OVERVIEW

The Specific Pavement Study SPS-2 is a strategic study of the structural factors for rigid pavements. The LTPP Program has SPS-2 projects in the 14 States (as shown in Table 1). The differing levels of structural factors studied include drainage, concrete thickness (8 and 11 inches), base type (dense grade aggregate, lean concrete, asphalt treated), concrete flexural strength (550 and 900 psi) and lane width (12 and 14 feet). Each project consists of 12 core test sections, which is a half factorial of the 24 possible combinations of structural factors. Additionally, supplemental test sections were constructed and monitored using design factors established by the State Highway Agency (SHA). In total, there are 205 rigid pavement SPS-2 test sections. Two SPS-2 test sections with flexible pavement surfaces have been excluded from this comparison.

The proposed expansion of this experiment was to apply the predicted performance curves produced from AASHTOWARE PavementME as the "control" sections. However, most test sections did not exhibit enough distress within the analysis period to provide a tenable comparison to predicted distress. Additionally, test sections with enough distress typically did not match PavementME predictions. The SPS-2 test sections were modeled in PavementME with inputs extracted from Standard Data Release (SDR) 31 of the LTPP database. The test sections were modeled using Design Build 2.3 of PavementME with default calibration parameters and, when available, the respective agency's version of PavementME with agency calibration parameters. Not all agencies had complete and available calibration coefficients for PavementMe analysis. Table 1 shows agencies for which calibration coefficients were available at the time of this analysis. Agency calibration coefficients were acquired for half of the SPS-2 states, which equates to 110 test sections.

Table 1. SPS-2 States

Code	State	Agency Calibration Coefficients
4	Arizona	✓
5	Arkansas	—
6	California	—
8	Colorado	✓
10	Delaware	—
19	Iowa	✓
20	Kansas	—
26	Michigan	✓
32	Nevada	—
37	North Carolina	—
38	North Dakota	—
39	Ohio	✓
53	Washington	✓
55	Wisconsin	✓

✓ indicates that agency calibration coefficients were available
— indicates that no agency calibration coefficients were available

COMPARISON RESULTS

This report expands on the "Comparison of PavementME and Actual Performance" analysis report released in December 2017 (which is presented in Appendix A), in that it provides additional analysis and supplementary information to data presented in the original report. The analysis described also provided support for the nine SPS Tech Days hosted by various SHAs from 2018 to 2019.

PERFORMANCE CURVES USING AGENCY CALIBRATOIN

Performance curves for SPS-2 test sections were generated using agency calibration coefficients. The original intent was to provide content for the four States that were participating in the SPS-2 Tech Days. However, considering that the process of generating performance curves was largely automated and that additional States may also participate in Tech Days (which did occur), performance curves were generated for all agencies that had calibration coefficients available.

These performance curves considered the agency calibration coefficients and the version of AASHTOWare PavementME (MEPDG) utilized by the respective State Highway Agency (SHA). Tables B-17 and B-18 in Appendix B shows the agency calibration coefficients used in this analysis.

CHANGES IN MONITORING EQUIPMENT

Years when changes in longitudinal profile and FWD equipment used in the LTPP Program and applicable changes in the LTPP distress definitions were identified. Table 2 identifies the years when changes in longitudinal profile equipment occurred. There have been no LTPP Directives that specify a model of FWD equipment. There were procedural changes on the configuration of sensors, such as a change from 7 sensors to 9 sensors in 2000. In addition to regular maintenance, FWD equipment has been overhauled by the regional service contract (RSC) roughly every five years. Table 3 shows the changes in distress definitions since the implementation of the 1993 Distress Identification Manual for the Long-Term Pavement Performance Project.

Table 2. Change in Longitudinal Profiler Equipment

Profiler Model	Years in Operation	Implementation
K.J. Law DNC690	1989 to 1996	N/A
K.J. Law T-6600	1996 to 2002	October 14, 1996
ICC inertial profilers	2002 to 2013	October 9, 2002
Ames inertial profilers	2013 to present	May 20, 2103

Table 3. Changes in Distress Definitions

Distress Definition	Date
JPCC Transverse Joint Seal Damage and CRCP Transverse Cracking	4/27/1995
JPCC Transverse Joint Seal Damage and CRCP Transverse Cracking	4/4/1996
Changes to "LTPP Distress Identification Manual for the Long-Term Pavement Performance Project, SHRP-P-338"	10/26/1998
Changes to "LTPP Distress Identification Manual for the Long-Term Pavement Performance Project, SHRP-P-338"	3/1/1999
Cessation of Night-time Manual Distress Surveys	5/10/2000
LTPP Manual Distress Data Collection Procedures on Portland Cement Concrete Pavements	3/29/2001
LTPP Manual Distress Data Collection Procedures on Asphalt Concrete Pavements	9/24/2001
LTPP Manual Distress Data Collection Procedures on Asphalt Concrete Pavements	2/11/2002
Distress Identification Manual for the Long-Term Pavement Performance Program	4/29/2002
Distress Measurements on LTPP Asphalt Concrete Test Sections - Surface Defects on Preventive Maintenance Treatments	11/14/2002
Distress Identification Manual for the Long-Term Pavement Performance Program	10/20/2003
LTPP Distress Data Collection for Surface Treatments such as Spray, Slurry Seal, Skin or Other Thin Patches on Cracks	2/5/2004
Differentiating Between Crack Sealant and Surface Patches	11/10/2004
Edge, Fatigue and Block Cracking	11/2/2005
Patching and Lateral Extent of Test Sections for Survey Purposes	2/25/2009
Potholes	8/19/2010
Distress Identification Manual for the Long-Term Pavement Performance Program	3/9/2015
AC Pavements Edge Cracking, CRCP Transverse Cracks and Punchouts	11/9/2015
Joint Spalling on Rigid Pavements and Sealant on Transverse Cracks for Rigid and Flexible Pavements	7/17/2019

SUMMARY OF MEPDG INPUTS

MEPGD inputs used to generate performance curves are summarized in Appendix B. Tables B-1 through B-34 detail all inputs that were generated from LTPP data and assumed defaults from the PavementME software.

STRUCTURAL SECTION OF TEST SECTIONS

The structural section of each SPS-2 test section was added to the plots previously generated to compare the actual performance recorded by LTPP to the performance predicted by MEPDG. The comparison plots can be found in Appendix D and includes the performance predicted by MEPDG using agency calibrations as well as a figure illustrating the pavement structure.

BEST FIT REGRESSIONS OF PERFORMANCE

Best fit regression curves were developed to compare the deterioration rates of actual performance curves to the predicted performance curves. Figures 1 and 2 show histograms of the R-squared values (coefficients of determination) from the linear regressions of the performance curves. High R-squared values indicate performance curves had a good fit to the linear regression and low values indicate a poor fit (high variance from the fitted model). However, a low R-squared value does not necessarily indicate there is no trend and high R-squared value does not necessarily mean that a linear model is the best model to represent the performance curve. The primary purpose of performing linear regression in this analysis was to develop and compare deterioration rates.

R-squared values from the regression of predicted performance curves are typically high. Test sections with agency calibrations show slightly better R-square values in the regression of

cracked slabs (percent of slabs with transverse cracking). In the case of IRI and faulting, there was a slight, negligible, improvement in R-squared.

Figure 1 shows that the linear regression of measured IRI resulted in R-squared that varying across all bins in the histogram. This was likely due to slight visit-to-visit variations in profile measurements and in some cases a lack of a clear linear trend, especially when IRI does not significantly increase over time. When the change in IRI was greater than 1 inch/mile/year, the average R-squared was 0.69, but when it was less than 1 inch/mile/year, the average R-squared was 0.32.

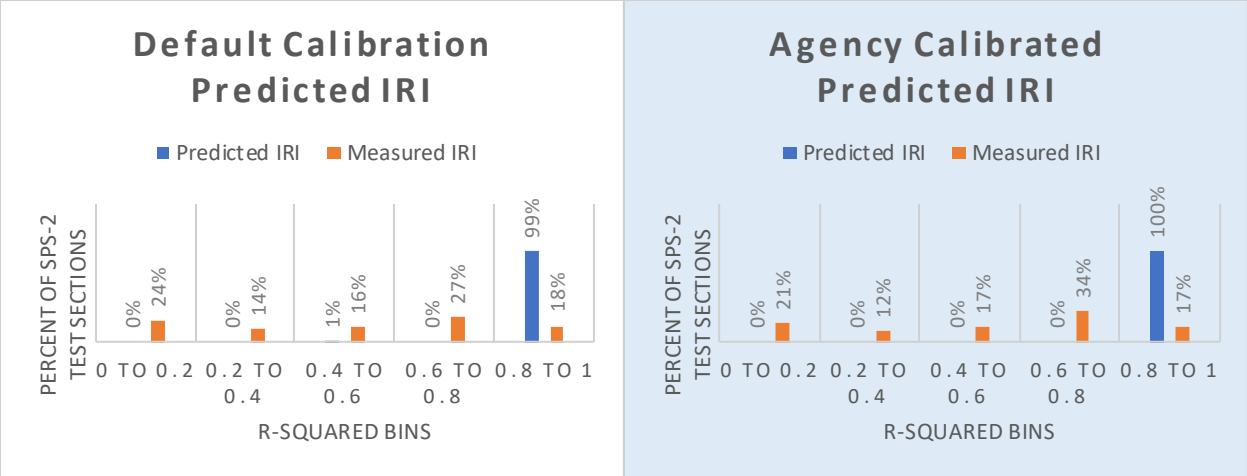


Figure 1. Histogram of R-Squared Values from Linear Regression of Predicted and Measured IRI.

Figure 2 shows that more than 60% of linear regressions of measured faulting data resulted in R-squared values less than 0.2. The R-squared values were typically high with higher rates of faulting and low with lower faulting rates. Like IRI, this is likely due to slight visit-to-visit variations in measurements as many SPS-2 sections did not have faulting that significantly or steadily increased over time. When the change in faulting was greater than 0.002 inch/year, the average R-squared was 0.69, but when it was less than 0.002 inch/year, the average R-squared was 0.19.

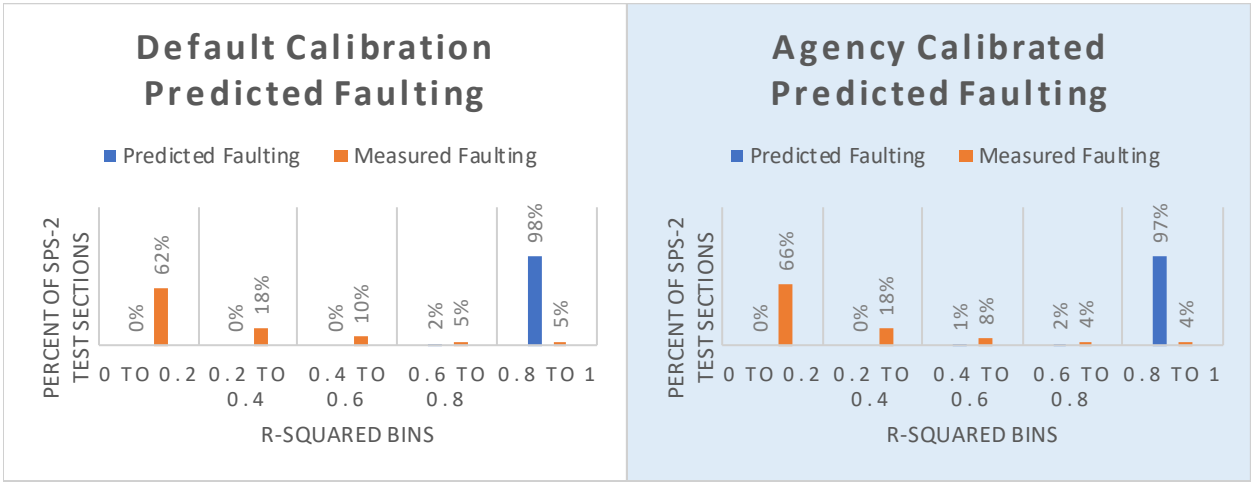


Figure 2. Histogram of R-Squared Values from Linear Regression of Predicted and Measured Faulting.

Figure 3 excludes test sections that had no cracked slabs over the monitoring period, as such sections cannot compute an R-squared value. For sections with cracked slabs, 60% of the test sections had R-squared values higher 0.6. When the change in the percent of cracked slabs was greater than 0.15%/year, the average R-squared was 0.70, but when it was less than 0.15%/year, the average R-squared was 0.27. This suggests that sections with a low deterioration rates tend to poorly fit a linear model due to the visit-to-visit variations in measurements without significant or steadily increase over time.

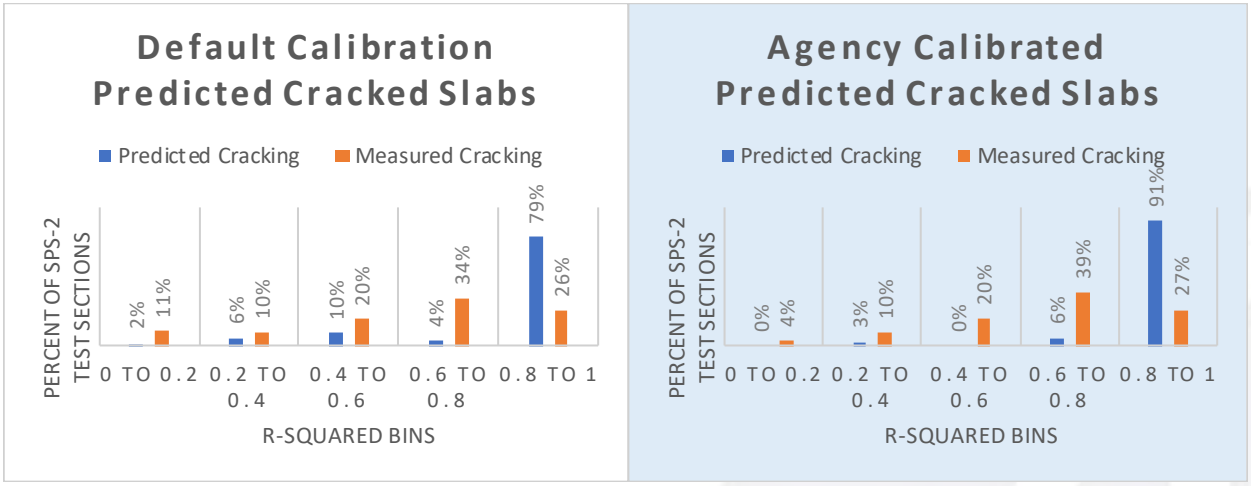


Figure 3. Histogram of R-Squared Values from Linear Regression of Predicted and Measured Cracked Slabs.

Figures 4 and 5 show plots of the deterioration rates from the linear regression of percent cracked slabs per year. Excluding test sections with deterioration rates near zero, sections 060201 and 390259 were the only sections with similar deterioration rates between predicted and measured. The figures also show that treated based sections (i.e., PATB and LCB) were more frequently underpredicted or overpredicted than DGAB test sections. Total number of

sections is reduced in Figure 5 because local calibration factors were available for fewer agencies. Nevertheless, the deterioration rates of performance predicted using agency calibrations were very similar to those using default calibrations. Appendix C shows the linear regression results (i.e., R-Squared, Slope, and Intercept) for IRI, faulting, and cracked slabs.

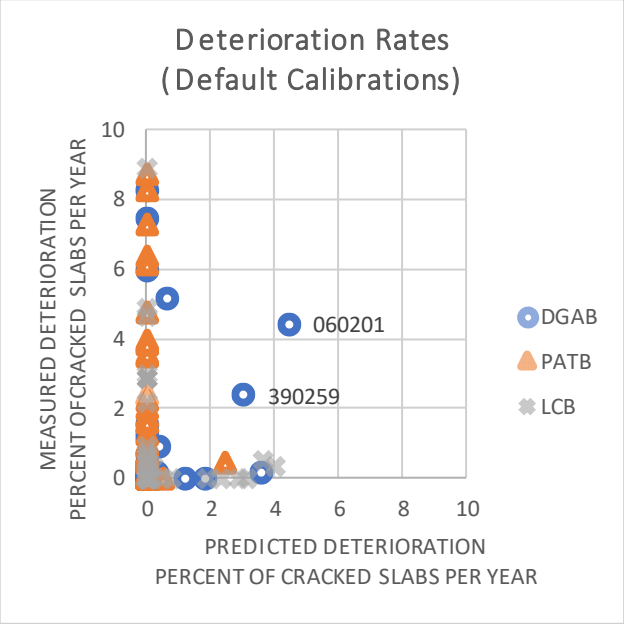


Figure 4. Measured vs. Predicted Deterioration Rates using Default Calibrations

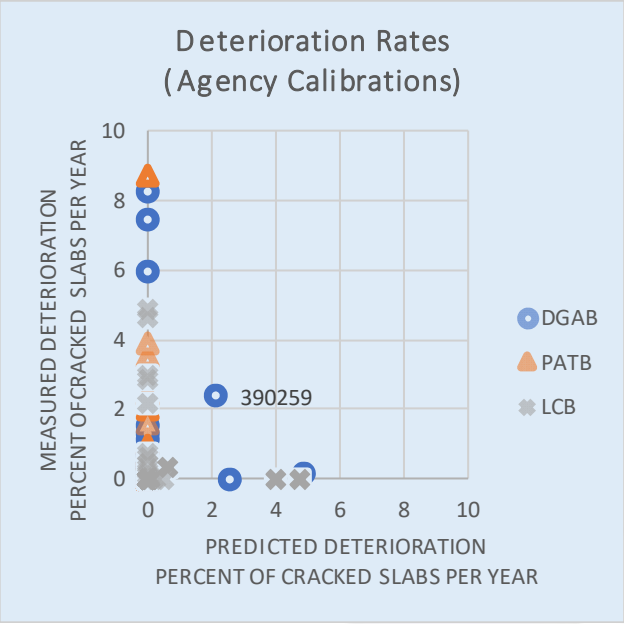


Figure 5. Measured vs. Predicted Deterioration Rates using Agency Calibrations

Tables 4 through 7 categorize the average deterioration rates of IRI by PCC type (strength and thickness) and base type. Tables 4 and 5 show deterioration rates for all SPS-2 test sections using default PavementME calibrations. Tables 6 and 7 show deterioration rates only for SPS-2 test sections where agency calibrations were available.

In most categories, PavementME deterioration rates for IRI were slightly higher for sections when using default calibrations. For sections with DGAB base, the change in IRI was underpredicted, except when high strength, 11-inch thick PCC was used. For PATB base sections, the change in IRI was slightly underpredicted when the PCC was 11 inches thick and severely underpredicted when the PCC was 8 inches thick. For LCB base sections, the change in IRI is typically overpredicted, except when PCC was high strength and agency calibration was used.

Table 4. Average change in predicted IRI (inch/mile/year) on all SPS-2 sites with default calibrations.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	2.27	1.53	2.26	2.29
PATB	1.32	1.05	1.23	0.97
LCB	1.96	1.18	1.75	1.27

Table 5. Average change in measured IRI (inch/mile/year) on all SPS-2 sites.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	3.69	2.21	3.23	1.92
PATB	5.15	1.55	7.64	1.57
LCB	0.87	0.70	1.09	0.80

Table 6. Average change in predicted IRI (inch/mile/year) on SPS-2 sites with agency calibration.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	2.06	1.94	1.75	1.84
PATB	1.48	0.95	1.00	0.81
LCB	2.02	0.94	1.18	0.96

Table 7. Average change in measured IRI (inch/mile/year) on SPS-2 sites with agency calibration available.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	3.20	2.38	3.65	1.99
PATB	5.85	1.63	8.88	2.45
LCB	0.99	0.62	1.21	1.07

Tables 8 through 11 categorize the average deterioration rates of faulting by PCC type (strength and thickness) and base type. Tables 8 and 9 show deterioration rates only for all SPS-2 test sections with default PavementME calibrations. Tables 10 and 11 show deterioration rates only for SPS-2 test sections where agency calibrations were available.

In most cases, the rate of change in faulting was higher when using agency calibrations. The rate of change in predicted faulting is slightly higher than measured faulting in most categories. High strength PCC typically had a higher rate of predicted faulting than low strength PCC. However, the rate of measured faulting was higher in the case of low strength PCC.

By base type, the rate of predicted faulting was higher in DGAB test sections, followed by LCB sections. PATB sections had lower rates of predicted faulting than LCB sections in comparison. The rate of measured faulting was also higher in DGAB test sections and in other base types. However, measured faulting showed a higher rate of change for PATB sections rather than LCB test sections.

Table 8. Average change in predicted faulting (inch/year) on all SPS-2 sites using default calibrations.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	2.03E-03	1.23E-03	3.04E-03	2.86E-03
PATB	8.72E-04	6.71E-04	1.34E-03	9.27E-04
LCB	1.25E-03	9.58E-04	1.99E-03	1.45E-03

Table 9. Average change in measured faulting (inch/year) on all SPS-2 sites.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	1.91E-03	1.93E-03	1.02E-03	8.22E-05
PATB	1.97E-04	5.95E-04	-4.98E-04	-2.81E-05
LCB	3.49E-04	1.75E-04	7.14E-04	-1.20E-04

Table 10. Average change in predicted faulting (inch/year) on SPS-2 sites using agency calibration.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	3.28E-03	1.62E-03	2.94E-03	2.74E-03
PATB	1.10E-03	9.49E-04	1.68E-03	1.22E-03
LCB	1.86E-03	1.22E-03	2.27E-03	1.63E-03

Table 11. Average change in measured faulting (inch/year) on SPS-2 sites with agency calibration available.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	2.24E-03	1.66E-03	5.43E-04	-2.67E-04
PATB	6.36E-04	4.18E-04	4.04E-03	-1.40E-04
LCB	2.40E-04	1.18E-04	2.59E-04	-3.93E-05

Tables 12 through 15 categorize the average deterioration rates of slabs with transverse cracking by PCC type (strength and thickness) and base type. Tables 12 and 13 show deterioration rates only for all SPS-2 test sections with default PavementME calibrations. Tables 14 and 15 show deterioration rates only for SPS-2 test sections with agency calibrations.

The deterioration rates from predicted cracked slabs using default calibrations was similar to rates using agency calibrations, except in the category of LCB sections with high strength 8-inch PCC. In most cases, higher deterioration rates were calculated from measured performance than predicted performance. Some of the largest difference between predicted and measured deterioration rates occur in PATB and LCB test sections.

For sections with DGAB base types, deterioration rates were close in low strength PCC, but high strength PCC tended to show high rates of measured deterioration, which was not evident in the predicted deterioration rates. PATB sections showed low predicted deterioration rates across all PCC types, while measured deterioration rates showed some of the highest rates across all categories. Specifically, PATB sections with 8-inch PCC showed measured rates between 2.21% and 5.26% of cracked slabs per year. LCB sections had low predicted deterioration rates, with the exception low strength 8-inch PCC. Therefore, in most categories the measured deterioration rate of LCB sections where higher the predicted deterioration rate.

Table 12. Average change in predicted cracked slabs (percent slabs/year) on all SPS-2 sites using default calibrations.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	0.66	0.13	0.08	0.28
PATB	0.13	0.00	0.03	0.00
LCB	0.81	0.12	0.22	0.00

Table 13. Average change in measured cracked slabs (percent slabs/year) on all SPS-2 sites.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	1.02	0.03	1.34	0.93
PATB	2.38	0.76	2.71	1.27
LCB	0.28	0.19	0.62	0.98

Table 14. Average change in predicted cracked slabs (percent slabs/year) on SPS-2 sites using agency calibration.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	0.61	0.17	0.00	0.27
PATB	0.00	0.00	0.00	0.00
LCB	1.04	0.06	0.00	0.00

Table 15. Average change in measured cracked slabs (percent slabs/year) on SPS-2 sites with agency calibration available.

Base Type	PCC Type			
	Low Strength		High Strength	
	8 in	11 in	8 in	11 in
DGAB	0.88	0.06	1.35	1.39
PATB	2.21	0.57	5.26	0.36
LCB	0.38	0.31	1.06	0.69

The comparison of deterioration rate concluded that the average deterioration rates by categories of base and PCC type tend to be higher in measured performance curves than predicted performance curves. However, it is important to understand this was not a site-to-site comparison, but a comparison of averages from test sections with varying deterioration rates. Figure 6 shows the difference between measured and predicted deterioration rates. Most

of the test sections were found in the bin from -0.1 to 0.1, but this is because 44% of test sections had deterioration rates of zero.

While some percent of test sections of each base type fall into the bins shown in Figure 6, PATB test sections were found to more frequently have predicted deterioration rates greater than the measured deterioration rates. DGAB and LCB sections more frequently appeared when predicted deterioration rates were less than the measured deterioration rates.

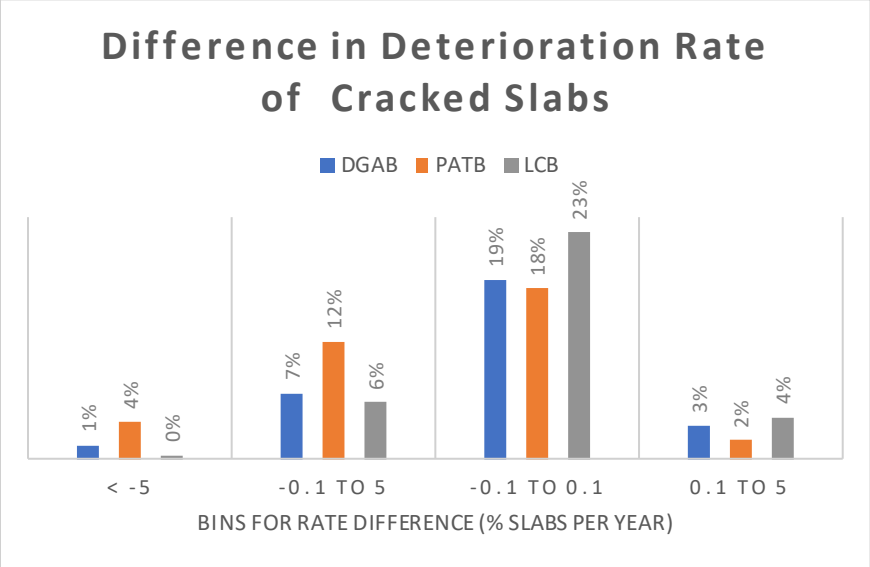


Figure 6. Histogram of the Difference Between Measured Deterioration Rate and Predicted Deterioration Rate.

SPS-2 TECH DAYS

An extremely successful activity undertaken as part of the Pooled Fund was the conduct of SPS-2 Tech Days. The intent of the Tech Days was to inform a broader audience regarding the presence of the SPS-2 projects and of the Pooled Fund itself, and to solicit input regarding potential future activities. Conducting the Tech Days involved support from not just the Pooled Fund, but from the SHAs, industry, and the FHWA/LTPP Program. The original budget was to support four Tech Days, and to date—thanks in large part to the support mentioned previously—nine Tech Days have been successfully completed (Table 16).

While no two Tech Days have been identical, the basic approach was to marry a classroom discussion with a field review of the SPS-2 project located in each State. The classroom presentations typically included a review of the LTPP Program, the SPS-2 experiment, and details on the construction of the SPS-2 project in that State. Other presentations included topics such as local approaches to pavement preservation, complimentary research at the local and national levels, and details specific to TPF-5(291).

A typical Tech Day included approximately 40 attendees, which were a mix of Agency, industry, academia, and contractor personnel. The field walks were particularly enlightening, where participants were struck by differences in performance between design features that were revealed over the 20+ years. Frequent observations included how well so many test sections were still performing, why some were performing better or worse than others, and how beneficial the experience was. Attendees were given layouts of the test sections and provided feedback regarding potential preservation activities. Several worthwhile investigations were also identified associated with the Tech Days based on field observations and participant recommendations.

Table 16. Completed SPS-2 Tech Days

TPF-5(291), SPS-2 TECH DAYS		
State	Date	Location
Arizona	2/21/2018	Phoenix
Colorado	3/23/2018	Denver
Washington	5/2/2018	Ritzville
Iowa	5/30/2018	Pleasant Hill
Kansas	10/2/2018	Abilene
North Dakota	10/16/2018	Bismarck/Fargo
California	3/12/19	Stockton/Delhi
Arkansas	3/19/19	Little Rock
Ohio	5/22/19	Delaware (OH)

APPENDIX A

COMPARISON RESULTS

COMPARISON RESULTS

The root mean squared error (RMSE) between the PavementME predictions and measured performance was calculated to express the goodness-of-fit. Figures A-1 to A-3 show the distribution of RMSE for each of the performance measures. RMSE is calculated using the following formula.

$$RMSE = \left[\sum_{i=1}^{N}(x_m - x_p)^2 \Big/ N\right]^{\frac{1}{2}}$$

Where:
$x_m = measured\ performance$
$x_p = predicted\ performance$
$N = sample\ size$

Table A-1 describes the different RMSE bins for each performance measure.

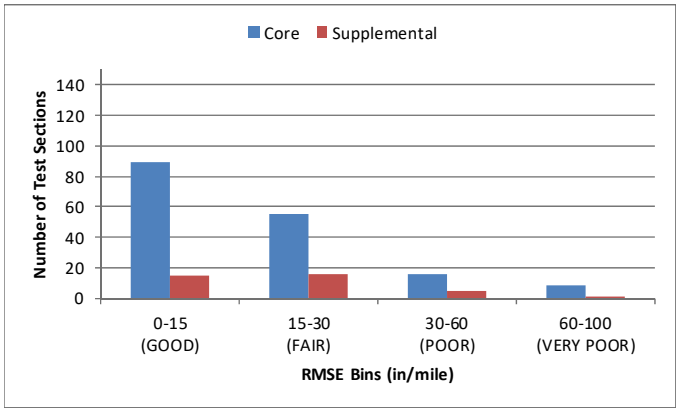


Figure A-1. RMSE Distribution for Predicted IRI

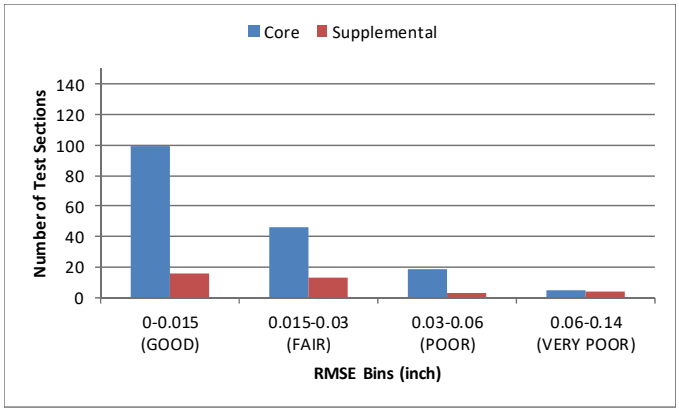


Figure A-2. RMSE Distribution for Predicted Faulting

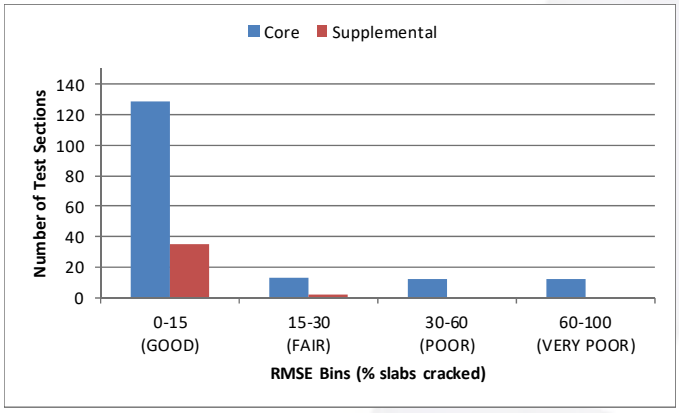


Figure A-3. RMSE Distribution for Predicted Cracked Slabs

Table A-1. RMSE Bin Categorization

RMSE Bin	Average IRI	Average Faulting	Percent Cracked Slabs
GOOD **- Most of predicted values line up with measured values.**	The final IRI may be off by 20 in/mile when RMSE value is near 15.	The average faulting may be off by 0.04 inches when RMSE value is near 0.015.	The percent difference between maximum predicted and measured values is on average 7% (when RMSE is not 0).
FAIR **- The predicted values have a similar trend to measured values, but they deviate from the measured.**	The final IRI may be off by 40 in/mile when RMSE value is near 30.	The average faulting may be off by 0.06 inches when RMSE value is near 0.03.	The percent difference between maximum predicted and measured values is on average 45%.
POOR **- The predicted values show a significantly different rate of increase than the measured values.**	The IRI may be off by 40 in/mile as soon as 4 to years after construction. The final IRI varies as the trends do not match.	The average faulting may be off by 0.14 inches when RMSE value is near 0.06. These sections typically have too high a prediction of faulting.	The percent difference between maximum predicted and measured values is on average 66%.
VERY POOR **- There a significant deviation between predicted and measured values immediately after construction.**	Most of these sections show large increases in either the predicted or measure IRI soon after construction.	The average faulting may be off by 0.2 inches when RMSE value is near 0.14. These sections typically have high measured faulting.	The percent difference between maximum predicted and measured values is on average 93%.
Additional Notes	Sections with RMSE values of poor to very poor show several maintenance activities that could have improved the measured IRI.	Most sections in the good and fair category and have predicted or measured faulting within ±0.03 inches.	104 test sections experienced no measured or predicted cracking resulting in RMSE values of 0. In most case either the maximum predicted or measured values are near zero.

The sections in Figure A-4 are in order of smallest to largest by the sum of normalized RMSE values of each performance measure. Normalizing the RMSE values in this figure gives equal weight to these performance measures that have dissimilar units of measurement. Figure A-4 shows that there is a relationship between the RMSE of IRI and Faulting. The relationship seems to be partly proportional and partly inverted. This suggests there is both a base error in the prediction and a compensating error between IRI and Faulting. However, this relationship between the RMSE of IRI and Faulting is only evident when the RMSE of Cracked Slabs is low. In most cases, the RMSE of Cracked Slabs is only low in test sections that have performed well. This reinforces the notion that IRI is a function of faulting and cracking in slabs. Slab cracking seems to be a more meaningful performance measure in assessing the accuracy of PavementME predictions.

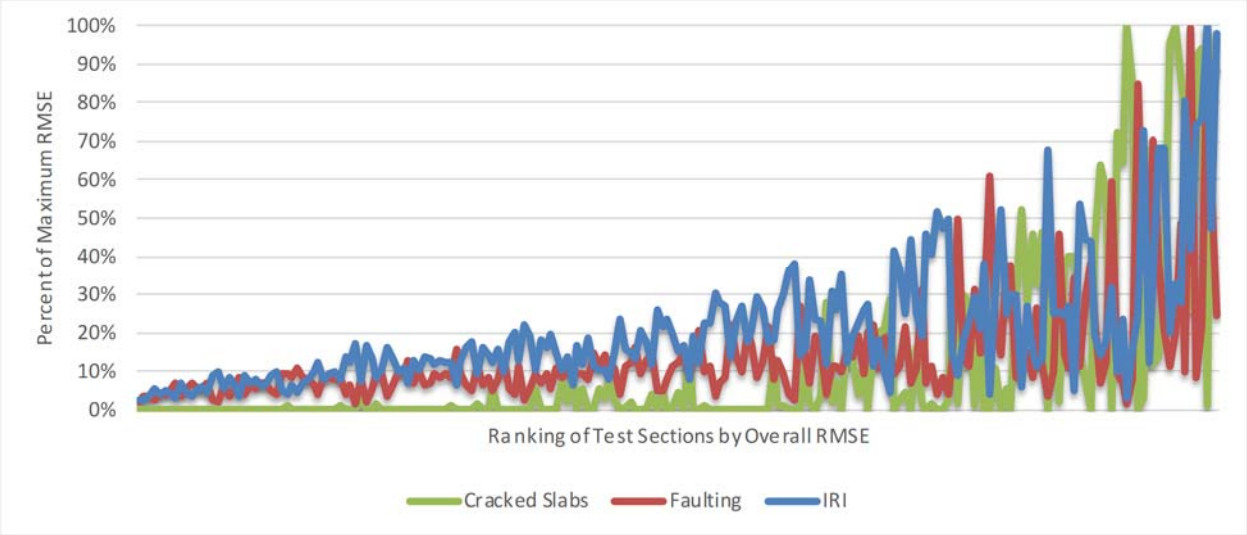


Figure A-4. Distribution of Normalized RMSE by Performance Measure

Table A-2 shows the number of sections that fit into each RMSE category by the performance measure. There appear to be few sections in RMSE categories that are simultaneously less than good in both Faulting and Cracked Slabs. Most sections have good to fair RMSE in IRI and good RMSE in Faulting and Cracked Slabs.

Table A-2. Number of Test Sections in RMSE Categories by Performance Measure

IRI	Faulting	PERCENT CRACKED SLABS			
		GOOD	FAIR	POOR	VERY POOR
GOOD	GOOD	63	2	1	4
	FAIR	20	3	3	-
	POOR	2	1	2	1
	VERY POOR	2	-	-	-
FAIR	GOOD	29	1	1	1
	FAIR	17	6	3	1
	POOR	7	-	1	-
	VERY POOR	3	-	-	1
POOR	GOOD	10	-	-	-
	FAIR	3	1	-	1
	POOR	3	-	-	-
	VERY POOR	1	1	-	1
VERY POOR	GOOD	1	-	-	2
	FAIR	-	-	1	-
	POOR	2	-	-	2
	VERY POOR	1	-	-	-

PREDICTION ANALYSIS FOR CRACKED SLABS

Reviewing the prediction vs. measured plots of cracked slabs show in most test sections have both predicted and measured cracking near zero. There are several cases where cracking was not predicted but was measured and very few cases where both measured and predicted showed significant cracking (more than 5%). Table A-3 shows a breakdown for the type of RMSE observed in predicting cracked slabs.

Table A-3. Type Categorization of RMSE of Cracked Slabs

Predicted	Measured	
	LOW	HIGH
LOW	**TYPE 1** Core: 103 Supplemental: 29 *Average RMSE: 0.2*	**TYPE 2** Core: 52 Supplemental: 5 *Average RMSE: 27.8*
HIGH	**TYPE 3** Core: 7 Supplemental: 2 *Average RMSE: 33.9*	**TYPE 4** Core: 6 Supplemental: 1 *Average RMSE: 48.2*

Most test sections fall into the Type 1 category where both the measured and predicted percent of cracked slabs are less than 5% and average RMSE is near zero. Unfortunately, when the predicted or measured distress is zero, it only indicates a section is performing well without any indication of how accurate the prediction might be in the long term. The fewest test sections are in category Type 4. The high average RMSE in this category shows that even when cracking is present the prediction does not fit the actual performance. 390259 is the only section in the Type 4 category that appears to have a good fit. Types 2 and 3 represent the more obvious errors in the prediction where the prediction either overestimates or underestimates the actual performance. Table A-4 characterizes the categories with averages from input values.

Table A-4. PavementME Input Statistics by RMSE type of Cracked Slabs

PavementME Input Statistics	Type 1	Type 2	Type 3	Type 4
20-year Traffic (millions of trucks)	14.3	19.6	39.1	35.2
Sections with PATB and Granular Layers Only	40	10	5	2
Sections with PATB and Cement Treated Layers	10	2	1	-
Sections with LCB and Granular Layers Only	36	36	-	1
Sections with Granular Base Layers	45	9	3	4
Sections with No Base Layers	1	-	-	-
Sections with Subgrade Layers	132	57	9	7
Sections with Bedrock Layers	10	6	-	2
Average PCC Thickness (inches)	10.3	9.5	9.2	8.4
Average PATB Thickness (inches)	3.9	4.0	3.6	3.5
Average LCB Thickness (inches)	7.2	8.8	6.0	6.0
Average GB Thickness (inches)	6.4	6.0	6.2	6.1
Average PCC Modulus of Rupture (psi)	752	767	598	595
Average PCC Compressive Strength (psi)	5,050	5,340	4,570	5,230
Average PCC Elastic Modulus (ksi)	4,200	3,850	4,420	4,150
Average GB Resilient Modulus (ksi)	37.0	27.0	44.8	59.9
Average Subgrade Resilient Modulus (ksi)	26.8	28.6	24.7	23.0
Average Water Cement Ratio	0.42	0.42	0.49	0.46
Average Cement Content (PCY)	631	646	530	585
Average Density (PCF)	141	138	144	142
Average Thermal Expansion Coefficient	4.7	4.6	4.8	5.0

Higher levels of traffic appear to have a significant influence on measured distress, but small influence on predicted distress. This was verified when the AADTTs of various Type 2 test sections were quadrupled and no increase in percent of cracked slabs was observed. Thickness of the PCC layer does seem to have significant influence on the percent of cracked slabs, but PCC thickness is not likely to be an erroneous input.

Almost all sections with lean concrete base (LCB) are predicted to have no slabs with cracking, but this does not reflect actual performance. Most Type 2 errors are sections with either LCB layers or PATB layers. On various sections with Type 2 errors, reducing the elastic modulus of LCB layers to that of granular base or reducing the time until full friction loss caused cracking to show in predictions, while modifying other properties have shown little to no effect.

On sections with only granular bases, it appears that PCC layer thickness, modulus of rupture, and elastic modulus have a strong influence in predicting the percent of slabs with transverse cracking. In comparison, other properties such as subgrade modulus, water cement ratio, cement content, density, and thermal expansion appear to very little influence. Resilient modulus of the base layer appears to have some impact on the predicted cracking but not as much as the PCC thickness and modulus. The average resilient moduli of granular bases appear to be higher when predictions show more distress, but this is because in those few sections, the PCC layer thickness and modulus have a stronger influence.

Table A-5 shows that error Type 2 is not exclusive to any particular project location or climatic conditions.

Table A-5. RMSE Type Category by State

Code	State	Number of Test Sections			
		Type 1	Type 2	Type 3	Type 4
4	Arizona	10	5	4	-
5	Arkansas	5	2	3	2
6	California	3	5	1	3
8	Colorado	9	4	-	-
10	Delaware	13	1	-	-
19	Iowa	12	1	-	-
20	Kansas	9	2	1	1
26	Michigan	7	6	-	-
32	Nevada	2	10	-	-
37	North Carolina	12	2	-	-
38	North Dakota	16	2	-	-
39	Ohio	5	13	-	1
53	Washington	9	4	-	-
55	Wisconsin	20	-	-	-

OBSERVATIONS

RMSE is a good indicator of the accuracy of the prediction. However, RMSE is typically near zero when both the predicted and measured performance is also near zero. This makes it difficult to assess how accurate the predictions will be beyond the 20-year span of the analysis period. This makes a large majority of test sections difficult to analyze as most have not yet exhibited significant cracking.

With one or two exceptions, most test sections that do exhibit transverse cracking are not predicted accurately. The majority of such test sections have treated bases. Sections that do not have treated bases are strongly influenced by the stiffness of the PCC layer. It is reasonable to assume that PavementME strongly factors in the thickness and stiffness of bound layers in predicting transverse cracking and the time until full friction loss. However, this would contradict the fact that most test sections that were predicted to perform well but showed transverse cracking in the SPS-2 experiment were ones with treated bases.

APPENDIX B

MEPDG INPUTS

Table B-1. Site Location

State Code	SHRP ID	Direction of Travel	Route	Lane Width	Number of Lanes
4	0213	East Bound	Interstate 10	14	2
4	0214	East Bound	Interstate 10	12	2
4	0215	East Bound	Interstate 10	12	2
4	0216	East Bound	Interstate 10	14	2
4	0217	East Bound	Interstate 10	14	2
4	0218	East Bound	Interstate 10	12	2
4	0219	East Bound	Interstate 10	12	2
4	0220	East Bound	Interstate 10	14	2
4	0221	East Bound	Interstate 10	14	2
4	0222	East Bound	Interstate 10	12	2
4	0223	East Bound	Interstate 10	12	2
4	0224	East Bound	Interstate 10	14	2
4	0260	East Bound	Interstate 10	12	2
4	0261	East Bound	Interstate 10	12	2
4	0262	East Bound	Interstate 10	14	2
4	0263	East Bound	Interstate 10	14	2
4	0264	East Bound	Interstate 10	12	2
4	0265	East Bound	Interstate 10	12	2
4	0266	East Bound	Interstate 10	14	2
4	0267	East Bound	Interstate 10	14	2
4	0268	East Bound	Interstate 10	14	2
5	0213	West Bound	Interstate 30	14	2
5	0214	West Bound	Interstate 30	12	2
5	0215	West Bound	Interstate 30	12	2
5	0216	West Bound	Interstate 30	14	2
5	0217	West Bound	Interstate 30	14	2
5	0218	West Bound	Interstate 30	12	2
5	0219	West Bound	Interstate 30	12	2
5	0220	West Bound	Interstate 30	14	2
5	0221	West Bound	Interstate 30	14	2
5	0222	West Bound	Interstate 30	12	2
5	0223	West Bound	Interstate 30	12	2
5	0224	West Bound	Interstate 30	14	2
6	0201	North Bound	State Route 99	12	2
6	0202	North Bound	State Route 99	13	2
6	0203	North Bound	State Route 99	13	2
6	0204	North Bound	State Route 99	12	2
6	0205	North Bound	State Route 99	12	2
6	0206	North Bound	State Route 99	13	2
6	0207	North Bound	State Route 99	13	2
6	0208	North Bound	State Route 99	12	2
6	0209	North Bound	State Route 99	12	2
6	0210	North Bound	State Route 99	13	2
6	0211	North Bound	State Route 99	13	2
6	0212	North Bound	State Route 99	12	2
8	0213	East Bound	Interstate 76	14	2

State Code	SHRP ID	Direction of Travel	Route	Lane Width	Number of Lanes
8	0214	East Bound	Interstate 76	12	2
8	0215	East Bound	Interstate 76	12	2
8	0216	East Bound	Interstate 76	14	2
8	0217	East Bound	Interstate 76	14	2
8	0218	East Bound	Interstate 76	12	2
8	0219	East Bound	Interstate 76	12	2
8	0220	East Bound	Interstate 76	14	2
8	0221	East Bound	Interstate 76	14	2
8	0222	East Bound	Interstate 76	12	2
8	0223	East Bound	Interstate 76	12	2
8	0224	East Bound	Interstate 76	14	2
8	0259	East Bound	Interstate 76	12	2
10	0201	South Bound	U.S. Route 113	12	2
10	0202	South Bound	U.S. Route 113	14	2
10	0203	South Bound	U.S. Route 113	14	2
10	0204	South Bound	U.S. Route 113	12	2
10	0205	South Bound	U.S. Route 113	12	2
10	0206	South Bound	U.S. Route 113	14	2
10	0207	South Bound	U.S. Route 113	14	2
10	0208	South Bound	U.S. Route 113	12	2
10	0209	South Bound	U.S. Route 113	12	2
10	0210	South Bound	U.S. Route 113	14	2
10	0211	South Bound	U.S. Route 113	14	2
10	0212	South Bound	U.S. Route 113	12	2
10	0259	South Bound	U.S. Route 113	12	2
10	0260	South Bound	U.S. Route 113	12	2
19	0213	North Bound	U.S. Route 65	14	2
19	0214	North Bound	U.S. Route 65	12	2
19	0215	North Bound	U.S. Route 65	12	2
19	0216	North Bound	U.S. Route 65	12	2
19	0217	North Bound	U.S. Route 65	14	2
19	0218	North Bound	U.S. Route 65	12	2
19	0219	North Bound	U.S. Route 65	14	2
19	0220	North Bound	U.S. Route 65	14	2
19	0221	North Bound	U.S. Route 65	14	2
19	0222	North Bound	U.S. Route 65	12	2
19	0223	North Bound	U.S. Route 65	12	2
19	0224	North Bound	U.S. Route 65	14	2
19	0259	North Bound	U.S. Route 65	14	2
20	0201	West Bound	Interstate 70	12	2
20	0202	West Bound	Interstate 70	14	2
20	0203	West Bound	Interstate 70	14	2
20	0204	West Bound	Interstate 70	12	2
20	0205	West Bound	Interstate 70	12	2
20	0206	West Bound	Interstate 70	14	2
20	0207	West Bound	Interstate 70	14	2
20	0208	West Bound	Interstate 70	12	2

State Code	SHRP ID	Direction of Travel	Route	Lane Width	Number of Lanes
20	0209	West Bound	Interstate 70	12	2
20	0210	West Bound	Interstate 70	14	2
20	0211	West Bound	Interstate 70	14	2
20	0212	West Bound	Interstate 70	12	2
20	0259	West Bound	Interstate 70	12	2
26	0213	North Bound	U.S. Route 23	14	2
26	0214	North Bound	U.S. Route 23	12	2
26	0215	North Bound	U.S. Route 23	12	2
26	0216	North Bound	U.S. Route 23	14	2
26	0217	North Bound	U.S. Route 23	14	2
26	0218	North Bound	U.S. Route 23	12	2
26	0219	North Bound	U.S. Route 23	12	2
26	0220	North Bound	U.S. Route 23	14	2
26	0221	North Bound	U.S. Route 23	14	2
26	0222	North Bound	U.S. Route 23	12	2
26	0223	North Bound	U.S. Route 23	12	2
26	0224	North Bound	U.S. Route 23	14	2
26	0259	North Bound	U.S. Route 23	12	2
32	0201	East Bound	Interstate 80	12	2
32	0202	East Bound	Interstate 80	14	2
32	0203	East Bound	Interstate 80	14	2
32	0204	East Bound	Interstate 80	12	2
32	0205	East Bound	Interstate 80	12	2
32	0206	East Bound	Interstate 80	14	2
32	0207	East Bound	Interstate 80	14	2
32	0208	East Bound	Interstate 80	12	2
32	0209	East Bound	Interstate 80	12	2
32	0210	East Bound	Interstate 80	14	2
32	0211	East Bound	Interstate 80	14	2
32	0259	East Bound	Interstate 80	12	2
37	0201	South Bound	U.S. Route 52	12	2
37	0202	South Bound	U.S. Route 52	14	2
37	0203	South Bound	U.S. Route 52	14	2
37	0204	South Bound	U.S. Route 52	12	2
37	0205	South Bound	U.S. Route 52	12	2
37	0206	South Bound	U.S. Route 52	14	2
37	0207	South Bound	U.S. Route 52	14	2
37	0208	South Bound	U.S. Route 52	12	2
37	0209	South Bound	U.S. Route 52	12	2
37	0210	South Bound	U.S. Route 52	14	2
37	0211	South Bound	U.S. Route 52	14	2
37	0212	South Bound	U.S. Route 52	12	2
37	0259	South Bound	U.S. Route 52	12	2
37	0260	South Bound	U.S. Route 52	14	2
38	0213	East Bound	Interstate 94	14	2
38	0214	East Bound	Interstate 94	12	2
38	0215	East Bound	Interstate 94	12	2

State Code	SHRP ID	Direction of Travel	Route	Lane Width	Number of Lanes
38	0216	East Bound	Interstate 94	14	2
38	0217	East Bound	Interstate 94	14	2
38	0218	East Bound	Interstate 94	12	2
38	0219	East Bound	Interstate 94	12	2
38	0220	East Bound	Interstate 94	14	2
38	0221	East Bound	Interstate 94	14	2
38	0222	East Bound	Interstate 94	12	2
38	0223	East Bound	Interstate 94	12	2
38	0224	East Bound	Interstate 94	14	2
38	0259	East Bound	Interstate 94	12	2
38	0260	East Bound	Interstate 94	12	2
38	0261	East Bound	Interstate 94	12	2
38	0262	East Bound	Interstate 94	14	2
38	0263	East Bound	Interstate 94	12	2
38	0264	East Bound	Interstate 94	12	2
39	0201	North Bound	U.S. Route 23	12	2
39	0202	North Bound	U.S. Route 23	14	2
39	0203	North Bound	U.S. Route 23	14	2
39	0204	North Bound	U.S. Route 23	12	2
39	0205	North Bound	U.S. Route 23	12	2
39	0206	North Bound	U.S. Route 23	14	2
39	0207	North Bound	U.S. Route 23	14	2
39	0208	North Bound	U.S. Route 23	12	2
39	0209	North Bound	U.S. Route 23	12	2
39	0210	North Bound	U.S. Route 23	14	2
39	0211	North Bound	U.S. Route 23	14	2
39	0212	North Bound	U.S. Route 23	12	2
39	0259	North Bound	U.S. Route 23	12	2
39	0260	North Bound	U.S. Route 23	12	2
39	0261	North Bound	U.S. Route 23	14	2
39	0262	North Bound	U.S. Route 23	12	2
39	0263	North Bound	U.S. Route 23	14	2
39	0264	North Bound	U.S. Route 23	12	2
39	0265	North Bound	U.S. Route 23	12	2
53	0201	North Bound	State Route 395	12	2
53	0202	North Bound	State Route 395	14	2
53	0203	North Bound	State Route 395	14	2
53	0204	North Bound	State Route 395	12	2
53	0205	North Bound	State Route 395	12	2
53	0206	North Bound	State Route 395	14	2
53	0207	North Bound	State Route 395	14	2
53	0208	North Bound	State Route 395	12	2
53	0209	North Bound	State Route 395	12	2
53	0210	North Bound	State Route 395	14	2
53	0211	North Bound	State Route 395	14	2
53	0212	North Bound	State Route 395	12	2
53	0259	North Bound	State Route 395	14	2

State Code	SHRP ID	Direction of Travel	Route	Lane Width	Number of Lanes
55	0213	West Bound	State Route 29	14	2
55	0214	West Bound	State Route 29	12	2
55	0215	West Bound	State Route 29	12	2
55	0216	West Bound	State Route 29	14	2
55	0217	West Bound	State Route 29	14	2
55	0218	West Bound	State Route 29	12	2
55	0219	West Bound	State Route 29	12	2
55	0220	West Bound	State Route 29	14	2
55	0221	West Bound	State Route 29	14	2
55	0222	West Bound	State Route 29	12	2
55	0223	West Bound	State Route 29	12	2
55	0224	West Bound	State Route 29	14	2
55	0259	West Bound	State Route 29	12	2
55	0260	West Bound	State Route 29	12	2
55	0261	West Bound	State Route 29	12	2
55	0262	West Bound	State Route 29	12	2
55	0263	West Bound	State Route 29	12	2
55	0264	East Bound	State Route 29	12	2
55	0265	East Bound	State Route 29	12	2
55	0266	East Bound	State Route 29	12	2

Table B-2. Single Axle Distribution, 3,000 lbs to 12,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		3000	4000	5000	6000	7000	8000	9000	10000	11000	12000
4	4	0.02	0.03	0.05	0.19	0.44	2.92	4.35	8.45	9.26	12.63
4	5	2.17	18.16	33.25	20.51	6.08	4.99	3.73	3.42	1.86	1.55
4	6	0	0.1	0.41	0.9	0.71	1.13	2.56	10.51	18.22	28.13
4	7	0.72	0.88	0.54	0.67	1.17	1.51	1.47	3.9	7.2	11.75
4	8	11.55	3.18	5.12	8.82	6.91	8.49	7	10.52	8.8	8.03
4	9	0.2	0.23	0.52	0.96	0.7	0.96	1.79	8.04	20.67	37.44
4	10	0.58	0.16	0.11	0.29	0.32	1.08	2.54	11.75	24.37	34.17
4	11	0.07	0.4	0.72	0.86	1.09	2.53	4.13	11.65	13.18	13.63
4	12	0.03	0.22	0.39	0.67	1.26	2.65	4.47	10.83	13.75	21.23
4	13	13.5	0.38	0.34	1.41	1.75	3.54	4.34	6.05	6.56	11.79
5	4	0.35	0.12	0.18	0.28	0.58	2.02	4	9.27	10.55	16.22
5	5	3.22	18.23	28.77	19.92	7.07	6.43	4.13	3.59	1.97	1.81
5	6	4.74	1.62	1.65	1.58	1.55	2.53	4.59	13.07	19.57	22.9
5	7	0.34	0.28	0.27	0.38	0.56	1.22	2.49	6.59	8.63	16.05
5	8	14.28	5.42	7.74	8.39	6.31	7.99	6.47	10.22	8.22	6.28
5	9	0.49	0.5	1.04	1.39	1.14	1.94	3.73	12.18	21.14	32.26
5	10	5.86	0.37	0.38	0.46	0.8	1.96	3.87	11.33	17.39	25.18
5	11	0.05	0.06	0.19	1.04	1.53	2.61	4.04	12.58	15.33	13.43
5	12	0.06	0.07	0.18	0.91	1.4	2.94	5.17	12.36	15.21	20.19
5	13	11.7	1.37	0.84	1.39	1.76	3.28	3.99	9.71	13.14	14.38
6	4	0.01	0.02	0.04	0.22	0.82	5.25	7.5	11.28	11.24	14.32
6	5	1.48	17.13	25.04	17.99	7.3	8.63	5.6	5.25	3.01	2.57
6	6	0	0.04	0.13	0.31	0.46	2.89	9.8	20.06	22.46	23.26
6	7	0.77	1.49	0.56	1.15	1.74	2.29	2.79	7.19	7.87	9.05
6	8	5.4	1.57	4.91	6.8	6.16	10.2	11.03	18.42	10.69	7.23
6	9	0.17	1.49	3.16	2.1	0.83	0.91	2.52	12.33	17.68	35.3
6	10	0.38	0.34	0.76	0.83	0.42	1.5	4.23	15.49	25.38	31.6
6	11	0.42	5.65	7.78	5.91	4.5	6.02	6.36	12.45	7.93	4.78
6	12	0.12	2.17	4.55	5.56	5.63	5.26	6.07	13.46	11.82	13.04
6	13	2.61	0.73	1.39	1.91	2.16	4.05	4.84	11	11.2	13.4
8	4	0.07	0.31	0.73	1.47	3.22	5.91	7.14	8.45	8.58	11.98
8	5	2.41	21.88	31.22	23.06	5.61	4.77	2.95	2.49	1.36	1.09
8	6	3.32	1.32	1.65	1.72	1.73	3.02	6.24	14.49	17.18	18.78
8	7	37.41	11.85	9.1	4.9	3.26	2.98	3.04	2.78	1.93	2.02
8	8	7.35	2.36	7.08	11.82	8.36	9.01	7.44	10.63	9.23	8.03
8	9	0.44	2	2.84	2.27	1.27	1.5	3.01	10.69	19.79	31.74
8	10	0.22	0.21	0.43	0.69	0.73	1.75	4.44	13.94	21.43	24.89

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		3000	4000	5000	6000	7000	8000	9000	10000	11000	12000
8	11	0.07	0.24	0.96	4.46	4.03	3.5	4.59	11.47	15.97	15.33
8	12	0.07	0.23	0.83	4.76	5.81	5.07	5.54	11.79	14.69	24.55
8	13	0.51	0.44	1.11	2.53	3.22	3.79	7.45	19.62	13.91	12.34
10	4	1.72	1.21	1.24	5.29	10.98	17.08	11.55	12.35	8.66	8.95
10	5	19.96	26.97	16.71	11.59	6.57	5.63	2.97	2.61	1.55	1.36
10	6	0.55	1.07	1.75	2.19	2	7.02	11.73	18.87	15.3	14.86
10	7	0.63	0.31	0.39	0.89	1.04	1.45	1.57	3.24	4.82	10.38
10	8	23.44	9.44	6.3	5.84	5.38	8.57	8.24	9.25	5.28	4.6
10	9	1.22	2.89	3.27	2.99	1.69	4.76	10.05	20.97	16.99	13.98
10	10	7.58	1.5	1.83	2.15	2.21	5.99	11.73	22.76	16.92	13.97
10	11	0.83	0.74	1.48	6.44	12.12	15.65	13.41	18.21	13.4	9.82
10	12	0.5	0.91	1.3	3.56	7.35	17.72	17.21	17.28	8.33	5.79
10	13	39.74	4.7	4.85	4.17	4.7	5.43	5.99	6.33	5.86	5.75
19	4	2.42	0.96	1.24	2.9	5.6	10.35	9.65	12.72	10.37	12.09
19	5	7.08	15.18	19.78	18.55	9.91	8.23	5.05	4.89	2.93	2.64
19	6	2.06	1.24	1.76	2.53	2.9	5.52	7.65	13.71	12.65	14.65
19	7	4.27	0.93	0.97	1.35	1.68	2.38	2.29	3.86	4.1	6.76
19	8	11.5	11.61	13.84	13.99	9.09	8.49	6.18	6.57	4.46	4.03
19	9	0.62	1.15	2.16	3.45	3.48	6.36	9.26	17.02	14.82	15.82
19	10	1.83	1.02	1.35	1.99	2.49	5.16	7.92	14.03	12.04	13.77
19	11	1.8	2.94	3.42	3.33	5.41	9.69	9.54	11.85	8.76	10.26
19	12	0.4	0.73	1.17	3.02	5.8	10.97	9.78	12.14	9.59	11.75
19	13	4.5	1.55	2.78	4.02	3.92	6.35	8.09	12.88	10.73	11.92
20	4	0.01	0.02	0.06	0.23	0.5	2.64	4.55	7.12	8.69	11.82
20	5	1.91	22.05	30.71	21.7	5.46	5.1	3.41	2.92	1.57	1.33
20	6	0	0.15	0.43	0.91	1.12	2.8	4.71	13.11	17.81	26.08
20	7	1	0.63	0.45	1.28	1.75	3.08	4.24	5.78	6.36	8.92
20	8	7.3	2.12	5.77	9.97	7.37	9.68	8.51	12.18	10.18	7.79
20	9	0.36	1.01	1.05	1.33	0.97	1.32	1.6	5.02	12.86	41.77
20	10	0.14	0.06	0.08	0.33	0.48	1.42	3.92	13.28	22.47	31.65
20	11	0.02	0.07	0.14	0.59	1.24	2.04	3.11	9.46	16.82	15.27
20	12	0.02	0.07	0.13	0.56	1.17	2.52	3.95	10.79	12.72	23.61
20	13	4.27	2.13	1.53	2.99	3.48	4.73	3.39	6.84	10.79	13.5
26	4	0.05	0.02	0.09	0.68	3.05	9.54	12.88	16.08	13.53	12.36
26	5	4.65	16.43	14.72	11.47	9.45	10.16	7.62	6.94	4.53	3.76
26	6	0.06	0.47	1.28	1.66	1.92	4.89	9.43	17.4	17.15	15.24
26	7	0.87	0.8	1.02	0.97	0.94	1.71	2.77	5.24	6.32	8.44
26	8	2.76	4.32	6.33	5.19	5.7	9.2	12.14	15.05	9.72	6.64

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		3000	4000	5000	6000	7000	8000	9000	10000	11000	12000
26	9	0.58	1.54	1.86	1.62	1.18	2.54	6.99	18.53	23	19.55
26	10	0.54	0.54	0.52	0.71	0.8	2.15	5.04	12.69	15.31	16.65
26	11	0.07	0.37	1.29	2.96	3.51	5.08	8.39	13.86	11.37	10.83
26	12	0.17	0.36	1.11	3.35	5.32	7.39	9.2	14.07	11.64	11.55
26	13	1.7	1.23	1.57	2.05	2.01	2.23	2.98	6.98	9.69	11.69
32	4	0	0.02	0.12	1.11	3.59	9.06	8.51	16.45	14.17	12.54
32	5	5.67	16.27	22.61	16.1	9.92	8.78	5.34	4.35	2.52	2.12
32	6	4.06	6.87	4.56	4.21	4.57	7.74	11.4	18.65	14.48	10.79
32	7	2.88	3.45	2.87	3	3.5	6.53	7.57	10.48	9.05	8.36
32	8	4.02	6.52	10.62	9.72	8.78	11.18	10.24	12.07	8.13	6.13
32	9	0.18	0.73	0.91	1.12	1.04	2.28	4.77	15.6	29.24	26.23
32	10	0.15	0.24	0.38	0.66	0.96	3.46	6.99	22.08	26.77	25.36
32	11	0.28	1.38	1.34	3.17	3.12	4.35	6.19	13.34	12.77	11.95
32	12	0.27	0.54	0.82	2.6	2.84	4.95	7.5	16.87	17.81	18.34
32	13	1.02	2.9	2.92	3.92	3.27	5.63	7.63	14.72	12	12.07
37	4	1.52	1.07	1.22	3.26	8.22	15.72	12.6	14.39	9.8	9.67
37	5	14.77	23.52	15.08	9.34	6.8	7.94	5.25	4.9	2.87	2.53
37	6	1.84	2.11	4.11	4.32	2.52	5.08	9.28	20.31	17.11	13.25
37	7	11.23	1.08	1.06	1.74	6.57	11.8	7.85	8.44	6.23	8.2
37	8	17.91	8.44	6.42	4.37	4.52	7.62	10.06	12.04	6.25	5.71
37	9	0.74	1.46	2.21	2.02	1.52	4.29	9.31	21.96	21.24	17.68
37	10	1.31	0.85	1.42	1.82	1.83	4.54	8.72	19.74	17.99	17.98
37	11	0.26	0.83	2.07	3.22	3.42	5.79	7.34	15.23	12.27	11.14
37	12	0.45	1.05	2.67	4.18	4.97	9.64	11.78	17.58	13.11	12.21
37	13	4.79	1.99	3	4.11	4.27	8.83	8.19	13.44	10.86	11.42
38	4	1.21	0.92	2.72	6.5	12.38	16.28	14.34	11.78	8.86	6.07
38	5	1.93	21.44	36.85	14.22	8.05	5.41	3.77	2.61	1.8	1.27
38	6	0.56	1.15	3	6.24	9.53	12.52	15.24	16.11	14.63	9.7
38	7	2.56	0.68	0.76	2.04	4.34	4.79	6.39	9.67	15.1	16.01
38	8	22.3	30.3	18.3	7.57	4.97	4.25	3.51	2.62	1.72	1.15
38	9	0.66	1.28	2	2.13	3.98	8.84	15.4	20.68	19.45	13.24
38	10	0.78	0.78	1.33	2.17	4.63	9.07	14.94	21.1	19.75	12.73
38	11	3.1	6.76	13.54	11.94	10.44	11.04	11.38	8.75	6.62	3.74
38	12	4.84	3.78	5.9	9.09	9.2	9.78	11.9	12.93	11.54	6.63
38	13	1.95	2.52	4.77	5.6	4.93	7.18	11.88	15.77	15.46	11.43
39	4	5.33	4.34	2.28	3.35	6.92	11.82	10.16	13.08	10.2	9.64
39	5	6.55	17.5	14.58	9.82	7.18	9.77	7.07	7	4.64	4.51
39	6	4.29	2.99	1.62	1.26	1.38	3.55	7.11	16.28	18.41	19.73

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		3000	4000	5000	6000	7000	8000	9000	10000	11000	12000
39	7	5.74	14.87	19.75	14.19	6.86	5.34	3.56	3.52	3.13	3.62
39	8	20.41	9.82	7.41	4.93	4.75	6.69	9.68	11.19	5.38	4.38
39	9	0.68	2.29	1.76	1.17	0.83	2.37	6.98	22.22	29.96	19.22
39	10	5.32	0.75	0.84	1	1.32	3.33	9.66	20.97	18.08	12.09
39	11	1.03	0.71	1.09	2.79	3.44	5.21	7.29	15.37	10.69	11.69
39	12	2.86	0.75	2.01	4.94	4.92	7.67	9.83	14.21	11.94	13.35
39	13	69.71	2.49	2.95	4.77	2.28	1.6	1.5	3.09	2.48	1.69
53	4	0.08	0.13	0.19	1.25	4.39	13.11	11.39	12.75	10.07	11.49
53	5	4.31	20	28.1	20.29	7.39	5.45	3.44	3.1	1.86	1.71
53	6	10.58	8.3	8.87	7.91	3.97	3.56	4.63	10.46	11.48	12.71
53	7	4.95	16.49	27.33	19.27	9.28	6	3.63	3.41	2.35	2.36
53	8	9.85	9.02	14.55	17.07	9.53	8.41	6.26	6.98	4.85	3.91
53	9	0.65	1.23	1.56	1.91	1.37	1.88	3.18	11.23	19.52	28
53	10	0.11	0.16	0.32	0.76	1.3	3.49	6.51	17.36	22.49	27.5
53	11	0.27	0.51	1.2	3.98	5.69	7.19	7.83	14.94	13.04	11.79
53	12	0.45	0.77	1.51	4.21	5.87	8.32	9.48	16.77	13.28	12.74
53	13	3.21	6.69	4.96	2.79	2.19	3.33	5.34	12.86	13.88	15.31
55	4	0.11	0.07	0.07	0.33	1.23	4.8	8.39	8.72	10.63	18.84
55	5	1.42	18.44	24.97	15.21	7.29	8.01	5.5	5.73	3.39	2.83
55	6	0	0.04	0.13	0.38	0.58	2.79	7.07	17.49	16.24	13.96
55	7	0	0.07	0.12	0.15	0.09	0.25	0.44	0.84	0.82	2.4
55	8	4.14	1.85	6.39	5.92	6.64	12.19	12.73	16	9.56	7.29
55	9	0.27	1.88	3.89	3.88	1.25	2.12	5.23	17.87	22.5	24.88
55	10	0.13	0.04	0.07	0.4	0.66	2.64	5.54	18.01	21.3	23.82
55	11	0	0.51	1.62	6.29	3.75	4.78	6.19	12.06	13.82	9.85
55	12	0.29	0.08	1.8	7.83	8.52	4.92	12.21	14.49	13	10.92
55	13	0.54	0.42	0.36	1.5	1.44	2.82	4.83	12.61	11.55	16.43

Table B-3. Single Axle Distribution, 13,000 lbs to 22,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		13000	14000	15000	16000	17000	18000	19000	20000	21000	22000
4	4	11.68	16.15	14.34	7.76	5.71	2.68	1.79	0.76	0.44	0.15
4	5	0.91	0.9	0.74	0.5	0.47	0.27	0.23	0.11	0.07	0.03
4	6	15.37	10.42	5.19	2.59	1.92	0.78	0.52	0.17	0.11	0.04
4	7	9.21	10.33	9.94	8.12	10.4	7.49	6.99	3.38	2.35	1.06
4	8	4.97	4.54	3.6	2.23	2.31	1.48	1.3	0.57	0.33	0.11
4	9	15.19	4.34	2.09	2.14	2.51	1.26	0.67	0.18	0.07	0.02
4	10	13.11	5.33	2.1	1.12	0.96	0.59	0.56	0.3	0.2	0.08
4	11	9.11	10.48	9.95	7.35	7.25	3.82	2.44	0.78	0.36	0.1
4	12	15.16	14.34	8.11	3.25	2.06	0.81	0.47	0.16	0.08	0.03
4	13	10.89	13.23	9.67	5.52	4.44	2.19	1.65	0.94	0.55	0.4
5	4	12.08	13.17	11.57	6.87	5.46	2.74	2.18	1.01	0.68	0.27
5	5	1.06	1.02	0.76	0.5	0.49	0.32	0.28	0.15	0.11	0.05
5	6	10.06	6.46	3.11	1.83	1.51	0.78	0.72	0.57	0.36	0.12
5	7	15.05	17.78	12.45	5.85	4.91	2.86	2.35	0.95	0.52	0.14
5	8	3.49	3.38	2.81	2.02	2.02	1.48	1.42	0.85	0.59	0.24
5	9	9.9	2.85	1.87	2.18	2.87	2.08	1.3	0.53	0.26	0.11
5	10	11.36	7.2	3.84	2.58	2.04	1.62	1.18	0.78	0.59	0.31
5	11	8.37	9.89	8.61	6.16	6.02	3.99	3.23	1.52	0.73	0.21
5	12	13	13.68	7.78	3.15	1.99	0.92	0.53	0.19	0.09	0.04
5	13	8.85	8.52	5.81	4.16	3.5	2.28	1.69	1.24	0.87	0.45
6	4	10.78	13.3	10.67	5.15	3.17	1.73	2.16	1.04	0.78	0.29
6	5	1.41	1.2	0.83	0.51	0.51	0.36	0.42	0.22	0.22	0.12
6	6	6.45	4.19	2.9	1.85	1.73	1.21	1.26	0.57	0.3	0.07
6	7	5.74	5.26	7.79	6.82	9.96	8.6	10.57	6.18	3.39	0.54
6	8	4.08	3.39	2.74	1.74	1.73	1.09	1.12	0.68	0.52	0.21
6	9	14.47	2.1	0.73	0.83	1.72	1.66	1.45	0.41	0.1	0.02
6	10	11.83	3.4	1.01	0.51	0.61	0.53	0.55	0.22	0.12	0.09
6	11	2.87	3.77	4.82	5.72	8.76	5.73	4.25	1.52	0.6	0.11
6	12	8.17	8.35	5.76	3.83	3.71	1.56	0.72	0.16	0.05	0.01
6	13	10.74	11.56	6.78	3.19	3.26	2.61	2.61	0.92	0.8	0.89
8	4	10.89	11.19	10.55	6.5	5.27	2.93	2.23	1.13	0.68	0.33
8	5	0.65	0.6	0.43	0.31	0.35	0.26	0.24	0.13	0.08	0.03
8	6	9.78	7.03	4.3	2.42	2.4	1.82	1.61	0.72	0.3	0.06
8	7	1.77	1.24	1.1	1.04	2.12	4.05	5	2.5	1.24	0.48
8	8	4.5	3.58	2.92	1.91	1.86	1.24	1.24	0.69	0.45	0.15
8	9	15.11	3.43	1.01	0.76	1.39	1.29	0.93	0.31	0.13	0.04
8	10	13	7.79	3.73	2.26	1.95	0.86	0.69	0.31	0.26	0.13

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		13000	14000	15000	16000	17000	18000	19000	20000	21000	22000
8	11	9.23	9.19	7.39	4.55	3.91	2.24	1.66	0.7	0.28	0.12
8	12	13.21	7.98	3.02	1.05	0.7	0.33	0.23	0.08	0.03	0
8	13	7.54	7.4	6.05	4.59	4.05	2.2	1.37	0.61	0.33	0.23
10	4	5.59	5.16	3.6	2	1.72	0.9	0.75	0.4	0.32	0.17
10	5	0.8	0.73	0.62	0.44	0.46	0.28	0.26	0.15	0.12	0.07
10	6	7.59	5.72	3.3	1.82	1.82	1.19	1.13	0.69	0.6	0.31
10	7	11.61	17.06	16.13	9.87	8.69	4.39	3.23	1.55	1.19	0.61
10	8	2.74	2.68	2.1	1.41	1.49	0.96	0.87	0.46	0.37	0.17
10	9	5.83	3.76	2.19	1.5	1.94	1.55	1.59	0.93	0.76	0.4
10	10	5.4	3.46	2.1	0.87	0.48	0.19	0.26	0.15	0.19	0.06
10	11	3.13	2.28	0.7	0.45	0.52	0.44	0.15	0.1	0.09	0
10	12	3.77	4.58	3.55	2.56	2.11	1.29	1.17	0.47	0.34	0.09
10	13	2.85	3.43	2.4	1.33	0.62	0.8	0.44	0.34	0.27	0
19	4	8.53	8.34	5.57	3.2	2.38	1.27	0.94	0.49	0.33	0.16
19	5	1.49	1.3	0.88	0.58	0.47	0.3	0.23	0.15	0.11	0.06
19	6	9.12	8.13	5.24	3.42	2.88	1.97	1.6	1.04	0.76	0.38
19	7	7.24	11.07	11.42	9.52	9.5	6.39	5.4	3.44	2.69	1.49
19	8	2.57	2.24	1.62	1.04	0.84	0.56	0.44	0.28	0.22	0.12
19	9	8.92	7.06	3.92	1.97	1.43	0.85	0.64	0.37	0.26	0.13
19	10	9.21	9.5	6.85	4.23	3.19	1.85	1.3	0.74	0.52	0.27
19	11	7.67	8.33	6.05	3.78	3.01	1.65	1.13	0.58	0.38	0.17
19	12	8.63	9.38	6.59	3.74	3.08	1.52	0.9	0.4	0.23	0.06
19	13	7.89	7.78	5.82	3.77	3.05	1.62	1.36	0.54	0.46	0.24
20	4	11.15	15.76	14.98	9.04	6.79	2.81	2.13	0.8	0.51	0.21
20	5	0.81	0.78	0.62	0.4	0.43	0.26	0.22	0.13	0.09	0.04
20	6	10.7	6.82	4.77	2.81	2.99	1.96	1.75	0.62	0.29	0.07
20	7	8.84	10.83	10.61	8.28	10.28	7.66	6.54	2.27	0.95	0.17
20	8	4.29	3.61	3.06	1.95	1.92	1.25	1.29	0.79	0.56	0.22
20	9	18.34	2.66	1.53	1.7	3.05	2.42	1.83	0.67	0.32	0.09
20	10	13.16	6.49	3.39	1.44	0.86	0.38	0.29	0.09	0.05	0.02
20	11	9.08	10.6	9.56	6.34	6.31	3.86	3.39	1.44	0.55	0.1
20	12	15.78	15.45	7.9	2.52	1.5	0.67	0.44	0.13	0.05	0.01
20	13	8.66	8.75	8.68	6.34	5.38	3.05	2.74	1.49	1	0.16
26	4	8.44	7.17	5.08	3.09	2.58	1.7	1.41	0.88	0.63	0.32
26	5	2.35	2.03	1.58	1.05	0.95	0.65	0.56	0.35	0.27	0.16
26	6	8.55	6.96	5.07	3.12	2.49	1.49	1.15	0.67	0.46	0.23
26	7	9	12.44	12.73	9.63	9.45	5.85	4.71	2.81	2.01	0.96
26	8	4.17	3.91	3.46	2.83	2.78	1.98	1.55	0.89	0.57	0.31

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		13000	14000	15000	16000	17000	18000	19000	20000	21000	22000
26	9	7.17	3.15	1.79	1.73	2.53	2.24	1.91	1.04	0.57	0.24
26	10	9.68	8.13	6.2	4.59	5.17	3.55	3.23	1.81	1.29	0.6
26	11	8.72	9.3	8.21	5.72	4.32	2.53	1.74	0.92	0.48	0.2
26	12	9.03	8.73	5.53	3.08	2.51	2.09	1.73	1.22	0.79	0.46
26	13	9.28	9.35	8.13	6.37	6.58	5.05	4.44	2.87	2.07	1.25
32	4	7.64	7.19	5.07	3.25	3.37	2.44	2.54	1.32	0.88	0.36
32	5	1.11	1.11	0.94	0.75	0.77	0.56	0.49	0.26	0.18	0.07
32	6	4.63	3.08	1.75	0.99	0.87	0.58	0.4	0.19	0.09	0.04
32	7	3.91	3.76	4.05	3.57	4.84	3.99	6.25	4.88	4.75	1.69
32	8	3.16	2.84	1.96	1.28	1.18	0.77	0.65	0.3	0.19	0.09
32	9	5.27	2.26	2.01	2.34	2.8	1.77	1.02	0.28	0.1	0.03
32	10	7.05	3.41	1.14	0.47	0.32	0.22	0.16	0.07	0.04	0.02
32	11	7.32	8.84	7.34	5.59	5.43	3.57	2.54	0.94	0.41	0.09
32	12	10.92	8.54	3.88	1.66	1.18	0.6	0.4	0.15	0.08	0.02
32	13	7.08	7.15	5.38	4.01	4.11	2.65	1.98	0.8	0.45	0.17
37	4	5.61	5.04	3.26	2.23	1.73	1.2	0.96	0.62	0.48	0.29
37	5	1.45	1.31	0.92	0.67	0.59	0.45	0.39	0.28	0.24	0.15
37	6	6.31	4.99	2.68	1.7	1.14	0.81	0.61	0.47	0.4	0.25
37	7	5.87	6.13	5.2	3.74	3.66	2.61	2.8	1.7	1.39	0.75
37	8	3.47	3.22	2.3	1.75	1.44	1.08	0.83	0.61	0.5	0.31
37	9	6.2	3.9	2.16	1.37	1.05	0.76	0.56	0.38	0.29	0.18
37	10	8.36	5.76	3	1.85	1.07	0.87	0.57	0.34	0.32	0.25
37	11	7.35	7.64	5.84	4.45	3.63	2.66	2.01	1.4	1.09	0.62
37	12	6.63	5.46	3.24	2.14	1.42	0.98	0.67	0.5	0.36	0.2
37	13	5.26	4.69	2.48	2.79	1.79	1.77	0.95	1.03	1.16	0.45
38	4	5.44	4.4	2.96	2.47	1.61	0.87	0.45	0.32	0.19	0.07
38	5	0.8	0.52	0.34	0.25	0.18	0.14	0.09	0.09	0.07	0.06
38	6	5.94	2.86	1.32	0.62	0.28	0.12	0.1	0.06	0.02	0.02
38	7	13.39	11.02	6.46	4.08	1.03	0.89	0.12	0.28	0	0
38	8	0.73	0.56	0.4	0.26	0.19	0.12	0.1	0.1	0.07	0.08
38	9	6.69	2.68	1.18	0.59	0.4	0.29	0.19	0.15	0.08	0.04
38	10	6.34	3.15	1.37	0.46	0.59	0.26	0.18	0.14	0.07	0.07
38	11	2.76	1.25	1.54	1.08	0.6	0.47	0.22	0.53	0.46	0.66
38	12	4.1	3.15	2.56	1.86	1.2	0.62	0.16	0.19	0.15	0.08
38	13	7.72	4.23	2.68	1.48	0.95	0.55	0.32	0.14	0.13	0.05
39	4	6.32	6.02	4.16	2.19	1.57	0.95	0.68	0.37	0.27	0.14
39	5	2.57	2.61	1.98	1.09	1.03	0.65	0.57	0.33	0.24	0.12
39	6	10.83	6.91	2.57	0.98	0.82	0.45	0.3	0.14	0.1	0.06

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		13000	14000	15000	16000	17000	18000	19000	20000	21000	22000
39	7	2.66	3.26	3.25	2.13	2.37	1.68	1.74	0.99	0.7	0.31
39	8	2.75	3.02	2.55	1.79	1.8	1.16	0.84	0.44	0.32	0.18
39	9	3.49	1.65	0.97	1.02	1.75	1.52	1.12	0.47	0.24	0.09
39	10	3.91	4.07	4.19	3.3	3.42	2.29	2.03	1.2	0.97	0.49
39	11	8.74	9.79	8.22	5.02	4.48	2.25	1.34	0.53	0.24	0.07
39	12	9.01	8.41	4.6	1.9	1.54	0.82	0.58	0.25	0.17	0.11
39	13	0.8	0.98	1.02	0.87	0.89	0.73	0.65	0.42	0.37	0.21
53	4	7.39	7.76	5.99	3.6	3.59	2.28	1.9	1	0.74	0.33
53	5	0.94	0.93	0.71	0.43	0.42	0.28	0.25	0.14	0.11	0.05
53	6	6.1	4.85	3.04	1.34	1.04	0.53	0.32	0.14	0.09	0.04
53	7	1.3	1.17	0.93	0.49	0.49	0.25	0.19	0.07	0.04	0.01
53	8	2.42	2.12	1.67	0.98	0.88	0.53	0.42	0.22	0.15	0.07
53	9	13.19	5.59	2.36	1.91	2.37	1.68	1.29	0.58	0.31	0.09
53	10	12.28	5.68	1.28	0.33	0.2	0.1	0.06	0.03	0.02	0.01
53	11	6.56	7.53	6.5	3.86	3.64	2.19	1.7	0.8	0.49	0.16
53	12	7.59	7.63	4.86	2.16	1.79	1	0.76	0.38	0.23	0.09
53	13	7.32	6.27	5.27	3.42	3.28	1.76	1.15	0.49	0.28	0.09
55	4	13.76	15.01	9.53	4.36	2.23	0.59	0.42	0.26	0.13	0.02
55	5	1.81	1.64	1.16	0.71	0.68	0.35	0.33	0.2	0.13	0.07
55	6	10.66	16.31	7.81	1.99	1.63	0.98	0.87	0.5	0.34	0.13
55	7	3.52	7.74	12.45	13.55	20.05	14.66	12.25	5.54	3.75	0.84
55	8	4.08	3.62	2.86	1.74	1.66	1.17	0.95	0.49	0.37	0.09
55	9	5.29	1.4	1.49	1.64	2.53	1.65	1.16	0.48	0.3	0.15
55	10	7.72	5.86	3.06	2.44	2.52	1.76	2.15	0.71	0.63	0.4
55	11	6.4	9.04	7.99	5.57	6.59	3.19	1.59	0.77	0	0
55	12	7.81	6.48	5.4	3.58	1.29	0.76	0.53	0.08	0	0
55	13	10.49	10.14	10.56	6.88	3.61	2.55	1.93	0.41	0.55	0.18

Table B-4. Single Axle Distribution, 23,000 lbs to 32,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		23000	24000	25000	26000	27000	28000	29000	30000	31000	32000
4	4	0.1	0.03	0.03	0.01	0.01	0	0	0	0	0
4	5	0.02	0.01	0.01	0	0	0	0	0	0	0
4	6	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
4	7	0.51	0.15	0.06	0.01	0.02	0.01	0.03	0.01	0.01	0.01
4	8	0.06	0.02	0.02	0.01	0	0	0	0	0	0
4	9	0.01	0	0	0	0	0	0	0	0	0
4	10	0.07	0.03	0.05	0.05	0.02	0.02	0.01	0	0	0
4	11	0.05	0.01	0.01	0	0	0	0	0	0	0
4	12	0.01	0	0	0	0	0	0	0	0	0
4	13	0.39	0.14	0.12	0.05	0.07	0.02	0.02	0.01	0.01	0.01
5	4	0.17	0.07	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.01
5	5	0.04	0.02	0.02	0.01	0.01	0	0	0	0	0
5	6	0.11	0.08	0.07	0.04	0.04	0.04	0.03	0.04	0.03	0.04
5	7	0.09	0.06	0.05	0.03	0.03	0.01	0.01	0.01	0.01	0.01
5	8	0.15	0.06	0.05	0.03	0.02	0.01	0.01	0.01	0.01	0.01
5	9	0.08	0.04	0.03	0.02	0.01	0.01	0.01	0	0	0
5	10	0.29	0.15	0.13	0.07	0.06	0.03	0.03	0.03	0.02	0.02
5	11	0.13	0.05	0.05	0.03	0.03	0.02	0.02	0.02	0.01	0.01
5	12	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0	0
5	13	0.36	0.19	0.19	0.09	0.07	0.05	0.05	0.02	0.01	0.01
6	4	0.14	0.05	0.02	0.02	0.01	0.01	0	0	0	0
6	5	0.07	0.03	0.03	0.02	0.02	0.01	0.01	0	0	0
6	6	0.04	0.01	0	0	0	0	0	0	0	0
6	7	0.15	0.05	0.02	0.02	0	0	0	0	0	0
6	8	0.14	0.06	0.04	0.02	0.01	0.01	0	0	0	0
6	9	0.01	0	0	0	0	0	0	0	0	0
6	10	0.08	0.05	0.02	0	0.01	0.01	0	0	0	0
6	11	0.04	0.01	0	0	0	0	0	0	0	0
6	12	0	0	0	0	0	0	0	0	0	0
6	13	1.1	0.94	0.88	0.28	0.13	0	0.02	0	0	0
8	4	0.21	0.1	0.07	0.02	0.01	0.01	0.01	0	0	0
8	5	0.02	0.01	0.01	0.01	0.01	0	0	0	0	0
8	6	0.04	0.02	0.03	0.01	0	0	0	0	0	0
8	7	0.12	0.02	0.01	0.01	0.01	0	0.01	0	0	0
8	8	0.08	0.03	0.02	0.01	0.01	0	0	0	0	0
8	9	0.02	0.01	0	0	0	0	0	0	0	0
8	10	0.11	0.04	0.08	0.02	0.01	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		23000	24000	25000	26000	27000	28000	29000	30000	31000	32000
8	11	0.06	0.03	0.01	0	0	0	0	0	0	0
8	12	0	0	0	0	0	0	0	0	0	0
8	13	0.22	0.09	0.17	0.06	0.1	0.05	0.01	0	0	0
10	4	0.13	0.07	0.06	0.03	0.02	0.01	0.01	0	0	0
10	5	0.05	0.03	0.02	0.01	0.01	0	0	0	0	0
10	6	0.22	0.1	0.07	0.03	0.02	0.01	0.01	0.01	0	0
10	7	0.42	0.19	0.15	0.08	0.04	0.02	0.02	0.02	0	0.01
10	8	0.13	0.08	0.06	0.03	0.03	0.01	0.01	0.01	0	0
10	9	0.34	0.17	0.12	0.05	0.03	0.01	0.01	0.01	0	0
10	10	0.06	0.06	0.02	0.01	0.01	0.02	0	0	0	0
10	11	0	0	0	0	0	0.03	0	0	0	0
10	12	0.04	0.02	0.06	0	0	0.01	0	0	0	0
10	13	0	0	0	0	0	0	0	0	0	0
19	4	0.13	0.07	0.07	0.04	0.03	0.02	0.02	0.02	0.01	0.01
19	5	0.05	0.03	0.03	0.01	0.01	0.01	0.01	0	0	0
19	6	0.28	0.14	0.11	0.06	0.05	0.03	0.02	0.01	0.01	0.01
19	7	1.23	0.68	0.53	0.28	0.19	0.08	0.07	0.04	0.02	0.03
19	8	0.1	0.05	0.04	0.02	0.02	0.01	0.01	0.01	0	0
19	9	0.1	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0
19	10	0.21	0.12	0.1	0.08	0.06	0.03	0.04	0.03	0.02	0.01
19	11	0.1	0.04	0.03	0.01	0.01	0.01	0.01	0	0	0
19	12	0.04	0.04	0.02	0.01	0	0	0	0	0	0
19	13	0.18	0.11	0.09	0.07	0.07	0.05	0.03	0.02	0.01	0.03
20	4	0.1	0.04	0.02	0.01	0	0	0	0	0	0
20	5	0.02	0.01	0.01	0	0	0	0	0	0	0
20	6	0.03	0.01	0	0	0	0	0	0	0	0
20	7	0.06	0.01	0.01	0	0	0	0	0	0	0
20	8	0.11	0.04	0.02	0.01	0.01	0	0	0	0	0
20	9	0.05	0.02	0.01	0	0	0	0	0	0	0
20	10	0.01	0.01	0	0	0	0	0	0	0	0
20	11	0.02	0	0	0	0	0	0	0	0	0
20	12	0.01	0	0	0	0	0	0	0	0	0
20	13	0.05	0.01	0.02	0.01	0	0	0	0	0	0
26	4	0.19	0.1	0.06	0.03	0.02	0.01	0.01	0.01	0	0
26	5	0.11	0.07	0.05	0.03	0.02	0.01	0.01	0	0	0
26	6	0.16	0.07	0.04	0.01	0.01	0.01	0	0	0	0
26	7	0.69	0.31	0.18	0.08	0.04	0.03	0.01	0	0	0
26	8	0.19	0.11	0.07	0.04	0.03	0.02	0.01	0.01	0.01	0

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		23000	24000	25000	26000	27000	28000	29000	30000	31000	32000
26	9	0.12	0.05	0.03	0.02	0.01	0.01	0	0	0	0
26	10	0.37	0.17	0.11	0.05	0.03	0.02	0.01	0.01	0	0
26	11	0.08	0.03	0.01	0	0	0	0	0	0	0
26	12	0.26	0.16	0.09	0.06	0.04	0.02	0.01	0.01	0.01	0
26	13	0.87	0.51	0.36	0.22	0.15	0.1	0.07	0.05	0.03	0.03
32	4	0.2	0.07	0.05	0.02	0.02	0	0	0	0	0
32	5	0.05	0.02	0.01	0	0	0	0	0	0	0
32	6	0.02	0.01	0.01	0	0	0	0	0	0	0
32	7	0.53	0.05	0	0.01	0.02	0	0	0	0	0
32	8	0.06	0.03	0.03	0.01	0.01	0	0	0	0	0
32	9	0.01	0	0	0	0	0	0	0	0	0
32	10	0.01	0.01	0	0	0	0	0	0	0	0
32	11	0.03	0.01	0	0	0	0	0	0	0	0
32	12	0.01	0	0	0	0	0	0	0	0	0
32	13	0.1	0.04	0.02	0.01	0	0	0	0	0	0
37	4	0.27	0.16	0.17	0.1	0.1	0.06	0.06	0.04	0.03	0.02
37	5	0.13	0.09	0.09	0.05	0.05	0.03	0.03	0.02	0.01	0.01
37	6	0.21	0.11	0.1	0.06	0.05	0.04	0.03	0.03	0.02	0.01
37	7	0.58	0.38	0.26	0.15	0.13	0.09	0.08	0.04	0.03	0.05
37	8	0.28	0.17	0.15	0.09	0.09	0.06	0.06	0.04	0.03	0.03
37	9	0.17	0.11	0.11	0.07	0.06	0.04	0.03	0.02	0.02	0.01
37	10	0.23	0.15	0.15	0.08	0.13	0.1	0.09	0.09	0.09	0.08
37	11	0.54	0.31	0.26	0.15	0.12	0.07	0.06	0.04	0.04	0.03
37	12	0.19	0.12	0.11	0.07	0.06	0.04	0.04	0.02	0.02	0.02
37	13	1.04	0.84	0.84	0.6	0.36	0.42	0.36	0.4	0.39	0.28
38	4	0	0.02	0.05	0	0.01	0	0	0	0.04	0
38	5	0.04	0.02	0.01	0.01	0	0	0	0	0	0
38	6	0.01	0	0	0	0	0	0	0	0	0
38	7	0	0	0	0	0	0.27	0.15	0	0	0
38	8	0.07	0.08	0.11	0.1	0.08	0.07	0.06	0.03	0.03	0.02
38	9	0.02	0.01	0.01	0	0	0	0	0	0	0
38	10	0.05	0	0	0	0.02	0	0	0	0	0
38	11	0.66	0.36	0.31	0.28	0.39	0.43	0.18	0.1	0.12	0.06
38	12	0.12	0.02	0.08	0.06	0	0.02	0	0	0	0
38	13	0.02	0.09	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0
39	4	0.09	0.05	0.03	0.01	0.01	0	0	0	0	0
39	5	0.08	0.05	0.04	0.02	0.01	0	0	0	0	0
39	6	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		23000	24000	25000	26000	27000	28000	29000	30000	31000	32000
39	7	0.15	0.06	0.03	0.02	0.02	0.01	0	0	0	0
39	8	0.14	0.09	0.06	0.04	0.03	0.02	0.01	0.02	0.02	0.02
39	9	0.06	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
39	10	0.37	0.16	0.1	0.04	0.03	0.03	0.01	0.01	0	0
39	11	0.02	0.01	0	0	0	0	0	0	0	0
39	12	0.06	0.02	0.04	0.02	0.01	0	0	0	0	0
39	13	0.18	0.1	0.07	0.04	0.04	0.02	0.02	0.01	0	0
53	4	0.25	0.1	0.08	0.04	0.04	0.02	0.01	0.01	0	0
53	5	0.03	0.01	0.01	0	0	0	0	0	0	0
53	6	0.02	0.01	0.01	0	0	0	0	0	0	0
53	7	0.01	0	0	0	0	0	0	0	0	0
53	8	0.05	0.02	0.01	0.01	0	0	0	0	0	0
53	9	0.04	0.01	0.01	0.01	0.01	0	0	0	0	0
53	10	0	0	0	0	0	0	0	0	0	0
53	11	0.07	0.02	0.01	0	0	0	0	0	0	0
53	12	0.05	0.02	0.01	0.01	0	0	0	0	0	0
53	13	0.05	0.02	0.01	0.01	0	0	0	0	0	0
55	4	0.04	0.09	0.07	0.09	0.11	0.02	0.07	0.02	0	0.02
55	5	0.06	0.03	0.01	0.01	0.01	0	0	0	0	0
55	6	0.09	0.01	0.03	0	0	0	0	0	0	0
55	7	0.38	0.09	0.01	0	0	0	0	0	0	0
55	8	0.1	0.06	0.05	0.02	0.02	0.01	0	0	0	0
55	9	0.09	0.03	0.02	0	0	0	0	0	0	0
55	10	0.1	0.04	0	0	0	0	0	0	0	0
55	11	0	0	0	0	0	0	0	0	0	0
55	12	0	0	0	0	0	0	0	0	0	0
55	13	0	0.06	0.06	0.06	0.06	0	0	0	0	0

Table B-5. Single Axle Distribution, 33,000 lbs to 41,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)								
		33000	34000	35000	36000	37000	38000	39000	40000	41000
4	4	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0
4	6	0	0	0	0	0	0	0	0	0
4	7	0	0	0	0	0.02	0.01	0.01	0.01	0.01
4	8	0	0	0	0	0	0	0	0	0
4	9	0	0	0	0	0	0	0	0	0
4	10	0	0	0	0	0	0	0	0	0
4	11	0	0	0	0	0	0	0	0	0
4	12	0	0	0	0	0	0	0	0	0
4	13	0	0	0	0	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0
5	6	0.04	0.04	0.03	0.02	0.01	0.01	0	0	0
5	7	0	0	0	0	0	0	0	0	0
5	8	0	0	0	0	0	0	0	0	0
5	9	0	0	0	0	0	0	0	0	0
5	10	0.01	0.01	0.01	0.01	0	0	0	0	0
5	11	0.01	0.01	0.01	0.01	0	0	0	0	0
5	12	0	0	0	0	0	0	0	0	0
5	13	0.01	0.01	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0	0
6	6	0	0	0	0	0	0	0	0	0
6	7	0	0	0	0	0	0	0	0	0
6	8	0	0	0	0	0	0	0	0	0
6	9	0	0	0	0	0	0	0	0	0
6	10	0	0	0	0	0	0	0	0	0
6	11	0	0	0	0	0	0	0	0	0
6	12	0	0	0	0	0	0	0	0	0
6	13	0	0	0	0	0	0	0	0	0
8	4	0	0	0	0	0	0	0	0	0
8	5	0	0	0	0	0	0	0	0	0
8	6	0	0	0	0	0	0	0	0	0
8	7	0	0	0	0	0	0	0	0	0
8	8	0	0	0	0	0	0	0	0	0
8	9	0	0	0	0	0	0	0	0	0
8	10	0	0	0	0	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)								
		33000	34000	35000	36000	37000	38000	39000	40000	41000
8	11	0	0	0	0	0	0	0	0	0
8	12	0	0	0	0	0	0	0	0	0
8	13	0	0.01	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0	0	0
10	5	0	0	0	0	0	0	0	0	0
10	6	0	0	0	0	0	0	0	0	0
10	7	0	0	0	0	0	0	0	0	0
10	8	0	0	0	0	0	0	0	0	0
10	9	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0.01	0	0	0	0	0
10	11	0	0	0	0	0	0	0	0	0
10	12	0	0	0	0	0	0	0	0	0
10	13	0	0	0	0	0	0	0	0	0
19	4	0.01	0.01	0.01	0.01	0	0	0	0	0
19	5	0	0	0	0	0	0	0	0	0
19	6	0.01	0.01	0.01	0.01	0	0	0	0	0
19	7	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0
19	8	0	0	0	0	0	0	0	0	0
19	9	0	0	0	0	0	0	0	0	0
19	10	0.01	0.01	0	0.01	0	0	0	0	0
19	11	0	0	0	0	0	0	0	0	0
19	12	0	0	0	0	0	0	0	0	0
19	13	0.01	0.03	0.01	0.01	0	0	0	0	0
20	4	0	0	0	0	0	0	0	0	0
20	5	0	0	0	0	0	0	0	0	0
20	6	0	0	0	0	0	0	0	0	0
20	7	0	0	0	0	0	0	0	0	0
20	8	0	0	0	0	0	0	0	0	0
20	9	0	0	0	0	0	0	0	0	0
20	10	0	0	0	0	0	0	0	0	0
20	11	0	0	0	0	0	0	0	0	0
20	12	0	0	0	0	0	0	0	0	0
20	13	0	0	0	0	0	0	0	0	0
26	4	0	0	0	0	0	0	0	0	0
26	5	0	0	0	0	0	0	0	0	0
26	6	0	0	0	0	0	0	0	0	0
26	7	0	0	0	0	0	0	0	0	0
26	8	0	0	0	0	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)								
		33000	34000	35000	36000	37000	38000	39000	40000	41000
26	9	0	0	0	0	0	0	0	0	0
26	10	0	0	0	0	0	0	0	0	0
26	11	0	0	0	0	0	0	0	0	0
26	12	0	0	0	0	0	0	0	0	0
26	13	0.02	0.02	0.01	0.01	0	0	0	0	0
32	4	0	0	0	0	0	0	0	0	0
32	5	0	0	0	0	0	0	0	0	0
32	6	0	0	0	0	0	0	0	0	0
32	7	0	0	0	0	0	0	0	0	0
32	8	0	0	0	0	0	0	0	0	0
32	9	0	0	0	0	0	0	0	0	0
32	10	0	0	0	0	0	0	0	0	0
32	11	0	0	0	0	0	0	0	0	0
32	12	0	0	0	0	0	0	0	0	0
32	13	0	0	0	0	0	0	0	0	0
37	4	0.02	0.01	0.01	0.01	0	0	0	0	0
37	5	0.01	0.01	0.01	0	0	0	0	0	0
37	6	0.01	0.01	0.01	0	0	0	0	0	0
37	7	0.03	0.03	0.02	0.03	0.01	0	0.01	0	0
37	8	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0
37	9	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0
37	10	0.05	0.02	0.04	0.02	0.02	0.03	0.03	0.03	0
37	11	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0	0
37	12	0.02	0.01	0.01	0.01	0.01	0	0	0	0
37	13	0.28	0.15	0.25	0.12	0.11	0.05	0.06	0.06	0.06
38	4	0.02	0	0	0.02	0	0	0	0	0
38	5	0	0	0	0	0	0	0	0	0
38	6	0	0	0	0	0	0	0	0	0
38	7	0	0	0	0	0	0	0	0	0
38	8	0.01	0.02	0	0.01	0	0	0	0	0
38	9	0	0	0	0	0	0	0	0	0
38	10	0	0	0	0	0	0	0	0	0
38	11	0.04	0.06	0.06	0.03	0	0	0	0	0
38	12	0	0.02	0	0.02	0	0	0	0	0
38	13	0	0.01	0	0	0	0	0	0	0
39	4	0	0	0	0	0	0	0	0	0
39	5	0	0	0	0	0	0	0	0	0
39	6	0.01	0.01	0.01	0	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)								
		33000	34000	35000	36000	37000	38000	39000	40000	41000
39	7	0	0	0	0	0	0	0	0	0
39	8	0.02	0.02	0.01	0.01	0	0	0	0	0
39	9	0.01	0.01	0	0	0	0	0	0	0
39	10	0.01	0	0	0	0	0	0	0	0
39	11	0	0	0	0	0	0	0	0	0
39	12	0	0	0	0	0	0	0	0	0
39	13	0	0	0	0	0	0	0	0	0
53	4	0	0	0	0	0	0	0	0	0
53	5	0	0	0	0	0	0	0	0	0
53	6	0	0	0	0	0	0	0	0	0
53	7	0	0	0	0	0	0	0	0	0
53	8	0	0	0	0	0	0	0	0	0
53	9	0	0	0	0	0	0	0	0	0
53	10	0	0	0	0	0	0	0	0	0
53	11	0	0	0	0	0	0	0	0	0
53	12	0	0	0	0	0	0	0	0	0
53	13	0	0	0	0	0	0	0	0	0
55	4	0	0	0	0	0	0	0	0	0
55	5	0	0	0	0	0	0	0	0	0
55	6	0	0	0	0	0	0	0	0	0
55	7	0	0	0	0	0	0	0	0	0
55	8	0	0	0	0	0	0	0	0	0
55	9	0	0	0	0	0	0	0	0	0
55	10	0	0	0	0.01	0	0	0	0	0
55	11	0	0	0	0	0	0	0	0	0
55	12	0	0	0	0	0	0	0	0	0
55	13	0	0	0	0	0	0	0	0	0

Table B-6. Tandem Axle Distribution, 6,000 lbs to 24,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		6000	8000	10000	12000	14000	16000	18000	20000	22000	24000
4	4	0	0.01	0.05	0.16	0.3	0.52	0.8	1.79	3.22	4.56
4	5	52.51	30.62	14.53	2.28	0.06	0	0	0	0	0
4	6	0.27	2.09	11.8	17.18	6.22	4.54	4.56	4.82	5.19	6.19
4	7	0.91	0.71	2.38	6.97	2.86	3.02	2.68	2.11	1.07	2.08
4	8	7.27	1.62	3.31	6.1	10.96	16.42	16.49	13.4	9.36	5.78
4	9	0.05	0.32	0.92	1.86	3.34	4.65	5.96	7.23	8.36	8.54
4	10	0.09	0.21	0.68	3.02	5.36	4.42	5.17	6.11	6.19	7.22
4	11	0.07	0.11	0.76	1.19	1.75	3.44	5.4	8.69	12.21	16.45
4	12	0.01	0.04	0.15	0.98	2.42	4.15	9.43	24.63	30.72	17.97
4	13	0.44	0.2	0.75	1.71	3.94	5.8	6.43	7.08	6.32	4.38
5	4	0.37	0.14	0.18	0.34	0.85	1.64	1.92	2.63	3.7	5.26
5	5	43.07	43.92	11.32	1.23	0.12	0.07	0.04	0.04	0.03	0.04
5	6	1.34	2.98	10.6	18.48	9.19	7.6	6.11	4.95	5.22	5.57
5	7	1.63	0.9	1.59	2.63	2.46	3.18	3.49	4.23	2.81	2.62
5	8	5.87	2.4	4.97	8.84	12.69	13.08	12.01	11.05	9.85	6.98
5	9	0.2	0.49	1.41	2.85	4.72	5.91	6.86	7.63	7.78	7.45
5	10	0.23	0.26	0.55	1.62	2.72	4.74	5.85	6.64	7.43	7.22
5	11	1.66	0.28	0.55	1.02	1.31	2.13	3.36	4.94	7.42	10.6
5	12	0.04	0.06	0.24	0.85	1.75	3.24	9.36	24.87	31.07	17.48
5	13	1.72	0.32	0.73	1.38	3.46	5.87	6.27	7.99	6.93	5.92
6	4	0	0	0.02	0.12	0.35	0.54	0.56	2.82	4.88	6.42
6	5	48.88	35.54	13.91	1.61	0.05	0	0	0	0	0
6	6	0.13	7.92	33.33	11.21	5.03	6.03	5.7	5.21	5.17	4.42
6	7	0.04	0.64	4.48	1.49	0.55	0.71	0.86	0.48	1.08	1.38
6	8	2.25	1.5	3.76	14.56	22.3	17.92	11.97	7.97	6.17	4.71
6	9	0.06	1.54	4.55	10.54	10.66	7.04	4.92	4.33	4.17	4.14
6	10	0.1	0.27	1.57	8.7	9.18	7.49	5.62	5.15	4.66	6.03
6	11	0.14	1.59	19.41	16.43	2.65	1.7	2.11	1.22	1.37	2.63
6	12	0.01	0.1	3.08	11.45	8.6	7.52	14.54	22.6	17.28	10.62
6	13	0.39	0.65	3.69	6.64	11.97	13.08	18.17	14.85	7.55	2.06
8	4	0.03	0.02	0.31	0.61	0.82	1.19	1.83	4.08	6.55	8.06
8	5	48.9	37.77	11.52	1.72	0.09	0	0	0	0	0
8	6	1.7	15.6	25.33	7.82	5.19	3.97	3.79	4.19	4.37	3.68
8	7	38.61	1.6	3.01	4.06	3.03	1.37	1.32	1.82	1.84	2.22
8	8	4.19	3.48	8.74	13.61	15.12	13.52	11.71	9.22	6.21	4.39
8	9	0.84	3.52	8.32	13.14	11.81	9	5.59	4.8	4.45	3.93
8	10	0.23	0.86	5.2	12.11	9.42	8.7	7.72	6.27	5.4	4.4

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		6000	8000	10000	12000	14000	16000	18000	20000	22000	24000
8	11	52.17	1.58	2.37	1.58	2.77	5.93	4.35	0.79	0	5.53
8	12	0.06	0.2	0.87	4.98	6.04	9.92	28.67	32.48	11.21	3.81
8	13	1.81	2.05	2.44	6.71	8.61	9.11	10.53	11.76	12.03	9.38
10	4	4.02	2.05	4.1	3.4	4.1	4.69	4.44	5.47	6.96	8.13
10	5	31.85	13.44	16.1	15.44	10.27	6.69	3.39	1.44	0.62	0.26
10	6	4.58	10.6	10.07	12.19	12.07	9.48	6.45	4.72	4.13	3.69
10	7	4.17	2	0.84	1.75	0.93	2.86	2.09	2.13	3.5	3.35
10	8	20.2	7.5	11.73	13.65	12.25	10.07	6.85	4.61	3.36	2.4
10	9	2.51	4.41	9.22	9.36	9.74	7.76	5.31	4.24	3.78	3.86
10	10	5.23	1.12	3.18	6.19	6.72	7.05	6.56	4.98	4.91	5.25
10	11	100	0	0	0	0	0	0	0	0	0
10	12	0.81	1.02	1.54	5.21	20.77	30.46	13.27	10.67	8.58	5.17
10	13	47.22	6.37	5.56	6.97	5.43	5.12	3.04	1.92	1.92	1.59
19	4	2.34	0.87	2.03	3.65	3.76	3.99	5.25	7.35	11.35	13.96
19	6	2.74	4.01	8.2	9.16	7.98	7.9	7.67	7.67	8.58	8.59
19	7	5.8	2.44	1.56	1.19	0.81	1.55	1.48	2.28	2.87	3.25
19	8	10.49	5.62	6.37	7.4	10.83	12.08	10.51	8.18	6.47	4.92
19	9	1.17	2.43	5.04	7.63	9.76	9.33	7.02	5.29	4.62	4.68
19	10	1.03	0.84	1.57	3.25	6.02	8.94	9.44	8.91	8.26	7.16
19	11	24.69	0.79	0.94	1.42	2.36	5.03	0.16	2.99	6.6	4.24
19	12	0.4	0.46	1.17	3.49	7.46	9.8	14.85	17.16	16.49	11.68
19	13	2.47	1.22	1.46	1.58	2.13	2.04	2.96	3.55	4.04	3.94
20	4	0	0.01	0.08	0.21	0.34	0.53	0.83	1.4	2.18	3.91
20	5	50.83	37.36	10.42	1.32	0.06	0	0	0	0	0
20	6	0.96	12.08	22.63	5.63	6.68	4.74	3.9	4.26	5	5.39
20	7	0.13	0.88	2.21	4.4	6.79	3.03	1.5	1.32	1.34	1.39
20	8	4.35	1.8	5.37	14.51	17.9	15.33	10.13	8.5	7.35	5.65
20	9	0.18	0.93	2.4	4.84	5.9	6.09	6.65	7.44	7.51	6.74
20	10	0.1	0.48	2.61	12.15	12.42	10.6	7.95	5.85	4.65	4.44
20	11	0.14	1.52	5.29	7.25	14.82	16.43	11.4	7.69	9.14	10.13
20	12	0.01	0.07	0.26	1.26	2.23	4.89	17.75	40	23.78	6.84
20	13	0.85	0.96	1.65	4.07	9.1	6.24	9.33	6.92	9.09	4.95
26	4	0.01	0.06	0.38	1.49	2.9	3.56	3.76	5.07	7.37	10.99
26	5	25.59	45.56	24.27	4.43	0.15	0	0	0	0	0
26	6	3.02	16.66	14.38	6.48	6.95	7.52	6.16	5.39	5.44	5.13
26	7	0.52	2.69	3.78	3.98	3.58	3.52	3.17	3.25	3.72	4.67
26	8	1.25	3.66	11.82	18.84	16.36	11.57	9.03	7.7	6.58	5.23
26	9	0.7	2.12	5.14	8.03	8.46	7.8	7.33	6.69	5.95	5.27

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		6000	8000	10000	12000	14000	16000	18000	20000	22000	24000
26	10	0.27	1.05	3.14	6.09	8.61	6.9	5.23	4.52	4.55	5.41
26	11	0.7	0.13	0.52	0.52	1.87	2.73	3.52	12.42	17.36	15.88
26	12	0.05	0.18	0.91	4.04	8.79	12.22	21.72	21.12	9.36	4
26	13	0.8	2.77	5.95	7.64	6.59	4.06	2.21	1.82	2.51	3.79
32	4	0	0	0.01	0.22	1.22	1.53	1.73	2.55	4.47	8.48
32	5	35.63	22.86	20.25	10.48	5.51	2.94	1.33	0.57	0.28	0.08
32	6	0.9	8.1	17.69	11.69	10.99	7.36	4.23	4.19	4.39	4.11
32	7	0.04	0.55	1.63	2.89	6.44	4.75	3.41	2.22	2.54	2.69
32	8	1.05	2.7	6.57	13.93	17.32	14.35	11.86	10.23	7.61	4.95
32	9	0.04	0.49	1.67	2.76	3.92	4.68	5.21	5.9	6.41	6.79
32	10	0.52	2.22	2.04	4.57	9.13	15.84	11.26	8.86	6.46	4.89
32	11	0.3	0.95	4.86	10.41	4.23	0.8	0.8	0.67	0.97	2.01
32	12	0.02	0.06	0.5	2.38	3.8	7.85	22.59	33.72	18.45	6.93
32	13	2.43	10.03	13.89	9.17	9.65	5.73	3.77	4.92	5.17	5.01
37	4	1.63	0.8	1.36	1.81	2.31	2.63	2.89	4.25	7.56	11.55
37	6	5.34	16.14	20.46	13.02	7.63	6.24	5.15	4.43	4.01	3.64
37	7	3.55	0.93	1.73	4.47	20.09	20.61	6.72	3.86	3.94	4.03
37	8	3.67	3.75	12.62	18.5	17.49	12.68	9.01	6.87	4.99	3.25
37	9	0.98	2.31	6.84	10.59	11.23	9.36	7.28	5.83	4.99	4.55
37	10	1.63	1.02	1.9	3.6	5.57	7.24	9.07	8.62	6.81	5.89
37	11	2.75	0.92	0.92	2.75	0	1.84	19.26	9.17	7.35	33.02
37	12	0.44	0.5	1.4	3.67	6.43	13.28	20.8	20.16	14.23	8.7
37	13	3.95	2.78	2.32	4.09	4.34	3.7	5.16	5.04	3.78	3.36
38	4	33.73	14.21	2.1	0.78	3.9	15.91	8.79	0.08	0.54	2.5
38	6	1.72	5.31	13.47	14.91	12.14	9.54	7.15	6.1	6.22	5.34
38	7	5.73	2.9	6.48	4.81	3.72	5.83	2.89	5.75	5.67	8.04
38	8	63.24	12.56	6.5	4.78	3.05	2.1	1.35	1.12	0.87	0.68
38	9	1.27	4.3	8.18	8.8	7.75	5.44	4.7	6.4	7.58	7.02
38	10	3.24	2.59	5.36	7.49	7.67	5.99	5.76	8.1	9.73	8.82
38	11	38.52	11.4	1.82	4.51	0.99	6.4	0.02	4.6	3.69	9.46
38	12	5.5	3.44	5.61	9.5	10.82	10.66	11.32	11.06	6.5	4.89
38	13	2.17	3.95	5.3	5.75	4.66	4.94	6.92	10.54	10.13	9.24
39	4	2.27	7.87	12.29	3.74	4.04	6.85	6.83	4.75	5	5.37
39	5	17.37	13.09	10.74	22.79	22.81	7.46	2.24	1.03	0.58	0.22
39	6	3.18	11.24	13.85	8.62	7.7	7.21	5.88	4.68	3.94	3.75
39	7	15.63	9.43	7.69	6.53	5.99	5.3	5.82	6.22	5.23	4.4
39	8	5.11	3.54	10.12	19.42	15.43	12.18	8.99	6.47	4.93	4.39
39	9	0.51	1.91	5.78	11.4	11.78	7.24	5.8	5.34	4.55	4.17

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		6000	8000	10000	12000	14000	16000	18000	20000	22000	24000
39	10	1.22	0.97	2.37	5.78	7.83	6.08	5.42	4.02	4.01	4.78
39	11	8.99	10.29	15.94	22.26	19.78	7.79	4.49	1.89	1.03	0.8
39	12	0.4	0.42	1.55	6.39	6.73	9.91	21.05	27.21	13.93	5.73
39	13	18.92	11.45	8.31	8.01	8.77	7.72	8	4.13	2.34	2.88
53	4	0.07	0.21	1.63	2.54	2.43	2.7	3.08	5.56	10.56	14.74
53	6	1.58	7.66	18.08	12.93	7.95	6.14	5.11	4.5	4.41	5.04
53	7	28.14	22.83	17.1	6.72	3.54	3.23	1.92	1.71	1.53	1.87
53	8	16.08	6.87	7.17	11.47	15.73	13.01	9.66	7.46	5.05	2.79
53	9	0.34	0.84	3.23	7.7	9.23	8.36	6.5	5.28	5.05	5.4
53	10	2.14	3.73	3.03	7.37	12.02	8.92	5.25	3.47	3.55	4.68
53	11	4.04	5.68	8.59	13.05	12.44	10.11	8.3	7.04	6.37	4.43
53	12	0.65	1.27	1.83	4.72	7.56	10.87	17.27	21.75	16.15	7.94
53	13	4.7	9	6.38	7.66	6.43	5.37	4.23	4.42	5.59	6.83
55	4	0	0	0.05	0.27	0.63	0.9	4.33	9.03	14.69	10.38
55	5	49.04	34.17	13.79	2.87	0.14	0	0	0	0	0
55	6	0.26	5.32	16.13	5.55	7.9	14.69	9.7	7.95	6.26	4.72
55	7	0	0	2.87	0	0	0	0	5.74	7.88	0
55	8	1.27	2.28	6.14	16.33	22.3	18.85	12.42	7.96	4.8	2.34
55	9	0.34	2.41	6.03	11.24	12.27	8.56	5.83	5.4	4.64	4.28
55	10	0.03	0.2	0.69	3.41	10.15	9.28	4.96	5.53	5.06	5.36
55	11	0	0	0.01	25.01	49.98	0	0	0	0	0
55	12	0	0	0.39	5.84	19.26	11.5	16.73	15.98	19.63	9.06
55	13	0.75	5.54	3.76	6.25	4.91	3.74	5.21	9.62	8.91	7.46

Table B-7. Tandem Axle Distribution, 26,000 lbs to 44,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		26000	28000	30000	32000	34000	36000	38000	40000	42000	44000
4	4	9.88	19.56	25.06	19.66	9.13	3.17	1.12	0.46	0.26	0.13
4	5	0	0	0	0	0	0	0	0	0	0
4	6	6.79	7.32	6.68	5.42	4.46	3.1	1.76	0.8	0.41	0.2
4	7	3.32	6.53	6.86	5.82	3.61	5.41	3.8	3.94	2.72	2.26
4	8	3.45	2.21	1.42	0.98	0.58	0.3	0.16	0.08	0.06	0.03
4	9	8.65	9.75	12.38	13.79	9.23	3.67	0.96	0.22	0.06	0.02
4	10	11.86	14.66	11.52	7.72	5.35	3.77	2.53	1.66	0.97	0.57
4	11	16.1	13.56	10.17	6.37	2.65	0.83	0.12	0.07	0.07	0
4	12	6.56	1.85	0.58	0.25	0.14	0.06	0.03	0.01	0	0
4	13	3.23	3.34	4.62	7	8.17	9.01	7.93	6.09	4.09	2.93
5	4	7.94	12.99	19.93	21.98	14	4.47	0.94	0.29	0.14	0.08
5	5	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0	0	0
5	6	5.27	4.95	4.1	3.83	3.51	2.46	1.59	1	0.56	0.29
5	7	2.37	2.58	2.2	1.99	3.18	2.56	2.59	2.97	4.67	4.62
5	8	4.34	2.58	1.66	1.19	0.89	0.58	0.37	0.23	0.14	0.1
5	9	7.3	7.72	9.16	11.71	10.98	5.03	1.59	0.65	0.29	0.13
5	10	7.4	8.22	8.24	7.73	7.16	6.39	5.8	4.7	2.58	1.39
5	11	12.41	12.16	9.92	9.57	8.06	6.27	3.97	2.16	1.06	0.55
5	12	7.52	2.38	0.56	0.2	0.12	0.07	0.05	0.04	0.03	0.02
5	13	4.17	3.35	3.97	5.32	7.74	9.97	10.97	7.48	3.49	1.19
6	4	11.63	19.37	22.95	18.92	8.99	2.08	0.27	0.05	0.02	0.01
6	5	0	0	0	0	0	0	0	0	0	0
6	6	4	3.37	2.55	1.87	1.31	0.92	0.65	0.48	0.36	0.18
6	7	2.88	4.27	7.23	8.38	13.35	15.24	13.72	9.38	5.92	3.15
6	8	2.66	1.31	0.8	0.71	0.59	0.37	0.18	0.12	0.06	0.04
6	9	4.35	4.91	6.41	11	14.42	5.99	0.76	0.12	0.03	0.02
6	10	8.66	8.02	8.98	8.44	7.93	5.5	1.99	0.82	0.38	0.22
6	11	2.51	2.43	5.47	11.22	15.79	9.08	3.43	0.72	0.1	0
6	12	3.52	0.56	0.06	0.02	0.02	0.01	0.01	0	0	0
6	13	1.14	1.12	1.47	2.25	2.48	1.87	1.73	2.14	1.72	1.02
8	4	9.63	13.78	22.02	18.26	9.07	2.17	0.67	0.34	0.19	0.15
8	5	0	0	0	0	0	0	0	0	0	0
8	6	3.59	3.49	3.45	3.41	3.27	2.77	1.85	1.14	0.6	0.35
8	7	1.16	2.4	2.67	2.44	2.91	2.73	4.81	6.03	5.4	3.96
8	8	3.26	2.27	1.32	0.87	0.77	0.56	0.32	0.19	0.1	0.07
8	9	3.64	3.66	4.29	7.16	9.2	4.31	1.32	0.56	0.28	0.12
8	10	4.54	5.35	5.59	6.06	5.57	4.25	3.18	1.79	0.85	0.61

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		26000	28000	30000	32000	34000	36000	38000	40000	42000	44000
8	11	7.11	1.98	3.16	3.56	5.53	1.19	0	0.39	0	0
8	12	1.39	0.31	0.04	0.02	0	0	0	0	0	0
8	13	5.48	3.32	1.92	1.48	1.62	1.87	2.24	1.97	2.09	1.32
10	4	8.92	9.88	9.35	8.04	5.91	3.66	2.37	1.52	0.95	0.69
10	5	0.21	0.16	0.09	0.02	0.01	0	0.01	0	0	0
10	6	3.36	3.14	3.2	3.2	2.51	1.75	1.18	0.82	0.66	0.56
10	7	4.37	6.85	7.36	9.54	7.78	6.87	6.3	6.72	4.39	3.33
10	8	1.59	1.15	0.81	0.58	0.49	0.47	0.44	0.41	0.37	0.31
10	9	4.69	6.15	7.2	7.17	5.69	3.84	2.3	1.28	0.69	0.36
10	10	7.33	8.03	7.54	6.27	4.39	2.95	2.21	1.83	2.05	1.67
10	11	0	0	0	0	0	0	0	0	0	0
10	12	1.97	0.45	0.07	0	0	0	0	0	0	0
10	13	2.39	2.05	1.43	2.7	1.38	1.07	0.6	0.81	0.65	0.49
19	4	12.73	10.17	7.32	5.01	3.5	2.33	1.46	1.03	0.58	0.4
19	6	7.28	5.52	4.05	3.11	2.37	1.77	1.25	0.79	0.51	0.3
19	7	3.52	3.72	4.74	6.1	8.01	9.15	9.51	7.93	7.24	5.43
19	8	3.72	2.93	2.32	1.93	1.57	1.23	0.96	0.75	0.51	0.38
19	9	5.34	6.19	6.63	6.64	5.84	4.49	3.11	1.99	1.18	0.68
19	10	6.91	6.96	6.67	6	4.96	3.89	2.78	2.02	1.35	0.95
19	11	2.83	3.62	4.87	5.35	5.35	3.77	5.03	4.25	4.87	2.99
19	12	7.22	3.99	2.17	1.54	0.82	0.52	0.28	0.2	0.14	0.06
19	13	3.77	5.37	6.39	7.17	7.22	8.94	8.32	7.15	5.81	4.01
20	4	8.31	15.82	24.24	26.78	12.83	2.25	0.25	0.03	0	0
20	5	0	0	0	0	0	0	0	0	0	0
20	6	4.76	4.89	4.42	3.41	3.05	2.74	2.22	1.46	0.96	0.45
20	7	2	3.62	6.16	8.02	12.01	11.93	9.41	6.03	6.55	5.18
20	8	3.62	1.99	1.08	0.73	0.56	0.43	0.26	0.17	0.14	0.08
20	9	6.26	6.46	7.37	10.91	13.93	5.15	0.92	0.22	0.05	0.01
20	10	4.98	5.66	5.64	5.35	4.78	4	3	2.1	1.25	0.89
20	11	6.57	5.17	3.6	0.73	0.13	0	0	0	0	0
20	12	2.25	0.54	0.09	0.02	0.01	0	0	0	0	0
20	13	3.18	3.55	3.38	4.24	5.85	5.49	6.17	6.58	4.3	2.4
26	4	14.32	16.79	15.68	10.53	4.67	1.45	0.51	0.2	0.1	0.07
26	5	0	0	0	0	0	0	0	0	0	0
26	6	4.69	3.85	3.07	2.54	2.13	1.71	1.4	1.1	0.9	0.64
26	7	4.42	4.72	4.52	5.69	5.53	5.84	6.62	6.28	5.76	4.42
26	8	3.5	1.99	1.12	0.61	0.32	0.17	0.1	0.06	0.03	0.02
26	9	5.13	5.79	7.4	9.01	7.9	4.43	1.78	0.66	0.26	0.1

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		26000	28000	30000	32000	34000	36000	38000	40000	42000	44000
26	10	7.15	8.51	9.1	8.54	6.65	4.68	3.11	2.11	1.46	1.07
26	11	7.42	11.76	10.07	6.12	3.69	3.21	0.78	0.22	0.09	0.91
26	12	2.74	2.89	3.07	2.91	2.29	1.52	0.95	0.52	0.32	0.19
26	13	5.13	6.12	7.16	8.31	8.48	7.18	5.45	4.27	3.43	2.57
32	4	22.1	29.12	17.51	7.38	2.36	0.71	0.29	0.17	0.08	0.05
32	5	0.05	0.01	0	0	0	0	0	0	0	0
32	6	4.17	4.19	4.22	4.12	3.5	2.67	1.78	0.95	0.41	0.18
32	7	2.94	5.13	7.67	7.66	11.04	12.58	12.55	7.69	3.61	1.18
32	8	3.02	1.97	1.65	1.22	0.74	0.38	0.18	0.12	0.09	0.03
32	9	7.68	9.81	14.12	16.41	10	3.43	0.54	0.09	0.03	0.01
32	10	4.86	5.38	5.47	5.54	4.65	2.9	1.78	1.26	0.89	0.68
32	11	3.48	5.2	13.45	21.28	13.01	13.41	3.08	0.42	0.26	0
32	12	2.52	0.79	0.23	0.08	0.04	0.01	0.02	0	0	0
32	13	4.6	4.35	4.81	5.59	4.77	3.1	1.69	0.81	0.34	0.12
37	4	15.03	14.75	11.87	7.49	4.79	3.18	2.03	1.27	0.88	0.6
37	6	3.01	2.45	1.9	1.47	1.22	0.99	0.79	0.6	0.44	0.3
37	7	3.85	2.95	2.08	1.39	1.34	1.64	1.86	2.15	2.2	2.33
37	8	2.09	1.44	0.94	0.67	0.46	0.35	0.27	0.23	0.19	0.13
37	9	4.58	5.18	5.91	6	4.91	3.37	2.17	1.39	0.89	0.56
37	10	5.16	5.59	5.53	5.69	5.12	4.7	4.01	3.28	2.37	1.65
37	11	13.76	2.75	0	0	1.83	0.92	0	0	2.75	0
37	12	4.76	2.38	1.26	0.68	0.37	0.25	0.17	0.11	0.11	0.08
37	13	3.66	3.07	1.75	3.14	3.35	3.86	4.93	4.56	4.62	3.61
38	4	0	8.04	0	0.02	9.31	0	0	0.09	0	0
38	6	4.3	3.97	3.01	2.48	1.74	1.27	0.6	0.34	0.24	0.07
38	7	10.49	7.04	8.59	6.57	5.14	4.7	3.56	1.24	0.5	0.26
38	8	0.57	0.42	0.26	0.21	0.16	0.34	0.19	0.24	0.28	0.25
38	9	7.57	8.68	8.46	6.41	3.97	2.03	0.88	0.35	0.12	0.05
38	10	7.82	8.24	6.79	5.63	3.25	1.88	1.14	0.3	0.06	0.07
38	11	0.58	4.61	1.16	9.89	0	0	0	0	0	1.42
38	12	5.37	5.92	3.83	3.53	1.2	0.49	0.25	0.05	0.02	0
38	13	9.92	9.48	7.64	4.56	2.66	1.34	0.39	0.18	0.1	0.05
39	4	5.91	7.41	9.97	9.65	4.7	1.63	0.67	0.37	0.19	0.14
39	5	0.57	0.46	0.31	0.21	0.11	0	0	0	0	0
39	6	3.89	4.25	4.66	4.87	4.52	3.25	2.02	1.16	0.64	0.32
39	7	4.34	4.03	4.33	3.91	3.34	2.26	1.48	1.05	0.74	0.79
39	8	3.44	2.09	1.21	0.91	0.78	0.45	0.23	0.1	0.08	0.04
39	9	4.4	5.37	6.83	8.73	9.5	4.8	1.35	0.36	0.1	0.04

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		26000	28000	30000	32000	34000	36000	38000	40000	42000	44000
39	10	7.32	10.98	11.91	7.82	4.51	3.02	2.68	2.67	2.4	1.61
39	11	0.8	1.05	1.29	1.66	0.97	0.5	0.11	0.06	0.07	0.08
39	12	2.45	1.04	0.7	0.49	0.37	0.33	0.31	0.26	0.22	0.2
39	13	3.3	2.99	2.39	2.62	2.38	2.03	1.23	0.92	0.69	0.4
53	4	16.39	15.75	11.73	6.9	3.7	1.34	0.42	0.14	0.06	0.02
53	6	5.85	5.91	5.01	4	2.59	1.47	0.8	0.46	0.22	0.14
53	7	2.27	2.05	1.89	1.14	0.97	1.03	0.45	0.38	0.37	0.3
53	8	1.66	1.1	0.67	0.45	0.32	0.24	0.13	0.07	0.03	0.02
53	9	6.42	8.13	9.58	10.1	8.13	4	1.22	0.28	0.08	0.04
53	10	6.48	8.09	8.58	8.29	6.68	3.96	1.88	0.87	0.46	0.25
53	11	2.98	2.58	2.87	3.19	3.47	2.62	1.23	0.44	0.27	0.17
53	12	3.82	2.1	1.28	0.98	0.79	0.5	0.28	0.13	0.05	0.03
53	13	7.7	8.61	8.32	6.59	4.38	2.24	0.89	0.34	0.15	0.08
55	4	15.62	20.11	14.04	7.37	2.2	0.31	0.05	0.04	0	0
55	5	0	0	0	0	0	0	0	0	0	0
55	6	5.78	3.84	3.46	2.45	1.97	1.33	1.01	0.66	0.36	0.3
55	7	1.44	11.83	6.45	8.6	13.26	9.68	15.77	13.61	0	2.87
55	8	1.99	1.28	0.6	0.49	0.27	0.15	0.15	0.1	0.05	0.2
55	9	4.39	5.19	6.77	9.45	9.09	2.85	0.85	0.29	0.09	0.03
55	10	6.09	8.11	11.33	8.51	5.8	4.94	3.48	2.01	1.35	0.97
55	11	0	0	0	0.01	24.99	0	0	0	0	0
55	12	1.61	0	0	0	0	0	0	0	0	0
55	13	6.81	7.02	9.2	7.29	4.68	2.88	1.45	1.04	0.82	0.3

Table B-8. Tandem Axle Distribution, 46,000 lbs to 64,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		46000	48000	50000	52000	54000	56000	58000	60000	62000	64000
4	4	0.07	0.04	0.02	0.01	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0
4	6	0.11	0.05	0.02	0.01	0	0	0	0	0	0
4	7	4.77	7.15	7.84	4.05	3.85	1.53	0.49	0.44	0.04	0
4	8	0.02	0	0	0	0	0	0	0	0	0
4	9	0.01	0	0	0	0	0	0	0	0	0
4	10	0.42	0.22	0.14	0.07	0.04	0.02	0	0.01	0	0
4	11	0	0	0	0	0	0	0	0	0	0
4	12	0	0	0	0	0	0	0	0	0	0
4	13	2.08	1.5	1.07	0.72	0.45	0.32	0.15	0.08	0.05	0.04
5	4	0.07	0.06	0.03	0.02	0.02	0.01	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0	0
5	6	0.15	0.09	0.05	0.03	0.02	0.01	0.01	0.01	0.01	0.01
5	7	7.45	10.88	10.9	6.27	3.93	2.66	0.83	0.12	0.46	0.34
5	8	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0	0	0
5	9	0.06	0.03	0.02	0.01	0	0	0	0	0	0
5	10	0.91	0.61	0.39	0.33	0.24	0.18	0.12	0.1	0.08	0.05
5	11	0.23	0.13	0.08	0.06	0.01	0.06	0	0	0.02	0
5	12	0.01	0.01	0.01	0.01	0	0	0	0	0	0
5	13	0.7	0.33	0.21	0.16	0.09	0.07	0.06	0.04	0.02	0.03
6	4	0	0	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0	0	0
6	6	0.07	0.04	0.02	0.01	0	0	0	0	0	0
6	7	1.89	1.24	0.99	0.35	0.24	0.05	0	0	0	0
6	8	0.02	0.01	0	0	0	0	0	0	0	0
6	9	0.01	0	0	0	0	0	0	0	0	0
6	10	0.11	0.06	0.04	0.04	0.02	0.01	0.01	0	0	0
6	11	0	0	0	0	0	0	0	0	0	0
6	12	0	0	0	0	0	0	0	0	0	0
6	13	1.15	1.1	0.71	0.37	0.2	0.1	0.09	0.05	0.04	0.03
8	4	0.11	0.06	0.01	0.02	0.01	0.01	0	0	0.01	0
8	5	0	0	0	0	0	0	0	0	0	0
8	6	0.21	0.11	0.05	0.02	0.01	0.01	0.01	0	0	0
8	7	2.41	1.53	0.81	0.49	0.14	0.35	0.48	0.06	0.19	0.15
8	8	0.04	0.02	0.01	0.01	0	0	0	0	0	0
8	9	0.04	0.01	0.01	0	0	0	0	0	0	0
8	10	0.46	0.38	0.3	0.2	0.12	0.08	0.12	0.08	0.06	0.04

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		46000	48000	50000	52000	54000	56000	58000	60000	62000	64000
8	11	0	0	0	0	0	0	0	0	0	0
8	12	0	0	0	0	0	0	0	0	0	0
8	13	0.89	0.78	0.3	0.1	0.06	0.05	0.03	0.03	0.01	0.01
10	4	0.48	0.29	0.21	0.14	0.1	0.06	0.02	0.01	0.01	0.01
10	5	0	0	0	0	0	0	0	0	0	0
10	6	0.44	0.37	0.27	0.2	0.12	0.1	0.05	0.04	0.02	0.01
10	7	1.49	4.54	1.53	0.67	1.24	0.4	0.66	0.38	1.44	0.24
10	8	0.22	0.16	0.12	0.08	0.05	0.04	0.03	0.01	0.01	0.01
10	9	0.19	0.1	0.05	0.03	0.02	0.01	0.01	0.01	0	0
10	10	1.33	0.8	0.67	0.56	0.43	0.18	0.2	0.08	0.15	0.03
10	11	0	0	0	0	0	0	0	0	0	0
10	12	0	0.02	0	0	0	0	0	0	0	0
10	13	0.18	0.29	0.36	0.18	0.13	0	0	0	0	0
19	4	0.25	0.16	0.11	0.1	0.07	0.06	0.03	0.02	0.03	0.01
19	6	0.2	0.11	0.07	0.05	0.02	0.01	0.01	0.01	0.01	0
19	7	3.96	2.66	1.52	1.17	0.82	0.4	0.23	0.23	0.14	0.07
19	8	0.26	0.17	0.11	0.08	0.05	0.05	0.03	0.02	0.02	0.01
19	9	0.39	0.22	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0
19	10	0.65	0.45	0.3	0.21	0.12	0.09	0.07	0.04	0.03	0.02
19	11	1.89	0.47	1.41	0.16	0.47	0.79	0.47	0	0.16	0.47
19	12	0.03	0.02	0.01	0.01	0.01	0.02	0	0	0	0
19	13	2.9	1.71	1.37	1.03	0.88	0.8	0.53	0.34	0.24	0.18
20	4	0	0	0	0	0	0	0	0	0	0
20	5	0	0	0	0	0	0	0	0	0	0
20	6	0.21	0.09	0.05	0.01	0.01	0	0	0	0	0
20	7	3.73	1.15	0.8	0.1	0.27	0	0.03	0	0	0
20	8	0.04	0.01	0	0	0	0	0	0	0	0
20	9	0	0	0	0	0	0	0	0	0	0
20	10	0.43	0.22	0.14	0.1	0.06	0.05	0.05	0.02	0.01	0.01
20	11	0	0	0	0	0	0	0	0	0	0
20	12	0	0	0	0	0	0	0	0	0	0
20	13	0.78	0.3	0.23	0.1	0.1	0.09	0.03	0.04	0	0
26	4	0.03	0.03	0.02	0.01	0	0.01	0	0	0	0
26	5	0	0	0	0	0	0	0	0	0	0
26	6	0.38	0.2	0.11	0.07	0.04	0.02	0.01	0.01	0	0
26	7	3.74	2.94	2.31	1.68	0.96	0.66	0.43	0.26	0.08	0.06
26	8	0.01	0	0	0	0	0	0	0	0	0
26	9	0.04	0.01	0.01	0	0	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		46000	48000	50000	52000	54000	56000	58000	60000	62000	64000
26	10	0.71	0.43	0.28	0.16	0.09	0.06	0.03	0.02	0.01	0.01
26	11	0	0	0	0	0.09	0	0	0	0	0
26	12	0.1	0.06	0.03	0.02	0.01	0.01	0	0	0	0
26	13	1.72	1	0.51	0.24	0.13	0.07	0.03	0.02	0.01	0.01
32	4	0.02	0.01	0	0	0	0	0	0	0	0
32	5	0	0	0	0	0	0	0	0	0	0
32	6	0.07	0.03	0.02	0.01	0	0	0	0	0	0
32	7	0.49	0.16	0.05	0.01	0.07	0.02	0	0	0	0
32	8	0.02	0	0	0	0	0	0	0	0	0
32	9	0	0	0	0	0	0	0	0	0	0
32	10	0.33	0.13	0.1	0.07	0.07	0.05	0.03	0	0	0
32	11	0	0	0	0.4	0	0	0	0	0	0
32	12	0	0	0	0	0	0	0	0	0	0
32	13	0.04	0.01	0.01	0	0	0	0	0	0	0
37	4	0.37	0.25	0.19	0.13	0.11	0.07	0.05	0.02	0.03	0.03
37	6	0.22	0.16	0.1	0.08	0.06	0.05	0.03	0.03	0.01	0.01
37	7	1.88	1.41	1.23	1.38	0.74	0.74	0.25	0.18	0.16	0.16
37	8	0.11	0.08	0.06	0.05	0.03	0.02	0.02	0.02	0.01	0.01
37	9	0.34	0.21	0.13	0.09	0.07	0.05	0.04	0.04	0.03	0.02
37	10	1.37	0.99	0.73	0.61	0.53	0.32	0.26	0.22	0.19	0.12
37	11	0	0	0	0	0	0	0	0	0	0
37	12	0.05	0.04	0.04	0.03	0.01	0.01	0	0	0	0
37	13	3.35	3.63	3.1	2.96	2.85	2.18	2.39	1.14	0.81	0.97
38	4	0	0	0	0	0	0	0	0	0	0
38	6	0.05	0.03	0.01	0	0	0	0	0	0	0
38	7	0.02	0.04	0	0	0.04	0	0	0	0	0
38	8	0.22	0.16	0.18	0.14	0.05	0.02	0.02	0.01	0.01	0.01
38	9	0.02	0.02	0	0	0	0	0	0	0	0
38	10	0.03	0.02	0.01	0.01	0.01	0	0	0	0.02	0
38	11	0	0.91	0	0	0	0	0	0	0	0
38	12	0	0.01	0.01	0.01	0	0	0	0	0	0
38	13	0.02	0.02	0.01	0.01	0	0	0	0	0.01	0
39	4	0.11	0.06	0.05	0.04	0.03	0.03	0.01	0.01	0	0
39	5	0	0	0	0	0	0	0	0	0	0
39	6	0.18	0.09	0.04	0.02	0.01	0.01	0	0	0	0
39	7	0.42	0.34	0.25	0.17	0.11	0.06	0.04	0.04	0.03	0.03
39	8	0.03	0.01	0.01	0.01	0.01	0	0	0	0	0
39	9	0.02	0.01	0	0	0	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		46000	48000	50000	52000	54000	56000	58000	60000	62000	64000
39	10	0.97	0.63	0.41	0.24	0.15	0.09	0.05	0.02	0.02	0.01
39	11	0.01	0.03	0	0.02	0	0.02	0.04	0.01	0	0
39	12	0.15	0.09	0.04	0.02	0.01	0	0	0	0	0
39	13	0.19	0.13	0.07	0.02	0.02	0.03	0.01	0.01	0.01	0
53	4	0.02	0	0	0	0	0	0	0	0	0
53	6	0.07	0.04	0.02	0.01	0.01	0.01	0	0	0	0
53	7	0.14	0.13	0.07	0.07	0.01	0.04	0	0.04	0.02	0
53	8	0.01	0	0	0	0	0	0	0	0	0
53	9	0.02	0.01	0.01	0.01	0	0	0	0	0	0
53	10	0.14	0.07	0.04	0.02	0.01	0.01	0	0	0	0
53	11	0.09	0.03	0.01	0	0	0	0	0	0	0
53	12	0.01	0.01	0	0	0	0	0	0	0	0
53	13	0.04	0.02	0.01	0.01	0	0	0	0	0	0
55	4	0	0	0	0	0	0	0	0	0	0
55	5	0	0	0	0	0	0	0	0	0	0
55	6	0.17	0.13	0.03	0.02	0.01	0.01	0	0	0	0
55	7	0	0	0	0	0	0	0	0	0	0
55	8	0.02	0	0	0	0	0	0	0	0	0
55	9	0.01	0	0	0	0	0	0	0	0	0
55	10	0.83	1.19	0.32	0.03	0.08	0.04	0.03	0.05	0.06	0.06
55	11	0	0	0	0	0	0	0	0	0	0
55	12	0	0	0	0	0	0	0	0	0	0
55	13	0.37	0.28	0.43	0.44	0.38	0.09	0.1	0	0.17	0

Table B-9. Tandem Axle Distribution, 66,000 lbs to 82,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)								
		66000	68000	70000	72000	74000	76000	78000	80000	82000
4	4	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0
4	6	0	0	0	0	0	0	0	0	0
4	7	0.06	0.14	0	0.04	0.04	0	0	0	0
4	8	0	0	0	0	0	0	0	0	0
4	9	0	0	0	0	0	0	0	0	0
4	10	0	0	0	0	0	0	0	0	0
4	11	0	0	0	0	0	0	0	0	0
4	12	0	0	0	0	0	0	0	0	0
4	13	0.02	0.02	0.02	0	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0
5	6	0.01	0	0	0	0	0	0	0	0
5	7	0.1	0.24	0.04	0	0.05	0.09	0.04	0.04	0.04
5	8	0	0	0	0	0	0	0	0	0
5	9	0	0	0	0	0	0	0	0	0
5	10	0.03	0.02	0.02	0.01	0	0	0	0	0
5	11	0	0	0	0	0	0	0	0	0
5	12	0	0	0	0	0	0	0	0	0
5	13	0.01	0	0	0	0.01	0.01	0	0	0
6	4	0	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0	0
6	6	0	0	0	0	0	0	0	0	0
6	7	0	0	0	0	0	0	0	0	0
6	8	0	0	0	0	0	0	0	0	0
6	9	0	0	0	0	0	0	0	0	0
6	10	0	0	0	0	0	0	0	0	0
6	11	0	0	0	0	0	0	0	0	0
6	12	0	0	0	0	0	0	0	0	0
6	13	0.03	0.03	0.06	0.02	0.01	0	0	0	0
8	4	0	0	0	0	0	0	0	0	0
8	5	0	0	0	0	0	0	0	0	0
8	6	0	0	0	0	0	0	0	0	0
8	7	0	0	0	0	0	0	0	0	0
8	8	0	0	0	0	0	0	0	0	0
8	9	0	0	0	0	0	0	0	0	0
8	10	0.02	0.01	0	0	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)								
		66000	68000	70000	72000	74000	76000	78000	80000	82000
8	11	0	0	0	0	0	0	0	0	0
8	12	0	0	0	0	0	0	0	0	0
8	13	0	0	0	0	0.01	0	0	0	0
10	4	0.01	0	0	0	0	0	0	0	0
10	5	0	0	0	0	0	0	0	0	0
10	6	0.01	0	0	0	0	0	0	0	0
10	7	0.27	0	0	0	0	0	0	0	0
10	8	0.01	0	0	0	0	0	0	0	0
10	9	0	0	0	0	0	0	0	0	0
10	10	0.02	0.03	0.01	0.02	0	0	0	0	0
10	11	0	0	0	0	0	0	0	0	0
10	12	0	0	0	0	0	0	0	0	0
10	13	0	0.05	0	0	0.08	0	0	0	0
19	4	0.01	0.01	0.01	0	0	0	0	0	0
19	6	0	0	0	0	0	0	0	0	0
19	7	0.07	0.02	0.04	0.03	0.02	0	0.01	0.01	0.01
19	8	0.01	0.01	0.01	0	0	0	0	0	0
19	9	0	0	0	0	0	0	0	0	0
19	10	0.02	0.01	0.01	0	0.01	0	0	0	0
19	11	0.47	0.16	0	0.79	0	0	0	0	0
19	12	0	0	0	0	0	0.01	0	0	0
19	13	0.16	0.06	0.09	0.02	0.02	0.02	0.01	0.01	0.01
20	4	0	0	0	0	0	0	0	0	0
20	5	0	0	0	0	0	0	0	0	0
20	6	0	0	0	0	0	0	0	0	0
20	7	0	0	0	0	0	0	0	0	0
20	8	0	0	0	0	0	0	0	0	0
20	9	0	0	0	0	0	0	0	0	0
20	10	0	0	0	0	0	0	0	0	0
20	11	0	0	0	0	0	0	0	0	0
20	12	0	0	0	0	0	0	0	0	0
20	13	0.02	0	0	0	0	0	0	0	0
26	4	0	0	0	0	0	0	0	0	0
26	5	0	0	0	0	0	0	0	0	0
26	6	0	0	0	0	0	0	0	0	0
26	7	0.09	0.02	0.01	0.03	0	0	0.02	0.01	0
26	8	0	0	0	0	0	0	0	0	0
26	9	0	0	0	0	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)								
		66000	68000	70000	72000	74000	76000	78000	80000	82000
26	10	0	0	0	0	0	0	0	0	0
26	11	0	0	0	0	0	0	0	0	0
26	12	0	0	0	0	0	0	0	0	0
26	13	0	0	0	0	0	0	0	0	0
32	4	0	0	0	0	0	0	0	0	0
32	5	0	0	0	0	0	0	0	0	0
32	6	0	0	0	0	0	0	0	0	0
32	7	0	0	0	0	0	0	0	0	0
32	8	0	0	0	0	0	0	0	0	0
32	9	0	0	0	0	0	0	0	0	0
32	10	0	0	0	0	0	0	0	0	0
32	11	0	0	0	0	0	0	0	0	0
32	12	0	0	0	0	0	0	0	0	0
32	13	0	0	0	0	0	0	0	0	0
37	4	0.02	0.02	0.01	0.01	0.01	0	0	0	0
37	6	0.01	0	0	0	0	0	0	0	0
37	7	0.1	0.02	0.06	0	0	0	0	0	0
37	8	0.01	0	0	0	0	0	0	0	0
37	9	0.01	0.01	0	0	0	0	0	0	0
37	10	0.07	0.07	0.03	0.01	0.01	0	0	0	0
37	11	0	0	0	0	0	0	0	0	0
37	12	0	0	0	0	0	0	0	0	0
37	13	0.5	0.31	0.3	0.3	0.05	0.02	0.05	0	0
38	4	0	0	0	0	0	0	0	0	0
38	6	0	0	0	0	0	0	0	0	0
38	7	0	0	0	0	0	0	0	0	0
38	8	0.01	0	0	0	0	0	0	0	0
38	9	0	0	0	0	0	0	0	0	0
38	10	0	0	0	0	0	0	0	0	0
38	11	0	0	0	0	0	0	0	0	0
38	12	0	0	0	0	0	0	0	0	0
38	13	0.01	0	0	0	0	0	0	0	0
39	4	0	0	0	0	0	0	0	0	0
39	5	0	0	0	0	0	0	0	0	0
39	6	0	0	0	0	0	0	0	0	0
39	7	0.01	0	0	0	0	0	0	0	0
39	8	0	0	0	0	0	0	0	0	0
39	9	0	0	0	0	0	0	0	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)								
		66000	68000	70000	72000	74000	76000	78000	80000	82000
39	10	0.01	0	0	0	0	0	0	0	0
39	11	0.02	0	0	0	0	0	0	0	0
39	12	0	0	0	0	0	0	0	0	0
39	13	0	0	0	0	0	0	0	0	0
53	4	0	0	0	0	0	0	0	0	0
53	6	0	0	0	0	0	0	0	0	0
53	7	0	0	0	0	0	0	0.02	0	0
53	8	0	0	0	0	0	0	0	0	0
53	9	0	0	0	0	0	0	0	0	0
53	10	0	0	0	0	0	0	0	0	0
53	11	0	0	0	0	0	0	0	0	0
53	12	0	0	0	0	0	0	0	0	0
53	13	0	0	0	0	0	0	0	0	0
55	4	0	0	0	0	0	0	0	0	0
55	5	0	0	0	0	0	0	0	0	0
55	6	0	0	0	0	0	0	0	0	0
55	7	0	0	0	0	0	0	0	0	0
55	8	0	0	0	0	0	0	0	0	0
55	9	0	0	0	0	0	0	0	0	0
55	10	0.04	0	0.03	0	0	0	0	0	0
55	11	0	0	0	0	0	0	0	0	0
55	12	0	0	0	0	0	0	0	0	0
55	13	0.09	0	0	0	0	0	0	0	0

Table B-10. Tridem Axle Distribution, 12,000 lbs to 39,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		12000	15000	18000	21000	24000	27000	30000	33000	36000	39000
4	5	50.26	36.81	11.94	0.99	0	0	0	0	0	0
4	6	3.36	66.65	19.99	3.33	3.33	0	0	3.33	0	0
4	7	0.44	0.4	0.61	0.64	1.08	1.55	1.88	4.09	9.11	15.96
4	9	28.76	32.26	10.86	4.47	3.62	3.94	4.69	1.7	2.13	3.62
4	10	1.16	5.11	8.82	4.54	3.68	4.14	5.2	6.71	11.72	17.5
4	12	0	0	0	0.01	33.32	0	0	0	0	0.01
4	13	0.5	0.78	1.9	4.24	7.3	6.58	4.46	4.69	6.5	6.65
5	5	82.93	7.32	4.88	0	2.44	2.44	0	0	0	0
5	6	62.37	2.2	2.44	3.18	3.18	2.87	4.21	1.47	3.24	2.2
5	7	0.1	0.14	0.33	0.52	0.54	0.71	1.33	2.2	3.42	5.62
5	8	21.47	0.86	0.65	1.45	1.59	2.78	3.31	5.23	5.11	8.34
5	9	19.59	6.57	8	10.13	10.14	11.64	8.92	9.1	5.31	3.92
5	10	0.95	2.4	4.75	4.87	4.39	4.27	4.84	5.76	6.92	7.55
5	12	4.5	2.66	4.85	4.93	3.1	3.97	3.19	6.37	6.33	8.82
5	13	0.35	0.58	1.41	2.17	3.07	3.43	2.49	2.46	3.38	5.18
6	5	86.12	13.88	0	0	0	0	0	0	0	0
6	6	0.01	39.99	0	0.02	59.98	0	0	0	0	0
6	7	0.13	0.28	0.58	0.99	1.79	3.96	6.67	11.12	14.64	19.27
6	9	15.88	29.73	16.43	7.2	6.27	2.42	2.18	3.67	6.29	3.26
6	10	2.59	14.52	8.42	3.63	6.42	4.33	3.94	5.45	9.4	16.27
6	13	1.47	3.42	9.88	6.62	4.89	2.13	0.9	2.49	6.07	12.88
8	5	100	0	0	0	0	0	0	0	0	0
8	6	0.02	59.98	0	0	0	0	0	0	0	0.01
8	7	0.69	1.5	0.63	0.4	0.58	0.99	2.38	5.05	6.55	11.93
8	9	23.53	45.7	8.57	5.27	3.52	2.42	1.32	0.88	2.42	0
8	10	11.84	18.55	9.91	4.01	3.4	3.06	3.54	4.51	6.72	7.43
8	12	0	0	0	0	0	0.01	29.73	21.63	48.63	0
8	13	1.23	2.28	3.36	4.65	4.29	1.91	2.68	2.24	3.44	3.42
10	6	77.78	11.11	0	0	0	0	0	0	0	11.11
10	7	0.25	0.23	0.28	0.47	0.7	1.01	1.12	1.51	1.94	2.65
10	8	31.54	1.28	1.03	0	0.77	1.8	2.05	7.95	6.16	10.26
10	9	22.79	25.23	13.48	3.85	2.5	3.52	2.26	2.52	3.37	3.51
10	10	15.2	7.63	5.11	3.91	4.72	4.4	5.17	8.18	10.62	11.08
10	13	2.81	0.07	2.52	1.37	1.73	0.65	4.47	3.25	3.03	4.19
19	6	18.74	4.72	4.54	6.13	7.7	7.97	4.68	6.9	5.4	4.02
19	7	3.43	0.66	1.1	1.69	2.33	3.43	5.66	9.28	13.58	16.95
19	8	31.1	6.47	7.46	6.96	3.24	7.96	5.72	4.97	4.23	4.97

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		12000	15000	18000	21000	24000	27000	30000	33000	36000	39000
19	9	16.52	1.22	1.16	1.3	1.73	2.77	5.72	9.54	9.73	10.93
19	10	7.57	8.76	10.06	7.32	5.33	4.54	5.21	6.66	8.68	9.99
19	12	0.72	0	0	0	3.62	5.8	15.22	11.59	13.05	21.74
19	13	3.27	1.13	2.09	3.13	4.04	4.4	4.68	6.3	9.32	13.39
20	4	0	0	0	0	0.03	99.97	0	0	0	0
20	5	74.08	25.92	0	0	0	0	0	0	0	0
20	6	0.03	99.97	0	0	0	0	0	0	0	0
20	7	0.14	0.21	0.25	0.36	1.34	1.1	1.92	2.96	4.8	10.38
20	9	8.78	15.7	7.39	8.78	8.78	10.63	15.7	7.16	6.7	3.93
20	10	4.62	18.75	10.17	3.84	3.53	3.19	3.68	4.89	5.9	7.25
20	13	1.57	4.11	4.76	8.38	5.57	4.11	5.88	8.61	5.41	5.3
26	5	76.2	23.8	0	0	0	0	0	0	0	0
26	7	0.57	1.37	1.96	3.48	6.34	8.72	10.05	10.98	11.54	11.42
26	8	1.12	0.62	0.19	0.81	2.75	7.18	11.18	16.48	13.73	11.73
26	9	18.46	5.55	4.03	3.96	5.62	3.03	1.77	2.29	5.3	5.14
26	10	11.15	9.31	6.27	4.56	4.31	4.25	4.33	5.61	8.89	11.66
26	12	1.78	0.51	2.29	5.33	4.31	0	8.63	8.89	21.32	14.97
26	13	5.64	5.47	4.27	2.38	1.45	1.5	2.64	5.55	10.17	14.94
32	5	33.34	11.12	33.33	22.21	0	0	0	0	0	0
32	7	0.69	3.28	5.99	4.58	7.36	4.52	6.81	9.05	11.45	14.5
32	8	0.03	99.97	0	0	0	0	0	0	0	0
32	9	17.46	26.52	11.54	10.35	8.09	8.18	4.44	2.56	1.97	0.59
32	10	5.69	6.99	8.4	5.73	4.09	3.55	3.94	7.96	17.29	19.82
32	12	0	0.04	0.44	0.8	0.95	3.5	4.02	19.69	24.25	27.37
32	13	24.01	6.33	0.81	0.46	0.76	1.42	2.55	3.74	8.96	20.95
37	6	69.27	2.61	6.25	0	2.08	0	2.6	2.08	3.64	0
37	7	0.82	0.7	0.93	1.85	3.22	3.97	4.69	5.76	9.12	12.49
37	8	0.87	0.56	2.5	0.21	1.35	2.22	1.7	0.87	2.5	4.27
37	9	35.98	13.73	11.32	4.04	2.78	4.64	5.07	4.73	4.23	2.69
37	10	8.06	11.16	11.92	8.32	5.9	5.29	5.59	5.99	7.42	8.47
37	12	0	0	0	0.58	0	0.29	0.01	22.67	17.74	34
37	13	1.7	1.72	1.75	1.07	1.26	1.4	1.81	3.03	4.29	6.84
38	4	26.02	13.29	5.69	1.66	1.96	1.71	12.02	6.41	8.52	3.36
38	6	9.45	90.55	0	0	0	0	0	0	0	0
38	7	4.36	1.78	3.11	4.54	3.87	7.24	11.63	16.37	12.86	11.74
38	8	23.18	0.92	0.88	5	0.96	13.26	3.24	2.12	3.26	3.24
38	9	71.12	11.17	6.62	3.22	1.11	0.96	0.29	0.48	0.24	0.26
38	10	11.22	7.45	5.18	3.88	5.53	10.03	12.53	11.63	9.49	7.47

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		12000	15000	18000	21000	24000	27000	30000	33000	36000	39000
38	11	52.24	0	0	0	0	0	0	0.01	26.86	7.46
38	12	1.39	20.73	0.41	0.59	13.02	2.95	15.46	31.91	3.46	2.35
38	13	8.29	10.4	7.49	5.73	7.83	14.63	13.75	11.79	9.09	5.92
39	4	69.09	1.82	0.91	1.82	1.82	0.91	11.81	1.82	5.45	0
39	6	58.91	3.11	1.49	0.76	0.89	1.15	2.61	4.03	6.34	6.92
39	7	2.85	0.55	0.99	1.43	2.04	2.78	4.44	5.85	8.98	12.34
39	8	6.1	2.6	2.73	2.36	1.96	4.01	2.83	4.52	6.17	4.59
39	9	7.33	2.76	2.13	1.79	1.5	1.22	2.36	4.18	5.04	5.62
39	10	9.37	10.74	6.81	3.35	2.45	2.47	3.01	4.07	7.21	13.78
39	11	18.22	4.13	3.94	1.81	1.29	5.57	5.31	8.52	6.6	4.06
39	12	6.61	5.24	2.05	12.75	5.92	4.33	7.06	3.42	5.92	10.7
39	13	25.05	7.4	9.25	5.55	2.8	3.26	2.09	2.27	3.5	3.03
53	6	99.58	0	0	0.37	0.05	0	0	0	0	0
53	7	3.64	2.04	1.87	2.07	2.81	4.24	7.75	11.6	15.28	17.31
53	8	33.01	16	8	6	6	6	3	6	8	0
53	9	33.91	7.07	4.19	3.2	3.76	6.95	15.4	7.99	3.05	4.37
53	10	9.47	13.43	8.72	4.34	2.78	2.85	3.8	6.35	10.56	14
53	11	1.26	2.26	5.59	8.32	8.07	16.62	17.85	5.26	5.52	7.21
53	12	4.73	4.89	6.05	5.24	3.24	3.54	3.85	6.62	11.65	15.63
53	13	6.15	5.58	3.27	2.1	2.88	4.54	7.82	12.75	15.84	15
55	5	100	0	0	0	0	0	0	0	0	0
55	6	0	0	0	0	0.03	99.97	0	0	0	0
55	7	0.21	0.53	1.23	3.01	4.36	3.76	4.98	6.05	9.19	13.79
55	9	25.72	25.71	25.71	8.57	8.57	0	0	0	0	5.71
55	10	15.03	17.56	5.98	2.57	3.33	2.99	3.76	3.98	7.07	10.19
55	13	0.41	1.82	3.8	5.9	7.67	4.94	2.28	1.57	2.28	2.82

Table B-11. Tridem Axle Distribution, 42,000 lbs to 69,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		42000	45000	48000	51000	54000	57000	60000	63000	66000	69000
4	5	0	0	0	0	0	0	0	0	0	0
4	6	0	0	0	0	0	0	0	0	0	0
4	7	21.92	23.7	10.58	4.56	2.15	0.55	0.39	0.19	0.07	0.14
4	9	0.21	0.74	0.64	1.06	0	0	0	0	0	0
4	10	14.21	7.15	4.03	2.8	1.82	0.86	0.32	0.1	0.05	0.04
4	12	33.32	0	0	0.01	33.32	0	0	0	0	0
4	13	6.99	9.55	14.53	11.58	8.17	3.44	1.4	0.34	0.28	0.05
5	5	0	0	0	0	0	0	0	0	0	0
5	6	3.36	1.47	1.77	0.55	0.37	0	1.71	2.38	0	0.24
5	7	8.28	15.45	23.49	21.38	10.31	3.82	1.09	0.45	0.16	0.09
5	8	7.33	6.81	8.62	8.26	5.81	2.46	2.13	1	1.08	0.96
5	9	3.04	1.32	0.69	0.82	0.4	0.2	0.2	0	0	0
5	10	6.84	7.18	8.38	9.04	9.26	6.99	3.89	1.15	0.28	0.12
5	12	10.48	8.07	5.46	9.6	7.42	2.75	0.66	3.23	0.74	0.18
5	13	7.71	12.31	14.52	12.52	11.2	8.16	4.85	2.08	0.88	0.45
6	5	0	0	0	0	0	0	0	0	0	0
6	6	0	0	0	0	0	0	0	0	0	0
6	7	19.02	10.78	4.01	2.78	2.41	0.82	0.46	0.06	0.13	0.04
6	9	2.64	1.47	0.59	1.03	0.88	0.05	0	0	0	0
6	10	17.11	4.99	0.91	0.62	0.56	0.53	0.22	0.05	0.01	0.01
6	13	9.64	9.76	11.69	5.53	8.35	1.55	1.93	0.24	0.44	0.14
8	5	0	0	0	0	0	0	0	0	0	0
8	6	19.99	0.01	19.99	0	0	0	0	0	0	0
8	7	18.37	20.28	13.4	7.52	3.31	1.65	1.4	1.37	0.75	0.53
8	9	1.1	1.1	0.44	1.98	0.66	0.44	0.66	0	0	0
8	10	5.66	4.36	3.76	3.08	3.05	3.01	1.88	1.24	0.55	0.24
8	12	0	0	0	0	0	0	0	0	0	0
8	13	5.17	7.81	13.9	15.66	10.27	7.23	5.26	3.28	1.01	0.53
10	6	0	0	0	0	0	0	0	0	0	0
10	7	3.62	6.46	11.12	15	17.42	14.96	10.1	6.01	2.81	1.29
10	8	13.08	9.49	10.77	1.03	1.79	0.51	0.51	0	0	0
10	9	2.78	3.23	3.43	1.92	1.03	0.82	0.6	0.66	0.44	0.55
10	10	8.59	4.94	2.79	2.27	1.92	1.12	0.96	0.57	0.36	0.3
10	13	5.85	10.75	8.01	10.68	10.75	7.86	6.42	4.76	2.31	3.53
19	6	3.18	4.95	3.07	4.18	3.27	3.02	1.93	0.98	0.89	1.29
19	7	14.77	10.45	6.74	3.92	2.37	1.4	0.82	0.51	0.31	0.2
19	8	3.23	2.74	2.98	2.98	1	1.24	0.25	0.5	0	1.99

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		42000	45000	48000	51000	54000	57000	60000	63000	66000	69000
19	9	9.12	7.43	5.76	4.18	3.1	2.27	1.7	1.79	0.96	0.58
19	10	8.93	6.54	4.16	2.34	1.37	0.86	0.55	0.37	0.24	0.16
19	12	12.32	10.14	0.72	0	0	1.45	1.45	0.72	0	0
19	13	13.27	10.56	7.34	4.99	3.7	2.4	1.89	1.37	1.02	0.6
20	4	0	0	0	0	0	0	0	0	0	0
20	5	0	0	0	0	0	0	0	0	0	0
20	6	0	0	0	0	0	0	0	0	0	0
20	7	24.46	30.16	15.26	5	1.22	0.34	0.07	0.02	0	0
20	9	3	0	1.15	0.46	0	0.69	1.15	0	0	0
20	10	7.28	5.35	4.61	4.43	4.69	4.1	2.58	0.72	0.25	0.09
20	13	5.69	7.41	7.2	7.18	6.29	5.83	3.87	1.48	0.65	0.25
26	5	0	0	0	0	0	0	0	0	0	0
26	7	10.6	8.41	5.98	3.91	2.32	1.33	0.62	0.25	0.09	0.03
26	8	10.74	12.79	4.06	3.62	2.43	0.37	0.19	0	0	0
26	9	9.95	9.37	9.38	8.08	6.04	1.57	0.25	0.12	0.1	0
26	10	10.19	7.1	4.5	2.96	2.11	1.26	0.68	0.35	0.21	0.12
26	12	11.17	9.64	6.6	3.3	0	0	0	1.27	0	0
26	13	15.52	10.92	6.49	4.63	3.39	2.25	1.33	0.72	0.34	0.17
32	5	0	0	0	0	0	0	0	0	0	0
32	7	11.15	8.03	5.7	3.32	2.54	0.92	0.11	0	0	0
32	8	0	0	0	0	0	0	0	0	0	0
32	9	1.97	3.75	0.79	1.77	0	0	0	0	0	0
32	10	9.2	3.52	1.59	0.97	0.64	0.39	0.16	0.04	0.02	0
32	12	13.78	3.24	0.44	0.8	0.44	0.25	0	0	0	0
32	13	19.93	7.84	1.65	0.29	0.12	0.08	0.05	0.01	0.01	0
37	6	0	1.56	2.6	0	0	0	0	0	2.6	0
37	7	13.97	12.63	9.82	7.01	5.34	3.09	1.84	1.16	0.6	0.44
37	8	8.74	8.56	10.16	10.51	10.26	7.97	5.72	8.15	4.47	3.12
37	9	2.71	3.5	0.45	0.67	0.29	0.29	0.74	1.12	0	0.38
37	10	6.29	5.13	3.44	2.57	1.57	0.97	0.62	0.46	0.31	0.17
37	12	12.79	11.04	0.29	0.58	0	0	0	0	0	0
37	13	9.22	10.63	12.33	12.17	10.91	7.43	5.14	3.25	1.64	1.02
38	4	2.34	2.96	4.1	4.11	2.58	3.19	0.04	0	0	0.04
38	6	0	0	0	0	0	0	0	0	0	0
38	7	11.86	5.14	2.84	2.21	0.33	0	0.14	0	0	0
38	8	1.08	1.32	1.12	5.72	22.41	1.3	0.67	9.76	0.26	0.32
38	9	0.78	0.48	0.95	0.91	0.73	0.42	0	0.14	0.07	0.07
38	10	6.01	4.36	2.8	1.42	0.66	0.3	0.04	0.01	0	0

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		42000	45000	48000	51000	54000	57000	60000	63000	66000	69000
38	11	0	3.24	3.48	6.72	0	0	0	0	0	0
38	12	6.46	0.51	0	0.58	0	0	0	0	0	0.18
38	13	2.46	1.37	0.66	0.52	0.06	0	0	0	0	0
39	4	3.63	0	0.91	0	0	0	0	0	0	0
39	6	6.14	3.97	1.13	0.87	0.75	0.41	0.49	0.02	0.04	0
39	7	13.37	12.98	11.78	8.44	5.41	3.05	1.52	0.71	0.24	0.09
39	8	16.95	18	12.2	5.06	4.31	2.83	0.57	1.52	0.71	0
39	9	11.22	17.64	15.45	5.92	6.15	4.86	2.47	1.2	0.52	0.25
39	10	13.11	8.76	6.03	3.84	2.48	1.37	0.65	0.3	0.1	0.05
39	11	3.36	6.6	6.93	7.19	4.9	5.16	2.58	1.51	1.88	0.44
39	12	5.7	14.35	7.97	3.64	0.91	0.23	1.37	0	0	1.82
39	13	3.51	3.13	4.83	4.67	8.31	5.32	3.03	1.9	0.58	0.2
53	6	0	0	0	0	0	0	0	0	0	0
53	7	14.25	9.32	4.34	2.01	0.89	0.47	0.02	0.05	0.02	0.01
53	8	2	0	4	2	0	0	0	0	0	0
53	9	4.94	2.31	1.31	0.86	0.46	0.17	0.06	0.01	0	0
53	10	12.26	7.01	2.8	0.94	0.36	0.16	0.09	0.05	0.02	0.01
53	11	7.04	4.75	4.57	3.44	1.01	0.65	0.28	0.16	0.05	0
53	12	14.64	10.32	5.33	2.27	0.88	0.46	0.3	0.13	0.12	0.09
53	13	11.07	6.62	3.07	1.31	0.76	0.49	0.33	0.22	0.12	0.05
55	5	0	0	0	0	0	0	0	0	0	0
55	6	0	0	0	0	0	0	0	0	0	0
55	7	15.19	12.59	10.3	6.8	4.56	1.98	0.93	0.22	0	0.11
55	9	0	0	0	0	0	0	0	0	0	0
55	10	9.51	6.16	5.67	2.9	1.58	0.66	0.32	0.37	0.21	0.14
55	13	4.26	5.39	6.98	9.42	14.04	11.13	8.04	2.75	2.03	1.53

Table B-12. Tridem Axle Distribution, 72,000 lbs to 102,000 lbs

St. Co.	Veh. Class	Axle Bin Weights (pounds)										
		72000	75000	78000	81000	84000	87000	90000	93000	96000	99000	102000
4	5	0	0	0	0	0	0	0	0	0	0	0
4	6	0	0	0	0	0	0	0	0	0	0	0
4	7	0	0	0	0.01	0	0	0	0	0	0	0
4	9	0	0	0	0	0	0.32	0	0	0	0.64	0
4	10	0.01	0.01	0	0	0	0	0	0	0	0	0
4	12	0	0	0	0	0	0	0	0	0	0	0
4	13	0.04	0.03	0.02	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0	0	0
5	6	0.12	0.18	0.12	0	0.18	0	0.18	0	0	0	0
5	7	0.04	0.06	0.03	0.05	0.06	0.07	0.06	0.05	0.05	0.04	0.03
5	8	0.96	0.59	0.64	0.78	0.47	0.41	0.38	0.09	0.08	0.12	0.04
5	9	0	0	0	0	0	0	0	0	0	0	0
5	10	0.06	0.03	0.02	0.01	0.01	0.01	0.01	0	0	0	0
5	12	0.61	1.35	0.61	0	0.04	0	0	0.09	0	0	0
5	13	0.26	0.2	0.1	0.06	0.03	0.03	0.03	0.04	0.01	0.03	0.01
6	5	0	0	0	0	0	0	0	0	0	0	0
6	6	0	0	0	0	0	0	0	0	0	0	0
6	7	0.01	0.03	0	0	0	0	0	0	0	0	0
6	9	0	0	0	0	0	0	0	0	0	0	0
6	10	0.01	0	0	0	0	0	0	0	0	0	0
6	13	0	0	0	0	0	0	0	0	0	0	0
8	5	0	0	0	0	0	0	0	0	0	0	0
8	6	0	0	0	0	0	0	0	0	0	0	0
8	7	0.39	0.22	0.05	0.05	0	0	0	0	0	0	0
8	9	0	0	0	0	0	0	0	0	0	0	0
8	10	0.11	0.04	0.03	0.01	0.01	0	0	0	0	0	0
8	12	0	0	0	0	0	0	0	0	0	0	0
8	13	0.1	0.07	0.12	0.01	0.07	0	0	0	0	0	0
10	6	0	0	0	0	0	0	0	0	0	0	0
10	7	0.51	0.28	0.1	0.06	0.04	0.02	0.01	0.01	0.01	0	0
10	8	0	0	0	0	0	0	0	0	0	0	0
10	9	0.7	0.25	0.15	0.09	0.18	0	0.12	0	0	0	0
10	10	0.09	0.03	0.02	0	0	0.02	0.02	0	0	0	0
10	13	2.24	0.58	1.37	0	0.29	0	0.5	0	0	0	0
19	6	1.02	0.2	0.2	0.16	0.2	0	0.27	0.36	0	0	0
19	7	0.14	0.08	0.05	0.04	0.02	0.02	0.02	0	0	0	0
19	8	0	0	0	0	0	0	0	0	0	0	0

St. Co.	Veh. Class	Axle Bin Weights (pounds)										
		72000	75000	78000	81000	84000	87000	90000	93000	96000	99000	102000
19	9	0.75	0.46	0.3	0.39	0.13	0.03	0.18	0.08	0.06	0	0.02
19	10	0.12	0.08	0.06	0.03	0.03	0.02	0.01	0.01	0	0.01	0
19	12	0	0	1.45	0	0	0	0	0	0	0	0
19	13	0.39	0.23	0.15	0.11	0.07	0.05	0.03	0.02	0.02	0.01	0.01
20	4	0	0	0	0	0	0	0	0	0	0	0
20	5	0	0	0	0	0	0	0	0	0	0	0
20	6	0	0	0	0	0	0	0	0	0	0	0
20	7	0	0	0	0	0	0	0	0	0	0	0
20	9	0	0	0	0	0	0	0	0	0	0	0
20	10	0.04	0.01	0.01	0	0	0	0	0	0	0	0
20	13	0.16	0.15	0.1	0.03	0	0	0	0	0	0	0
26	5	0	0	0	0	0	0	0	0	0	0	0
26	7	0.03	0.01	0.01	0	0	0	0	0	0	0	0
26	8	0	0	0	0	0	0	0	0	0	0	0
26	9	0	0	0	0	0	0	0	0	0	0	0
26	10	0.05	0.04	0.02	0.01	0.01	0.01	0.01	0	0	0	0
26	12	0	0	0	0	0	0	0	0	0	0	0
26	13	0.11	0.05	0.04	0.02	0.01	0.01	0.01	0	0	0.01	0
32	5	0	0	0	0	0	0	0	0	0	0	0
32	7	0	0	0	0	0	0	0	0	0	0	0
32	8	0	0	0	0	0	0	0	0	0	0	0
32	9	0	0	0	0	0	0	0	0	0	0	0
32	10	0	0	0	0	0	0	0	0	0	0	0
32	12	0	0	0	0	0	0	0	0	0	0	0
32	13	0	0	0	0	0	0	0	0	0	0	0
37	6	2.6	1.04	0	0	0	0	1.04	0	0	0	0
37	7	0.32	0.06	0.06	0.03	0.08	0.05	0	0	0	0	0
37	8	1.39	0.73	1.56	0.9	0	0	0	0	0	0	0.1
37	9	0.36	0	0.28	0	0	0	0	0	0	0	0
37	10	0.13	0.05	0.06	0.03	0.02	0.02	0	0	0	0	0
37	12	0	0	0	0	0	0	0	0	0	0	0
37	13	0.59	0.21	0.2	0.23	0.07	0	0.01	0.03	0	0	0.03
38	4	0	0	0	0	0	0	0	0	0	0	0
38	6	0	0	0	0	0	0	0	0	0	0	0
38	7	0	0	0	0	0	0	0	0	0	0	0
38	8	0	0	0	0	0	0	0	0	0	0	0
38	9	0	0	0	0	0	0	0	0	0	0	0
38	10	0	0	0	0	0	0	0	0	0	0	0

St. Co.	Veh. Class	Axle Bin Weights (pounds)										
		72000	75000	78000	81000	84000	87000	90000	93000	96000	99000	102000
38	11	0	0	0	0	0	0	0	0	0	0	0
38	12	0	0	0	0	0	0	0	0	0	0	0
38	13	0	0	0	0	0	0	0	0	0	0	0
39	4	0	0	0	0	0	0	0	0	0	0	0
39	6	0	0	0	0	0	0	0	0	0	0	0
39	7	0.07	0.03	0	0.05	0.02	0	0	0	0	0	0
39	8	0	0	0	0	0	0	0	0	0	0	0
39	9	0.37	0	0	0	0	0	0	0	0	0	0
39	10	0.02	0.01	0.01	0	0	0	0	0	0	0	0
39	11	0	0	0	0	0	0	0	0	0	0	0
39	12	0	0	0	0	0	0	0	0	0	0	0
39	13	0.16	0.07	0	0.12	0	0	0	0	0	0	0
53	6	0	0	0	0	0	0	0	0	0	0	0
53	7	0	0	0	0	0	0	0	0	0	0	0
53	8	0	0	0	0	0	0	0	0	0	0	0
53	9	0	0	0	0	0	0	0	0	0	0	0
53	10	0.01	0	0	0	0	0	0	0	0	0	0
53	11	0	0	0.07	0	0	0	0	0	0	0	0
53	12	0.01	0.01	0	0	0	0.01	0	0	0	0	0
53	13	0.02	0.01	0	0	0	0	0	0	0	0	0
55	5	0	0	0	0	0	0	0	0	0	0	0
55	6	0	0	0	0	0	0	0	0	0	0	0
55	7	0.22	0	0	0	0	0	0	0	0	0	0
55	9	0	0	0	0	0	0	0	0	0	0	0
55	10	0.02	0	0	0	0	0	0	0	0	0	0
55	13	0.69	0	0.25	0	0	0	0	0	0	0	0

Table B-13. Quad Axle Distribution, 12,000 lbs to 39,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		12000	15000	18000	21000	24000	27000	30000	33000	36000	39000
4	5	8.18	57.13	32.64	2.04	0	0	0	0	0	0
4	7	0.04	0.04	0.17	0.1	0.12	0.15	1.18	6.69	18.75	17.69
4	9	0	0	0	0	0	0	0	0	0	0
4	10	0.25	2.88	4.53	4.5	8.68	15.11	5.96	8.24	7.41	4.47
4	13	2.21	1.22	2.5	2.68	3.87	8.62	11.09	7.98	12.58	9.2
5	5	0.01	20	19.99	0	0	0	0	0	0	0
5	7	0	0.02	0.02	0.03	0.08	0.13	0.16	0.29	0.45	0.49
5	8	93.66	1.98	0.3	0	0.3	0.74	0	0.94	0.64	0
5	9	0.16	0.06	0.06	0	0.22	1.35	0.94	1.01	2.42	3.08
5	10	0.56	0.9	2.14	4.39	7.52	6.02	3.68	3.15	2.93	3.46
5	12	18.75	12.5	0	6.25	0	0	6.25	0	0	0
5	13	3.42	1.34	1.79	2.35	2.2	2.79	2.11	2.79	2.82	5.21
6	5	0.01	33.34	66.64	0	0	0	0	0	0	0
6	7	1.28	3.85	6.41	2.56	0	1.28	0	0	12.82	10.25
6	9	0	0	0.02	49.98	0	0	0	0	0	0
6	10	7.9	14.04	19.04	5.89	7.27	3.76	4.13	4.14	8.9	7.9
6	13	3.53	1.11	2.69	5.29	7.14	3.25	7.79	6.03	11.6	21.14
8	7	0.23	0.45	0	0.11	0	0	1.36	2.72	8.83	6.57
8	10	1.06	1.4	6.05	15.1	10.28	2.09	2.14	2.51	3.06	3.57
8	13	1.6	0.96	3.2	5.43	2.24	1.92	3.51	1.92	2.56	0.64
10	7	0	0	0	0	0	0	0	0	0.02	49.98
10	8	76.42	2.27	2.27	2.84	0	0.57	0	0	0.85	0
10	9	8.04	1.54	1.31	1.12	0.82	1.08	3.58	2.43	4.07	3.28
10	10	54.14	14.81	13.29	1.27	2.23	0.88	0.48	0.64	1.04	2.79
10	13	39.83	12.28	18.86	18.56	5.39	1.8	0.3	2.1	0.9	0
19	7	12.9	3.87	1.94	7.74	10.97	9.03	3.87	8.39	5.16	8.39
19	8	6.25	4.83	1.71	8.96	4.13	7.75	5.84	6.14	3.73	8.46
19	9	2.76	0.5	0.42	0.88	1.18	1.32	1.74	2.79	4.69	8.08
19	10	4.51	3.03	6.02	10.33	11.55	9.34	6.93	6.61	6.64	6.07
19	12	50.01	24.99	0	0	0	0	0	0	0	12.5
19	13	4.87	1.19	1.21	1.23	1.07	1.07	1.94	3.79	6.54	8.56
20	5	4.79	85.69	0	9.52	0	0	0	0	0	0
20	7	0.01	0.04	0	0.01	0.07	0.15	0.17	0.85	2.37	3.06
20	9	0	0	0	0	0	0	0	0	0	0
20	10	0.96	3.67	11.85	12.62	5.09	3.1	2.82	3.13	3.31	4.89
20	13	0.1	0.26	0.43	1.58	3.52	7.83	6.78	12.07	17.36	7.46
26	7	0.31	0.17	0.19	0.47	1.35	2.39	5.01	7.59	9.15	11.61

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		12000	15000	18000	21000	24000	27000	30000	33000	36000	39000
26	9	0.25	0.1	0	0.05	0.18	0.81	1.53	3.28	3.26	5.27
26	10	0.91	2.3	4.13	4.13	3.77	6.42	7.52	4.96	4.8	4.57
26	12	0	0	0	0.03	99.97	0	0	0	0	0
26	13	0.48	1.01	2.36	2.13	1.28	0.91	0.81	1.07	1.48	1.98
32	7	0.24	2.13	4.73	19.83	14.17	10.74	5.08	3.54	1.42	4.01
32	10	0.16	0.73	1.8	0.72	1.66	0.44	0.15	0.27	0.58	4.16
32	13	1.39	1.38	1.43	1.88	1.48	0.85	1.24	1.43	3.63	2.59
37	6	0	0	0	0	0	0.62	3.43	0.62	1.56	9.34
37	7	17.39	4.35	10.87	8.69	2.17	0	4.35	0	2.17	2.17
37	8	8.34	8.33	0	8.33	0	0	0.01	24.99	8.33	0
37	9	2.15	0	0	0.43	2.16	5.17	9.48	12.07	13.37	28.44
37	10	1.04	0.54	0.38	0.63	0.85	1.19	2.53	5.11	3.59	2.88
37	13	10.2	2.58	7.52	3.97	2.63	2.63	7.37	7.93	4.38	9.43
38	7	47.6	6.46	2.62	5.63	4.35	1.04	2.15	4.91	2.07	3.28
38	8	61.25	0	1.29	0	0	1.81	1.26	2.36	0	3.87
38	9	1.23	0.73	2.34	3.74	1.14	1.81	2.2	3.22	3.4	5.4
38	10	9.12	5.46	6.13	7.49	7.76	5.23	4.89	8.34	9.8	6.73
38	11	0	0	0	0	0	0	0	0	0	0
38	12	0	0	8.34	18.3	0.47	0	0	6.38	0.59	30.08
38	13	0.86	0.89	7.18	17.08	9.42	14.63	3.19	11.91	17.66	8.31
39	5	100	0	0	0	0	0	0	0	0	0
39	7	2.46	0.04	0.06	0.11	0.32	0.72	1.98	4.72	10.36	12.71
39	8	79.03	0	0.81	10.48	0.81	0	0	0	4.84	0
39	9	1.71	0.21	0.11	0.11	0.49	0.62	1.04	1.63	2.52	4.62
39	10	2.3	0.42	0.4	0.2	0.33	0.88	2.46	5.06	4.72	8.12
39	11	0	0	0	0	0.01	24.99	0	0	0	0.02
39	12	0	0	1.39	1.39	0	2.78	0	0	0	12.5
39	13	20.84	1.71	1.93	2.19	2	1.75	1.52	2.51	4.88	3.41
53	7	2.57	0.75	0.62	1.74	1.3	1.14	1.14	1.22	1.43	2.94
53	8	0	0	0	0	0	0	0	0.03	99.97	0
53	9	100	0	0	0	0	0	0	0	0	0
53	10	0.87	2.17	2.18	1.12	1.08	1	1.06	1.53	2.52	5.15
53	11	1.56	1.56	4.69	23.44	26.56	7.81	9.37	6.25	0	1.56
53	12	6.25	9.38	19.79	4.17	2.08	3.13	6.25	1.04	3.13	4.17
53	13	2.31	5.06	4.49	2.72	2.39	1.93	1.36	1.39	2.2	3.48
55	7	0	0	0	0.03	0.02	0.17	0.17	0.38	0.6	0.62
55	13	1.01	1.55	2.32	13.7	17.03	4.43	3.7	2.62	5.63	3.68

Table B-14. Quad Axle Distribution, 42,000 lbs to 69,000 lbs

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		42000	45000	48000	51000	54000	57000	60000	63000	66000	69000
4	5	0	0	0	0	0	0	0	0	0	0
4	7	10.73	7.34	6.78	6.55	6.1	6.01	5.54	3.61	1.19	0.52
4	9	0	0	0	0	0	0	0	0	0	0
4	10	1.24	4.78	3.01	1.58	2.95	5.13	5.01	5.07	2.76	2.38
4	13	5.71	4.54	2.65	1.8	1.02	2.01	2.39	1.72	2.71	3.06
5	5	0	0.01	19.99	0	0	0	0.01	20	19.99	0
5	7	0.64	0.89	1.65	3.65	9.58	20.21	26.09	22.32	9.63	2.73
5	8	0	0	0	0.05	0	0.15	0	0	0	0
5	9	3.09	4.41	11.65	12.24	9.98	14.38	11.58	4.19	6.55	5.32
5	10	3.41	2.75	3.01	3.38	4.7	6.95	9.55	10.81	9.55	6.13
5	12	0	0.01	15.62	9.38	12.5	0	9.38	9.37	0	0
5	13	5.15	4.56	4.59	5.55	5.07	5.22	6.13	6.27	5.32	4.72
6	5	0	0	0	0	0	0	0	0	0	0
6	7	5.13	16.66	8.98	14.1	3.84	0	0	2.56	0	3.85
6	9	0	0	0	0.02	49.98	0	0	0	0	0
6	10	8.89	2.38	1.63	0.63	0.88	0.75	0.25	1	0.5	0
6	13	3.62	0.93	3.62	3.15	2.04	0	0	0	0.74	2.04
8	7	8.49	4.64	7.36	7.25	4.19	17.21	12.46	10.19	2.15	1.81
8	10	2.45	3.96	2.08	3.35	2.6	3.43	2.8	2.9	3.51	4.39
8	13	2.87	2.24	0.64	0.64	3.19	2.88	4.47	4.47	7.99	9.59
10	7	0	0	0	0	0	0	0	0	0.02	49.98
10	8	0	0	0	0	0	0.28	0	0	0	0
10	9	4.07	4.96	8.7	9.02	4	2.59	1.74	0.53	0.85	2.23
10	10	0.24	1.12	2.23	1.83	0.08	0.32	0.72	0.8	0	0
10	13	0	0	0	0	0	0	0	0	0	0
19	7	5.8	0.64	0.65	1.94	3.87	3.23	2.58	3.23	1.93	0
19	8	3.73	5.44	3.83	2.22	3.02	1.21	3.12	5.64	0.4	2.52
19	9	13.24	15.89	16.74	12.23	6.87	4.05	2.29	1.47	0.98	0.59
19	10	5.64	4.97	4.78	3.96	2.88	2.06	1.46	0.91	0.65	0.49
19	12	0	0	12.5	0	0	0	0	0	0	0
19	13	13.17	13.46	10.62	8.59	6.62	4.39	2.69	1.83	1.07	1.14
20	5	0	0	0	0	0	0	0	0	0	0
20	7	5	13.41	22.27	31.37	15.96	3.48	1.09	0.5	0.1	0
20	9	0	0	0	0	0.01	33.32	0	0	0	0
20	10	3.68	4.66	4.28	4.59	3.17	4.01	4.93	6.44	5.87	3.15
20	13	4.27	0.76	1.38	1.61	3.29	2.27	2.04	2.63	3.95	4.01
26	7	13.76	14.53	11.83	9.2	6	3.27	1.66	0.83	0.38	0.16

State Code	Vehicle Class	Axle Bin Weights (pounds)									
		42000	45000	48000	51000	54000	57000	60000	63000	66000	69000
26	9	8.73	15	16.03	14.48	11.11	7.65	4.46	3.25	2.05	1.05
26	10	3.25	2.99	4.34	5.8	6.47	6.17	5.78	5.31	4.34	3.55
26	12	0	0	0	0	0	0	0	0	0	0
26	13	2.76	4.26	6.62	8.53	9.62	9.94	9.8	9.5	8.2	6.01
32	7	6.49	7.2	7.79	4.13	5.9	2.01	0	0.59	0	0
32	10	6.14	4.16	5.44	14.14	23.9	22.08	10.51	2.6	0.25	0.04
32	13	3.67	7.21	11.55	13.27	17.24	18.43	7.72	2.61	0.54	0.1
37	6	3.74	11.53	23.36	19.62	9.35	12.46	0.31	2.49	0	0
37	7	0	2.17	4.35	10.87	4.35	6.52	4.35	6.52	2.17	0
37	8	0	8.34	16.66	8.33	8.33	0	0	0	0	0
37	9	12.07	0.86	0.86	2.59	2.15	1.72	1.72	1.29	1.72	0.43
37	10	3.74	4.04	4.04	4.79	3.79	7.37	9.56	11.39	12.32	7.37
37	13	7.88	5.67	7.47	4.79	4.79	3.35	2.16	0.57	1.75	0.36
38	7	3.36	0	0.82	0.43	0	0	2.23	13.04	0	0
38	8	0	0	1.3	12.92	0	0.39	13.55	0	0	0
38	9	2.72	13.02	3.36	0.43	0.01	28.42	0.16	0	0	0
38	10	13.56	4.56	2.3	1.24	5.11	0.25	1.27	0	0	0
38	11	0	0	0	0	14.25	85.74	0	0	0	0
38	12	29.65	2.6	0	0	0	0	0	0	0	2.99
38	13	1.88	2.38	1.69	0	1.86	0	0.63	0	0	0.27
39	5	0	0	0	0	0	0	0	0	0	0
39	7	13.1	9.35	7.56	7.6	8.31	8.32	5.02	3.07	1.51	0.92
39	8	0.81	0.81	1.61	0.81	0	0	0	0	0	0
39	9	6.43	5.04	8.21	20.45	21.67	12.01	6.33	2.98	1.67	0.87
39	10	17.09	16.29	11.46	6.63	5.15	5.06	4.81	4.92	2.1	0.73
39	11	49.98	0	0	0	0	0	0.01	24.99	0	0
39	12	4.17	0	12.5	13.89	19.44	11.11	9.72	1.39	0	6.94
39	13	4.74	9.06	14.41	11.16	6.16	4.12	3.32	2.26	0.76	0.5
53	7	3.95	9.59	15.12	16.03	12.08	7.61	7.79	5.3	4.99	1.51
53	8	0	0	0	0	0	0	0	0	0	0
53	9	0	0	0	0	0	0	0	0	0	0
53	10	9.68	16.21	21.21	17.59	9.99	4.49	1.5	0.45	0.12	0.04
53	11	4.69	1.56	0	0	0	1.56	1.56	3.13	4.68	0
53	12	6.25	9.37	8.33	10.41	0	3.12	0	1.04	1.04	0
53	13	6.74	11.58	16.36	17.7	12.26	5.27	1.79	0.49	0.18	0.1
55	7	1.29	2.83	5.96	14.84	28.23	25.44	12.49	5.53	1.3	0.03
55	13	4.88	4.25	4.87	4.43	2.98	3.99	2.91	3.63	3.13	1.55

Table B-15. Quad Axle Distribution, 72,000 lbs to 102,000 lbs

St. Co.	Veh. Class	Axle Bin Weights (pounds)										
		72000	75000	78000	81000	84000	87000	90000	93000	96000	99000	102000
4	5	0	0	0	0	0	0	0	0	0	0	0
4	7	0.22	0.14	0.02	0.09	0.07	0.05	0.01	0.02	0.02	0	0.06
4	9	0	0	0	0	0	0	0	0	0	0	0
4	10	1.27	1.62	0.41	0.51	0.25	0	0	0	0	0	0
4	13	0.23	0.58	1.19	0.52	2.21	3.7	1.22	0	0.06	0.26	0.35
5	5	0	0	0	0	0	0	0	0	0	0	0
5	7	0.72	0.16	0.03	0.02	0	0.01	0	0	0	0	0
5	8	0.45	0	0	0	0.4	0	0	0	0.4	0	0
5	9	3.37	0	0.63	0.41	0.44	0.35	0.09	0.19	0.75	0.03	0.19
5	10	2.67	1.04	0.51	0.34	0.19	0.07	0.1	0.03	0.03	0	0
5	12	0	0	0	0	0	0	0	0	0	0	0
5	13	2.36	2.63	2.13	1.9	1.32	2.05	1.77	1.41	1.58	2.27	0.55
6	5	0	0	0	0	0	0	0	0	0	0	0
6	7	6.41	0	0	0	0	0	0	0	0	0	0
6	9	0	0	0	0	0	0	0	0	0	0	0
6	10	0.12	0	0	0	0	0	0	0	0	0	0
6	13	5.47	5.29	2.97	0.19	0	0	0.37	0	0	0	0
8	7	1.47	0.91	0.68	0.9	0	0	0	0	0	0	0
8	10	3.04	3.03	4.82	3.49	3.58	1.74	0.86	0.46	0.08	0.17	0
8	13	14.69	10.54	5.75	1.28	0	2.87	1.92	0	0	0	0
10	7	0	0	0	0	0	0	0	0	0	0	0
10	8	0	0	0.85	0	1.14	2.27	0.85	0.85	1.14	0.28	0.28
10	9	2.72	1.77	2.27	3.97	2.95	5.45	3.84	3.18	1.48	1.77	1.38
10	10	0.56	0	0	0.24	0	0	0.32	0	0	0	0
10	13	0	0	0	0	0	0	0	0	0	0	0
19	7	1.29	0	0	1.93	0	0	0	0	0	0	0.64
19	8	1.51	2.01	1.41	2.11	1.21	1.31	0	0.81	0.7	0	0
19	9	0.48	0.2	0.16	0.11	0.09	0.05	0.06	0.03	0.05	0	0
19	10	0.26	0.24	0.19	0.15	0.09	0.03	0.09	0.01	0.02	0.03	0.01
19	12	0	0	0	0	0	0	0	0	0	0	0
19	13	0.83	0.78	0.62	0.5	0.54	0.4	0.16	0.26	0.22	0.18	0.15
20	5	0	0	0	0	0	0	0	0	0	0	0
20	7	0.08	0.01	0.01	0	0	0	0	0	0	0	0
20	9	0	0	0.01	33.32	0.01	33.32	0	0	0	0	0
20	10	1.82	0.92	0.59	0.16	0.06	0.12	0.06	0.06	0	0	0
20	13	5.59	3.09	2.93	1.38	0.62	0.33	0.2	0.13	0.33	0.2	0
26	7	0.09	0.03	0.01	0.01	0	0	0	0	0	0	0

St. Co.	Veh. Class	Axle Bin Weights (pounds)										
		72000	75000	78000	81000	84000	87000	90000	93000	96000	99000	102000
26	9	0.57	0.36	0.2	0.1	0.06	0	0	0	0.1	0	0.05
26	10	2.94	2.3	1.61	0.89	0.36	0.15	0.09	0.06	0.04	0.02	0.01
26	12	0	0	0	0	0	0	0	0	0	0	0
26	13	4.07	2.45	1.53	1.12	0.87	0.54	0.31	0.16	0.07	0.04	0.02
32	7	0	0	0	0	0	0	0	0	0	0	0
32	10	0.04	0.02	0.01	0	0	0	0	0	0	0	0
32	13	0.22	0	0.12	0	0	0.02	0	0	0	0	0
37	6	1.56	0	0	0	0	0	0	0	0	0	0
37	7	6.52	0	0	0	0	0	0	0	0	0	0
37	8	0	0	0	0	0	0	0	0	0	0	0
37	9	0	0	0.86	0.43	0	0	0	0	0	0	0
37	10	5.74	2.81	1.28	1.04	0.75	0.44	0.38	0.16	0.11	0.04	0.02
37	13	1.34	0.93	0	0	0.1	0	0	0	0.21	0	0
38	7	0	0	0	0	0	0	0	0	0	0	0
38	8	0	0	0	0	0	0	0	0	0	0	0
38	9	0	3.98	0.59	0	0	0	0	0	0.01	22.06	0
38	10	0	0	0	0	0.76	0	0	0	0	0	0
38	11	0	0	0	0	0	0	0	0	0	0	0
38	12	0	0	0	0	0	0.61	0	0	0	0	0
38	13	0	0	0	0	0.16	0	0	0	0	0	0
39	5	0	0	0	0	0	0	0	0	0	0	0
39	7	0.55	0.54	0.4	0.17	0.04	0.04	0.02	0	0	0	0
39	8	0	0	0	0	0	0	0	0	0	0	0
39	9	0.46	0.56	0.09	0.14	0	0	0	0	0	0	0
39	10	0.35	0.25	0.11	0.06	0.06	0	0.03	0	0	0	0
39	11	0	0	0	0	0	0	0	0	0	0	0
39	12	0	1.39	0	0	1.39	0	0	0	0	0	0
39	13	0.31	0.23	0.12	0.02	0.07	0	0	0	0	0	0
53	7	0.78	0	0.03	0	0.29	0	0.05	0	0.03	0	0
53	8	0	0	0	0	0	0	0	0	0	0	0
53	9	0	0	0	0	0	0	0	0	0	0	0
53	10	0.02	0.01	0	0	0	0	0	0	0	0	0
53	11	0	0	0	0	0	0	0	0	0	0	0
53	12	0	1.04	0	0	0	0	0	0	0	0	0
53	13	0.07	0.08	0.02	0.02	0.01	0	0.01	0.01	0	0	0
55	7	0.05	0.01	0	0	0	0	0	0	0	0	0
55	13	1.54	1.91	1.83	0.77	0	0.55	0.38	0.19	0	0.17	0

Table B-16. Section Coordinates and Elevation

State Code	SHRP ID	Latitude	Longitude	Elevation
4	0213	33.44639	-112.70996	323
4	0214	33.45256	-112.73744	328
4	0215	33.44907	-112.72188	322.2
4	0216	33.44976	-112.72496	323.9
4	0217	33.44747	-112.71472	323
4	0218	33.45152	-112.73284	327
4	0219	33.44805	-112.71724	324
4	0220	33.45079	-112.72953	323
4	0221	33.44712	-112.71305	322.6
4	0222	33.45207	-112.73523	327.5
4	0223	33.44859	-112.71979	323.9
4	0224	33.45026	-112.72719	324.9
4	0260	33.44219	-112.69119	324
4	0261	33.45308	-112.73961	326.4
4	0262	33.44591	-112.70777	323
4	0263	33.44519	-112.7046	322.7
4	0264	33.44465	-112.70224	323
4	0265	33.44419	-112.70018	323
4	0266	33.44375	-112.69803	323.5
4	0267	33.44321	-112.69573	323.2
4	0268	33.44271	-112.69352	324
5	0213	34.50536	-92.70123	140.3
5	0214	34.52304	-92.68468	126.1
5	0215	34.52874	-92.67982	139.8
5	0216	34.50742	-92.69922	131.2
5	0217	34.51267	-92.69433	130
5	0218	34.51594	-92.69125	140.6
5	0219	34.51776	-92.68929	127.6
5	0220	34.51081	-92.69624	122.9
5	0221	34.5005	-92.70532	138.2
5	0222	34.52075	-92.68654	116.3
5	0223	34.52699	-92.68134	140
5	0224	34.50928	-92.69765	121.6
6	0201	37.42847	-120.77332	35
6	0202	37.42112	-120.76425	36
6	0203	37.41486	-120.75713	38
6	0204	37.42247	-120.76603	35.3
6	0205	37.42573	-120.7708	35
6	0206	37.41862	-120.76141	36.9
6	0207	37.41734	-120.75992	37
6	0208	37.42457	-120.76934	35
6	0209	37.42705	-120.77213	35
6	0210	37.41989	-120.76286	36
6	0211	37.41607	-120.75852	37.4
6	0212	37.4235	-120.76768	35
8	0213	39.93031	-104.79714	1548

State Code	SHRP ID	Latitude	Longitude	Elevation
8	0214	39.93177	-104.7954	1549
8	0215	39.93315	-104.79373	1549
8	0216	39.92894	-104.79875	1548
8	0217	39.94068	-104.7863	1552
8	0218	39.93704	-104.78928	1552
8	0219	39.93899	-104.7876	1551
8	0220	39.94209	-104.78521	1554.1
8	0221	39.94735	-104.78092	1549
8	0222	39.94883	-104.77936	1550.9
8	0223	39.95033	-104.7778	1553.2
8	0224	39.94369	-104.78402	1555
8	0259	39.95503	-104.7728	1560
10	0201	38.84385	-75.43926	13.1
10	0202	38.85564	-75.43938	14
10	0203	38.84989	-75.43932	14.2
10	0204	38.8654	-75.43945	14
10	0205	38.84111	-75.43923	13.8
10	0206	38.85367	-75.43934	14.3
10	0207	38.85181	-75.43932	16
10	0208	38.86358	-75.43941	14.2
10	0209	38.84574	-75.43925	13
10	0210	38.85798	-75.43938	14
10	0211	38.84768	-75.43929	14.2
10	0212	38.8617	-75.43941	16
10	0259	38.86732	-75.43947	14
10	0260	38.8395	-75.43919	13
19	0213	41.62466	-93.49512	262.6
19	0214	41.62684	-93.49755	265.5
19	0215	41.61918	-93.49291	269.5
19	0216	41.62144	-93.49304	268.1
19	0217	41.60803	-93.49538	268.8
19	0218	41.61018	-93.4949	264.2
19	0219	41.61294	-93.49429	265.9
19	0220	41.61513	-93.4938	267.3
19	0221	41.63094	-93.50156	269.2
19	0222	41.63266	-93.50269	273.8
19	0223	41.63538	-93.50443	276.2
19	0224	41.63737	-93.5057	279.8
19	0259	41.6291	-93.5	266.2
20	0201	38.99239	-96.97865	354.5
20	0202	38.99205	-96.98089	355
20	0203	38.9939	-96.9677	347
20	0204	38.99361	-96.96993	342.2
20	0205	38.99143	-96.98534	356
20	0206	38.99176	-96.98312	356
20	0207	38.99113	-96.98758	356.8
20	0208	38.99081	-96.98981	356

State Code	SHRP ID	Latitude	Longitude	Elevation
20	0209	38.98999	-97.01255	341
20	0210	38.99	-97.01029	344
20	0211	38.98998	-97.00137	353.4
20	0212	38.99049	-96.99199	356
20	0259	38.98999	-97.01484	340.2
26	0213	41.75529	-83.69431	204
26	0214	41.78359	-83.69561	208.6
26	0215	41.7747	-83.69508	207
26	0216	41.76054	-83.69462	205
26	0217	41.75316	-83.6942	203.9
26	0218	41.78523	-83.69566	209
26	0219	41.78709	-83.6955	207.6
26	0220	41.7623	-83.69463	205.7
26	0221	41.75697	-83.69439	205
26	0222	41.77893	-83.69532	207
26	0223	41.77711	-83.69521	207
26	0224	41.75885	-83.6945	205
26	0259	41.78131	-83.69548	207.4
32	0201	40.71469	-117.03054	1379.9
32	0202	40.69943	-117.011	1376
32	0203	40.71052	-117.02518	1378
32	0204	40.70487	-117.01792	1377.2
32	0205	40.7161	-117.03234	1380
32	0206	40.6939	-117.00401	1377
32	0207	40.70861	-117.02273	1378
32	0208	40.70684	-117.02046	1376.8
32	0209	40.71345	-117.02895	1378.6
32	0210	40.70081	-117.01277	1376.1
32	0211	40.71202	-117.02719	1378
32	0259	40.72073	-117.03825	1381
37	0201	35.86431	-80.26884	227
37	0202	35.85891	-80.27138	220.2
37	0203	35.85334	-80.27417	214.7
37	0204	35.82255	-80.28434	234.1
37	0205	35.8606	-80.26781	219.7
37	0206	35.85711	-80.27222	217.4
37	0207	35.85174	-80.27543	221
37	0208	35.84388	-80.28166	231.1
37	0209	35.86251	-80.26966	226.3
37	0210	35.86069	-80.27055	220.7
37	0211	35.84779	-80.27901	226.1
37	0212	35.84568	-80.28074	227.1
37	0259	35.86875	-80.26496	224.7
37	0260	35.85019	-80.27684	223.6
38	0213	46.87655	-97.18475	282
38	0214	46.87655	-97.18727	281
38	0215	46.87626	-97.19458	283

State Code	SHRP ID	Latitude	Longitude	Elevation
38	0216	46.87652	-97.19127	283
38	0217	46.87652	-97.18226	281.5
38	0218	46.87656	-97.17976	281
38	0219	46.8765	-97.16986	280
38	0220	46.87657	-97.17599	280
38	0221	46.8765	-97.13793	279.4
38	0222	46.87649	-97.1352	277.4
38	0223	46.8765	-97.16639	280
38	0224	46.87652	-97.14168	279.5
38	0259	46.87656	-97.13093	279.4
38	0260	46.8749	-97.20097	283
38	0261	46.8756	-97.19799	283
38	0262	46.87655	-97.17284	280
38	0263	46.87653	-97.14843	279
38	0264	46.87654	-97.14496	279
39	0201	40.40321	-83.07401	290.2
39	0202	40.39662	-83.07389	289
39	0203	40.41445	-83.07412	289.9
39	0204	40.38467	-83.07379	289
39	0205	40.40122	-83.07391	290.4
39	0206	40.39895	-83.07395	290
39	0207	40.41644	-83.07413	290
39	0208	40.41821	-83.07416	290
39	0209	40.40511	-83.07398	290.4
39	0210	40.39237	-83.07397	291.7
39	0211	40.41034	-83.07406	290
39	0212	40.38976	-83.07376	290
39	0259	40.38203	-83.07412	289
39	0260	40.39455	-83.07384	290
39	0261	40.40724	-83.07403	290
39	0262	40.42028	-83.07418	290
39	0263	40.42283	-83.07421	290
39	0264	40.42502	-83.07415	290
39	0265	40.41229	-83.07409	290
53	0201	47.07047	-118.40955	529.4
53	0202	47.05943	-118.41384	530.2
53	0203	47.05761	-118.41567	529.8
53	0204	47.06868	-118.40958	528.1
53	0205	47.07237	-118.40974	530
53	0206	47.07724	-118.41034	533.8
53	0207	47.07937	-118.4106	533
53	0208	47.07508	-118.41007	531.6
53	0209	47.06496	-118.41043	528.5
53	0210	47.0613	-118.41236	530.2
53	0211	47.06311	-118.41125	528.9
53	0212	47.06679	-118.40988	528
53	0259	47.05616	-118.41752	527.1

State Code	SHRP ID	Latitude	Longitude	Elevation
55	0213	44.8396	-89.25584	373.5
55	0214	44.84705	-89.26206	382.7
55	0215	44.85416	-89.27174	383.3
55	0216	44.83066	-89.25008	373.4
55	0217	44.83381	-89.25318	371
55	0218	44.85094	-89.26737	382.5
55	0219	44.85237	-89.26928	382.5
55	0220	44.83215	-89.2518	372
55	0221	44.82827	-89.24567	371
55	0222	44.8456	-89.26028	382
55	0223	44.84402	-89.25871	381
55	0224	44.82936	-89.24805	372.3
55	0259	44.82727	-89.23811	371
55	0260	44.82726	-89.23534	371
55	0261	44.84237	-89.2574	381
55	0262	44.84917	-89.26494	380.8
55	0263	44.8273	-89.24068	371
55	0264	44.82701	-89.24004	371
55	0265	44.82696	-89.23725	371
55	0266	44.83517	-89.2544	372

Table B-17. Agency Calibration Values

Calibration Values	AZ	CO	IA	MI	OH	WA	WI
Cracking C4	0.19	0.6	4.06	0.23	1	1	1
Cracking C5	-2.067	-2.05	-0.44	-1.8	-1.98	-1.98	-1.98
CRCP C1	2	2	2	2	2	2	2
CRCP C2	1.22	1.22	1.22	1.22	1.22	1.22	1.22
CRCP C3	107.73	107.73	107.73	107.73	107.73	107.73	107.73
CRCP C4	2.475	2.475	2.475	2.475	2.475	2.475	2.475
CRCP C5	-0.785	-0.785	-0.785	-0.785	-0.785	-0.785	-0.785
CRCP Crack	1	1	1	1	1	1	1
Fatigue C1	2	2	2.25	2	2	1.93	2
Fatigue C2	1.22	1.22	1.4	1.22	1.22	1.177	1.22
Faulting A1	0.0355	0.5104	0.85	0.4	0.595	0.4	1.15
Faulting A2	20000	5999	250.8	250	250	77.5	250
Faulting A3	400	400	400	400	400	4000	400
Faulting A4	2.0389	0.8404	0.4	0.4	0.4	0.0064	0.4
Faulting C1	0.00436	0.00147	0.002	0.002848	0.002185	0.000535	0.004
Faulting C2	0.00000011	0.008345	0.274	0.00084	0.000884	0.000248	0.000884
Faulting C3	0.1147	0.00838	1.39	0.91656	1.636	0.341	0.91656
Faulting Climate	0.189	5.9293	1.45	1.8331	1.83312	2.04	1.83312
IRI C2	3.15	3.15	3.15	3.15	3.15	3.15	3.15
IRI C3	28.35	28.35	28.35	28.35	28.35	28.35	28.35
IRI CRCP Var	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IRI J1	0.6	0.8203	0.11	1.198	0.82	0.82	4.0567
IRI J2	3.48	0.4417	0.44	3.57	3.7	1.17	1.6275
IRI J4	1.22	1.4929	0.04	1.4929	1.711	1.43	0.7236
IRI J5	45.2	25.24	11.32	25.24	5.703	66.8	45.2388
IRI JPCP Var	0	0	0	5.4	0	0	0
Longitudinal Cracking C4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Longitudinal Cracking C5	-2.21	-2.21	-2.21	-2.21	-2.21	-2.21	-2.21

Table B-18. Agency Calibration Alpha Factors

Alpha Factor	AZ	CO	IA	MI	OH	WA	WI	Default
Cracking	3.5522 * Pow(CRACK,0.3415) + 0.75	Pow(57.08*CRACK,0.33)+1.5	3.5522 * Pow(CRACK,0.3415) + 0.75	Pow(1.34*CRACK,0.6593)	3.5522 * Pow(CRACK,0.3415) + 0.75	3.5522 * Pow(CRACK,0.3415) + 0.75	3.5522 * Pow(CRACK,0.3415) + 0.75	
Faulting	0.07162 * Pow(FAULT,0.368) + 0.00806	0.0831*Pow(FAULT,0.3426)+0.00521	0.07162 * Pow(FAULT,0.368) + 0.00806	Pow(0.0097*FAULT,0.5178)+0.014	0.07162 * Pow(FAULT,0.368) + 0.00806	0.07162 * Pow(FAULT,0.368) + 0.00806	0.07162 * Pow(FAULT,0.368) + 0.00806	
Longitudinal Cracking	3.5522 * Pow(LCRACK,0.4315) + 0.5	3.5522 * Pow(LCRACK,0.4315) + 0.5	3.5522 * Pow(LCRACK,0.4315) + 0.5	3.5522 * Pow(LCRACK,0.4315) + 0.5	3.5522 * Pow(LCRACK,0.4315) + 0.5	3.5522 * Pow(LCRACK,0.4315) + 0.5	3.5522 * Pow(LCRACK,0.4315) + 0.5	
Punchout	2.208 * Pow(PO,0.5316)	2.208 * Pow(PO,0.5316)	2.208 * Pow(PO,0.5316)	2.208 * Pow(PO,0.5316)	2.208 * Pow(PO,0.5316)	2.208 * Pow(PO,0.5316)	2.208 * Pow(PO,0.5316)	

Table B-19. SPS-2 Sites Constructed and Opened to Traffic

State Code	Date Constructed	Date Opened to Traffic
4	Oct-1993	Dec-1993
5	Oct-1995	Dec-1995
6	Sep-2000	Nov-2000
8	Oct-1993	Dec-1993
10	May-1996	Jul-1996
19	Aug-1994	Oct-1994
20	Jul-1992	Sep-1992
26	Nov-1993	Jan-1994
32	Aug-1995	Oct-1995
37	Jul-1994	Sep-1994
38	Oct-1994	Dec-1994
39	Sep-1996	Nov-1996
53	Nov-1995	Jan-1996
55	Oct-1997	Dec-1997

Table B-20. Erodibility Index

State Code	SHRP ID	Erodibility Index
4	0213	4
4	0214	4
4	0215	4
4	0216	4
4	0217	1
4	0218	1
4	0219	1
4	0220	1
4	0221	1
4	0222	1
4	0223	1
4	0224	1
4	0260	4
4	0261	4
4	0262	4
4	0263	1
4	0264	1
4	0265	4
4	0266	1
4	0267	1
4	0268	1
5	0213	4
5	0214	4
5	0215	4
5	0216	4
5	0217	1
5	0218	1
5	0219	1
5	0220	1
5	0221	1
5	0222	1
5	0223	1
5	0224	1
6	0201	4
6	0202	4
6	0203	4
6	0204	4
6	0205	1
6	0206	1
6	0207	1
6	0208	1
6	0209	1
6	0210	1
6	0211	1
6	0212	1
8	0213	4
8	0214	4
8	0215	4
8	0216	4
8	0217	1
8	0218	1
8	0219	1
8	0220	1
8	0221	1
8	0222	1
8	0223	1
8	0224	1
8	0259	5
10	0201	4
10	0202	4
10	0203	4
10	0204	4
10	0205	1
10	0206	1
10	0207	1
10	0208	1
10	0209	1
10	0210	1
10	0211	1
10	0212	1
10	0259	4
10	0260	4
19	0213	4
19	0214	4
19	0215	4
19	0216	4
19	0217	1
19	0218	1
19	0219	1
19	0220	1
19	0221	1
19	0222	1
19	0223	1
19	0224	1
19	0259	4
20	0201	4
20	0202	4
20	0203	4
20	0204	4
20	0205	1
20	0206	1
20	0207	1
20	0208	1
20	0209	1
20	0210	1
20	0211	1
20	0212	1
20	0259	1
26	0213	4
26	0214	4
26	0215	4
26	0216	4
26	0217	1
26	0218	1
26	0219	1
26	0220	1
26	0221	1
26	0222	1
26	0223	1
26	0224	1
26	0259	1
32	0201	4
32	0202	4
32	0203	4
32	0204	4
32	0205	1
32	0206	1
32	0207	1
32	0208	1
32	0209	1
32	0210	1
32	0211	1
32	0259	1
37	0201	4
37	0202	4
37	0203	4
37	0204	4
37	0205	1
37	0206	1
37	0207	1
37	0208	1
37	0209	1
37	0210	1
37	0211	1
37	0212	1

State Code	SHRP ID	Erodibility Index
37	0259	1
37	0260	1
38	0213	4
38	0214	4
38	0215	4
38	0216	4
38	0217	1
38	0218	1
38	0219	1
38	0220	1
38	0221	1
38	0222	1
38	0223	1
38	0224	1
38	0259	1
38	0260	4
38	0261	4
38	0262	1
38	0263	1
38	0264	1
39	0201	4
39	0202	4
39	0203	4
39	0204	4

State Code	SHRP ID	Erodibility Index
39	0205	1
39	0206	1
39	0207	1
39	0208	1
39	0209	1
39	0210	1
39	0211	1
39	0212	1
39	0259	4
39	0260	1
39	0261	1
39	0262	1
39	0263	4
39	0264	1
39	0265	1
53	0201	4
53	0202	4
53	0203	4
53	0204	4
53	0205	1
53	0206	1
53	0207	1
53	0208	1
53	0209	1

State Code	SHRP ID	Erodibility Index
53	0210	1
53	0211	1
53	0212	1
53	0259	1
55	0213	4
55	0214	4
55	0215	4
55	0216	4
55	0217	1
55	0218	1
55	0219	1
55	0220	1
55	0221	1
55	0222	1
55	0223	1
55	0224	1
55	0259	4
55	0260	4
55	0261	1
55	0262	4
55	0263	4
55	0264	4
55	0265	4
55	0266	4

Table B-21. Section Layer Structure

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
4	0213	1	SS	5	7	-1	3
4	0213	2	GB	4	5	5.8	2
4	0213	3	PC	0	3	7.9	1
4	0214	1	SS	5	7	-1	3
4	0214	2	GB	4	5	6.1	2
4	0214	3	PC	0	3	8.3	1
4	0215	1	SS	5	7	-1	3
4	0215	2	GB	4	5	6.3	2
4	0215	3	PC	0	3	11	1
4	0216	1	SS	5	7	-1	3
4	0216	2	GB	4	5	6.3	2
4	0216	3	PC	0	3	11.2	1
4	0217	1	SS	5	7	-1	3
4	0217	2	CT	2	5	6.1	2
4	0217	3	PC	0	3	8.1	1
4	0218	1	SS	5	7	-1	3
4	0218	2	CT	2	5	6.2	2
4	0218	3	PC	0	3	8.3	1
4	0219	1	SS	5	7	-1	3
4	0219	2	CT	2	5	6.2	2
4	0219	3	PC	0	3	10.8	1
4	0220	1	SS	5	7	-1	3
4	0220	2	CT	2	5	6.2	2
4	0220	3	PC	0	3	11.2	1
4	0221	1	SS	5	7	-1	4
4	0221	2	GB	4	5	4.2	3
4	0221	3	AT	1	5	4.2	2
4	0221	4	PC	0	3	8.1	1
4	0222	1	SS	5	7	-1	4
4	0222	2	GB	4	5	4.3	3
4	0222	3	AT	1	5	3.9	2
4	0222	4	PC	0	3	8.6	1
4	0223	1	SS	5	7	-1	4
4	0223	2	GB	4	5	3.5	3
4	0223	3	AT	1	5	4.1	2
4	0223	4	PC	0	3	11.1	1
4	0224	1	SS	5	7	-1	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
4	0224	2	GB	4	5	3.8	3
4	0224	3	AT	1	5	4.4	2
4	0224	4	PC	0	3	10.6	1
4	0260	1	SS	5	7	-1	3
4	0260	2	GB	4	5	4	2
4	0260	3	AC	1	3	9.4	1
4	0261	1	SS	5	7	-1	3
4	0261	2	GB	4	5	4	2
4	0261	3	AC	1	3	8.9	1
4	0262	1	SS	5	7	-1	3
4	0262	2	GB	4	5	6.1	2
4	0262	3	PC	0	3	8.1	1
4	0263	1	SS	5	7	-1	4
4	0263	2	GB	4	5	3.9	3
4	0263	3	AT	1	5	4.4	2
4	0263	4	PC	0	3	8.2	1
4	0264	1	SS	5	7	-1	4
4	0264	2	GB	4	5	4.4	3
4	0264	3	AT	1	5	3.8	2
4	0264	4	PC	0	3	11.5	1
4	0265	1	SS	5	7	-1	3
4	0265	2	GB	4	5	6.8	2
4	0265	3	PC	0	3	10.8	1
4	0266	1	SS	5	7	-1	3
4	0266	2	AT	1	5	3.9	2
4	0266	3	PC	0	3	12.3	1
4	0267	1	SS	5	7	-1	3
4	0267	2	AT	1	5	3.9	2
4	0267	3	PC	0	3	11.3	1
4	0268	1	SS	5	7	-1	3
4	0268	2	AT	1	5	3.8	2
4	0268	3	PC	0	3	8.5	1
5	0213	0	BR	6	0	-1	4
5	0213	1	SS	5	7	30	3
5	0213	3	GB	4	5	6	2
5	0213	4	PC	0	3	7.4	1
5	0214	0	BR	6	0	-1	4
5	0214	1	SS	5	7	144	3

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
5	0214	3	GB	4	5	10	2
5	0214	4	PC	0	3	8.4	1
5	0215	1	SS	5	7	-1	3
5	0215	3	GB	4	5	6	2
5	0215	4	PC	0	3	11.5	1
5	0216	1	SS	5	7	-1	3
5	0216	3	GB	4	5	6	2
5	0216	4	PC	0	3	11	1
5	0217	0	BR	6	0	-1	5
5	0217	1	SS	5	7	121	4
5	0217	3	GB	4	5	4	3
5	0217	4	CT	2	5	6.3	2
5	0217	5	PC	0	3	8.3	1
5	0218	0	BR	6	0	-1	5
5	0218	1	SS	5	7	126	4
5	0218	3	GB	4	5	4	3
5	0218	4	CT	2	5	6.4	2
5	0218	5	PC	0	3	8.2	1
5	0219	1	SS	5	7	-1	4
5	0219	3	GB	4	5	4	3
5	0219	4	CT	2	5	6.1	2
5	0219	5	PC	0	3	11.1	1
5	0220	1	SS	5	7	-1	4
5	0220	3	GB	4	5	6	3
5	0220	4	CT	2	5	7	2
5	0220	5	PC	0	3	10.7	1
5	0221	0	BR	6	0	-1	5
5	0221	1	SS	5	7	84	4
5	0221	3	GB	4	5	4.1	3
5	0221	4	AT	1	5	3.3	2
5	0221	5	PC	0	3	8.3	1
5	0222	1	SS	5	7	-1	4
5	0222	3	GB	4	5	11	3
5	0222	4	AT	1	5	2.3	2
5	0222	5	PC	0	3	8.3	1
5	0223	1	SS	5	7	-1	4
5	0223	3	GB	4	5	8	3
5	0223	4	AT	1	5	3.9	2

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
5	0223	5	PC	0	3	10.9	1
5	0224	1	SS	5	7	-1	4
5	0224	3	GB	4	5	8.7	3
5	0224	4	AT	1	5	2.5	2
5	0224	5	PC	0	3	10.9	1
6	0201	1	SS	5	7	-1	3
6	0201	2	GB	4	5	6	2
6	0201	3	PC	0	3	8.3	1
6	0202	1	SS	5	7	-1	3
6	0202	2	GB	4	5	6	2
6	0202	3	PC	0	3	8	1
6	0203	1	SS	5	7	-1	3
6	0203	2	GB	4	5	5.8	2
6	0203	3	PC	0	3	11.4	1
6	0204	1	SS	5	7	-1	3
6	0204	2	GB	4	5	6.3	2
6	0204	3	PC	0	3	11.1	1
6	0205	1	SS	5	7	-1	3
6	0205	2	CT	2	5	6	2
6	0205	3	PC	0	3	8.2	1
6	0206	1	SS	5	7	-1	3
6	0206	2	CT	2	5	5.9	2
6	0206	3	PC	0	3	8	1
6	0207	1	SS	5	7	-1	3
6	0207	2	CT	2	5	6.2	2
6	0207	3	PC	0	3	11	1
6	0208	1	SS	5	7	-1	3
6	0208	2	CT	2	5	6.6	2
6	0208	3	PC	0	3	10.7	1
6	0209	1	SS	5	7	-1	4
6	0209	2	GB	4	5	4.1	3
6	0209	3	AT	1	5	3.6	2
6	0209	4	PC	0	3	8.4	1
6	0210	1	SS	5	7	-1	4
6	0210	2	GB	4	5	4	3
6	0210	3	AT	1	5	3.8	2
6	0210	4	PC	0	3	8.6	1
6	0211	1	SS	5	7	-1	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
6	0211	2	GB	4	5	3.8	3
6	0211	3	AT	1	5	3.4	2
6	0211	4	PC	0	3	12.1	1
6	0212	1	SS	5	7	-1	4
6	0212	2	GB	4	5	4.3	3
6	0212	3	AT	1	5	3.7	2
6	0212	4	PC	0	3	11.1	1
8	0213	1	SS	5	7	-1	3
8	0213	2	GB	4	5	5.9	2
8	0213	3	PC	0	3	8.6	1
8	0214	1	SS	5	7	-1	3
8	0214	2	GB	4	5	5.9	2
8	0214	3	PC	0	3	8.4	1
8	0215	1	SS	5	7	-1	3
8	0215	2	GB	4	5	6	2
8	0215	3	PC	0	3	11.5	1
8	0216	1	SS	5	7	-1	3
8	0216	2	GB	4	5	5.9	2
8	0216	3	PC	0	3	11.9	1
8	0217	1	SS	5	7	-1	3
8	0217	2	CT	2	5	6.7	2
8	0217	3	PC	0	3	8.6	1
8	0218	1	SS	5	7	-1	3
8	0218	2	CT	2	5	6.2	2
8	0218	3	PC	0	3	7.6	1
8	0219	1	SS	5	7	-1	3
8	0219	2	CT	2	5	6.1	2
8	0219	3	PC	0	3	9.9	1
8	0220	1	SS	5	7	-1	3
8	0220	2	CT	2	5	6.2	2
8	0220	3	PC	0	3	11.2	1
8	0221	1	SS	5	7	-1	4
8	0221	2	GB	4	5	4.2	3
8	0221	3	AT	1	5	3.8	2
8	0221	4	PC	0	3	8.3	1
8	0222	1	SS	5	7	-1	4
8	0222	2	GB	4	5	4	3
8	0222	3	AT	1	5	4.5	2

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
8	0222	4	PC	0	3	8.5	1
8	0223	1	SS	5	7	-1	4
8	0223	2	GB	4	5	4.7	3
8	0223	3	AT	1	5	4.2	2
8	0223	4	PC	0	3	11.7	1
8	0224	1	SS	5	7	-1	4
8	0224	2	GB	4	5	3.1	3
8	0224	3	AT	1	5	4.6	2
8	0224	4	PC	0	3	11.6	1
8	0259	1	SS	5	7	-1	2
8	0259	2	PC	0	3	11.9	1
10	0201	1	SS	5	7	-1	4
10	0201	2	GS	4	11	34	3
10	0201	3	GB	4	5	6.2	2
10	0201	4	PC	0	3	8.3	1
10	0202	1	SS	5	7	-1	4
10	0202	2	GS	4	11	22	3
10	0202	3	GB	4	5	6.5	2
10	0202	4	PC	0	3	8.8	1
10	0203	1	SS	5	7	-1	4
10	0203	2	GS	4	11	14	3
10	0203	3	GB	4	5	6.1	2
10	0203	4	PC	0	3	11.7	1
10	0204	1	SS	5	7	-1	4
10	0204	2	GS	4	11	12	3
10	0204	3	GB	4	5	6.3	2
10	0204	4	PC	0	3	11	1
10	0205	1	SS	5	7	-1	4
10	0205	2	GS	4	11	30	3
10	0205	3	CT	2	5	5.5	2
10	0205	4	PC	0	3	9.2	1
10	0206	1	SS	5	7	-1	4
10	0206	2	GS	4	11	42	3
10	0206	3	CT	2	5	6.1	2
10	0206	4	PC	0	3	8.9	1
10	0207	1	SS	5	7	-1	4
10	0207	2	GS	4	11	14	3
10	0207	3	CT	2	5	6.9	2

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
10	0207	4	PC	0	3	11.3	1
10	0208	1	SS	5	7	-1	4
10	0208	2	GS	4	11	30	3
10	0208	3	CT	2	5	6	2
10	0208	4	PC	0	3	12.1	1
10	0209	1	SS	5	7	-1	5
10	0209	2	GS	4	11	24	4
10	0209	3	GB	4	5	3.3	3
10	0209	4	AT	1	5	4.7	2
10	0209	5	PC	0	3	8.2	1
10	0210	1	SS	5	7	-1	5
10	0210	2	GS	4	11	36	4
10	0210	3	GB	4	5	4.4	3
10	0210	4	AT	1	5	3.8	2
10	0210	5	PC	0	3	8.3	1
10	0211	1	SS	5	7	-1	5
10	0211	2	GS	4	11	30	4
10	0211	3	GB	4	5	3.8	3
10	0211	4	AT	1	5	3.7	2
10	0211	5	PC	0	3	11.8	1
10	0212	1	SS	5	7	-1	5
10	0212	2	GS	4	11	30	4
10	0212	3	GB	4	5	3.7	3
10	0212	4	AT	1	5	3.7	2
10	0212	5	PC	0	3	12.4	1
10	0259	1	SS	5	7	-1	4
10	0259	2	GS	4	11	42	3
10	0259	3	GB	4	5	7.9	2
10	0259	4	PC	0	3	10.2	1
10	0260	1	SS	5	7	-1	4
10	0260	2	GS	4	11	42	3
10	0260	3	GB	4	5	7.8	2
10	0260	4	PC	0	3	10.2	1
19	0213	1	SS	5	7	-1	4
19	0213	2	GS	4	11	24	3
19	0213	3	GB	4	5	6.1	2
19	0213	4	PC	0	3	8.7	1
19	0214	1	SS	5	7	-1	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
19	0214	2	GS	4	11	38	3
19	0214	3	GB	4	5	6.2	2
19	0214	4	PC	0	3	8.4	1
19	0215	1	SS	5	7	-1	4
19	0215	2	GS	4	11	24	3
19	0215	3	GB	4	5	5.8	2
19	0215	4	PC	0	3	11.7	1
19	0216	1	SS	5	7	-1	4
19	0216	2	GS	4	11	18	3
19	0216	3	GB	4	5	6	2
19	0216	4	PC	0	3	11.6	1
19	0217	1	SS	5	7	-1	4
19	0217	2	GS	4	11	24	3
19	0217	3	CT	2	5	6.4	2
19	0217	4	PC	0	3	7.8	1
19	0218	1	SS	5	7	-1	4
19	0218	2	GS	4	11	24	3
19	0218	3	CT	2	5	6.3	2
19	0218	4	PC	0	3	8.3	1
19	0219	1	SS	5	7	-1	4
19	0219	2	GS	4	11	24	3
19	0219	3	CT	2	5	6.7	2
19	0219	4	PC	0	3	11.3	1
19	0220	1	SS	5	7	-1	4
19	0220	2	GS	4	11	24	3
19	0220	3	CT	2	5	6.7	2
19	0220	4	PC	0	3	11.4	1
19	0221	1	SS	5	7	-1	5
19	0221	2	GS	4	11	24	4
19	0221	3	GB	4	5	3.6	3
19	0221	4	AT	1	5	4	2
19	0221	5	PC	0	3	9	1
19	0222	1	SS	5	7	-1	5
19	0222	2	GS	4	11	24	4
19	0222	3	GB	4	5	3.9	3
19	0222	4	AT	1	5	4	2
19	0222	5	PC	0	3	8.3	1
19	0223	1	SS	5	7	-1	5

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
19	0223	2	GS	4	11	24	4
19	0223	3	GB	4	5	3.6	3
19	0223	4	AT	1	5	3.8	2
19	0223	5	PC	0	3	12	1
19	0224	1	SS	5	7	-1	5
19	0224	2	GS	4	11	24	4
19	0224	3	GB	4	5	3.8	3
19	0224	4	AT	1	5	4.4	2
19	0224	5	PC	0	3	11	1
19	0259	1	SS	5	7	-1	4
19	0259	2	GS	4	11	24	3
19	0259	3	GB	4	5	6.3	2
19	0259	4	PC	0	3	8.5	1
20	0201	1	SS	5	7	-1	4
20	0201	2	CT	2	6	6	3
20	0201	3	GB	3	5	6.1	2
20	0201	4	PC	0	3	7.7	1
20	0202	1	SS	5	7	-1	4
20	0202	2	CT	2	6	6	3
20	0202	3	GB	3	5	6	2
20	0202	4	PC	0	3	7.5	1
20	0203	1	SS	5	7	-1	4
20	0203	2	CT	2	6	6	3
20	0203	3	GB	3	5	5.9	2
20	0203	4	PC	0	3	11.2	1
20	0204	1	SS	5	7	-1	4
20	0204	2	CT	2	6	6	3
20	0204	3	GB	3	5	5.8	2
20	0204	4	PC	0	3	11.3	1
20	0205	1	SS	5	7	-1	4
20	0205	2	CT	2	6	6	3
20	0205	3	CT	2	5	6.4	2
20	0205	4	PC	0	3	7.3	1
20	0206	1	SS	5	7	-1	4
20	0206	2	CT	2	6	6	3
20	0206	3	CT	2	5	6.3	2
20	0206	4	PC	0	3	7.7	1
20	0207	1	SS	5	7	-1	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
20	0207	2	CT	2	6	6	3
20	0207	3	CT	2	5	6.1	2
20	0207	4	PC	0	3	10.9	1
20	0208	1	SS	5	7	-1	4
20	0208	2	CT	2	6	6	3
20	0208	3	CT	2	5	6.4	2
20	0208	4	PC	0	3	10.9	1
20	0209	1	SS	5	7	-1	5
20	0209	2	CT	2	6	6	4
20	0209	3	GB	3	5	4.2	3
20	0209	4	AT	1	5	3.8	2
20	0209	5	PC	0	3	8.4	1
20	0210	1	SS	5	7	-1	5
20	0210	2	CT	2	6	6	4
20	0210	3	GB	3	5	4	3
20	0210	4	AT	1	5	3.9	2
20	0210	5	PC	0	3	8.5	1
20	0211	1	SS	5	7	-1	5
20	0211	2	CT	2	6	6	4
20	0211	3	GB	3	5	4.1	3
20	0211	4	AT	1	5	3.8	2
20	0211	5	PC	0	3	11.2	1
20	0212	1	SS	5	7	-1	5
20	0212	2	CT	2	6	6	4
20	0212	3	GB	3	5	4.1	3
20	0212	4	AT	1	5	3.7	2
20	0212	5	PC	0	3	11.1	1
20	0259	1	SS	5	7	-1	4
20	0259	2	CT	2	6	6	3
20	0259	3	CT	2	5	5.7	2
20	0259	4	PC	0	3	11.9	1
26	0213	1	SS	5	7	-1	4
26	0213	2	GS	4	11	18.5	3
26	0213	3	GB	4	5	6.1	2
26	0213	4	PC	0	3	8.3	1
26	0214	1	SS	5	7	-1	4
26	0214	2	GS	4	11	18.5	3
26	0214	3	GB	4	5	5.8	2

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
26	0214	4	PC	0	3	8.8	1
26	0215	1	SS	5	7	-1	4
26	0215	2	GS	4	11	15.5	3
26	0215	3	GB	4	5	6.2	2
26	0215	4	PC	0	3	11.1	1
26	0216	1	SS	5	7	-1	4
26	0216	2	GS	4	11	15.5	3
26	0216	3	GB	4	5	5.9	2
26	0216	4	PC	0	3	11.3	1
26	0217	1	SS	5	7	-1	4
26	0217	2	GS	4	11	18.5	3
26	0217	3	CT	2	5	6.1	2
26	0217	4	PC	0	3	8.4	1
26	0218	1	SS	5	7	-1	4
26	0218	2	GS	4	11	18.5	3
26	0218	3	CT	2	5	6.3	2
26	0218	4	PC	0	3	7.3	1
26	0219	1	SS	5	7	-1	4
26	0219	2	GS	4	11	15.5	3
26	0219	3	CT	2	5	5.9	2
26	0219	4	PC	0	3	11.3	1
26	0220	1	SS	5	7	-1	4
26	0220	2	GS	4	11	15.5	3
26	0220	3	CT	2	5	5.8	2
26	0220	4	PC	0	3	11.2	1
26	0221	1	SS	5	7	-1	5
26	0221	2	GS	4	11	16.5	4
26	0221	3	GB	4	5	4.4	3
26	0221	4	AT	1	5	4.2	2
26	0221	5	PC	0	3	8.1	1
26	0222	1	SS	5	7	-1	5
26	0222	2	GS	4	11	16.5	4
26	0222	3	GB	4	5	4.2	3
26	0222	4	AT	1	5	4.2	2
26	0222	5	PC	0	3	8.3	1
26	0223	1	SS	5	7	-1	5
26	0223	2	GS	4	11	13.5	4
26	0223	3	GB	4	5	4.3	3

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
26	0223	4	AT	1	5	4.1	2
26	0223	5	PC	0	3	11	1
26	0224	1	SS	5	7	-1	5
26	0224	2	GS	4	11	13.5	4
26	0224	3	GB	4	5	4	3
26	0224	4	AT	1	5	4.3	2
26	0224	5	PC	0	3	11.1	1
26	0259	1	SS	5	7	-1	5
26	0259	2	GS	4	11	18	4
26	0259	3	GB	4	5	4	3
26	0259	4	AT	1	5	4	2
26	0259	5	PC	0	3	11.3	1
32	0201	1	SS	5	7	-1	5
32	0201	2	CT	2	6	12	4
32	0201	3	GS	3	6	21.7	3
32	0201	4	GB	3	5	5.9	2
32	0201	5	PC	0	3	9.2	1
32	0202	1	SS	5	7	-1	5
32	0202	2	CT	2	6	12	4
32	0202	3	GS	3	6	22.7	3
32	0202	4	GB	3	5	5.8	2
32	0202	5	PC	0	3	8.2	1
32	0203	1	SS	5	7	-1	5
32	0203	2	CT	2	6	12	4
32	0203	3	GS	3	6	20.2	3
32	0203	4	GB	3	5	5.7	2
32	0203	5	PC	0	3	11.9	1
32	0204	1	SS	5	7	-1	5
32	0204	2	CT	2	6	12	4
32	0204	3	GS	3	6	20.5	3
32	0204	4	GB	3	5	6.2	2
32	0204	5	PC	0	3	11.8	1
32	0205	1	SS	5	7	-1	5
32	0205	2	CT	2	6	12	4
32	0205	3	GS	3	6	22.6	3
32	0205	4	CT	2	5	6.8	2
32	0205	5	PC	0	3	8.5	1
32	0206	1	SS	5	7	-1	5

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
32	0206	2	CT	2	6	12	4
32	0206	3	GS	3	6	23.5	3
32	0206	4	CT	2	5	6.6	2
32	0206	5	PC	0	3	7.8	1
32	0207	1	SS	5	7	-1	5
32	0207	2	CT	2	6	12	4
32	0207	3	GS	3	6	19.7	3
32	0207	4	CT	2	5	6.8	2
32	0207	5	PC	0	3	10.9	1
32	0208	1	SS	5	7	-1	5
32	0208	2	CT	2	6	12	4
32	0208	3	GS	3	6	20.4	3
32	0208	4	CT	2	5	7.5	2
32	0208	5	PC	0	3	11	1
32	0209	1	SS	5	7	-1	6
32	0209	2	CT	2	6	12	5
32	0209	3	GS	3	6	20.7	4
32	0209	4	GB	3	5	4.2	3
32	0209	5	AT	1	5	4	2
32	0209	6	PC	0	3	8.9	1
32	0210	1	SS	5	7	-1	6
32	0210	2	CT	2	6	12	5
32	0210	3	GS	3	6	21.3	4
32	0210	4	GB	3	5	4.2	3
32	0210	5	AT	1	5	3.7	2
32	0210	6	PC	0	3	10.1	1
32	0211	1	SS	5	7	-1	6
32	0211	2	CT	2	6	12	5
32	0211	3	GS	3	6	18.2	4
32	0211	4	GB	3	5	4	3
32	0211	5	AT	1	5	4.1	2
32	0211	6	PC	0	3	11.3	1
32	0259	1	SS	5	7	-1	5
32	0259	2	CT	2	6	12	4
32	0259	3	GS	3	6	8	3
32	0259	4	AT	1	5	1.5	2
32	0259	5	PC	0	3	10.8	1
37	0201	1	SS	5	7	-1	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
37	0201	2	CT	2	6	8	3
37	0201	3	GB	3	5	9.3	2
37	0201	4	PC	0	3	9.2	1
37	0202	1	SS	5	7	-1	4
37	0202	2	CT	2	6	8	3
37	0202	3	GB	3	5	9	2
37	0202	4	PC	0	3	8.9	1
37	0203	1	SS	5	7	-1	4
37	0203	2	GS	4	6	7	3
37	0203	3	GB	4	5	5.6	2
37	0203	4	PC	0	3	11.9	1
37	0204	1	SS	5	7	-1	4
37	0204	2	CT	2	6	7	3
37	0204	3	GB	3	5	5.7	2
37	0204	4	PC	0	3	11.6	1
37	0205	1	SS	5	7	-1	4
37	0205	2	CT	2	6	8	3
37	0205	3	CT	2	5	6.5	2
37	0205	4	PC	0	3	8	1
37	0206	1	SS	5	7	-1	4
37	0206	2	CT	2	6	8	3
37	0206	3	CT	2	5	6.7	2
37	0206	4	PC	0	3	8.4	1
37	0207	1	SS	5	7	-1	4
37	0207	2	GS	4	6	7.7	3
37	0207	3	CT	2	5	5.7	2
37	0207	4	PC	0	3	11.7	1
37	0208	1	SS	5	7	-1	4
37	0208	2	CT	2	6	8	3
37	0208	3	CT	2	5	5.8	2
37	0208	4	PC	0	3	11.2	1
37	0209	1	SS	5	7	-1	5
37	0209	2	CT	2	6	5	4
37	0209	3	GB	3	5	5	3
37	0209	4	AT	1	5	5.6	2
37	0209	5	PC	0	3	8.6	1
37	0210	1	SS	5	7	-1	5
37	0210	2	CT	2	6	5	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
37	0210	3	GB	3	5	4.7	3
37	0210	4	AT	1	5	5.3	2
37	0210	5	PC	0	3	9.1	1
37	0211	1	SS	5	7	-1	5
37	0211	2	CT	2	6	8	4
37	0211	3	GB	3	5	4.1	3
37	0211	4	AT	1	5	3.6	2
37	0211	5	PC	0	3	11.5	1
37	0212	1	SS	5	7	-1	5
37	0212	2	CT	2	6	8	4
37	0212	3	GB	3	5	3.8	3
37	0212	4	AT	1	5	3.8	2
37	0212	5	PC	0	3	11.2	1
37	0259	1	SS	5	7	-1	4
37	0259	2	CT	2	6	8	3
37	0259	4	AT	1	5	4.4	2
37	0259	5	PC	0	3	10.8	1
37	0260	1	SS	5	7	-1	4
37	0260	2	GS	4	6	7	3
37	0260	4	AT	1	5	5.6	2
37	0260	5	PC	0	3	11.6	1
38	0213	1	SS	5	7	-1	4
38	0213	2	GS	4	11	18	3
38	0213	3	GB	4	5	5.8	2
38	0213	4	PC	0	3	8.1	1
38	0214	1	SS	5	7	-1	4
38	0214	2	GS	4	11	18	3
38	0214	3	GB	4	5	5.9	2
38	0214	4	PC	0	3	8	1
38	0215	1	SS	5	7	-1	4
38	0215	2	GS	4	11	18	3
38	0215	3	GB	4	5	6.4	2
38	0215	4	PC	0	3	11	1
38	0216	1	SS	5	7	-1	4
38	0216	2	GS	4	11	18	3
38	0216	3	GB	4	5	6.2	2
38	0216	4	PC	0	3	11.1	1
38	0217	1	SS	5	7	-1	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
38	0217	2	GS	4	11	18	3
38	0217	3	CT	2	5	6.5	2
38	0217	4	PC	0	3	7.9	1
38	0218	1	SS	5	7	-1	4
38	0218	2	GS	4	11	18	3
38	0218	3	CT	2	5	6.6	2
38	0218	4	PC	0	3	7.9	1
38	0219	1	SS	5	7	-1	4
38	0219	2	GS	4	11	18	3
38	0219	3	CT	2	5	6.5	2
38	0219	4	PC	0	3	10.9	1
38	0220	1	SS	5	7	-1	4
38	0220	2	GS	4	11	18	3
38	0220	3	CT	2	5	5.9	2
38	0220	4	PC	0	3	11	1
38	0221	1	SS	5	7	-1	5
38	0221	2	GS	4	11	18	4
38	0221	3	GB	4	5	4	3
38	0221	4	AT	1	5	3.9	2
38	0221	5	PC	0	3	8	1
38	0222	1	SS	5	7	-1	5
38	0222	2	GS	4	11	18	4
38	0222	3	GB	4	5	4	3
38	0222	4	AT	1	5	4.1	2
38	0222	5	PC	0	3	8.1	1
38	0223	1	SS	5	7	-1	5
38	0223	2	GS	4	11	18	4
38	0223	3	GB	4	5	4.1	3
38	0223	4	AT	1	5	4.1	2
38	0223	5	PC	0	3	11.1	1
38	0224	1	SS	5	7	-1	5
38	0224	2	GS	4	11	18	4
38	0224	3	GB	4	5	4	3
38	0224	4	AT	1	5	4.3	2
38	0224	5	PC	0	3	10.9	1
38	0259	1	SS	5	7	-1	5
38	0259	2	GS	4	11	18	4
38	0259	3	GB	4	5	8	3

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
38	0259	4	AT	1	5	4	2
38	0259	5	PC	0	3	9.7	1
38	0260	1	SS	5	7	-1	4
38	0260	2	GS	4	11	18	3
38	0260	3	GB	4	5	5.9	2
38	0260	4	PC	0	3	11	1
38	0261	1	SS	5	7	-1	4
38	0261	2	GS	4	11	18	3
38	0261	3	GB	4	5	6.1	2
38	0261	4	PC	0	3	11	1
38	0262	1	SS	5	7	-1	4
38	0262	2	GS	4	11	18	3
38	0262	3	CT	2	5	6.5	2
38	0262	4	PC	0	3	11.1	1
38	0263	1	SS	5	7	-1	5
38	0263	2	GS	4	11	18	4
38	0263	3	GB	4	5	4	3
38	0263	4	AT	1	5	3.9	2
38	0263	5	PC	0	3	11	1
38	0264	1	SS	5	7	-1	5
38	0264	2	GS	4	11	18	4
38	0264	3	GB	4	5	4	3
38	0264	4	AT	1	5	4	2
38	0264	5	PC	0	3	11	1
39	0201	1	SS	5	7	-1	3
39	0201	2	GB	4	5	6.2	2
39	0201	3	PC	0	3	7.9	1
39	0202	1	SS	5	7	-1	3
39	0202	2	GB	4	5	5.8	2
39	0202	3	PC	0	3	8.3	1
39	0203	1	SS	5	7	-1	3
39	0203	2	GB	4	5	6.1	2
39	0203	3	PC	0	3	11.2	1
39	0204	1	SS	5	7	-1	4
39	0204	2	GS	4	11	16	3
39	0204	3	GB	4	5	5.8	2
39	0204	4	PC	0	3	11.1	1
39	0205	1	SS	5	7	-1	3

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
39	0205	2	CT	2	5	6.2	2
39	0205	3	PC	0	3	8	1
39	0206	1	SS	5	7	-1	3
39	0206	2	CT	2	5	5.9	2
39	0206	3	PC	0	3	7.9	1
39	0207	1	SS	5	7	-1	3
39	0207	2	CT	2	5	6.5	2
39	0207	3	PC	0	3	11.2	1
39	0208	0	BR	6	0	-1	4
39	0208	1	SS	5	7	239	3
39	0208	2	CT	2	5	6.7	2
39	0208	3	PC	0	3	11.1	1
39	0209	1	SS	5	7	-1	4
39	0209	2	GB	4	5	4.1	3
39	0209	3	AT	1	5	3.9	2
39	0209	4	PC	0	3	8.3	1
39	0210	1	SS	5	7	-1	4
39	0210	2	GB	4	5	3.8	3
39	0210	3	AT	1	5	4.1	2
39	0210	4	PC	0	3	8	1
39	0211	1	SS	5	7	-1	4
39	0211	2	GB	4	5	4	3
39	0211	3	AT	1	5	3.9	2
39	0211	4	PC	0	3	11.3	1
39	0212	1	SS	5	7	-1	5
39	0212	2	GS	4	11	15	4
39	0212	3	GB	4	5	3.9	3
39	0212	4	AT	1	5	4	2
39	0212	5	PC	0	3	10.8	1
39	0259	1	SS	5	7	-1	4
39	0259	2	GS	4	11	18	3
39	0259	3	GB	4	5	6.3	2
39	0259	4	PC	0	3	10.9	1
39	0260	1	SS	5	7	-1	5
39	0260	2	GS	4	11	22	4
39	0260	3	GB	4	5	4.1	3
39	0260	4	AT	1	5	4	2
39	0260	5	PC	0	3	11.6	1

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
39	0261	1	SS	5	7	-1	4
39	0261	2	GB	4	5	4.3	3
39	0261	3	CT	2	5	4.2	2
39	0261	4	PC	0	3	11.1	1
39	0262	1	SS	5	7	-1	4
39	0262	2	GB	4	5	4.1	3
39	0262	3	CT	2	5	4.1	2
39	0262	4	PC	0	3	11.5	1
39	0263	1	SS	5	7	-1	3
39	0263	2	GB	4	5	7	2
39	0263	3	PC	0	3	11.1	1
39	0264	1	SS	5	7	-1	4
39	0264	2	GB	4	5	6	3
39	0264	3	CT	2	5	4	2
39	0264	4	PC	0	3	11.5	1
39	0265	1	SS	5	7	-1	5
39	0265	2	GS	4	11	30	4
39	0265	3	GB	4	5	4	3
39	0265	4	AT	1	5	3.8	2
39	0265	5	PC	0	3	11.2	1
53	0201	0	BR	6	0	-1	6
53	0201	1	SS	5	7	132	5
53	0201	2	GS	4	11	21.6	4
53	0201	3	GS	4	11	45	3
53	0201	4	GB	4	5	5.8	2
53	0201	5	PC	0	3	8.7	1
53	0202	0	BR	6	0	-1	5
53	0202	1	SS	5	7	12	4
53	0202	2	GS	4	11	36.3	3
53	0202	3	GB	4	5	6.5	2
53	0202	4	PC	0	3	8.3	1
53	0203	0	BR	6	0	-1	4
53	0203	1	SS	5	7	28.8	3
53	0203	2	GB	4	5	6.9	2
53	0203	3	PC	0	3	11.1	1
53	0204	0	BR	6	0	-1	6
53	0204	1	SS	5	7	68.4	5
53	0204	2	GS	4	11	21.6	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
53	0204	3	GS	4	11	39.7	3
53	0204	4	GB	4	5	5.9	2
53	0204	5	PC	0	3	11.2	1
53	0205	1	SS	5	7	-1	5
53	0205	2	GS	4	11	19.2	4
53	0205	3	GS	4	11	43	3
53	0205	4	CT	2	5	6.1	2
53	0205	5	PC	0	3	8.5	1
53	0206	0	BR	6	0	-1	6
53	0206	1	SS	5	7	105.6	5
53	0206	2	GS	4	11	18	4
53	0206	3	GS	4	11	37	3
53	0206	4	CT	2	5	6.2	2
53	0206	5	PC	0	3	8.6	1
53	0207	0	BR	6	0	-1	6
53	0207	1	SS	5	7	84	5
53	0207	2	GS	4	11	14.4	4
53	0207	3	GS	4	11	69.7	3
53	0207	4	CT	2	5	6.1	2
53	0207	5	PC	0	3	11.1	1
53	0208	0	BR	6	0	-1	6
53	0208	1	SS	5	7	48	5
53	0208	2	GS	4	11	20.4	4
53	0208	3	GS	4	11	33	3
53	0208	4	CT	2	5	6.5	2
53	0208	5	PC	0	3	11.2	1
53	0209	0	BR	6	0	-1	7
53	0209	1	SS	5	7	15.6	6
53	0209	2	GS	4	11	20.4	5
53	0209	3	GS	4	11	47	4
53	0209	4	GB	4	5	4.4	3
53	0209	5	AT	1	5	3.9	2
53	0209	6	PC	0	3	9	1
53	0210	0	BR	6	0	-1	6
53	0210	1	SS	5	7	32.4	5
53	0210	2	GS	4	11	48.7	4
53	0210	3	GB	4	5	4.5	3
53	0210	4	AT	1	5	3.8	2

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
53	0210	5	PC	0	3	8.3	1
53	0211	0	BR	6	0	-1	7
53	0211	1	SS	5	7	2.5	6
53	0211	2	GS	4	11	15	5
53	0211	3	GS	4	11	44	4
53	0211	4	GB	4	5	4.6	3
53	0211	5	AT	1	5	3.9	2
53	0211	6	PC	0	3	11.8	1
53	0212	0	BR	6	0	-1	7
53	0212	1	SS	5	7	14.4	6
53	0212	2	GS	4	11	20.4	5
53	0212	3	GS	4	11	51.3	4
53	0212	4	GB	4	5	4.6	3
53	0212	5	AT	1	5	3.5	2
53	0212	6	PC	0	3	11.3	1
53	0259	0	BR	6	0	-1	5
53	0259	1	SS	5	7	133	4
53	0259	2	GB	4	5	2	3
53	0259	3	AT	1	5	2.8	2
53	0259	4	PC	0	3	10.3	1
55	0213	1	SS	5	7	-1	4
55	0213	2	GS	4	11	24	3
55	0213	3	GB	4	5	8	2
55	0213	4	PC	0	3	8.5	1
55	0214	1	SS	5	7	-1	5
55	0214	2	GS	4	6	10	4
55	0214	3	GB	4	5	3	3
55	0214	4	GB	4	5	6	2
55	0214	5	PC	0	3	8.8	1
55	0215	1	SS	5	7	-1	4
55	0215	2	GS	4	6	10	3
55	0215	3	GB	4	5	6	2
55	0215	4	PC	0	3	11.5	1
55	0216	1	SS	5	7	-1	4
55	0216	2	GS	4	11	24	3
55	0216	3	GB	4	5	6.9	2
55	0216	4	PC	0	3	11.1	1
55	0217	1	SS	5	7	-1	4

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
55	0217	2	GS	4	11	24	3
55	0217	3	CT	2	5	6	2
55	0217	4	PC	0	3	8.5	1
55	0218	1	SS	5	7	-1	5
55	0218	2	GS	4	6	10	4
55	0218	3	GB	4	5	2.9	3
55	0218	4	CT	2	5	5.8	2
55	0218	5	PC	0	3	8.5	1
55	0219	1	SS	5	7	-1	4
55	0219	2	GS	4	11	18	3
55	0219	3	CT	2	5	5.7	2
55	0219	4	PC	0	3	11.6	1
55	0220	1	SS	5	7	-1	4
55	0220	2	GS	4	11	24	3
55	0220	3	CT	2	5	6.3	2
55	0220	4	PC	0	3	11.4	1
55	0221	1	SS	5	7	-1	5
55	0221	2	GS	4	11	24	4
55	0221	3	GB	4	5	6	3
55	0221	4	AT	1	5	3.3	2
55	0221	5	PC	0	3	8.4	1
55	0222	1	SS	5	7	-1	6
55	0222	2	GS	4	6	10	5
55	0222	3	GB	4	5	0.8	4
55	0222	4	GB	4	5	3.3	3
55	0222	5	AT	1	5	3.6	2
55	0222	6	PC	0	3	8.8	1
55	0223	1	SS	5	7	-1	5
55	0223	2	GS	4	6	8	4
55	0223	3	GB	4	5	3.2	3
55	0223	4	AT	1	5	3.6	2
55	0223	5	PC	0	3	11.6	1
55	0224	1	SS	5	7	-1	4
55	0224	2	GB	4	5	6.1	3
55	0224	3	AT	1	5	3.2	2
55	0224	4	PC	0	3	11.7	1
55	0259	1	SS	5	7	-1	4
55	0259	2	GS	4	11	24	3

State Code	SHRP ID	Layer No.	LTPP Layer Type	PME Layer Type	LTPP Layer Description	Layer Thickness	Strata Level
55	0259	3	GB	4	5	6	2
55	0259	4	PC	0	3	11.5	1
55	0260	1	SS	5	7	-1	4
55	0260	2	GS	4	11	24	3
55	0260	3	GB	4	5	6	2
55	0260	4	PC	0	3	11.3	1
55	0261	1	SS	5	7	-1	5
55	0261	2	GS	4	11	24	4
55	0261	3	GB	4	5	4	3
55	0261	4	CT	2	5	2.8	2
55	0261	5	PC	0	3	9.4	1
55	0262	1	SS	5	7	-1	5
55	0262	2	GS	4	6	10	4
55	0262	3	GB	4	5	2.8	3
55	0262	4	GB	4	5	6	2
55	0262	5	PC	0	3	8.7	1
55	0263	1	SS	5	7	-1	4
55	0263	2	GS	4	11	24	3
55	0263	3	GB	4	5	6	2
55	0263	4	PC	0	3	10.4	1
55	0264	1	SS	5	7	-1	4
55	0264	2	GS	4	11	24	3
55	0264	3	GB	4	5	4.7	2
55	0264	4	PC	0	3	11	1
55	0265	1	SS	5	7	-1	4
55	0265	2	GS	4	6	18	3
55	0265	3	GB	4	5	5.3	2
55	0265	4	PC	0	3	11.1	1
55	0266	1	SS	5	7	-1	4
55	0266	2	GS	4	11	24	3
55	0266	3	GB	4	5	6	2
55	0266	4	PC	0	3	11	1

Table B-22. PCC Properties

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
4	0213	1	2	0.57	2	408	2	630	4420	4673414	143	4.5
4	0214	1	2	0.36	2	806	2	840	6620	4581386	143	4.42
4	0215	1	2	0.57	2	408	2	685	4055	4547422	142	4.5
4	0216	1	2	0.37	2	799	2	825	6710	4871495	144	4.42
4	0217	1	2	0.57	2	408	2	623	4255	4673414	143	4.5
4	0217	2	2	1.04	2	241	2	701	4989	4624001	134	4.53
4	0218	1	2	0.36	2	806	2	925	6840	4667168	144	4.42
4	0218	2	2	1.04	2	241	2	701	4989	4624001	134	4.53
4	0219	1	2	0.57	2	408	2	623	4255	4673414	142	4.5
4	0219	2	2	1.04	2	241	2	701	4989	4624001	134	4.53
4	0220	1	2	0.37	2	799	2	840	6900	4815720	143	4.42
4	0220	2	2	1.04	2	241	2	701	4989	4624001	134	4.53
4	0221	1	2	0.57	2	408	2	623	4255	4673414	143	4.5
4	0222	1	2	0.37	2	799	2	950	6684	4751209	146	4.42
4	0223	1	2	0.57	2	408	2	623	4255	4673414	144	4.5
4	0224	1	2	0.37	2	799	2	825	6330	4763668	143	4.42
4	0262	1	2	0.56	2	400	2	670	4210	4917092	142	4.5
4	0263	1	2	0.55	2	408	2	623	4255	4673414	143	4.5
4	0264	1	2	0.55	2	408	2	623	4255	4673414	145	4.5
4	0265	1	2	0.55	2	408	2	545	4210	4673414	143	4.5
4	0266	1	2	0.57	2	408	2	623	4255	4673414	142	4.5
4	0267	1	2	0.57	2	408	2	580	4147	4375340	142	4.5
4	0268	1	2	0.57	2	408	2	625	4430	4853802	142	4.5
5	0213	1	3	0.63	1	335	2	414	4244	4200000	141	5.08
5	0214	1	3	0.37	1	724	2	713	4244	4200000	145	5.49
5	0215	1	3	0.63	1	335	2	483	4244	4200000	142	5
5	0216	1	3	0.37	1	724	2	713	4244	4200000	145	5.47
5	0217	1	3	0.63	1	335	2	491	4244	4200000	137	5.13
5	0217	2	3	0.46	1	529	2	1731	4244	4200000	143	5.01
5	0218	1	3	0.37	1	724	2	557	4244	4200000	138	5.47
5	0218	2	3	0.46	1	529	2	1731	4244	4200000	144	5.01
5	0219	1	3	0.63	1	335	2	439	4244	4200000	140	5.3

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
5	0219	2	3	0.46	1	529	2	1731	4244	4200000	142	5.01
5	0220	1	3	0.37	1	724	2	713	4244	4200000	141	5.44
5	0220	2	3	0.46	1	529	2	1731	4244	4200000	137	5.01
5	0221	1	3	0.63	1	335	2	555	4244	4200000	141	5.13
5	0222	1	3	0.37	1	724	2	713	4244	4200000	146	5.47
5	0223	1	3	0.63	1	335	2	493	4244	4200000	143	5.13
5	0224	1	3	0.37	1	724	2	752	4244	4200000	146	5.47
6	0201	1	3	0.94	2	386	2	690	5275	4200000	146	5.06
6	0202	1	3	0.56	2	799	2	690	5275	4200000	148	4.93
6	0203	1	3	0.94	2	386	2	690	5275	4200000	147	5.06
6	0204	1	3	0.56	2	799	2	690	5275	4200000	148	4.93
6	0205	1	3	0.94	2	386	2	690	5275	4200000	149	5.06
6	0205	2	3	1.49	2	270	2	690	5275	4200000	144	4.49
6	0206	1	3	0.56	2	799	2	690	5275	4200000	147	4.93
6	0206	2	3	1.49	2	270	2	690	5275	4200000	144	4.49
6	0207	1	3	0.94	2	386	2	690	5275	4200000	148	5.06
6	0207	2	3	1.49	2	270	2	690	5275	4200000	144	4.49
6	0208	1	3	0.56	2	799	2	690	5275	4200000	148	4.93
6	0208	2	3	1.49	2	270	2	690	5275	4200000	144	4.49
6	0209	1	3	0.94	2	386	2	690	5275	4200000	150	5.06
6	0210	1	3	0.56	2	799	2	690	5275	4200000	149	4.93
6	0211	1	3	0.94	2	386	1	690	5275	4200000	142	5.06
6	0212	1	3	0.56	2	799	2	690	5275	4200000	144	4.93
8	0213	1	3	0.57	2	412	2	630	3518	3600000	150	4.67
8	0214	1	3	0.34	2	759	2	950	6405	3800000	147	4.81
8	0215	1	3	0.57	2	412	2	580	3310	3100000	146	4.67
8	0216	1	3	0.34	2	759	2	925	6535	4400000	151	4.81
8	0217	1	3	0.57	2	412	2	588	3108	3266667	147	4.67
8	0217	2	3	0.46	2	567	2	725	4359	3695833	135	4.7
8	0218	1	3	0.34	2	759	2	950	6060	5500000	146	4.81
8	0218	2	3	0.46	2	567	2	725	4359	3695833	139	4.7
8	0219	1	3	0.57	2	412	2	640	3205	3400000	147	4.67
8	0219	2	3	0.46	2	567	2	725	4359	3695833	139	4.7

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
8	0220	1	3	0.34	2	759	2	988	5613	3275000	148	4.81
8	0220	2	3	0.46	2	567	2	725	4359	3695833	138	4.7
8	0221	1	3	0.57	2	412	2	470	2360	3233334	147	4.67
8	0222	1	3	0.34	2	756	2	952	5738	4575000	151	4.81
8	0223	1	3	0.57	2	412	2	560	2662	2400000	142	4.67
8	0224	1	3	0.34	2	756	2	700	5897	3800000	147	4.81
8	0259	1	3	0.43	2	572	2	770	4905	3695833	148	4.7
10	0201	1	3	0.45	1	564	2	767	4264	4200000	143	4.93
10	0202	1	3	0.3	1	736	2	1190	6635	4200000	143	4.28
10	0203	1	3	0.45	1	564	2	767	4264	4200000	139	4.93
10	0204	1	3	0.36	1	735	2	883	5292	4200000	143	4.28
10	0205	1	3	0.45	1	564	2	930	4820	4200000	142	5.61
10	0205	2	3	0.98	1	321	2	819	4697	4200000	132	4.71
10	0206	1	3	0.34	1	735	2	883	5292	4200000	143	4.28
10	0206	2	3	0.98	1	321	2	819	4697	4200000	132	4.71
10	0207	1	3	0.45	1	564	2	650	4055	4200000	137	4.93
10	0207	2	3	0.98	1	321	2	819	4697	4200000	132	4.71
10	0208	1	3	0.36	1	735	2	730	4300	4200000	143	4.28
10	0208	2	3	0.98	1	321	2	819	4697	4200000	133	4.71
10	0209	1	3	0.45	1	564	2	767	4264	4200000	139	4.93
10	0210	1	3	0.42	1	611	2	883	5292	4200000	143	4.28
10	0211	1	3	0.45	1	564	2	720	3917	4200000	141	4.25
10	0212	1	3	0.36	1	735	2	730	4940	4200000	143	4.28
10	0259	1	3	0.45	1	564	2	840	4575	4200000	139	5.17
10	0260	1	3	0.45	1	564	2	730	3842	4200000	139	4.5
19	0213	1	1	0.61	1	346	2	590	3775	1180970	133	4.21
19	0214	1	1	0.36	1	729	2	770	6165	1024990	132	4.59
19	0215	1	1	0.61	1	346	2	547	3338	4127713	132	4.31
19	0216	1	1	0.36	1	729	2	747	6202	4285050	134	4.59
19	0217	1	1	0.61	1	346	2	547	3338	4127713	132	3.89
19	0217	2	1	1.6	1	170	2	647	4770	4206382	132	4.73
19	0218	1	1	0.36	1	729	2	747	6202	4285050	134	4.59
19	0218	2	1	1.6	1	170	2	647	4770	4206382	132	4.73

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
19	0219	1	1	0.61	1	346	2	530	3020	5543340	128	4.43
19	0219	2	1	1.6	1	170	2	647	4770	4206382	132	4.73
19	0220	1	1	0.36	1	729	2	720	6105	4285050	129	4.59
19	0220	2	1	1.6	1	170	2	647	4770	4206382	132	4.73
19	0221	1	1	0.61	1	346	2	547	3338	4127713	138	4.21
19	0222	1	1	0.36	1	729	2	747	6202	4285050	136	4.59
19	0223	1	1	0.61	1	346	2	520	3220	5658830	135	4.21
19	0224	1	1	0.36	1	729	1	750	6335	7545110	131	4.59
19	0259	1	1	0.5	1	562	2	647	4770	4206382	134	4.73
20	0201	1	1	0.43	2	532	2	638	4946	4137143	137	4.76
20	0201	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
20	0201	3	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0202	1	1	0.35	2	862	2	911	6454	4660000	140	4.76
20	0202	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
20	0202	3	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0203	1	1	0.43	2	532	2	656	5001	4320000	136	4.76
20	0203	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
20	0203	3	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0204	1	1	0.35	2	862	2	849	7719	4490000	140	4.76
20	0204	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
20	0204	3	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0205	1	1	0.43	2	532	2	706	4602	4137143	137	4.76
20	0205	2	1	0.7	2	279	2	773	6029	4402381	139	4.76
20	0205	3	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0206	1	1	0.27	2	862	2	928	6589	4660000	140	4.76
20	0206	2	1	0.7	2	279	2	773	6029	4402381	135	4.76
20	0206	3	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0207	1	1	0.43	2	532	2	645	4415	4000000	136	4.76
20	0207	2	1	0.7	2	279	2	773	6029	4402381	135	4.76
20	0207	3	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0208	1	1	0.35	2	862	2	1035	7172	4830000	140	4.76
20	0208	2	1	0.7	2	279	2	773	6029	4402381	132	4.76
20	0208	3	1	0.46	2	606	2	773	6029	4402381	138	4.76

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
20	0209	1	1	0.43	2	532	2	576	5800	4137143	142	4.76
20	0209	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
20	0209	4	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0210	1	1	0.35	2	862	2	839	8635	4660000	142	4.76
20	0210	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
20	0210	4	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0211	1	1	0.43	2	532	2	674	5090	4137143	138	4.76
20	0211	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
20	0211	4	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0212	1	1	0.35	2	862	2	918	7177	4660000	142	4.76
20	0212	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
20	0212	4	1	0.46	2	606	2	773	6029	4402381	138	4.76
20	0259	1	1	0.42	2	620	2	677	4776	4402381	138	4.76
20	0259	2	1	0.46	2	606	2	773	6029	4402381	140	4.76
20	0259	3	1	0.46	2	606	2	773	6029	4402381	138	4.76
26	0213	1	2	0.56	1	376	2	1040	4400	4200000	141	3.82
26	0214	1	1	0.38	1	750	2	980	6070	4200000	143	4.46
26	0215	1	2	0.56	1	376	2	1040	4400	4200000	140	3.82
26	0216	1	1	0.38	1	750	2	973	6024	4200000	141	5.33
26	0217	1	2	0.56	2	376	2	1040	4400	4200000	141	3.82
26	0217	2	2	1.52	1	166	1	991	5237	4200000	137	4.38
26	0218	1	1	0.38	1	750	2	973	6024	4200000	140	4.06
26	0218	2	2	1.52	1	166	1	991	5237	4200000	137	4.38
26	0219	1	2	0.56	1	376	2	1040	4400	4200000	139	3.45
26	0219	2	2	1.55	1	166	1	991	5237	4200000	139	4.38
26	0220	1	1	0.38	1	750	2	1015	5940	4200000	141	5.11
26	0220	2	2	1.52	1	166	1	991	5237	4200000	137	4.38
26	0221	1	2	0.56	1	376	2	1040	4400	4200000	145	4.94
26	0222	1	1	0.38	1	750	2	973	6024	4200000	143	4
26	0223	1	2	0.56	1	376	2	1040	4400	4200000	140	3.82
26	0224	1	1	0.38	1	750	2	940	6050	4200000	142	4.46
26	0259	1	1	0.63	1	459	2	790	5550	4200000	139	4.38
32	0201	1	1	0.49	1	423	2	575	4025	2500000	137	4.09

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
32	0201	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0201	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0201	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0202	1	1	0.32	1	846	2	838	5357	3233333	138	4.09
32	0202	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0202	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0202	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0203	1	1	0.49	1	423	2	562	3663	2650000	138	4.09
32	0203	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0203	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0203	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0204	1	1	0.32	1	846	2	890	5460	3000000	136	4.09
32	0204	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0204	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0204	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0205	1	1	0.49	1	423	2	562	3663	2650000	137	4.09
32	0205	2	1	1.23	2	200	2	677	4369	2893056	138	4.09
32	0205	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0205	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0206	1	1	0.32	1	846	2	840	5420	3350000	138	4.09
32	0206	2	1	1.23	2	200	2	677	4369	2893056	138	4.09
32	0206	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0206	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0207	1	1	0.49	1	423	2	525	3365	3000000	139	4.09
32	0207	2	1	1.23	2	200	2	677	4369	2893056	138	4.09
32	0207	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0207	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0208	1	1	0.32	1	846	2	838	5357	3233333	135	4.09
32	0208	2	1	1.23	2	200	2	677	4369	2893056	138	4.09
32	0208	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0208	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0209	1	1	0.49	1	423	2	562	3663	2650000	142	4.09
32	0209	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
32	0209	4	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0209	5	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0210	1	1	0.32	1	846	2	785	5190	3350000	137	4.09
32	0210	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0210	4	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0210	5	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0211	1	1	0.49	1	423	2	585	3600	2450000	138	4.09
32	0211	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0211	4	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0211	5	1	0.56	2	527	2	677	4369	2893056	138	4.09
32	0259	1	1	0.41	1	611	2	562	3663	2650000	139	4.09
32	0259	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
32	0259	4	1	0.56	2	527	2	677	4369	2893056	138	4.09
37	0201	1	3	0.72	1	422	2	673	5707	4287000	146	4.11
37	0201	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
37	0201	3	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0202	1	3	0.45	1	773	2	670	5628	4234625	144	5.47
37	0202	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
37	0202	3	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0203	1	3	0.72	1	422	2	673	5707	4287000	140	4.06
37	0204	1	3	0.45	1	773	2	670	5628	4234625	136	5.78
37	0204	2	2	0.5	1	500	2	690	5275.35	50000	140	4.8
37	0204	3	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0205	1	3	0.72	1	422	2	673	5707	4287000	140	4.06
37	0205	2	3	0.15	1	370	2	670	5628	4234625	140	4.82
37	0205	3	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0206	1	3	0.45	1	773	2	670	5628	4234625	144	5.47
37	0206	2	3	0.15	1	370	2	670	5628	4234625	142	4.82
37	0206	3	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0207	1	3	0.72	1	422	2	736	4602	4287000	143	4.42
37	0207	2	3	0.15	1	370	2	670	5628	4234625	142	4.82
37	0208	1	3	0.45	1	773	2	670	5628	4234625	156	5.17
37	0208	2	3	0.15	1	370	2	670	5628	4234625	145	4.82

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
37	0208	3	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0209	1	3	0.72	1	422	2	673	5707	4287000	143	4.11
37	0209	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
37	0209	4	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0210	1	3	0.45	1	773	2	670	5628	4234625	144	5.47
37	0210	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
37	0210	4	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0211	1	3	0.72	1	422	2	673	5707	4287000	140	4.11
37	0211	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
37	0211	4	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0212	1	3	0.45	1	773	2	670	5628	4234625	141	5.47
37	0212	3	2	0.5	1	500	2	690	5275.35	50000	140	4.8
37	0212	4	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0259	1	3	0.62	1	494	2	616	5628	3868000	145	4.82
37	0259	3	3	0.49	1	540	2	670	5628	4234625	143	4.82
37	0260	1	3	0.72	1	422	2	642	6260	4287000	148	4.11
38	0213	1	0	0.68	1	329	2	710	3870	4500000	143	5.18
38	0214	1	0	0.38	1	666	2	945	5250	4850000	144	5.28
38	0215	1	0	0.68	1	329	2	661	3211	4500000	140	5.18
38	0216	1	0	0.38	1	666	2	980	5250	5200000	143	5.28
38	0217	1	0	0.68	1	329	2	665	2542	4500000	143	5.18
38	0217	2	0	1.36	1	212	2	775	4027	4640000	134	5.18
38	0218	1	0	0.38	1	666	2	945	5250	4850000	145	5.28
38	0218	2	0	1.36	1	212	1	775	4027	4640000	132	5.18
38	0219	1	0	0.68	1	329	2	661	3211	4500000	140	5.18
38	0219	2	0	1.36	1	212	1	775	4027	4640000	131	5.18
38	0220	1	0	0.38	1	666	2	910	5250	4500000	142	5.28
38	0220	2	0	1.36	1	212	1	775	4027	4640000	132	5.18
38	0221	1	0	0.68	1	329	2	630	3211	4800000	145	5.18
38	0222	1	0	0.38	1	666	2	945	5250	4850000	147	5.28
38	0223	1	0	0.68	1	329	2	661	3211	4500000	142	5.18
38	0224	1	0	0.38	1	666	2	945	5250	4850000	144	5.28
38	0259	1	0	0.5	1	491	2	775	4027	4640000	130	5.18

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
38	0260	1	0	0.53	1	491	2	775	4027	4640000	143	5.18
38	0261	1	0	0.99	1	329	2	661	3211	4500000	141	5.18
38	0262	1	0	0.68	1	329	2	640	3220	4200000	142	5.18
38	0262	2	0	1.36	1	212	1	775	4027	4640000	132	5.18
38	0263	1	0	0.68	1	329	2	661	3211	4500000	143	5.18
38	0264	1	0	0.53	1	491	2	775	4027	4640000	143	5.18
39	0201	1	1	0.47	1	516	2	831	5681	2710000	128	4.96
39	0202	1	1	0.36	1	755	2	890	7646	3540000	128	4.95
39	0203	1	1	0.47	1	516	2	702	5788	2940000	128	4.96
39	0204	1	1	0.36	1	755	2	834	7314	3905000	128	4.95
39	0205	1	1	0.47	1	516	2	804	5633	2710000	128	5.17
39	0205	2	1	1.47	1	160	2	761	6011	3318254	130	4.93
39	0206	1	1	0.36	1	755	2	834	7314	3905000	128	5.13
39	0206	2	1	1.47	1	160	2	761	6011	3318254	128	4.93
39	0207	1	1	0.47	1	516	2	804	5633	2710000	128	4.75
39	0207	2	1	1.47	1	160	2	761	6011	3318254	130	4.93
39	0208	1	1	0.36	1	755	2	784	6754	3905000	128	4.78
39	0208	2	1	1.47	1	160	2	761	6011	3318254	131	4.93
39	0209	1	1	0.47	1	516	2	804	5633	2710000	128	4.96
39	0210	1	1	0.36	1	755	2	834	7314	3905000	128	4.95
39	0211	1	1	0.47	1	516	2	880	5431	2480000	128	4.96
39	0212	1	1	0.36	1	755	2	828	7543	4270000	128	4.95
39	0259	1	1	0.36	1	755	2	489	7336	3890000	128	4.93
39	0260	1	1	0.47	1	516	2	790	5256	3520000	128	4.93
39	0261	1	1	0.47	1	516	2	661	6093	3313333	128	4.93
39	0261	2	1	0.34	1	250	1	761	6011	3318254	128	4.93
39	0262	1	1	0.47	1	516	2	705	5687	2530000	128	4.93
39	0262	2	1	0.34	1	250	1	761	6011	3318254	128	4.93
39	0263	1	1	0.47	1	516	2	661	6093	3313333	128	4.93
39	0264	1	1	0.45	1	556	2	661	6093	3313333	128	4.93
39	0264	2	1	0.34	1	250	2	761	6011	3318254	128	4.93
39	0265	1	1	0.47	1	516	2	661	6093	3313333	128	4.93
53	0201	1	7	0.54	2	426	2	616	3814	4200000	141	4.41

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
53	0202	1	5	0.31	2	925	2	1041	7214	4200000	142	4.41
53	0203	1	5	0.54	3	426	2	622	3406	4200000	140	4.41
53	0204	1	5	0.31	2	925	2	915	7112	4200000	139	4.41
53	0205	1	5	0.54	2	426	2	524	3834	4200000	136	4.41
53	0205	2	5	1.18	2	228	2	772	5422	4200000	137	4.41
53	0206	1	5	0.31	2	925	2	880	6922	4200000	143	4.41
53	0206	2	5	1.18	2	228	2	772	5422	4200000	138	4.41
53	0207	1	5	0.54	2	423	2	611	4300	4200000	143	4.41
53	0207	2	5	1.18	2	228	2	772	5422	4200000	138	4.41
53	0208	1	5	0.31	2	925	2	945	7083	4200000	138	4.41
53	0208	2	5	1.18	2	228	2	772	5422	4200000	138	4.41
53	0209	1	5	0.54	2	423	2	616	3814	4200000	144	4.41
53	0210	1	5	0.31	2	925	2	945	7083	4200000	142	4.41
53	0211	1	5	0.54	2	426	2	709	3716	4200000	143	4.41
53	0212	1	5	0.31	2	925	2	945	7083	4200000	140	4.41
53	0259	1	5	0.52	2	458	2	663	5104	4200000	143	4.41
55	0213	1	3	0.41	2	565	2	665	3995	4200000	138	4.64
55	0214	1	3	0.29	2	650	2	945	6882	4200000	141	4.06
55	0215	1	3	0.41	2	565	2	645	4580	4200000	141	4.64
55	0216	1	3	0.29	2	650	2	988	7086	4200000	145	4.06
55	0217	1	3	0.41	2	565	2	663	4708	4200000	138	4.64
55	0217	2	3	0.96	2	225	2	777	5540	4200000	132	4.68
55	0218	1	3	0.29	2	650	2	1115	7130	4200000	144	4.06
55	0218	2	3	0.96	2	225	2	777	5540	4200000	134	4.68
55	0219	1	3	0.41	2	565	2	663	4708	4200000	145	4.64
55	0219	2	3	0.96	2	225	2	777	5540	4200000	132	4.68
55	0220	1	3	0.29	2	650	2	970	6905	4200000	141	4.06
55	0220	2	3	0.96	2	225	2	777	5540	4200000	137	4.68
55	0221	1	3	0.41	2	565	2	663	4708	4200000	143	4.64
55	0222	1	3	0.29	2	650	2	988	7086	4200000	143	4.06
55	0223	1	3	0.41	2	565	2	700	4790	4200000	135	4.61
55	0224	1	3	0.29	2	650	2	920	7425	4200000	146	4.06
55	0259	1	3	0.41	2	565	2	663	4708	4200000	142	4.64

State Code	SHRP ID	Strata Level	Aggregate Type	Water Cement Ratio	Cement Type	Cement Material	Cure Method	Average Modulus of Rupture	Average Compression Strength	Average Modulus of Elasticity	Density	Thermal Expansion
55	0260	1	3	0.41	2	565	2	640	5130	4200000	139	4.67
55	0261	1	3	0.41	2	565	2	663	4708	4200000	142	4.64
55	0261	2	3	0.44	2	539	2	777	5540	4200000	147	4.68
55	0262	1	3	0.29	2	650	2	988	7086	4200000	142	4.06
55	0263	1	3	0.41	2	565	2	695	5480	4200000	145	4.64
55	0264	1	3	0.41	2	565	2	635	4275	4200000	140	4.64
55	0265	1	3	0.41	2	565	2	663	4708	4200000	140	4.64
55	0266	1	3	0.41	2	565	2	663	4708	4200000	141	4.64

Table B-23. Liquid and Plastic Limit of Unbound Material

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
4	0213	2	25	0
4	0213	3	23.5	0
4	0214	2	25	0
4	0214	3	23.5	1.2
4	0215	2	25	0
4	0215	3	23.5	1.2
4	0216	2	25	0
4	0216	3	22	3
4	0217	3	23.5	0
4	0217	4	23.5	0
4	0218	3	28	0
4	0218	4	28	0
4	0219	3	23.5	0
4	0219	4	23.5	0
4	0220	3	28	6
4	0220	4	28	6
4	0221	3	25	0
4	0221	4	23.5	1.2
4	0222	3	25	0
4	0222	4	31	11
4	0223	3	25	0
4	0223	4	23.5	0
4	0224	3	25	0
4	0224	4	31	7
4	0260	2	25	0
4	0260	3	24	5
4	0261	2	25	0
4	0261	3	25	4
4	0262	2	25	0
4	0262	3	23.5	1.2
4	0263	3	25	0
4	0263	4	28	8
4	0264	3	25	0
4	0264	4	40	22
4	0265	2	25	0
4	0265	3	36	17
4	0266	3	39	18
4	0266	4	39	18
4	0267	3	28	9
4	0267	4	28	9
4	0268	3	23	5
4	0268	4	23	5
5	0213	2	25	0
5	0213	3	20	6
5	0213	4	25	7
5	0214	2	25	0

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
5	0214	3	50	13.5
5	0214	4	25	7
5	0215	2	25	0
5	0215	3	22	5
5	0216	2	25	0
5	0216	3	39.3	19.3
5	0217	3	25	7
5	0217	4	25	0
5	0217	5	25	7
5	0218	3	25	7
5	0218	4	23	7.5
5	0218	5	25	7
5	0219	3	25	7
5	0219	4	24	10
5	0220	3	25	7
5	0220	4	25	0
5	0221	3	25	0
5	0221	4	39.3	19.3
5	0221	5	25	7
5	0222	3	25	0
5	0222	4	61.7	27.7
5	0223	3	25	0
5	0223	4	39	21
5	0224	3	25	0
5	0224	4	49	26
6	0201	2	25	0
6	0201	3	25	0
6	0202	2	25	0
6	0202	3	25	0
6	0203	2	25	0
6	0203	3	19	0
6	0204	2	25	0
6	0204	3	25	0
6	0205	3	25	0
6	0205	4	25	0
6	0206	3	19	0
6	0206	4	19	0
6	0207	3	19	0
6	0207	4	19	0
6	0208	3	25	0
6	0208	4	25	0
6	0209	3	25	0
6	0209	4	25	0
6	0210	3	25	0
6	0210	4	25	0
6	0211	3	25	0
6	0211	4	25	0

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
6	0212	3	25	0
6	0212	4	25	0
8	0213	2	18.8	0.3
8	0213	3	17	0
8	0214	2	18.8	0
8	0214	3	21.5	6.5
8	0215	2	18.8	0.3
8	0215	3	31	17
8	0216	2	18.8	0.3
8	0216	3	20	1.5
8	0217	3	34	23
8	0217	4	34	23
8	0218	3	25	7
8	0218	4	25	7
8	0219	3	24	10
8	0219	4	24	10
8	0220	3	25	7
8	0220	4	25	7
8	0221	3	18	0
8	0221	4	31.5	21
8	0222	3	20	2
8	0222	4	31	17
8	0223	3	19	0
8	0223	4	17	0
8	0224	3	18	0
8	0224	4	25	15
8	0259	2	25	0
8	0259	3	25	0
10	0201	2	23	1.3
10	0201	3	15.5	0.5
10	0201	4	7.5	0
10	0202	2	23	1.3
10	0202	3	14.5	0
10	0202	4	0	0
10	0203	2	23	1.3
10	0203	3	17	0.2
10	0203	4	8.3	0.4
10	0204	2	23	1.3
10	0204	3	14.2	0
10	0204	4	0	0
10	0205	3	12.5	0
10	0205	4	8.3	0.4
10	0206	3	14.2	0
10	0206	4	0	0
10	0207	3	17	0.2
10	0207	4	11.7	1
10	0208	3	14.2	0

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
10	0208	4	0	0
10	0209	3	23	1.3
10	0209	4	14.2	0
10	0209	5	19	3.8
10	0210	3	23	1.3
10	0210	4	16	0.5
10	0210	5	8.3	0.4
10	0211	3	23	1.3
10	0211	4	14	0
10	0211	5	19	3.8
10	0212	3	23	1.3
10	0212	4	18	0
10	0212	5	0	0
10	0259	2	23	1.3
10	0259	3	14.2	0
10	0259	4	0	0
10	0260	2	23	1.3
10	0260	3	17	0.2
10	0260	4	8.3	0.4
19	0213	2	25	0
19	0213	3	33.5	18.8
19	0213	4	33.5	18
19	0214	2	25	0
19	0214	3	35	20
19	0214	4	34	19
19	0215	2	25	0
19	0215	3	33.5	18.8
19	0215	4	33.5	18
19	0216	2	25	0
19	0216	3	37	22
19	0216	4	34	18
19	0217	3	33.5	18.8
19	0217	4	33.5	18
19	0218	3	34.5	19
19	0218	4	38.5	24
19	0219	3	35	17
19	0219	4	33.5	18
19	0220	3	34.5	20.5
19	0220	4	33	18
19	0221	3	25	0
19	0221	4	32	17
19	0221	5	32	20
19	0222	3	25	0
19	0222	4	31	17
19	0222	5	34	21
19	0223	3	25	0
19	0223	4	34	19

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
19	0223	5	33.5	18
19	0224	3	25	0
19	0224	4	32	18
19	0224	5	32	18.5
19	0259	2	25	0
19	0259	3	33.5	18.8
19	0259	4	34.4	20.7
20	0201	2	19	1.5
20	0201	4	45	27.5
20	0201	5	45	27.5
20	0202	2	18	1
20	0202	4	41.5	24.1
20	0202	5	41.5	24.1
20	0203	2	20.6	2.9
20	0203	4	40	24
20	0203	5	40	24
20	0204	2	19	1.5
20	0204	4	41.5	24.1
20	0204	5	41.5	24.1
20	0205	4	41.5	24.1
20	0205	5	41.5	24.1
20	0206	4	45.5	27.5
20	0206	5	45.5	27.5
20	0207	4	37	22.5
20	0207	5	37	22.5
20	0208	4	41.5	24.1
20	0208	5	41.5	24.1
20	0209	3	23	7
20	0209	5	48	33
20	0209	6	48	33
20	0210	3	20.6	2.9
20	0210	5	34	19
20	0210	6	34	19
20	0211	3	20.6	2.9
20	0211	5	35.5	19
20	0211	6	35.5	19
20	0212	3	24	8
20	0212	5	50.7	26
20	0212	6	50.7	26
20	0259	4	36.5	22
20	0259	5	36.5	22
26	0213	2	21	0.9
26	0213	3	25.5	11
26	0213	4	28.5	14
26	0214	2	21	0
26	0214	3	24.4	9.3
26	0214	4	25.1	11.4

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
26	0215	2	21	0
26	0215	3	22.5	9
26	0215	4	28.3	14
26	0216	2	21	0
26	0216	3	24.4	9.3
26	0216	4	25.1	11.4
26	0217	3	24.4	9.3
26	0217	4	25.1	11.4
26	0218	3	25	10.5
26	0218	4	23.5	10
26	0219	3	26.5	13.5
26	0219	4	24	11
26	0220	3	23.5	11
26	0220	4	23.5	8.5
26	0221	3	21	0.9
26	0221	4	24.4	9.3
26	0221	5	25.1	11.4
26	0222	3	21	0.9
26	0222	4	24.5	10.5
26	0222	5	21	8.5
26	0223	3	20	4
26	0223	4	24.4	9.3
26	0223	5	38	19
26	0224	3	22	5
26	0224	4	23.5	9
26	0224	5	28.3	14.3
26	0259	3	21	0
26	0259	4	24.4	0
26	0259	5	25.5	13
32	0201	2	25	0
32	0201	3	25	0
32	0201	5	25	0
32	0201	6	25	0
32	0202	2	25	0
32	0202	3	25	0
32	0202	5	25	0
32	0202	6	25	0
32	0203	2	25	0
32	0203	3	25	0
32	0203	5	25	0
32	0203	6	25	0
32	0204	2	25	0
32	0204	3	25	0
32	0204	5	25	0
32	0204	6	25	0
32	0205	3	25	0
32	0205	5	42	19

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
32	0205	6	42	19
32	0206	3	25	0
32	0206	5	25	0
32	0206	6	25	0
32	0207	3	25	0
32	0207	5	25	0
32	0207	6	25	0
32	0208	3	25	0
32	0208	5	25	0
32	0208	6	25	0
32	0209	3	25	0
32	0209	4	25	0
32	0209	6	25	0
32	0209	7	25	0
32	0210	3	25	0
32	0210	4	25	0
32	0210	6	25	0
32	0210	7	25	0
32	0211	3	25	0
32	0211	4	25	0
32	0211	6	25	0
32	0211	7	25	0
32	0259	3	25	7
32	0259	5	42	19
32	0259	6	42	19
37	0201	2	20	1.5
37	0201	4	57.5	27
37	0201	5	57.5	27
37	0202	2	19.5	0.5
37	0202	4	45	15
37	0202	5	45	15
37	0203	2	21	2
37	0203	3	44	5.5
37	0203	4	48.5	9.3
37	0204	2	16	0
37	0204	4	48.5	9.3
37	0204	5	48.5	9.3
37	0205	4	46	16
37	0205	5	46	16
37	0206	4	45	5.5
37	0206	5	45	5.5
37	0207	3	47	0
37	0207	4	37	0
37	0208	4	64	23
37	0208	5	64	23
37	0209	3	19.3	1
37	0209	5	54	20.7

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
37	0209	6	54	20.7
37	0210	3	19.3	1
37	0210	5	47	13.5
37	0210	6	47	13.5
37	0211	3	19.3	1
37	0211	5	48.5	9.3
37	0211	6	48.5	9.3
37	0212	3	19.3	1
37	0212	5	48	22
37	0212	6	48	22
37	0259	4	53.7	23.3
37	0259	5	53.7	23.3
37	0260	3	45	3.7
37	0260	4	48.5	9.3
38	0213	2	25	0
38	0213	3	50.6	29.1
38	0213	4	51.5	32.9
38	0214	2	25	0
38	0214	3	45	27
38	0214	4	50	32
38	0215	2	25	0
38	0215	3	47.5	29
38	0215	4	51	34
38	0216	2	25	0
38	0216	3	50.6	29.1
38	0216	4	51.5	32.9
38	0217	3	46	29
38	0217	4	51	34
38	0218	3	50.6	29.1
38	0218	4	51.5	32.9
38	0219	3	61	42
38	0219	4	54	35
38	0220	3	54	34
38	0220	4	53	36
38	0221	3	25	0
38	0221	4	50.6	0
38	0221	5	51.5	32.9
38	0222	3	25	0
38	0222	4	56	37
38	0222	5	51.5	32.9
38	0223	3	25	0
38	0223	4	50	33
38	0223	5	51.5	32.9
38	0224	3	25	0
38	0224	4	46	25
38	0224	5	46	24
38	0259	3	25	7

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
38	0259	4	50.6	29.1
38	0259	5	51.5	32.9
38	0260	2	25	0
38	0260	3	52	33
38	0260	4	55	37
38	0261	2	25	0
38	0261	3	50.6	29.1
38	0261	4	51.5	32.9
38	0262	3	50.6	29.1
38	0262	4	51.5	32.9
38	0263	3	25	0
38	0263	4	52	31
38	0263	5	52	31
38	0264	3	25	0
38	0264	4	50.6	29.1
38	0264	5	51.5	32.9
39	0201	2	25	0
39	0201	3	34.9	16.9
39	0202	2	25	0
39	0202	3	30	13
39	0203	2	25	0
39	0203	3	34.9	16.9
39	0204	2	25	0
39	0204	3	34	18.5
39	0204	4	40	22
39	0205	3	37	17
39	0205	4	37	17
39	0206	3	34.9	16.9
39	0206	4	34.9	16.9
39	0207	3	30	13
39	0207	4	30	13
39	0208	3	34.9	16.9
39	0208	4	34.9	16.9
39	0208	5	25	7
39	0209	3	25	0
39	0209	4	32	16
39	0210	3	25	0
39	0210	4	31	15
39	0211	3	25	0
39	0211	4	30.5	14
39	0212	3	25	0
39	0212	4	41	23
39	0212	5	34.9	16.9
39	0259	2	25	0
39	0259	3	36.3	20
39	0259	4	34.9	16.9
39	0260	3	25	0

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
39	0260	4	36.3	20
39	0260	5	34.9	16.9
39	0261	3	25	0
39	0261	4	34.9	16.9
39	0262	3	25	0
39	0262	4	47	27
39	0263	2	25	0
39	0263	3	34.9	16.9
39	0264	3	25	0
39	0264	4	41	18
39	0265	3	25	0
39	0265	4	36.3	20
39	0265	5	34.9	16.9
53	0201	2	25	0
53	0201	3	0	0
53	0201	4	25	7
53	0201	5	25	7
53	0201	6	25	7
53	0202	2	25	0
53	0202	3	0	0
53	0202	4	25	7
53	0202	5	25	7
53	0203	2	25	0
53	0203	3	25	7
53	0203	4	25	7
53	0204	2	25	0
53	0204	3	0	0
53	0204	4	25	7
53	0204	5	25	7
53	0204	6	25	7
53	0205	3	0	0
53	0205	4	25	7
53	0205	5	25	7
53	0206	3	0	0
53	0206	4	25	7
53	0206	5	25	7
53	0206	6	25	7
53	0207	3	0	0
53	0207	4	25	7
53	0207	5	25	7
53	0207	6	25	7
53	0208	3	0	0
53	0208	4	25	7
53	0208	5	25	7
53	0208	6	25	7
53	0209	3	25	0
53	0209	4	0	0

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
53	0209	5	25	7
53	0209	6	25	7
53	0209	7	25	7
53	0210	3	25	0
53	0210	4	0	0
53	0210	5	25	7
53	0210	6	25	7
53	0211	3	25	0
53	0211	4	0	0
53	0211	5	25	7
53	0211	6	25	7
53	0211	7	25	7
53	0212	3	25	0
53	0212	4	26	0.5
53	0212	5	25	7
53	0212	6	25	0
53	0212	7	25	7
53	0259	3	25	0
53	0259	4	25	0
53	0259	5	25	7
55	0213	2	15	0
55	0213	3	13	0
55	0213	4	14.5	0
55	0214	2	14	0
55	0214	3	12	0
55	0214	4	14	0
55	0214	5	13.2	0
55	0215	2	14	0
55	0215	3	13.3	0
55	0215	4	13.2	0
55	0216	2	13	0
55	0216	3	13	0
55	0216	4	13	0
55	0217	3	13.3	0
55	0217	4	13.2	0
55	0218	3	12	0
55	0218	4	13	0
55	0218	5	11	0
55	0219	3	13.3	0
55	0219	4	13.2	0
55	0220	3	13.3	0
55	0220	4	13.2	0
55	0221	3	14	0
55	0221	4	14.5	0
55	0221	5	12.6	0
55	0222	3	14	0
55	0222	4	12	0

State Code	SHRP ID	Strata Level	Liquid Limit	Plastic Limit
55	0222	5	13.3	0
55	0222	6	15	0
55	0223	3	14	0
55	0223	4	13.3	0
55	0223	5	15	0
55	0224	3	14	0
55	0224	4	13.2	0
55	0259	2	14	0
55	0259	3	13.3	0
55	0259	4	13.2	0
55	0260	2	14	0
55	0260	3	13.3	0
55	0260	4	13.2	0
55	0261	3	14	0
55	0261	4	13.5	0
55	0261	5	15	0
55	0262	2	14	0
55	0262	3	12	0
55	0262	4	13	0
55	0262	5	13.2	0
55	0263	2	14	0
55	0263	3	14	0
55	0263	4	13.2	0
55	0264	2	14	0
55	0264	3	13.3	0
55	0264	4	13.2	0
55	0265	2	14	0
55	0265	3	13.3	0
55	0265	4	13.2	0
55	0266	2	14	0
55	0266	3	13.3	0
55	0266	4	13.2	0

Table B-24. Unbound Material Gradation

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
4	0213	2	100	100	99.9	99.6	91.6	69.8	61.6	51.6	45	24.8	14.6	9.3
4	0213	3	100	100	100	98	97	94	92	85	76	50	35	24.8
4	0214	2	100	100	100	100	90	64	55	44	38	20	11	6.3
4	0214	3	100	100	99.7	99	98	95.5	93.3	87	80.7	55.3	38.8	26.2
4	0215	2	100	100	100	100	94	72	64	54	48	26	14	8
4	0215	3	100	100	99.7	99	98	95.5	93.3	87	80.7	55.3	38.8	26.2
4	0216	2	100	100	99.9	99.6	91.6	69.8	61.6	51.6	45	24.8	14.6	9.3
4	0216	3	100	100	100	100	99	97	93	83	75	49	35	25.6
4	0217	3	100	100	100	100	99	96	94	89	84	56	36	22.5
4	0217	4	100	100	100	100	99	96	94	89	84	56	36	22.5
4	0218	3	100	100	100	98	97	88	82	67	54	33	26	18.5
4	0218	4	100	100	100	98	97	88	82	67	54	33	26	18.5
4	0219	3	100	100	100	100	100	99	98	94	89	68	53	33.3
4	0219	4	100	100	100	100	100	99	98	94	89	68	53	33.3
4	0220	3	100	100	100	99	97	93	90	83	76	47	31	20.9
4	0220	4	100	100	100	99	97	93	90	83	76	47	31	20.9
4	0221	3	100	100	100	100	92	70	61	50	44	22	12	7.4
4	0221	4	100	100	99.7	99	98	95.5	93.3	87	80.7	55.3	38.8	26.2
4	0222	3	100	100	99.9	99.6	91.6	69.8	61.6	51.6	45	24.8	14.6	9.3
4	0222	4	100	100	100	98	95	92	89	81	71	45	31	21.7
4	0223	3	100	100	99.9	99.6	91.6	69.8	61.6	51.6	45	24.8	14.6	9.3
4	0223	4	100	100	100	99	97	95	93	88	82	53	34	21.1
4	0224	3	100	100	100	100	91	65	57	46	40	21	12	6.9
4	0224	4	100	100	100	100	98	96	94	89	83	61	52	40.9
4	0260	2	100	100	100	100	89	64	55	44	37	19	11	6.7
4	0260	3	100	100	100	99	98	97	96	92	87	64	49	35.8

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
4	0261	2	100	100	99.9	99.6	91.6	69.8	61.6	51.6	45	24.8	14.6	9.3
4	0261	3	100	100	98	97	96	92	90	83	78	56	40	29.9
4	0262	2	100	100	100	100	93	71	61	51	45	24	12	8
4	0262	3	100	100	99.7	99	98	95.5	93.3	87	80.7	55.3	38.8	26.2
4	0263	3	100	100	99.9	99.6	91.6	69.8	61.6	51.6	45	24.8	14.6	9.3
4	0263	4	100	100	100	98	97	95	94	89	82	58	44	33
4	0264	3	100	100	100	100	88	57	47	36	31	15	8	5.1
4	0264	4	100	100	100	100	100	97	90	81	72	54	44	25.8
4	0265	2	100	100	99	97	96	95	93	88	77	51	37	25.7
4	0265	3	100	100	100	99.1	97.8	94.7	91.7	84.6	76.4	52.9	41.1	29.3
4	0266	3	100	100	100	100	99	97	96	91	83	61	50	36.9
4	0266	4	100	100	100	100	99	97	96	91	83	61	50	36.9
4	0267	3	100	100	100	99	98	97	95	90	85	58	44	30.9
4	0267	4	100	100	100	99	98	97	95	90	85	58	44	30.9
4	0268	3	100	100	100	100	99	97	95	90	82	59	48	35.1
4	0268	4	100	100	100	100	99	97	95	90	82	59	48	35.1
5	0213	2	100	100	100	94	87	73	66	50	34	16	9	5.6
5	0213	3	100	100	100	98	92	81	74	59	46	32	22	16.3
5	0213	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0214	2	100	100	100	97	94	87	80	63	43	21	12	7.2
5	0214	3	100	100	99.3	98.3	96	90	86.3	77.3	68.7	58.7	52.3	45.3
5	0214	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0215	2	100	100	98.7	87	75.3	60.3	52.7	37.7	24.7	12	7	4.3
5	0215	3	100	100	95	91	86	75	67	51	38	26	18	13.8
5	0216	2	100	100	98.7	87	75.3	60.3	52.7	37.7	24.7	12	7	4.3
5	0216	3	100	100	100	99	96	90.3	86.3	75	64.3	51.7	44	39.1
5	0217	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0217	4	100	100	100	100	99	86	76	54	37	24	14	10.5

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
5	0217	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0218	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0218	4	100	100	96.5	94	90	80	71.5	54.5	40.5	28	19.5	15.5
5	0218	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0219	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0219	4	100	100	98	97	94	85	76	58	43	30	21	17.2
5	0220	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0220	4	100	100	100	100	99	86	76	54	37	24	14	10.5
5	0221	3	100	100	98.7	87	75.3	60.3	52.7	37.7	24.7	12	7	4.3
5	0221	4	100	100	100	99	96	90.3	86.3	75	64.3	51.7	44	39.1
5	0221	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
5	0222	3	100	100	100	92	81	66	57	39	24	12	7	4.3
5	0222	4	100	100	100	100	99.7	98.3	97.3	92.3	88.7	82	77.3	73.4
5	0223	3	100	100	96	75	58	42	35	24	16	8	5	3
5	0223	4	100	100	100	99	98.6	97.2	95.2	88.2	81.8	73.2	67	49.8
5	0224	3	100	100	100	100	100	95	89	71	50	23	11	5.3
5	0224	4	100	100	100	99.5	98	95	92.5	83	73.5	61.5	55	50.4
6	0201	2	100	100	100	86	72	57.4	50.4	40.4	33.6	20.6	13.4	8.9
6	0201	3	100	100	100	100	99.8	99.2	99	98.5	97.8	78.2	42.8	18.5
6	0202	2	100	100	100	88	73	59	53	43	37	22	14	8.9
6	0202	3	100	100	100	100	100	100	100	100	100	80	44	18.1
6	0203	2	100	100	100	86	72	57.4	50.4	40.4	33.6	20.6	13.4	8.9
6	0203	3	100	100	100	100	98	92.5	90	85.5	82.5	64	31.5	10.2
6	0204	2	100	100	100	86	72	57.4	50.4	40.4	33.6	20.6	13.4	8.9
6	0204	3	100	100	100	100	100	100	100	100	99	80	46	21.4
6	0205	3	100	100	100	100	99.8	99.2	99	98.5	97.8	78.2	42.8	18.5
6	0205	4	100	100	100	100	99.8	99.2	99	98.5	97.8	78.2	42.8	18.5
6	0206	3	100	100	100	100	100	100	100	99.5	99.5	79.5	41	15.2

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
6	0206	4	100	100	100	100	100	100	100	99.5	99.5	79.5	41	15.2
6	0207	3	100	100	100	100	100	100	100	100	100	79	42	14.4
6	0207	4	100	100	100	100	100	100	100	100	100	79	42	14.4
6	0208	3	100	100	100	100	99.8	99.2	99	98.5	97.8	78.2	42.8	18.5
6	0208	4	100	100	100	100	99.8	99.2	99	98.5	97.8	78.2	42.8	18.5
6	0209	3	100	100	100	86	72	57.4	50.4	40.4	33.6	20.6	13.4	8.9
6	0209	4	100	100	100	100	99.8	99.2	99	98.5	97.8	78.2	42.8	18.5
6	0210	3	100	100	100	88	72	58	51	41	33	19	12	8
6	0210	4	100	100	100	100	100	100	100	100	99	78	40	16.1
6	0211	3	100	100	100	81.5	69.5	55	47.5	37.5	31	20.5	14	9.8
6	0211	4	100	100	100	100	99	97	96	94	93	75	41	18.4
6	0212	3	100	100	100	91	76	60	53	43	36	21	13	8.2
6	0212	4	100	100	100	100	99.8	99.2	99	98.5	97.8	78.2	42.8	18.5
8	0213	2	100	100	100	98.5	92.7	81.7	73	59.3	43.7	23.2	13.8	8.8
8	0213	3	100	100	100	98	97	96	96	94	91	70	29	10.9
8	0214	2	100	100	100	95	88	74	68	60	40	22	14	8.4
8	0214	3	100	100	99.5	99.5	98.5	96	95	92.5	87	67.5	41	22.4
8	0215	2	100	100	100	98.5	92.7	81.7	73	59.3	43.7	23.2	13.8	8.8
8	0215	3	100	100	100	100	100	99	99	97	95	89	77	61.3
8	0216	2	100	100	100	98.5	92.7	81.7	73	59.3	43.7	23.2	13.8	8.8
8	0216	3	100	100	100	99.5	98.5	96.5	94	92.5	88	66.5	35.5	20.2
8	0217	3	100	100	100	100	100	100	100	99	98	85	66	51.1
8	0217	4	100	100	100	100	100	100	100	99	98	85	66	51.1
8	0218	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
8	0218	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
8	0219	3	100	100	99	97	96	93	90	86	78	62	43	30.5
8	0219	4	100	100	99	97	96	93	90	86	78	62	43	30.5
8	0220	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
8	0220	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
8	0221	3	100	100	100	98	92	83.5	71	54	37.5	16	8.5	6
8	0221	4	100	100	100	100	99.5	99	99	97.5	95	85	67	50.9
8	0222	3	100	100	100	100	93	81	75	62	50	32	20	11.8
8	0222	4	100	100	100	100	100	99	99	97	95	89	77	61.3
8	0223	3	100	100	100	100	96	85	79	68	53	30	18	10.8
8	0223	4	100	100	100	100	100	99.5	99.5	99.5	99.5	75.5	37	15.2
8	0224	3	100	100	100	100	95	83	74	58	44	23	14	9.6
8	0224	4	100	100	100	100	100	100	100	99	98	80	57	39.9
8	0259	2	100	100	100	100	100	100	100	100	100	90	56	29.9
8	0259	3	100	100	100	100	100	100	100	100	100	90	56	29.9
10	0201	2	100	100	100	92	79.5	65	57.2	43.5	33.8	23.8	19.5	15.3
10	0201	3	100	100	100	99.7	99.3	99.3	99.3	98.7	98.3	77.7	26.7	11.5
10	0201	4	100	100	100	100	100	100	100	99.7	99	77	45.3	21.4
10	0202	2	100	100	100	93	81	66.7	59	45	35.3	25.3	20.7	16.1
10	0202	3	100	100	100	99	98.3	97.7	97.3	96.3	96	73	25.7	10.6
10	0202	4	100	100	100	100	100	99.8	99.8	99.8	98.8	76	41.2	18.1
10	0203	2	100	100	100	92	79.5	65	57.2	43.5	33.8	23.8	19.5	15.3
10	0203	3	100	100	100	100	99.8	99.7	99.3	98.2	97.5	77	31.3	16
10	0203	4	100	100	100	100	100	99.6	99.1	98.5	97.2	75.4	44.2	23.1
10	0204	2	100	100	100	89	75	60	52	39	29	19	16	12.6
10	0204	3	100	100	100	100	100	100	99	99	99	76	27	13.3
10	0204	4	100	100	100	99.7	99.7	99.7	99.7	98.7	98.7	78	38	10.1
10	0205	3	100	100	100	100	100	100	100	99.5	98.5	78.5	30	16.6
10	0205	4	100	100	100	100	100	99.6	99.1	98.5	97.2	75.4	44.2	23.1
10	0206	3	100	100	100	98.5	97.7	96.5	95.7	94.3	93.5	71.8	27.3	12.9
10	0206	4	100	100	100	99.9	99.9	99.7	99.7	99.3	98.7	76.9	39.9	14.7
10	0207	3	100	100	100	100	100	100	100	99	99	76	28	13.2

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
10	0207	4	100	100	100	100	100	99.7	99.7	99.3	98.3	79	48.3	26.5
10	0208	3	100	100	100	98.5	97.7	96.5	95.7	94.3	93.5	71.8	27.3	12.9
10	0208	4	100	100	100	99.9	99.9	99.7	99.7	99.3	98.7	76.9	39.9	14.7
10	0209	3	100	100	100	92	79.5	65	57.2	43.5	33.8	23.8	19.5	15.3
10	0209	4	100	100	100	98.5	97.7	96.5	95.7	94.3	93.5	71.8	27.3	12.9
10	0209	5	100	100	100	100	100	100	100	99.4	99	80.4	49.8	31.5
10	0210	3	100	100	100	92	79.5	65	57.2	43.5	33.8	23.8	19.5	15.3
10	0210	4	100	100	100	100	99.5	99	99	98.5	98	79	27.5	10
10	0210	5	100	100	100	100	100	99.6	99.1	98.5	97.2	75.4	44.2	23.1
10	0211	3	100	100	100	92	79.5	65	57.2	43.5	33.8	23.8	19.5	15.3
10	0211	4	100	100	100	97	95.5	93	91.5	89	87	68	30	16.2
10	0211	5	100	100	100	100	100	100	100	99.4	99	80.4	49.8	31.5
10	0212	3	100	100	100	92	79.5	65	57.2	43.5	33.8	23.8	19.5	15.3
10	0212	4	100	100	100	100	100	100	99.3	97.7	96.7	76	35	21
10	0212	5	100	100	100	100	100	99	97	95.5	93	67.5	36.5	20.6
10	0259	2	100	100	100	92	79.5	65	57.2	43.5	33.8	23.8	19.5	15.3
10	0259	3	100	100	100	98.5	97.7	96.5	95.7	94.3	93.5	71.8	27.3	12.9
10	0259	4	100	100	100	99.9	99.9	99.7	99.7	99.3	98.7	76.9	39.9	14.7
10	0260	2	100	100	100	92	79.5	65	57.2	43.5	33.8	23.8	19.5	15.3
10	0260	3	100	100	100	100	99.8	99.7	99.3	98.2	97.5	77	31.3	16
10	0260	4	100	100	100	100	100	99.6	99.1	98.5	97.2	75.4	44.2	23.1
19	0213	2	100	100	100	100	99	87	79	64	47	17	10	8.6
19	0213	3	100	100	100	99.5	99.4	98.6	98.4	97.2	94.8	86.1	73	63.2
19	0213	4	100	100	100	100	100	99.5	99	98.5	97	91	82.5	75.6
19	0214	2	100	100	100	100	100	88	80	64	46	17	9	8.4
19	0214	3	100	100	100	100	100	99	99	99	95	86	73	62.8
19	0214	4	100	100	100	100	100	99	99	98	96	87	75	64.8
19	0215	2	100	100	100	100	99.3	88.3	80.3	65	47.3	17	9.3	8.4

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
19	0215	3	100	100	100	99.5	99.4	98.6	98.4	97.2	94.8	86.1	73	63.2
19	0215	4	100	100	100	100	100	99.5	99	98.5	97	91	82.5	75.6
19	0216	2	100	100	100	100	99	90	82	67	49	17	9	8.1
19	0216	3	100	100	100	100	100	99	99	98	95	85	70	59.5
19	0216	4	100	100	100	100	100	100	99	99	97	91	82	74.6
19	0217	3	100	100	100	99.5	99.4	98.6	98.4	97.2	94.8	86.1	73	63.2
19	0217	4	100	100	100	100	100	99.5	99	98.5	97	91	82.5	75.6
19	0218	3	100	100	100	100	99.5	99.5	99	98	96	88.5	76.5	67.8
19	0218	4	100	100	100	99.5	99	99	99	98	96	83.5	76	66.6
19	0219	3	100	100	100	100	100	100	100	98	96	85	69	56.6
19	0219	4	100	100	100	100	100	99.5	99	98.5	97	91	82.5	75.6
19	0220	3	100	100	100	100	100	99.5	99	98.5	97	91	82	74.4
19	0220	4	100	100	100	100	100	99	99	98	97	91	83	76.6
19	0221	3	100	100	100	100	99.3	88.3	80.3	65	47.3	17	9.3	8.4
19	0221	4	100	100	100	99	99	98	98	96	95	87	74	64.2
19	0221	5	100	100	100	100	100	99	99	98	96	88	75	65.4
19	0222	3	100	100	100	100	99.3	88.3	80.3	65	47.3	17	9.3	8.4
19	0222	4	100	100	100	100	100	99	99	98	95	86	72	62.5
19	0222	5	100	100	100	100	100	99	99	98	95	86	73	62.9
19	0223	3	100	100	100	100	99.3	88.3	80.3	65	47.3	17	9.3	8.4
19	0223	4	100	100	100	100	99	99	98	97	95	87	75	63.7
19	0223	5	100	100	100	100	100	99.5	99	98.5	97	91	82.5	75.6
19	0224	3	100	100	100	100	99.3	88.3	80.3	65	47.3	17	9.3	8.4
19	0224	4	100	100	100	98.5	98.5	97.5	97	95.5	93	84	71	60.2
19	0224	5	100	100	100	100	100	99.5	98.5	97.5	95.5	87	75	65.5
19	0259	2	100	100	100	100	99.3	88.3	80.3	65	47.3	17	9.3	8.4
19	0259	3	100	100	100	99.5	99.4	98.6	98.4	97.2	94.8	86.1	73	63.2
19	0259	4	100	100	100	99.9	99.7	99.1	98.9	97.9	95.7	86	75	65.3

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
20	0201	2	100	100	100	96.7	84.7	68	57.3	43	29.7	14.3	11.3	9.9
20	0201	4	100	100	100	100	100	100	100	100	99	96	94	92.1
20	0201	5	100	100	100	100	100	100	100	100	99	96	94	92.1
20	0202	2	100	100	100	97	87	74	65	49.5	33.5	16.5	13	11.4
20	0202	4	100	100	100	100	100	99.9	99.5	98.4	97.3	92.5	87.2	84.3
20	0202	5	100	100	100	100	100	99.9	99.5	98.4	97.3	92.5	87.2	84.3
20	0203	2	100	100	100	95.7	83	67	57.2	43.2	30.4	15.4	12.4	10.9
20	0203	4	100	100	100	100	100	100	99	97	93	73	65	62.5
20	0203	5	100	100	100	100	100	100	99	97	93	73	65	62.5
20	0204	2	100	100	100	93	75	57.5	48	37	28	15	12.5	11.3
20	0204	4	100	100	100	100	100	99.9	99.5	98.4	97.3	92.5	87.2	84.3
20	0204	5	100	100	100	100	100	99.9	99.5	98.4	97.3	92.5	87.2	84.3
20	0205	4	100	100	100	100	100	99.9	99.5	98.4	97.3	92.5	87.2	84.3
20	0205	5	100	100	100	100	100	99.9	99.5	98.4	97.3	92.5	87.2	84.3
20	0206	4	100	100	100	100	100	100	100	99	98	92	88	86.9
20	0206	5	100	100	100	100	100	100	100	99	98	92	88	86.9
20	0207	4	100	100	100	100	100	100	100	100	99	96	84	78.1
20	0207	5	100	100	100	100	100	100	100	100	99	96	84	78.1
20	0208	4	100	100	100	100	100	99.9	99.5	98.4	97.3	92.5	87.2	84.3
20	0208	5	100	100	100	100	100	99.9	99.5	98.4	97.3	92.5	87.2	84.3
20	0209	3	100	100	100	97	87	72	62	45	30	14	11	9.3
20	0209	5	100	100	100	100	100	100	100	100	99	98	94	90.1
20	0209	6	100	100	100	100	100	100	100	100	99	98	94	90.1
20	0210	3	100	100	100	95.7	83	67	57.2	43.2	30.4	15.4	12.4	10.9
20	0210	5	100	100	100	100	100	100	97	91	88	83	80	77.6
20	0210	6	100	100	100	100	100	100	97	91	88	83	80	77.6
20	0211	3	100	100	100	95.7	83	67	57.2	43.2	30.4	15.4	12.4	10.9
20	0211	5	100	100	100	100	100	100	100	100	100	99	96	93.2

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
20	0211	6	100	100	100	100	100	100	100	100	100	99	96	93.2
20	0212	3	100	100	100	94	82	64	55	42	32	19	16	13.9
20	0212	5	100	100	100	100	100	99.5	99.5	99.5	99.5	97.5	94.5	92.8
20	0212	6	100	100	100	100	100	99.5	99.5	99.5	99.5	97.5	94.5	92.8
20	0259	4	100	100	100	100	100	100	100	98	98	93	82	76.9
20	0259	5	100	100	100	100	100	100	100	98	98	93	82	76.9
26	0213	2	100	100	100	92.9	79.7	62.2	53.5	37.6	25.2	14.8	12.3	10.6
26	0213	3	100	100	100	99.5	99	99	98.5	96.5	93.5	86	79	71.6
26	0213	4	100	100	100	100	99.5	98.5	98	95	92.5	86.5	78.5	68.2
26	0214	2	100	100	100	91.5	78.5	61.5	53.5	39.5	26.5	14	11.5	9.6
26	0214	3	100	100	99.8	98.6	98.3	97.1	96.1	93.8	90.9	83.9	71.8	62.5
26	0214	4	100	100	100	99.9	99.7	99.3	98.9	97.2	94.2	86.9	78	67.1
26	0215	2	100	100	100	95.7	82.7	66.7	58.3	40.7	26.7	14.7	11.7	9.7
26	0215	3	100	100	98	96	96	95.5	94.5	92.5	90	84	76.5	68.9
26	0215	4	100	100	100	100	100	100	99	98	95.3	88.3	78.3	64.6
26	0216	2	100	100	100	88.3	69.3	50.3	41.7	28	18.3	11	9.3	8
26	0216	3	100	100	99.8	98.6	98.3	97.1	96.1	93.8	90.9	83.9	71.8	62.5
26	0216	4	100	100	100	99.9	99.7	99.3	98.9	97.2	94.2	86.9	78	67.1
26	0217	3	100	100	99.8	98.6	98.3	97.1	96.1	93.8	90.9	83.9	71.8	62.5
26	0217	4	100	100	100	99.9	99.7	99.3	98.9	97.2	94.2	86.9	78	67.1
26	0218	3	100	100	100	99	98.5	97	96.5	94.5	91	85	79	70.6
26	0218	4	100	100	100	100	99.5	99.5	99	97.5	93	84	76	66.8
26	0219	3	100	100	100	99	99	98	97	94	92	87.5	81	73.2
26	0219	4	100	100	100	100	100	99	98.5	96.5	93	85.5	75.5	65.2
26	0220	3	100	100	100	97	97	95.5	95	93	90	83	76.5	68.8
26	0220	4	100	100	100	100	99.5	99.5	99.5	98.5	96	89.5	78.5	63.8
26	0221	3	100	100	100	92.9	79.7	62.2	53.5	37.6	25.2	14.8	12.3	10.6
26	0221	4	100	100	99.8	98.6	98.3	97.1	96.1	93.8	90.9	83.9	71.8	62.5

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
26	0221	5	100	100	100	99.9	99.7	99.3	98.9	97.2	94.2	86.9	78	67.1
26	0222	3	100	100	100	92.9	79.7	62.2	53.5	37.6	25.2	14.8	12.3	10.6
26	0222	4	100	100	100	99.5	99.5	98	97	94.5	91.5	85.5	79	70.6
26	0222	5	100	100	100	100	100	99.5	99.5	98	95	87	80.5	72.6
26	0223	3	100	100	100	94	85	68	59	43	30	19	17	15.2
26	0223	4	100	100	99.8	98.6	98.3	97.1	96.1	93.8	90.9	83.9	71.8	62.5
26	0223	5	100	100	100	100	99	98	98	96	93	86	77	63.8
26	0224	3	100	100	100	95	84	66	56	41	29	19	17	15.4
26	0224	4	100	100	100	99	98.5	98	97	95.5	92	84.5	76.5	68.1
26	0224	5	100	100	100	100	99.3	99	98.7	97.3	94.7	87.7	77.7	65.9
26	0259	3	100	100	100	95.5	87	69.5	60	41	28	17	14	12
26	0259	4	100	100	100	99.5	99	95.5	93.5	90	87.5	75.5	27	8.2
26	0259	5	100	100	100	99.5	99.5	99	99	96.5	94	87	78.5	69.8
32	0201	2	100	100	100	99	93	78	70	56	45	27	18	13
32	0201	3	100	97	94	87	80	70	62	49	39	25	17	11.3
32	0201	5	100	100	100	100	98	96	94	90	83	57	34	20.6
32	0201	6	100	100	100	100	98	96	94	90	83	57	34	20.6
32	0202	2	100	100	100	97.2	84.8	65	56.2	43.2	34.8	21.8	14.2	10.5
32	0202	3	100	99.4	96.1	91.1	85.7	74	66.1	52.9	42	26.4	17.9	12.4
32	0202	5	100	100	100	99.6	99.4	98.8	98.6	97.6	96.6	88.2	75.6	59.7
32	0202	6	100	100	100	99.6	99.4	98.8	98.6	97.6	96.6	88.2	75.6	59.7
32	0203	2	100	100	100	97.2	84.8	65	56.2	43.2	34.8	21.8	14.2	10.5
32	0203	3	100	99.4	96.1	91.1	85.7	74	66.1	52.9	42	26.4	17.9	12.4
32	0203	5	100	100	100	99.6	99.4	98.8	98.6	97.6	96.6	88.2	75.6	59.7
32	0203	6	100	100	100	99.6	99.4	98.8	98.6	97.6	96.6	88.2	75.6	59.7
32	0204	2	100	100	100	95	80	58	49	37	29	19	12	8.9
32	0204	3	100	100	95	92	86	71	62	48	37	23	16	11.3
32	0204	5	100	100	100	100	100	100	100	99	99	91	82	68

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
32	0204	6	100	100	100	100	100	100	100	99	99	91	82	68
32	0205	3	100	100	96	90	84	71	63	50	39	24	16	11.7
32	0205	5	100	100	99	96	93	90	89	86	84	73	58	45.9
32	0205	6	100	100	99	96	93	90	89	86	84	73	58	45.9
32	0206	3	100	99	98	94	91	82	76	63	53	37	27	19.2
32	0206	5	100	100	100	100	100	100	100	99	98	86	68	52.5
32	0206	6	100	100	100	100	100	100	100	99	98	86	68	52.5
32	0207	3	100	100	97	89	83	71	64	52	41	25	17	11.8
32	0207	5	100	100	100	98	98	96	96	95	93	86	74	58.3
32	0207	6	100	100	100	98	98	96	96	95	93	86	74	58.3
32	0208	3	100	99.4	96.1	91.1	85.7	74	66.1	52.9	42	26.4	17.9	12.4
32	0208	5	100	100	100	99.6	99.4	98.8	98.6	97.6	96.6	88.2	75.6	59.7
32	0208	6	100	100	100	99.6	99.4	98.8	98.6	97.6	96.6	88.2	75.6	59.7
32	0209	3	100	100	100	97.2	84.8	65	56.2	43.2	34.8	21.8	14.2	10.5
32	0209	4	100	99.4	96.1	91.1	85.7	74	66.1	52.9	42	26.4	17.9	12.4
32	0209	6	100	100	100	99.6	99.4	98.8	98.6	97.6	96.6	88.2	75.6	59.7
32	0209	7	100	100	100	99.6	99.4	98.8	98.6	97.6	96.6	88.2	75.6	59.7
32	0210	3	100	100	100	97	81	58	49	37	31	20	13	10
32	0210	4	100	100	95	91	85	74	66	52	41	25	16	11.2
32	0210	6	100	100	100	100	100	100	100	100	100	95	85	66.1
32	0210	7	100	100	100	100	100	100	100	100	100	95	85	66.1
32	0211	3	100	100	100	98	85	66	57	43	34	21	14	10
32	0211	4	100	100	98	95	91	79	70	56	44	26	16	10.3
32	0211	6	100	100	100	100	99	98	97	95	93	83	69	53.6
32	0211	7	100	100	100	100	99	98	97	95	93	83	69	53.6
32	0259	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
32	0259	5	100	100	99	96	93	90	89	86	84	73	58	45.9
32	0259	6	100	100	99	96	93	90	89	86	84	73	58	45.9

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
37	0201	2	100	100	100	98	86.5	71	63	50	33	17	13.5	10.4
37	0201	4	100	100	100	100	100	100	100	99.7	98.7	88.7	82.3	76.9
37	0201	5	100	100	100	100	100	100	100	99.7	98.7	88.7	82.3	76.9
37	0202	2	100	100	100	97	85.5	68.5	61.5	49.5	32.5	17	13	10.4
37	0202	4	100	100	100	100	100	100	100	98	90	73	66	57.2
37	0202	5	100	100	100	100	100	100	100	98	90	73	66	57.2
37	0203	2	100	100	100	95	85	73	66	54	45	20	14	9
37	0203	3	100	100	100	100	99.5	99	99	97	94.5	83.5	75.5	64.6
37	0203	4	100	100	100	100	100	100	100	99.9	98.4	88.6	78	60.4
37	0204	2	100	100	100	95	88	76	71	57	36	11	10	9
37	0204	4	100	100	100	100	100	100	100	99.9	98.4	88.6	78	60.4
37	0204	5	100	100	100	100	100	100	100	99.9	98.4	88.6	78	60.4
37	0205	4	100	100	100	100	100	100	99	98	92	75	70	60.7
37	0205	5	100	100	100	100	100	100	99	98	92	75	70	60.7
37	0206	4	100	100	100	100	100	100	100	99.5	95.5	83.5	74.5	61.8
37	0206	5	100	100	100	100	100	100	100	99.5	95.5	83.5	74.5	61.8
37	0207	3	100	100	100	95	90	83	81	76	68	57	47	29.2
37	0207	4	100	100	100	100	100	100	100	100	99	81.5	63	38.5
37	0208	4	100	100	100	100	100	100	100	100	100	99	93.5	74.3
37	0208	5	100	100	100	100	100	100	100	100	100	99	93.5	74.3
37	0209	3	100	100	100	96.7	86.2	71.3	64.3	51.7	35.3	16.5	12.8	10
37	0209	5	100	100	100	100	100	100	100	99.7	98	86.3	79.7	71.6
37	0209	6	100	100	100	100	100	100	100	99.7	98	86.3	79.7	71.6
37	0210	3	100	100	100	96.7	86.2	71.3	64.3	51.7	35.3	16.5	12.8	10
37	0210	5	100	100	100	100	99.7	99.7	99.7	98.7	92.7	79.3	72.3	60
37	0210	6	100	100	100	100	99.7	99.7	99.7	98.7	92.7	79.3	72.3	60
37	0211	3	100	100	100	96.7	86.2	71.3	64.3	51.7	35.3	16.5	12.8	10
37	0211	5	100	100	100	100	100	100	100	99.9	98.4	88.6	78	60.4

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
37	0211	6	100	100	100	100	100	100	100	99.9	98.4	88.6	78	60.4
37	0212	3	100	100	100	96.7	86.2	71.3	64.3	51.7	35.3	16.5	12.8	10
37	0212	5	100	100	100	100	100	100	100	100	99	90.5	81	66.8
37	0212	6	100	100	100	100	100	100	100	100	99	90.5	81	66.8
37	0259	4	100	100	100	100	100	100	99.8	99.2	97	85.2	79.2	72.9
37	0259	5	100	100	100	100	100	100	99.8	99.2	97	85.2	79.2	72.9
37	0260	3	100	100	100	98.3	96.3	93.7	93	90	85.7	74.7	66	52.8
37	0260	4	100	100	100	100	100	100	100	99.9	98.4	88.6	78	60.4
38	0213	2	100	100	100	86.2	73.8	63	59	51	42.8	27	15.5	9.5
38	0213	3	100	100	100	99.7	99.6	99.5	99.5	98.6	98.2	96.4	94.5	92
38	0213	4	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0214	2	100	100	100	86.2	73.8	63	59	51	42.8	27	15.5	9.5
38	0214	3	100	100	100	100	100	100	100	99	99	97	96	94.1
38	0214	4	100	100	100	100	100	100	100	100	100	99	99	96.8
38	0215	2	100	100	100	86.2	73.8	63	59	51	42.8	27	15.5	9.5
38	0215	3	100	100	100	100	100	99.5	99.5	99.5	99	97.5	96	93.2
38	0215	4	100	100	100	100	100	100	100	100	100	99	99	97.8
38	0216	2	100	100	100	88	77	66	62	54	45	29	17	10.3
38	0216	3	100	100	100	99.7	99.6	99.5	99.5	98.6	98.2	96.4	94.5	92
38	0216	4	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0217	3	100	100	100	100	100	100	100	99	99	97	95	93.2
38	0217	4	100	100	100	100	100	100	100	100	100	99	99	97.2
38	0218	3	100	100	100	99.7	99.6	99.5	99.5	98.6	98.2	96.4	94.5	92
38	0218	4	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0219	3	100	100	100	100	100	100	100	99	99	98	97	95.6
38	0219	4	100	100	100	100	100	100	100	100	100	99	99	97.6
38	0220	3	100	100	100	100	100	100	100	99	99	97	95	93
38	0220	4	100	100	100	100	100	100	100	100	100	99	99	97.4

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
38	0221	3	100	100	100	92	83	74	69	60	51	32	18	11.1
38	0221	4	100	100	100	99.7	99.6	99.5	99.5	98.6	98.2	96.4	94.5	92
38	0221	5	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0222	3	100	100	100	86.2	73.8	63	59	51	42.8	27	15.5	9.5
38	0222	4	100	100	100	99	98	98	97	96	94	92	90	87.5
38	0222	5	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0223	3	100	100	100	84	68	57	53	45	37	23	13	8.2
38	0223	4	100	100	100	99	99	99	99	98	97	96	95	90
38	0223	5	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0224	3	100	100	100	86.2	73.8	63	59	51	42.8	27	15.5	9.5
38	0224	4	100	100	100	100	100	100	100	99	99	97	94	91.4
38	0224	5	100	100	100	100	100	100	100	100	100	99	99	96.6
38	0259	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
38	0259	4	100	100	100	99.7	99.6	99.5	99.5	98.6	98.2	96.4	94.5	92
38	0259	5	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0260	2	100	100	100	81	67	55	52	45	38	24	14	8.6
38	0260	3	100	100	100	99	99	99	99	98	97	94	90	87.8
38	0260	4	100	100	100	100	100	100	100	100	100	99	99	97.5
38	0261	2	100	100	100	86.2	73.8	63	59	51	42.8	27	15.5	9.5
38	0261	3	100	100	100	99.7	99.6	99.5	99.5	98.6	98.2	96.4	94.5	92
38	0261	4	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0262	3	100	100	100	99.7	99.6	99.5	99.5	98.6	98.2	96.4	94.5	92
38	0262	4	100	100	100	100	100	100	100	100	100	99	99	97.3
38	0263	3	100	100	100	86.2	73.8	63	59	51	42.8	27	15.5	9.5
38	0263	4	100	100	100	100	100	100	100	99	99	97	96	93.6
38	0263	5	100	100	100	100	100	100	100	100	100	99	99	97.4
38	0264	3	100	100	100	86.2	73.8	63	59	51	42.8	27	15.5	9.5
38	0264	4	100	100	100	99.7	99.6	99.5	99.5	98.6	98.2	96.4	94.5	92

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
38	0264	5	100	100	100	100	100	100	100	100	100	99	99	97.3
39	0201	2	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0201	3	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0202	2	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0202	3	100	100	99	99	98	97	96	94	91	84	78	71.1
39	0203	2	100	100	100	95	86	77	66	47	34	18	13	13.4
39	0203	3	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0204	2	100	100	100	92	83	77	56	36	25	12	5	13.4
39	0204	3	100	100	99.3	99.3	99.3	98.3	97.7	95	91.3	84.7	78.7	71.4
39	0204	4	100	100	100	100	100	100	99	98	95	89	84	76.6
39	0205	3	100	100	100	100	100	99	99	97	95	90	85	79.4
39	0205	4	100	100	100	100	100	99	99	97	95	90	85	79.4
39	0206	3	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0206	4	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0207	3	100	100	100	99	99	98	98	95	92	85	79	71.8
39	0207	4	100	100	100	99	99	98	98	95	92	85	79	71.8
39	0208	3	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0208	4	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0208	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
39	0209	3	100	100	100	90	82	77	57	37	25	10	6	13.4
39	0209	4	100	100	100	98	97	96	95	92	89	83	77	70
39	0210	3	100	100	100	94	84	77	63	43	29	12	7	13.4
39	0210	4	100	100	100	99	99	98	98	96	93	87	82	74.7
39	0211	3	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0211	4	100	100	100	100	99.5	98	97.5	95	91	84.5	78.5	71.4
39	0212	3	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0212	4	100	100	100	100	99	99	99	98	96	86	86	79.3
39	0212	5	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
39	0259	2	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0259	3	100	100	99.5	99.5	99.2	98.5	98	95.8	92.5	85	80.5	73.4
39	0259	4	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0260	3	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0260	4	100	100	99.5	99.5	99.2	98.5	98	95.8	92.5	85	80.5	73.4
39	0260	5	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0261	3	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0261	4	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0262	3	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0262	4	100	100	100	100	99	97	96	94	92	86	79	72.2
39	0263	2	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0263	3	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
39	0264	3	100	100	100	95	90	77	67	46	29	18	17	13.4
39	0264	4	100	100	100	99	99	98	97	96	91	87	83	77
39	0265	3	100	100	100	93.2	85	77	61.8	41.8	28.4	14	9.6	13.4
39	0265	4	100	100	99.5	99.5	99.2	98.5	98	95.8	92.5	85	80.5	73.4
39	0265	5	100	100	99.9	99.4	99	97.9	97.3	95.2	92	86	80.4	73.6
53	0201	2	100	100	100	98	86	69	58	38	25	13	10	7.4
53	0201	3	100	100	100	99	98	98	97	95	93	90	89	82.7
53	0201	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0201	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0201	6	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0202	2	100	100	100	96	75	52	42	27	18	10	8	6
53	0202	3	100	100	98	97	95	93	92	90	87	84	82	76.8
53	0202	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0202	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0203	2	100	100	100	97.2	80.6	61	51	34.4	22	11.2	8.8	6.7
53	0203	3	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
53	0203	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0204	2	100	100	100	97.2	80.6	61	51	34.4	22	11.2	8.8	6.7
53	0204	3	100	100	99.4	98.8	98.2	97.4	96.6	96	94.2	89.8	88.6	84
53	0204	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0204	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0204	6	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0205	3	100	100	99.4	98.8	98.2	97.4	96.6	96	94.2	89.8	88.6	84
53	0205	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0205	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0206	3	100	100	99.4	98.8	98.2	97.4	96.6	96	94.2	89.8	88.6	84
53	0206	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0206	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0206	6	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0207	3	100	100	100	100	100	100	99	99	98	92	91	87.4
53	0207	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0207	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0207	6	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0208	3	100	100	100	100	100	100	99	98	96	92	91	80.4
53	0208	4	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0208	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0208	6	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0209	3	100	100	100	97.2	80.6	61	51	34.4	22	11.2	8.8	6.7
53	0209	4	100	100	99.4	98.8	98.2	97.4	96.6	96	94.2	89.8	88.6	84
53	0209	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0209	6	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0209	7	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0210	3	100	100	100	97.2	80.6	61	51	34.4	22	11.2	8.8	6.7
53	0210	4	100	100	99.4	98.8	98.2	97.4	96.6	96	94.2	89.8	88.6	84

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
53	0210	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0210	6	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0211	3	100	100	100	99	86	71	62	45	29	14	11	8.6
53	0211	4	100	100	99	98	98	96	96	95	93	91	90	83
53	0211	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0211	6	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0211	7	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0212	3	100	100	100	96	76	56	46	32	20	10	7	5.6
53	0212	4	100	100	100	100	100	99.5	98.5	97	95.5	92.5	91	84
53	0212	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0212	6	100	100	100	100	100	100	100	99.5	99	84.5	94	46.8
53	0212	7	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
53	0259	3	100	100	100	97	80	57	47	30	18	9	8	6
53	0259	4	100	100	100	100	100	100	100	99.5	99	84.5	94	46.8
53	0259	5	99.8	99.3	98.6	96.6	93.6	88.2	84.7	77.7	71	57.5	43.6	34.1
55	0213	2	100	100	100	100	95	84	78	67	56	32	15	7.6
55	0213	3	100	100	100	100	98	88	82	69	54	30	17	11.5
55	0213	4	100	100	100	99.5	99	95.5	92.5	85.5	76.5	53	25	13.8
55	0214	2	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0214	3	100	100	100	100	95	80	88	60.5	49.5	25.5	13.5	8.6
55	0214	4	100	98.5	98	95	89.5	78	71.5	59	48	22.5	10.5	6.7
55	0214	5	100	100	100	100	96	85	77	65	53	28	14	9.1
55	0215	2	100	100	100	100	95	80	73	61	50	26	13	8
55	0215	3	100	100	100	100	94	80	73	57	45	23	12	7.9
55	0215	4	100	100	100	100	97	88	82	70	60	30	13	7.3
55	0216	2	100	100	100	100	95	74	65	52	42	24	14	8.1
55	0216	3	100	100	98	97	93.5	84.5	79	67.5	57	34.5	17.5	10.6
55	0216	4	100	100	100	98.7	97.7	93	90	84	77	56	29	17.4

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
55	0217	3	100	95	95	92	88	82	77	69	62	32	14	8.9
55	0217	4	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8
55	0218	3	100	100	100	99	95	86	80	67	55	30	15	9.2
55	0218	4	100	98.5	97.5	92	89	80.5	76.5	67	57.5	35	13.5	6.8
55	0218	5	100	100	98.5	97.5	94	89.5	86	79	72.5	45.5	21	13
55	0219	3	100	98.9	98.2	97.2	95	87.5	82.9	73.9	64.9	39.9	18.6	10.4
55	0219	4	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8
55	0220	3	100	100	97	96	93	85	81	72	65	41	18	10.5
55	0220	4	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8
55	0221	3	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0221	4	100	100	100	97.5	95.5	92	90	85.5	80	56.5	19.5	9.7
55	0221	5	100	99.5	99	97.5	95.5	92.7	90.5	85.2	79	55.8	28.3	18.7
55	0222	3	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0222	4	100	100	100	99.7	95	82	85.3	62.7	51.3	27	14	8.8
55	0222	5	100	97	96.6	93.8	88.8	77.6	71.8	60	49.2	26.1	11.5	6.8
55	0222	6	100	100	100	100	98.5	95.5	93.5	88.2	83.5	58.2	13.5	5
55	0223	3	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0223	4	100	100	100	100	94	80	72	61	50	27	12	7
55	0223	5	100	100	100	100	95	84	78	70	61	37	12	5.5
55	0224	3	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0224	4	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8
55	0259	2	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0259	3	100	98	97	95.5	93.5	86	81.5	72	63	40.5	21.5	11.8
55	0259	4	100	100	99	96	92	87	84	77	69	29	14	11.7
55	0260	2	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0260	3	100	98.9	98.2	97.2	95	87.5	82.9	73.9	64.9	39.9	18.6	10.4
55	0260	4	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8
55	0261	3	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5

State Code	SHRP ID	Strata Level	Sieve Size											
			3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#10	#40	#80	#200
55	0261	4	100	100	100	99.5	98.5	93.5	90	84.5	77.5	53	23	11.2
55	0261	5	100	100	100	100	99.7	99.3	98.7	94.3	91	65.3	14	4.8
55	0262	2	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0262	3	100	100	100	99.7	95	82	85.3	62.7	51.3	27	14	8.8
55	0262	4	100	82	82	76	71	64	61	50	40	20	8	4.4
55	0262	5	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8
55	0263	2	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0263	3	100	100	99	97.2	94.5	88.2	84.5	76.5	68.5	45.5	18.5	10.1
55	0263	4	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8
55	0264	2	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0264	3	100	100	100	100	97	86	80	68	57	29	11	6.5
55	0264	4	100	100	100	96	92	84	77	65	56	30	11	6.8
55	0265	2	100	100	100	100	95	85	77	66	54	28	15	10.3
55	0265	3	100	100	100	100	94	80	72	60	48	24	12	7.7
55	0265	4	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8
55	0266	2	100	100	100	100	95	80.8	73.2	61.5	50.5	27.5	14.2	8.5
55	0266	3	100	98.9	98.2	97.2	95	87.5	82.9	73.9	64.9	39.9	18.6	10.4
55	0266	4	100	100	99.6	98.4	96	90.3	86.1	78	69.7	43.8	21	12.8

Table B-25. Unbound Material Resilient Modulus

State Code	SHRP ID	Strata Level	Resilient Modulus
4	0213	2	55.37
4	0213	3	27.52
4	0214	2	34.18
4	0214	3	14.6
4	0215	2	36.64
4	0215	3	22.34
4	0216	2	30.73
4	0216	3	24.19
4	0217	3	53.57
4	0217	4	53.57
4	0218	3	20.8
4	0218	4	20.8
4	0219	3	45.33
4	0219	4	45.33
4	0220	3	29.09
4	0220	4	29.09
4	0221	3	57.04
4	0221	4	21.68
4	0222	3	34.68
4	0222	4	21.51
4	0223	3	36.44
4	0223	4	29.81
4	0224	3	37.04
4	0224	4	28.36
4	0260	2	14.26
4	0260	3	41.84
4	0261	2	21.29
4	0261	3	39.42
4	0262	2	52.22
4	0262	3	34.78
4	0263	3	96.84
4	0263	4	18.19
4	0264	3	117.31
4	0264	4	45.4
4	0265	2	39.88
4	0265	3	20.66
4	0266	3	32.74
4	0266	4	32.74
4	0267	3	33.41
4	0267	4	33.41
4	0268	3	25.24
4	0268	4	25.24
5	0213	2	91.37
5	0213	3	25.82
5	0213	4	500
5	0214	2	40.35
5	0214	3	36.09
5	0214	4	500
5	0215	2	39.08
5	0215	3	32.6
5	0216	2	20.89
5	0216	3	16.58
5	0217	3	96.06
5	0217	4	44.87
5	0217	5	500
5	0218	3	64.72
5	0218	4	40.91
5	0218	5	500
5	0219	3	52.13
5	0219	4	35.43
5	0220	3	47.11
5	0220	4	22.41
5	0221	3	70.52
5	0221	4	32.14
5	0221	5	500
5	0222	3	104.35
5	0222	4	28.14
5	0223	3	114.27
5	0223	4	32.61
5	0224	3	66.32
5	0224	4	50.56
6	0201	2	28.6
6	0201	3	18.06
6	0202	2	103.79
6	0202	3	29.62
6	0203	2	35.12
6	0203	3	31.97
6	0204	2	7.72
6	0204	3	25.6
6	0205	3	16.01
6	0205	4	16.01
6	0206	3	24.3
6	0206	4	24.3
6	0207	3	26.47
6	0207	4	26.47
6	0208	3	20.48
6	0208	4	20.48
6	0209	3	91.91
6	0209	4	12.38
6	0210	3	49.79

State Code	SHRP ID	Strata Level	Resilient Modulus
6	0210	4	15.46
6	0211	3	45.85
6	0211	4	17.39
6	0212	3	27.27
6	0212	4	20.68
8	0213	2	62.49
8	0213	3	23.58
8	0214	2	27.41
8	0214	3	23.11
8	0215	2	40.18
8	0215	3	32.56
8	0216	2	24.67
8	0216	3	23.24
8	0217	3	15.76
8	0217	4	15.76
8	0218	3	11.26
8	0218	4	11.26
8	0219	3	26.34
8	0219	4	26.34
8	0220	3	20.15
8	0220	4	20.15
8	0221	3	40.55
8	0221	4	11.29
8	0222	3	47.75
8	0222	4	15.78
8	0223	3	34.45
8	0223	4	25.84
8	0224	3	27.66
8	0224	4	22.2
8	0259	2	28.5
8	0259	3	28.5
10	0201	2	39.07
10	0201	3	10.9
10	0201	4	22.93
10	0202	2	26.13
10	0202	3	12.18
10	0202	4	19.95
10	0203	2	26.39
10	0203	3	33.42
10	0203	4	29.88
10	0204	2	25.44
10	0204	3	26.95
10	0204	4	20.08
10	0205	3	24.94
10	0205	4	31.55
10	0206	3	9.87

State Code	SHRP ID	Strata Level	Resilient Modulus
10	0206	4	39.36
10	0207	3	28.5
10	0207	4	27.62
10	0208	3	12.77
10	0208	4	32.09
10	0209	3	12.98
10	0209	4	12.98
10	0209	5	25.48
10	0210	3	19.19
10	0210	4	19.19
10	0210	5	31.87
10	0211	3	25.12
10	0211	4	25.12
10	0211	5	36.38
10	0212	3	20.97
10	0212	4	16.43
10	0212	5	53.99
10	0259	2	68.61
10	0259	3	26.18
10	0259	4	51
10	0260	2	40.08
10	0260	3	11.67
10	0260	4	53.3
19	0213	2	17.49
19	0213	3	8.47
19	0213	4	16.09
19	0214	2	28.15
19	0214	3	9.04
19	0214	4	25.74
19	0215	2	7.77
19	0215	3	5.75
19	0215	4	19.65
19	0216	2	12.55
19	0216	3	16.14
19	0216	4	23.01
19	0217	3	11.04
19	0217	4	16.37
19	0218	3	23.04
19	0218	4	18.25
19	0219	3	11.15
19	0219	4	28.01
19	0220	3	15.65
19	0220	4	38.94
19	0221	3	11.2
19	0221	4	11.2
19	0221	5	17.37

State Code	SHRP ID	Strata Level	Resilient Modulus
19	0222	3	10.11
19	0222	4	10.11
19	0222	5	14.95
19	0223	3	9.11
19	0223	4	9.11
19	0223	5	32.43
19	0224	3	12.61
19	0224	4	12.61
19	0224	5	34.3
19	0259	2	58.88
19	0259	3	31.68
19	0259	4	20.62
20	0201	2	27.42
20	0201	4	13.12
20	0201	5	13.12
20	0202	2	25.49
20	0202	4	13.37
20	0202	5	13.37
20	0203	2	25.43
20	0203	4	22.95
20	0203	5	22.95
20	0204	2	39.99
20	0204	4	18.91
20	0204	5	18.91
20	0205	4	16.21
20	0205	5	16.21
20	0206	4	18.7
20	0206	5	18.7
20	0207	4	26.07
20	0207	5	26.07
20	0208	4	22.55
20	0208	5	22.55
20	0209	3	35.02
20	0209	5	18.08
20	0209	6	18.08
20	0210	3	33.68
20	0210	5	19.23
20	0210	6	19.23
20	0211	3	20.62
20	0211	5	22.74
20	0211	6	22.74
20	0212	3	64.67
20	0212	5	24.62
20	0212	6	24.62
20	0259	4	30.09
20	0259	5	30.09

State Code	SHRP ID	Strata Level	Resilient Modulus
26	0213	2	31.45
26	0213	3	10.75
26	0213	4	22.05
26	0214	2	13.19
26	0214	3	28.91
26	0214	4	20.81
26	0215	2	25.44
26	0215	3	11.15
26	0215	4	43.16
26	0216	2	26.06
26	0216	3	32.95
26	0216	4	32.14
26	0217	3	16.42
26	0217	4	36.24
26	0218	3	71.89
26	0218	4	24.67
26	0219	3	32.24
26	0219	4	32.34
26	0220	3	24.48
26	0220	4	33.72
26	0221	3	12.27
26	0221	4	12.27
26	0221	5	22.34
26	0222	3	19.75
26	0222	4	19.75
26	0222	5	23.46
26	0223	3	26.49
26	0223	4	26.49
26	0223	5	34.84
26	0224	3	13.39
26	0224	4	13.39
26	0224	5	30.86
26	0259	3	31.6
26	0259	4	31.6
26	0259	5	40.39
32	0201	2	17.99
32	0201	3	17.99
32	0201	5	12.67
32	0201	6	12.67
32	0202	2	61.2
32	0202	3	125.75
32	0202	5	9.62
32	0202	6	9.62
32	0203	2	33.87
32	0203	3	91.17
32	0203	5	29.41

State Code	SHRP ID	Strata Level	Resilient Modulus
32	0203	6	29.41
32	0204	2	36.09
32	0204	3	41.35
32	0204	5	36.37
32	0204	6	36.37
32	0205	3	109.43
32	0205	5	26.46
32	0205	6	26.46
32	0206	3	13.07
32	0206	5	173.33
32	0206	6	173.33
32	0207	3	405.47
32	0207	5	24.88
32	0207	6	24.88
32	0208	3	34.24
32	0208	5	23.46
32	0208	6	23.46
32	0209	3	45.4
32	0209	4	45.4
32	0209	6	18.66
32	0209	7	18.66
32	0210	3	29.02
32	0210	4	29.02
32	0210	6	23.47
32	0210	7	23.47
32	0211	3	51.47
32	0211	4	51.47
32	0211	6	21.13
32	0211	7	21.13
32	0259	3	286.64
32	0259	5	33.18
32	0259	6	33.18
37	0201	2	41.5
37	0201	4	16.98
37	0201	5	16.98
37	0202	2	41.99
37	0202	4	17.23
37	0202	5	17.23
37	0203	2	59.02
37	0203	3	24.92
37	0203	4	20.99
37	0204	2	50.81
37	0204	4	16.66
37	0204	5	16.66
37	0205	4	13.54
37	0205	5	13.54

State Code	SHRP ID	Strata Level	Resilient Modulus
37	0206	4	17.76
37	0206	5	17.76
37	0207	3	28.91
37	0207	4	20.52
37	0208	4	17.55
37	0208	5	17.55
37	0209	3	28.41
37	0209	5	25.74
37	0209	6	25.74
37	0210	3	19.65
37	0210	5	19.11
37	0210	6	19.11
37	0211	3	36.14
37	0211	5	18.34
37	0211	6	18.34
37	0212	3	96.7
37	0212	5	23.7
37	0212	6	23.7
37	0259	4	21.06
37	0259	5	21.06
37	0260	3	57.23
37	0260	4	22.07
38	0213	2	32.36
38	0213	3	8.63
38	0213	4	12.78
38	0214	2	21.56
38	0214	3	11.98
38	0214	4	11.56
38	0215	2	13.57
38	0215	3	9.11
38	0215	4	19.87
38	0216	2	27.42
38	0216	3	9.91
38	0216	4	19.93
38	0217	3	35.29
38	0217	4	14.2
38	0218	3	12.23
38	0218	4	16.07
38	0219	3	20.71
38	0219	4	20.54
38	0220	3	17.02
38	0220	4	19.62
38	0221	3	15.06
38	0221	4	15.06
38	0221	5	14.66
38	0222	3	7.7

State Code	SHRP ID	Strata Level	Resilient Modulus
38	0222	4	7.7
38	0222	5	16.48
38	0223	3	14.08
38	0223	4	14.08
38	0223	5	21.2
38	0224	3	11.49
38	0224	4	11.49
38	0224	5	24.78
38	0259	3	21.72
38	0259	4	21.72
38	0259	5	22.37
38	0260	2	24.24
38	0260	3	7.25
38	0260	4	15.44
38	0261	2	33.09
38	0261	3	51.81
38	0261	4	16.55
38	0262	3	26.31
38	0262	4	24.54
38	0263	3	29.09
38	0263	4	29.09
38	0263	5	19.94
38	0264	3	20.29
38	0264	4	20.29
38	0264	5	22.13
39	0201	2	25.47
39	0201	3	14.38
39	0202	2	29.4
39	0202	3	14.92
39	0203	2	30.12
39	0203	3	21.64
39	0204	2	27.79
39	0204	3	24.74
39	0204	4	45.55
39	0205	3	20.84
39	0205	4	20.84
39	0206	3	15.93
39	0206	4	15.93
39	0207	3	25.85
39	0207	4	25.85
39	0208	3	24.22
39	0208	4	24.22
39	0208	5	500
39	0209	3	35.33
39	0209	4	16.5
39	0210	3	37.76

State Code	SHRP ID	Strata Level	Resilient Modulus
39	0210	4	16.33
39	0211	3	17.15
39	0211	4	25.5
39	0212	3	18.04
39	0212	4	18.04
39	0212	5	32.18
39	0259	2	15.99
39	0259	3	21.6
39	0259	4	29.48
39	0260	3	15.41
39	0260	4	15.41
39	0260	5	34.79
39	0261	3	41.32
39	0261	4	30.8
39	0262	3	40.7
39	0262	4	28.3
39	0263	2	25.19
39	0263	3	22.1
39	0264	3	8.32
39	0264	4	24.12
39	0265	3	11.89
39	0265	4	11.89
39	0265	5	42.91
53	0201	2	59.02
53	0201	3	26.35
53	0201	4	26.35
53	0201	5	34.45
53	0201	6	500
53	0202	2	30.6
53	0202	3	23.16
53	0202	4	19.93
53	0202	5	500
53	0203	2	59.05
53	0203	3	20.9
53	0203	4	500
53	0204	2	29.92
53	0204	3	19.89
53	0204	4	19.89
53	0204	5	49.82
53	0204	6	500
53	0205	3	28.67
53	0205	4	28.67
53	0205	5	37.6
53	0206	3	23.65
53	0206	4	23.65
53	0206	5	46.72

State Code	SHRP ID	Strata Level	Resilient Modulus
53	0206	6	500
53	0207	3	27.44
53	0207	4	27.44
53	0207	5	53.43
53	0207	6	500
53	0208	3	22.62
53	0208	4	22.62
53	0208	5	77.12
53	0208	6	500
53	0209	3	23.92
53	0209	4	23.92
53	0209	5	23.92
53	0209	6	22.99
53	0209	7	500
53	0210	3	20.86
53	0210	4	20.86
53	0210	5	24.21
53	0210	6	500
53	0211	3	22.83
53	0211	4	22.83
53	0211	5	22.83
53	0211	6	50.05
53	0211	7	500
53	0212	3	18.15
53	0212	4	18.15
53	0212	5	18.15
53	0212	6	72.38
53	0212	7	500
53	0259	3	39.26
53	0259	4	29.02
53	0259	5	500
55	0213	2	48.92
55	0213	3	37.97
55	0213	4	14.51
55	0214	2	55.59
55	0214	3	55.59
55	0214	4	60.17
55	0214	5	17.21
55	0215	2	29.99
55	0215	3	47.49
55	0215	4	22.47
55	0216	2	45.85
55	0216	3	42.85
55	0216	4	28.46
55	0217	3	57.19

State Code	SHRP ID	Strata Level	Resilient Modulus
55	0217	4	30.53
55	0218	3	42.62
55	0218	4	42.62
55	0218	5	31.31
55	0219	3	45.38
55	0219	4	26.61
55	0220	3	69.58
55	0220	4	28.98
55	0221	3	15.45
55	0221	4	15.45
55	0221	5	15.08
55	0222	3	36.88
55	0222	4	36.88
55	0222	5	36.88
55	0222	6	20.97
55	0223	3	5.21
55	0223	4	5.21
55	0223	5	22.84
55	0224	3	39.67
55	0224	4	41.81
55	0259	2	29.64
55	0259	3	31.08
55	0259	4	30.05
55	0260	2	41.04
55	0260	3	46.11
55	0260	4	28.74
55	0261	3	29.86
55	0261	4	29.86
55	0261	5	27.47
55	0262	2	30.47
55	0262	3	30.47
55	0262	4	23.06
55	0262	5	14.54
55	0263	2	39.01
55	0263	3	21.48
55	0263	4	38.85
55	0264	2	96.21
55	0264	3	95.43
55	0264	4	28.2
55	0265	2	85.16
55	0265	3	77.9
55	0265	4	61.77
55	0266	2	19.65
55	0266	3	50.15
55	0266	4	33.38

Table B-26. Initial IRI of SPS-2 Sites

State Code	SHRP ID	Initial IRI
4	0213	95.37
4	0214	86.16
4	0215	90.26
4	0216	87.88
4	0217	88.51
4	0218	91.77
4	0219	82.72
4	0220	78.25
4	0221	76.31
4	0222	73.36
4	0223	75.08
4	0224	66.03
4	0260	63
4	0261	45.94
4	0262	70.63
4	0263	71.55
4	0264	109.96
4	0265	87.8
4	0266	86.62
4	0267	90.36
4	0268	92.57
5	0213	83.65
5	0214	101.36
5	0215	79.13
5	0216	80.84
5	0217	77.99
5	0218	82.75
5	0219	79.19
5	0220	105.59
5	0221	58.76
5	0222	70.78
5	0223	69.48
5	0224	98.22
6	0201	74.92
6	0202	73.57
6	0203	109.94
6	0204	96.09
6	0205	67.67
6	0206	83.26
6	0207	83.2
6	0208	84.18
6	0209	77.6
6	0210	53.83
6	0211	110.31
6	0212	77.79
8	0213	74.59
8	0214	65.98
8	0215	69.97
8	0216	65.05
8	0217	104.83
8	0218	90.52
8	0219	96.04
8	0220	108.37
8	0221	98.74
8	0222	87.63
8	0223	118.07
8	0224	104.58
8	0259	73.5
10	0201	66.78
10	0202	53.77
10	0203	67.16
10	0204	90.85
10	0205	72.88
10	0206	62.48
10	0207	67.7
10	0208	102.87
10	0209	49.63
10	0210	58.37
10	0211	55.35
10	0212	95.43
10	0259	74.92
10	0260	75.97
19	0213	75.23
19	0214	85.48
19	0215	115.08
19	0216	80.12
19	0217	84.55
19	0218	77.71
19	0219	95.86
19	0220	66.3
19	0221	78.29
19	0222	117.99
19	0223	140.28
19	0224	83.92
19	0259	75.19
20	0201	81.36
20	0202	76.38
20	0203	91.25
20	0204	90.36
20	0205	83.36
20	0206	129.88
20	0207	102.05
20	0208	123.43
20	0209	74.24
20	0210	86.55
20	0211	81.39
20	0212	114.49
20	0259	99.3
26	0213	78.92
26	0214	125.3
26	0215	57.42
26	0216	98.69
26	0217	66.11
26	0218	97.24
26	0219	74.84
26	0220	85.55
26	0221	65.99
26	0222	79.78
26	0223	67.87
26	0224	70.65
26	0259	68.67
32	0201	53.81
32	0202	92.39
32	0203	51.11
32	0204	99.48
32	0205	61.67
32	0206	88.68
32	0207	60.22
32	0208	99.74
32	0209	52.32
32	0210	68.44
32	0211	47.99
32	0259	65.93
37	0201	85.49
37	0202	88.44
37	0203	109.32
37	0204	79.9
37	0205	129.1
37	0206	94.76
37	0207	117.51
37	0208	114.25
37	0209	78.2
37	0210	79.82
37	0211	83.23
37	0212	69.29

State Code	SHRP ID	Initial IRI
37	0259	90.01
37	0260	98.24
38	0213	95.18
38	0214	82.15
38	0215	109.91
38	0216	106.49
38	0217	94.04
38	0218	140.73
38	0219	92.14
38	0220	96.3
38	0221	90.27
38	0222	103.97
38	0223	95.97
38	0224	130.22
38	0259	108.64
38	0260	105.51
38	0261	82.84
38	0262	93.11
38	0263	94.5
38	0264	94.96
39	0201	81.76
39	0202	73.69
39	0203	67.23
39	0204	54.63

State Code	SHRP ID	Initial IRI
39	0205	78.15
39	0206	79.46
39	0207	87.59
39	0208	95.05
39	0209	62.45
39	0210	67.06
39	0211	85.94
39	0212	69.31
39	0259	49.05
39	0260	71.65
39	0261	72.68
39	0262	79.73
39	0263	75.38
39	0264	65.31
39	0265	89.27
53	0201	76.67
53	0202	63.78
53	0203	79.62
53	0204	76.64
53	0205	78.02
53	0206	66.57
53	0207	76.05
53	0208	71.09
53	0209	78.39

State Code	SHRP ID	Initial IRI
53	0210	50.35
53	0211	74.17
53	0212	69.89
53	0259	65.76
55	0213	66.1
55	0214	85.95
55	0215	79.38
55	0216	97.36
55	0217	52.79
55	0218	80.97
55	0219	59.55
55	0220	81.32
55	0221	74.01
55	0222	105.98
55	0223	81.73
55	0224	71.81
55	0259	80.56
55	0260	67.21
55	0261	56.31
55	0262	76.04
55	0263	57.08
55	0264	78.66
55	0265	83.07
55	0266	70.32

Table B-27. SPS-2 Sites with Tied PCC Shoulders

State Code	SHRP ID	Tied PCC Shoulder
4	0213	Yes
4	0214	Yes
4	0215	Yes
4	0216	Yes
4	0217	Yes
4	0218	Yes
4	0219	Yes
4	0220	Yes
4	0221	Yes
4	0222	Yes
4	0223	Yes
4	0224	Yes
4	0260	No
4	0261	No
4	0262	Yes
4	0263	Yes
4	0264	Yes
4	0265	Yes
4	0266	Yes
4	0267	Yes
4	0268	Yes
5	0213	No
5	0214	No
5	0215	No
5	0216	No
5	0217	No
5	0218	No
5	0219	No
5	0220	No
5	0221	No
5	0222	No
5	0223	No
5	0224	No
6	0201	No
6	0202	No
6	0203	No
6	0204	No
6	0205	No
6	0206	No
6	0207	No
6	0208	No
6	0209	No
6	0210	No
6	0211	No
6	0212	No
8	0213	Yes
8	0214	Yes
8	0215	Yes
8	0216	Yes
8	0217	Yes
8	0218	Yes
8	0219	Yes
8	0220	Yes
8	0221	Yes
8	0222	Yes
8	0223	Yes
8	0224	Yes
8	0259	Yes
10	0201	No
10	0202	No
10	0203	No
10	0204	No
10	0205	No
10	0206	No
10	0207	No
10	0208	No
10	0209	No
10	0210	No
10	0211	No
10	0212	No
10	0259	No
10	0260	No
19	0213	No
19	0214	No
19	0215	No
19	0216	No
19	0217	No
19	0218	No
19	0219	No
19	0220	No
19	0221	No
19	0222	No
19	0223	No
19	0224	No
19	0259	No
20	0201	Yes
20	0202	Yes
20	0203	Yes
20	0204	Yes
20	0205	Yes
20	0206	Yes
20	0207	Yes
20	0208	Yes
20	0209	Yes
20	0210	Yes
20	0211	Yes
20	0212	Yes
20	0259	Yes
26	0213	No
26	0214	No
26	0215	No
26	0216	No
26	0217	No
26	0218	No
26	0219	No
26	0220	No
26	0221	No
26	0222	No
26	0223	No
26	0224	No
26	0259	Yes
32	0201	Yes
32	0202	Yes
32	0203	Yes
32	0204	Yes
32	0205	Yes
32	0206	Yes
32	0207	Yes
32	0208	Yes
32	0209	Yes
32	0210	Yes
32	0211	Yes
32	0259	Yes
37	0201	Yes
37	0202	Yes
37	0203	Yes
37	0204	Yes
37	0205	Yes
37	0206	Yes
37	0207	Yes
37	0208	Yes
37	0209	Yes
37	0210	Yes
37	0211	Yes
37	0212	Yes

State Code	SHRP ID	Tied PCC Shoulder
37	0259	Yes
37	0260	Yes
38	0213	No
38	0214	No
38	0215	No
38	0216	No
38	0217	No
38	0218	No
38	0219	No
38	0220	No
38	0221	No
38	0222	No
38	0223	No
38	0224	No
38	0259	Yes
38	0260	Yes
38	0261	No
38	0262	No
38	0263	No
38	0264	Yes
39	0201	No
39	0202	No
39	0203	No
39	0204	No

State Code	SHRP ID	Tied PCC Shoulder
39	0205	No
39	0206	No
39	0207	No
39	0208	No
39	0209	No
39	0210	No
39	0211	Yes
39	0212	No
39	0259	No
39	0260	Yes
39	0261	No
39	0262	No
39	0263	No
39	0264	No
39	0265	Yes
53	0201	No
53	0202	No
53	0203	No
53	0204	No
53	0205	No
53	0206	No
53	0207	No
53	0208	No
53	0209	No

State Code	SHRP ID	Tied PCC Shoulder
53	0210	No
53	0211	No
53	0212	No
53	0259	No
55	0213	No
55	0214	No
55	0215	No
55	0216	No
55	0217	No
55	0218	No
55	0219	No
55	0220	No
55	0221	No
55	0222	No
55	0223	No
55	0224	No
55	0259	No
55	0260	No
55	0261	No
55	0262	Yes
55	0263	No
55	0264	No
55	0265	No
55	0266	No

Table B-28. Dowel Properties of SPS-2 Sites

State Code	SHRP ID	Layer No	Dowel Diameter (in)	Dowel Spacing (in)
4	0213	3	1.25	12
4	0214	3	1.25	12
4	0215	3	1.5	12
4	0216	3	1.5	12
4	0217	3	1.25	12
4	0218	3	1.25	20
4	0219	3	1.5	12
4	0220	3	1.5	12
4	0221	4	1.25	13
4	0222	4	1.25	12
4	0223	4	1.5	12
4	0224	4	1.5	12
4	0262	3	1.39	12.1
4	0263	4	1.39	12.1
4	0264	4	1.39	12.1
4	0265	3	1.39	12.1
4	0266	3	1.5	12
4	0267	3	1.5	12
4	0268	3	1.25	12
5	0213	4	1.25	12
5	0214	4	1.25	12
5	0215	4	1.5	12
5	0216	4	1.5	12
5	0217	5	1.25	12
5	0218	5	1.25	12
5	0219	5	1.5	12
5	0220	5	1.5	12
5	0221	5	1.25	12
5	0222	5	1.25	12
5	0223	5	1.5	12
5	0224	5	1.5	12
6	0201	3	1.5	12
6	0202	3	1.25	12
6	0203	3	1.5	12
6	0204	3	1.25	12
6	0205	3	1.5	12
6	0206	3	1.25	15
6	0207	3	1.5	15
6	0208	3	1.25	15
6	0209	4	1.5	12.6
6	0210	4	1.25	12
6	0211	4	1.5	12
6	0212	4	1.25	12
8	0213	3	1.25	12
8	0214	3	1.25	12
8	0215	3	1.5	12
8	0216	3	1.5	12
8	0217	3	1.25	12
8	0218	3	1.25	12
8	0219	3	1.5	12
8	0220	3	1.5	12
8	0221	4	1.25	12
8	0222	4	1.25	12
8	0223	4	1.5	12
8	0224	4	1.5	12
8	0259	2	1.5	12
10	0201	4	1.25	12
10	0202	4	1.25	12
10	0203	4	1.5	12
10	0204	4	1.5	12
10	0205	4	1.25	12
10	0206	4	1.25	12.6
10	0207	4	1.5	15
10	0208	4	1.5	15
10	0209	5	1.25	12
10	0210	5	1.25	12
10	0211	5	1.5	12
10	0212	5	1.5	12
10	0259	4	1.5	12
10	0260	4	1.25	12
19	0213	4	1.25	12
19	0214	4	1.25	12
19	0215	4	1.5	12
19	0216	4	1.5	12
19	0217	4	1.25	12
19	0218	4	1.25	12
19	0219	4	1.5	12
19	0220	4	1.5	12
19	0221	5	1.25	12
19	0222	5	1.25	12
19	0223	5	1.5	12
19	0224	5	1.5	12
19	0259	4	1.25	12
20	0201	4	1.25	12
20	0202	4	1.25	12
20	0203	4	1.5	12
20	0204	4	1.5	12
20	0205	4	1.25	12

State Code	SHRP ID	Layer No	Dowel Diameter (in)	Dowel Spacing (in)
20	0206	4	1.25	15
20	0207	4	1.5	15
20	0208	4	1.5	15
20	0209	5	1.25	12
20	0210	5	1.25	12
20	0211	5	1.5	12
20	0212	5	1.5	12
20	0259	4	1.5	12
26	0213	4	1.25	12
26	0214	4	1.25	12
26	0215	4	1.5	12
26	0216	4	1.5	12
26	0217	4	1.25	12
26	0218	4	1.25	12
26	0219	4	1.5	12
26	0220	4	1.5	12
26	0221	5	1.25	12
26	0222	5	1.25	12
26	0223	5	1.5	12
26	0224	5	1.5	12
26	0259	5	1.25	18
32	0201	5	1.25	12
32	0202	5	1.25	12
32	0203	5	1.5	12
32	0204	5	1.5	12
32	0205	5	1.25	12
32	0206	5	1.25	15
32	0207	5	1.5	15
32	0208	5	1.5	15
32	0209	6	1.25	12
32	0210	6	1.25	12
32	0211	6	1.5	12
32	0259	5	1.25	12
37	0201	4	1.5	12
37	0202	4	1.5	12
37	0203	4	1.5	12
37	0204	4	1.5	12
37	0205	4	1.5	15
37	0206	4	1.5	12
37	0207	4	1.5	15
37	0208	4	1.5	12
37	0209	5	1.5	12
37	0210	5	1.5	12
37	0211	5	1.5	12
37	0212	5	1.5	12
37	0259	5	1.25	12
37	0260	5	1.5	12
38	0213	4	1.25	12
38	0214	4	1.25	12
38	0215	4	1.5	12
38	0216	4	1.5	12
38	0217	4	1.25	12
38	0218	4	1.25	12
38	0219	4	1.5	12
38	0220	4	1.5	12
38	0221	5	1.25	12
38	0222	5	1.25	12
38	0223	5	1.5	12
38	0224	5	1.5	12
38	0259	5	1.25	12
38	0260	4	1.5	12
38	0261	4	1.38	12
38	0262	4	1.38	12
38	0263	5	1.38	12
38	0264	5	1.38	12
39	0201	3	1.25	12
39	0202	3	1.25	12
39	0203	3	1.5	12
39	0204	4	1.5	12
39	0205	3	1.25	15
39	0206	3	1.25	12
39	0207	3	1.5	15
39	0208	3	1.5	12
39	0209	4	1.25	12
39	0210	4	1.25	12
39	0211	4	1.5	12
39	0212	5	1.5	12
39	0259	4	1.5	12
39	0260	5	1.5	12
39	0261	4	1.5	12
39	0262	4	1.5	12
39	0263	3	1.5	12
39	0264	4	1.5	12
39	0265	5	1.5	12
53	0201	5	1.25	12
53	0202	4	1.25	12
53	0203	3	1.5	12
53	0204	5	1.5	12
53	0205	5	1.25	15
53	0206	5	1.25	15

State Code	SHRP ID	Layer No	Dowel Diameter (in)	Dowel Spacing (in)
53	0207	5	1.5	15
53	0208	5	1.5	12
53	0209	6	1.25	12
53	0210	5	1.25	12
53	0211	6	1.5	12
53	0212	6	1.5	12
53	0259	4	1.25	12
55	0213	4	1.25	12
55	0214	5	1.25	12
55	0215	4	1.5	12
55	0216	4	1.5	12
55	0217	4	1.25	12
55	0218	5	1.25	15
55	0219	4	1.5	12

State Code	SHRP ID	Layer No	Dowel Diameter (in)	Dowel Spacing (in)
55	0220	4	1.5	12
55	0221	5	1.25	12
55	0222	6	1.25	12
55	0223	5	1.5	12
55	0224	4	1.5	12
55	0259	4	1.5	12
55	0260	4	1.5	12
55	0261	5	1.25	12
55	0262	5	1.25	12
55	0263	4	1.25	12
55	0264	4	1.5	12
55	0265	4	1.5	12
55	0266	4	1.4	12

Table B-29. Percent Hourly Volume

State Code	SHRP ID	Layer No	Transverse Sealant Type	Joint Spacing (ft)
4	0213	3	Other	15
4	0214	3	Other	15
4	0215	3	Other	15
4	0216	3	Other	15
4	0217	3	Other	15
4	0218	3	Other	15
4	0219	3	Other	15
4	0220	3	Other	15
4	0221	4	Other	15
4	0222	4	Other	15
4	0223	4	Other	15
4	0224	4	Other	15
4	0262	3	Other	13.5
4	0263	4	Other	13.5
4	0264	4	Other	13.5
4	0265	3	Other	13.5
4	0266	3	Other	15
4	0267	3	Other	15
4	0268	3	Other	15
5	0213	4	Other	15
5	0214	4	Other	15
5	0215	4	Other	15
5	0216	4	Other	15
5	0217	5	Other	15
5	0218	5	Other	15
5	0219	5	Other	15
5	0220	5	Other	15
5	0221	5	Other	15
5	0222	5	Other	15
5	0223	5	Other	15
5	0224	5	Other	15
6	0201	3	Other	15
6	0202	3	Other	15
6	0203	3	Other	15
6	0204	3	Other	15
6	0205	3	Other	15
6	0206	3	Other	15
6	0207	3	Other	15
6	0208	3	Other	15
6	0209	4	Other	16
6	0210	4	Other	15
6	0211	4	Other	15
6	0212	4	Other	15
8	0213	3	Other	15
8	0214	3	Other	15

State Code	SHRP ID	Layer No	Transverse Sealant Type	Joint Spacing (ft)
8	0215	3	Other	15
8	0216	3	Other	15
8	0217	3	Other	15
8	0218	3	Other	15
8	0219	3	Other	15
8	0220	3	Other	15
8	0221	4	Other	15
8	0222	4	Other	15
8	0223	4	Other	15
8	0224	4	Other	15
8	0259	2	Other	15
10	0201	4	Performed	15
10	0202	4	Performed	15
10	0203	4	Performed	15
10	0204	4	Performed	15
10	0205	4	Performed	15
10	0206	4	Performed	15
10	0207	4	Performed	15
10	0208	4	Performed	15
10	0209	5	Performed	15
10	0210	5	Performed	15
10	0211	5	Performed	15
10	0212	5	Performed	15
10	0259	4	Performed	15
10	0260	4	Performed	15
19	0213	4	Other	15
19	0214	4	Other	15
19	0215	4	Other	15
19	0216	4	Other	15
19	0217	4	Other	15
19	0218	4	Other	15
19	0219	4	Other	15
19	0220	4	Other	15
19	0221	5	Other	15
19	0222	5	Other	15
19	0223	5	Other	15
19	0224	5	Other	15
19	0259	4	Other	16
20	0201	4	Other	15
20	0202	4	Other	15
20	0203	4	Other	15
20	0204	4	Other	15
20	0205	4	Other	15
20	0206	4	Other	15
20	0207	4	Other	15
20	0208	4	Other	15

State Code	SHRP ID	Layer No	Transverse Sealant Type	Joint Spacing (ft)
20	0209	5	Other	15
20	0210	5	Other	15
20	0211	5	Other	15
20	0212	5	Other	15
20	0259	4	Other	15
26	0213	4	Other	15
26	0214	4	Other	15
26	0215	4	Other	15
26	0216	4	Other	15
26	0217	4	Other	15
26	0218	4	Other	15
26	0219	4	Other	15
26	0220	4	Other	15
26	0221	5	Other	15
26	0222	5	Other	15
26	0223	5	Other	15
26	0224	5	Other	15
26	0259	5	Performed	27
32	0201	5	Other	15
32	0202	5	Other	15
32	0203	5	Other	15
32	0204	5	Other	15
32	0205	5	Other	15
32	0206	5	Other	15
32	0207	5	Other	15
32	0208	5	Other	15
32	0209	6	Other	15
32	0210	6	Other	15
32	0211	6	Other	15
32	0259	5	Other	15
37	0201	4	Other	15
37	0202	4	Other	15
37	0203	4	Other	15
37	0204	4	Other	15
37	0205	4	Other	15
37	0206	4	Other	15
37	0207	4	Other	15
37	0208	4	Other	15
37	0209	5	Other	15
37	0210	5	Other	15
37	0211	5	Other	15
37	0212	5	Other	15
37	0259	5	Other	15.1
37	0260	5	Other	15
38	0213	4	Other	15
38	0214	4	Other	15

State Code	SHRP ID	Layer No	Transverse Sealant Type	Joint Spacing (ft)
38	0215	4	Other	15
38	0216	4	Other	15
38	0217	4	Other	15
38	0218	4	Other	15
38	0219	4	Other	15
38	0220	4	Other	15
38	0221	5	Other	15
38	0222	5	Other	15
38	0223	5	Other	15
38	0224	5	Other	15
38	0259	5	Performed	15
38	0260	4	Other	15
38	0261	4	Other	15
38	0262	4	Other	15
38	0263	5	Other	15
38	0264	5	Other	15
39	0201	3	Other	15
39	0202	3	Other	15
39	0203	3	Other	15
39	0204	4	Other	15
39	0205	3	Other	15
39	0206	3	Other	15
39	0207	3	Other	15
39	0208	3	Other	15
39	0209	4	Other	15
39	0210	4	Other	15
39	0211	4	Other	15
39	0212	5	Other	15
39	0259	4	Other	15
39	0260	5	Other	15
39	0261	4	Other	15
39	0262	4	Other	15
39	0263	3	Other	15
39	0264	4	Other	16
39	0265	5	Other	15
53	0201	5	Other	15
53	0202	4	Other	15
53	0203	3	Other	15
53	0204	5	Other	15
53	0205	5	Other	15
53	0206	5	Other	15
53	0207	5	Other	15
53	0208	5	Other	15
53	0209	6	Other	15
53	0210	5	Other	15
53	0211	6	Other	15

State Code	SHRP ID	Layer No	Transverse Sealant Type	Joint Spacing (ft)
53	0212	6	Other	15
53	0259	4	Other	15
55	0213	4	Other	15
55	0214	5	Other	15
55	0215	4	Other	15
55	0216	4	Other	15
55	0217	4	Other	15
55	0218	5	Other	15
55	0219	4	Other	15
55	0220	4	Other	15
55	0221	5	Other	15
55	0222	6	Other	15
55	0223	5	Other	15
55	0224	4	Other	15
55	0259	4	Other	18
55	0260	4	Other	18
55	0261	5	Other	15
55	0262	5	Other	15
55	0263	4	Other	18
55	0264	4	Other	18
55	0265	4	Other	18
55	0266	4	Other	16

Table B-30. Initial Annual Average Daily Truck Traffic (AADTT) of SPS-2 Sites

State Code	Initial AADTT	Growth Rate
4	4,202	2.2
5	4,485	2.1
6	4,516	2.3
8	772	3.9
10	596	1.8
19	904	3.9
20	1,521	1.7
26	2,930	2.2
32	1,235	2.0
37	985	3.5
38	200	3.5
39	1,490	1.7
53	804	2.2
55	682	1.5

Table B-31. Average Axles per Truck

State Code	Vehicle Class	Axle Group	Average Axles per Truck
4	4	1	1.32
4	4	2	0.69
4	5	1	2.14
4	5	2	0.01
4	5	3	0
4	5	4	0
4	6	1	1.01
4	6	2	0.99
4	6	3	0
4	7	1	1.56
4	7	2	0.15
4	7	3	0.31
4	7	4	0.55
4	8	1	2.85
4	8	2	0.35
4	9	1	0.87
4	9	2	1.42
4	9	3	0
4	9	4	0
4	10	1	1.04
4	10	2	1.11
4	10	3	0.87
4	10	4	0.01
4	11	1	5
4	11	2	0
4	12	1	4
4	12	2	1
4	13	1	1.39
4	13	2	2.9
4	13	3	0.31
4	13	4	0.03
5	4	1	1.48
5	4	2	0.52
5	5	1	2.28
5	5	2	0.03
5	5	3	0
5	5	4	0
5	6	1	1.01
5	6	2	0.99
5	6	3	0
5	7	1	1.03

State Code	Vehicle Class	Axle Group	Average Axles per Truck
5	7	2	0.06
5	7	3	0.61
5	7	4	0.33
5	8	1	2.65
5	8	2	0.48
5	8	3	0
5	9	1	0.37
5	9	2	0.56
5	9	3	0
5	9	4	0
5	10	1	1.07
5	10	2	0.97
5	10	3	0.96
5	10	4	0.06
5	11	1	5
5	11	2	0
5	12	1	4
5	12	2	1
5	12	3	0
5	13	1	1.41
5	13	2	2.14
5	13	3	0.94
5	13	4	0.08
6	4	1	1.39
6	4	2	0.61
6	5	1	2.18
6	5	2	0.02
6	5	3	0
6	5	4	0
6	6	1	1
6	6	2	1
6	6	3	0
6	7	1	1.55
6	7	2	0.57
6	7	3	0.42
6	7	4	0
6	8	1	2.59
6	8	2	0.49
6	9	1	1.07
6	9	2	1.67
6	9	3	0
6	9	4	0

State Code	Vehicle Class	Axle Group	Average Axles per Truck
6	10	1	1.09
6	10	2	1.22
6	10	3	0.75
6	10	4	0
6	11	1	5
6	11	2	0
6	12	1	4
6	12	2	1
6	13	1	1.56
6	13	2	2.82
6	13	3	0.12
6	13	4	0.05
8	4	1	1.35
8	4	2	0.65
8	5	1	2.15
8	5	2	0.02
8	5	3	0
8	6	1	1.03
8	6	2	0.98
8	6	3	0
8	7	1	1.71
8	7	2	0.26
8	7	3	0.54
8	7	4	0.03
8	8	1	2.67
8	8	2	0.42
8	9	1	1.18
8	9	2	1.9
8	9	3	0
8	10	1	1.04
8	10	2	1.06
8	10	3	0.91
8	10	4	0.05
8	11	1	5
8	11	2	0
8	12	1	4
8	12	2	1
8	13	1	2.26
8	13	2	2.39
8	13	3	0.26
8	13	4	0.02
10	4	1	1.58

State Code	Vehicle Class	Axle Group	Average Axles per Truck
10	4	2	0.42
10	5	1	2.12
10	5	2	0.01
10	5	3	0
10	6	1	1
10	6	2	1
10	6	3	0
10	7	1	1.01
10	7	2	0.02
10	7	3	0.98
10	7	4	0
10	8	1	2.47
10	8	2	0.6
10	8	3	0
10	8	4	0
10	9	1	1.38
10	9	2	1.8
10	9	3	0
10	9	4	0
10	10	1	1.04
10	10	2	1.16
10	10	3	0.73
10	10	4	0.07
10	11	1	5
10	11	2	0.01
10	12	1	4
10	12	2	1
10	13	1	1.71
10	13	2	0.95
10	13	3	0.58
10	13	4	0.42
19	4	1	1.69
19	4	2	0.31
19	5	1	2
19	6	1	1.02
19	6	2	0.98
19	6	3	0
19	7	1	1.05
19	7	2	0.14
19	7	3	0.84
19	7	4	0
19	8	1	2.67

State Code	Vehicle Class	Axle Group	Average Axles per Truck
19	8	2	0.33
19	8	3	0
19	8	4	0
19	9	1	1.2
19	9	2	1.89
19	9	3	0
19	9	4	0
19	10	1	1.15
19	10	2	1.26
19	10	3	0.52
19	10	4	0.14
19	11	1	5
19	11	2	0
19	12	1	3.89
19	12	2	0.96
19	12	3	0.04
19	12	4	0.05
19	13	1	1.25
19	13	2	0.57
19	13	3	1.27
19	13	4	0.12
20	4	1	1.29
20	4	2	0.71
20	5	1	2.22
20	5	2	0.02
20	5	3	0
20	5	4	0
20	6	1	1
20	6	2	1
20	7	1	1.36
20	7	2	0.14
20	7	3	0.72
20	7	4	0.15
20	8	1	2.74
20	8	2	0.38
20	9	1	1.27
20	9	2	1.86
20	9	3	0
20	9	4	0
20	10	1	1.04
20	10	2	1.09
20	10	3	0.88

State Code	Vehicle Class	Axle Group	Average Axles per Truck
20	10	4	0.03
20	11	1	4.99
20	11	2	0
20	12	1	3.99
20	12	2	1.01
20	13	1	1.37
20	13	2	1.88
20	13	3	0.87
20	13	4	0.17
26	4	1	1.72
26	4	2	0.27
26	5	1	2.04
26	5	2	0.01
26	5	3	0
26	6	1	1.01
26	6	2	0.99
26	7	1	1.03
26	7	2	0.14
26	7	3	0.72
26	7	4	0.2
26	8	1	2.3
26	8	2	0.74
26	8	3	0
26	9	1	1.28
26	9	2	1.86
26	9	3	0
26	9	4	0
26	10	1	1.51
26	10	2	1.38
26	10	3	0.31
26	10	4	0.27
26	11	1	5
26	11	2	0
26	12	1	3.99
26	12	2	1
26	12	3	0
26	12	4	0
26	13	1	2.11
26	13	2	2
26	13	3	0.15
26	13	4	0.6
32	4	1	1.48

State Code	Vehicle Class	Axle Group	Average Axles per Truck
32	4	2	0.52
32	5	1	2.32
32	5	2	0.06
32	5	3	0
32	6	1	1.13
32	6	2	0.95
32	7	1	1.21
32	7	2	0.27
32	7	3	0.69
32	7	4	0.07
32	8	1	2.6
32	8	2	0.42
32	8	3	0
32	9	1	1.25
32	9	2	1.88
32	9	3	0
32	10	1	1.03
32	10	2	0.78
32	10	3	0.85
32	10	4	0.43
32	11	1	5
32	11	2	0
32	12	1	4.01
32	12	2	0.99
32	12	3	0.01
32	13	1	3.8
32	13	2	1.86
32	13	3	0.14
32	13	4	0
37	4	1	1.73
37	4	2	0.27
37	5	1	2.01
37	6	1	1.03
37	6	2	0.98
37	6	3	0
37	6	4	0
37	7	1	1.25
37	7	2	0.28
37	7	3	0.66
37	7	4	0.01
37	8	1	2.34
37	8	2	0.66

State Code	Vehicle Class	Axle Group	Average Axles per Truck
37	8	3	0
37	8	4	0
37	9	1	1.13
37	9	2	1.94
37	9	3	0
37	9	4	0
37	10	1	1.08
37	10	2	1.21
37	10	3	0.53
37	10	4	0.13
37	11	1	5
37	11	2	0
37	12	1	4
37	12	2	1
37	12	3	0
37	13	1	1.23
37	13	2	0.63
37	13	3	1.25
37	13	4	0.07
39	4	1	1.8
39	4	2	0.31
39	4	3	0
39	5	1	2
39	5	2	0.01
39	6	1	1.06
39	6	2	0.96
39	6	3	0
39	7	1	1.98
39	7	2	0.22
39	7	3	0.24
39	7	4	0.24
39	8	1	2.46
39	8	2	0.56
39	8	3	0
39	8	4	0
39	9	1	1.17
39	9	2	1.91
39	9	3	0
39	9	4	0
39	10	1	1.34
39	10	2	1.09
39	10	3	0.69

State Code	Vehicle Class	Axle Group	Average Axles per Truck
39	10	4	0.07
39	11	1	4.86
39	11	2	0.07
39	11	3	0.01
39	11	4	0
39	12	1	4
39	12	2	0.99
39	12	3	0.01
39	12	4	0.01
39	13	1	4.74
39	13	2	1.24
39	13	3	0.07
39	13	4	0.15
53	4	1	1.6
53	4	2	0.4
53	5	1	2
53	6	1	1.31
53	6	2	0.84
53	6	3	0
53	7	1	1.2
53	7	2	0.47
53	7	3	0.41
53	7	4	0.03
53	8	1	2.91
53	8	2	0.23
53	8	3	0
53	8	4	0
53	9	1	1.28
53	9	2	1.86
53	9	3	0
53	9	4	0
53	10	1	1.1
53	10	2	1.11
53	10	3	0.73
53	10	4	0.23
53	11	1	4.76
53	11	2	0.09
53	11	3	0.01
53	11	4	0
53	12	1	3.76
53	12	2	1.03
53	12	3	0.06

State Code	Vehicle Class	Axle Group	Average Axles per Truck
53	12	4	0
53	13	1	2.31
53	13	2	2.25
53	13	3	0.18
53	13	4	0.02
55	4	1	1.27
55	4	2	0.73
55	5	1	2.2
55	5	2	0.03
55	5	3	0
55	6	1	1
55	6	2	1
55	6	3	0
55	7	1	1.03
55	7	2	0.01
55	7	3	0.14
55	7	4	0.85
55	8	1	2.53
55	8	2	0.53
55	9	1	1.28
55	9	2	1.86
55	9	3	0
55	9	4	0
55	10	1	1.26
55	10	2	1.21
55	10	3	0.69
55	10	4	0.05
55	11	1	4.99
55	11	2	0
55	12	1	4
55	12	2	1
55	13	1	1.52
55	13	2	1.44
55	13	3	0.68
55	13	4	0.36

Table B-32. Monthly Adjustment Factors for SPS-2 Sites

State Code	Vehicle Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4	4	1	1	1	1.1	1.1	1	1	1	1	1	1	0.9
4	5	1.2	1.2	1.2	1.1	0.9	0.9	1	0.8	0.8	0.9	1	1
4	6	1	1	1	1	1	1	0.9	0.9	0.9	0.9	1.1	1.2
4	7	0.9	0.7	1.1	1.2	1.1	1.2	0.8	0.9	1.1	1	0.7	1.1
4	8	1.6	1.5	1.3	1	0.7	0.8	0.7	0.7	0.8	1	1.1	1
4	9	1	1	1	1	1	1	1	1	1	1	1	1
4	10	1.1	1.3	1.1	1.1	0.9	1	0.8	0.9	0.9	1	0.9	1.1
4	11	1	1	1	1	1	1.1	1	1	1	1.1	0.9	0.9
4	12	1	1	1	1	1	1	1	1	1	1.1	1	1
4	13	0.9	0.9	1	1	0.8	1.2	1	1	1.3	1.1	0.9	1
5	4	0.8	0.9	1	1	0.9	1.1	1.1	1.1	1	1.1	1	0.9
5	5	0.8	0.9	1	1	1	1.1	1.1	1	1.1	1	1	1
5	6	0.9	1	1	1.1	1	1	1	1	1	1.1	1	0.9
5	7	0.7	0.8	0.8	1	1.1	1.1	1	1.3	1.4	1	1.1	0.7
5	8	0.9	0.9	0.9	0.9	0.9	1	1	1	1.1	1.2	1.1	1.1
5	9	1	1	1	1	1	1	1	1	1	1	1	0.9
5	10	0.9	1	1	1	1	1	0.9	1	1.1	1	1	1.2
5	11	0.9	1	1	1	1	1	1	1	1	1	1	0.9
5	12	1	1	1	1	0.9	1	1	1	1	1.1	1	1
5	13	0.9	0.9	1	1	1.2	1.1	0.8	0.9	1	1	1	1
6	4	0.9	0.9	1	1	1.2	1.1	1	1	1.1	1.1	0.9	0.9
6	5	0.9	1	1	1.1	1	1.1	1	1	1	1	1	0.9
6	6	0.9	1	1	1	1	1	1	1	1	1.1	1	0.9
6	7	0.9	0.9	1	0.9	0.9	1.1	1	1	1.3	0.9	0.9	1.1
6	8	0.9	1	1.2	1.2	1.1	1.1	1	1	1	1	0.9	0.9
6	9	0.9	1	1	1	1	1	1	1	1	1	1	0.9
6	10	1	0.9	0.9	1	1.1	1.2	0.9	1	0.9	1	0.9	1.1
6	11	0.7	0.7	0.8	0.8	0.8	0.9	1.1	1.6	1.6	1.4	0.8	0.7
6	12	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.2	1.5	1.5	0.9	0.8
6	13	0.9	0.8	0.9	0.9	1.1	1.3	0.9	0.8	0.9	1.2	1.2	1.1
8	4	0.9	0.9	1	1	1	1.2	1.2	1.1	1	1.1	0.9	0.8
8	5	0.9	0.8	0.9	1	1	1.1	1.1	1.1	1	1	1	1
8	6	0.9	0.9	1	1	1.1	1.1	1.1	1.1	1	1	0.9	0.8
8	7	0.6	0.7	1.1	0.9	2	1.1	0.7	0.8	1.3	0.7	0.9	1.1
8	8	0.8	0.7	0.9	1	1.1	1.3	1.3	1.2	1.1	1	0.8	0.7
8	9	0.9	0.9	1	1	1	1	1	1.1	1.1	1.1	1	0.9
8	10	0.9	0.9	1	1	1	1.1	1	1.1	1.1	1.1	1	0.9
8	11	0.9	1	1	1	1	1	1	1	1	1.1	1	0.9
8	12	0.9	0.9	1	1	1	1.1	1	1.1	1.1	1.1	1	0.9
8	13	0.8	0.7	0.9	1.1	1.1	1.2	1	1.1	1.1	1.2	1	0.9
10	4	0.8	0.9	1	1.1	1.1	1	0.9	1	1.1	1.1	1	1
10	5	0.8	0.9	0.9	1	1.1	1.1	1.2	1.1	1.1	1.1	0.9	0.9
10	6	0.7	0.9	0.9	1	1	1	1.1	1.1	1.1	1.1	1	1.1
10	7	0.7	0.9	0.9	1.6	1.3	1.3	0.9	0.9	0.9	0.8	0.9	0.9
10	8	0.6	0.7	0.8	1	1.1	1.2	1.4	1.3	1.2	1	0.8	0.8
10	9	0.9	1	1	1.1	1	1	1	1	1	1	0.9	0.9

State Code	Vehicle Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
10	10	0.7	1.1	1	1.3	1.1	1.1	0.9	1	1.1	1	1	0.8
10	11	0	0	0	0	0	0	0	12	0	0	0	0
10	12	0.4	1	0.5	0.7	0.8	0.5	0.8	0.8	0.7	4.3	0.7	0.7
10	13	0	0	0	4.8	0	0	0	2.4	2.4	0	2.4	0
19	4	0.8	0.8	0.9	1.1	1.2	1.1	1	1.1	1.1	1.1	1	0.9
19	5	0.9	0.9	0.9	1	1	1	1.1	1.3	1.1	1.1	1	0.9
19	6	0.8	0.7	0.9	1	1.1	1.2	1.2	1.2	1.1	1.1	1	0.8
19	7	0.5	0.5	0.8	1.2	1.1	1.1	1.4	1.4	1.1	1.2	1	0.7
19	8	0.6	0.7	0.8	1	1.2	1.4	1.4	1.4	1.2	1.1	0.8	0.7
19	9	0.9	0.9	1	1	1	0.9	1	1.1	1.1	1.1	1	0.9
19	10	0.7	0.6	0.8	1.1	1	0.9	1.1	1.3	1.3	1.3	1.2	0.8
19	11	0.7	0.8	0.8	1.1	1.1	1	1.1	1.3	1.1	1.2	1	0.7
19	12	0.7	1.3	0.9	1	0.8	0.9	1.1	1.1	1.1	1	1.2	0.9
19	13	0.7	0.7	0.8	1	1	1.1	1.3	1.3	1.2	1.2	1	0.8
20	4	0.8	0.8	1	1	1	1.3	1.3	1.1	1	1	0.9	0.8
20	5	0.8	0.8	0.9	0.9	1	1.2	1.2	1.1	1.1	1.1	1	0.9
20	6	0.9	0.9	1.1	1	1	1.1	1	1.1	1	1	1	0.9
20	7	0.4	0.7	0.9	1.2	1.1	1.4	1.3	0.9	1	1.3	1.2	0.5
20	8	0.7	0.7	0.8	0.9	1.1	1.3	1.3	1.2	1.2	1.1	0.8	0.7
20	9	0.9	1	1	1	1	1.1	1	1.1	1	1	1	0.9
20	10	0.9	0.9	1	1.1	1	1.2	1.1	1.1	1	1	0.9	0.9
20	11	0.9	1	1	1	1	1.1	1	1	1	1	0.9	0.9
20	12	0.9	1	1	1	1	1	1	1	1	1.1	1	1
20	13	0.4	0.9	0.9	1	1.3	1.4	1.2	1.2	1.1	1.2	0.7	0.7
26	4	0.7	0.9	0.9	1	1.2	1.3	0.9	1.1	1.1	1.1	0.9	0.8
26	5	0.8	0.8	0.9	1	1.1	1.2	1.2	1.2	1	1	0.9	0.8
26	6	0.8	0.9	0.9	1	1	1.1	1.1	1.2	1.1	1.1	1	0.9
26	7	0.7	0.8	0.9	1.1	1	1.1	1.1	1.2	1	1.1	1	0.9
26	8	0.9	0.9	1	1	1	1.1	1	1.1	1	1	1	1
26	9	0.9	1	1	1	1	1.1	0.9	1.1	1	1.1	1	0.9
26	10	0.8	0.9	0.9	1	1	1.1	1	1.1	1.1	1.2	1.1	0.9
26	11	0.9	1	1	1	1	1	1	1.1	1	1.1	1	0.9
26	12	0.9	1	1	1	1	1	1	1	1	1.1	1	1
26	13	0.6	0.7	0.8	1	1.1	1.1	1.1	1.2	1.2	1.3	1.1	0.7
32	4	0.7	0.8	0.9	0.9	1	1.2	1.2	1.3	1.2	1.1	0.9	0.8
32	5	0.6	0.6	0.8	0.9	1.1	1.4	1.4	1.4	1.3	1.1	0.8	0.6
32	6	0.8	0.8	0.9	1	1	1.1	1.1	1.2	1.1	1.1	0.9	0.9
32	7	0.6	1.3	0.8	1.2	0.7	1.4	1.3	1.6	1	0.5	1.2	0.3
32	8	0.7	0.8	0.8	1	1.1	1.3	1.2	1.2	1.2	1.1	0.8	0.8
32	9	0.7	0.7	0.8	1	1.1	1.2	1.2	1.2	1.2	1.1	0.9	0.7
32	10	0.9	0.9	0.9	1	1.1	1	1	1.1	1.1	1	1	0.9
32	11	1.3	1.2	1.1	1	0.9	0.9	0.9	0.9	0.9	0.9	1	1.2
32	12	1	1	1	1	1	1	0.9	1	1	1	1	1
32	13	0.8	0.9	1	1	1.1	1	1	1	1	1.1	1	1
37	4	1.1	1	1	1	1	1	1	1	0.9	1.1	1	0.9
37	5	0.9	1	1	1	1.1	1.1	1	1	1	1.1	1	0.9
37	6	0.9	0.9	1	1	1	1.1	1	1	1	1	1	0.9

State Code	Vehicle Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
37	7	0.8	1	0.9	1.2	1.2	1.2	1.1	0.7	0.9	1.2	1.2	0.7
37	8	0.9	0.9	0.9	1	1	1.1	1	1.1	1.1	1.1	1	0.9
37	9	1	1	1	1	1	1.1	1	1	1	1	1	0.9
37	10	0.8	0.9	0.9	1.1	1.1	1.1	0.9	1	1	1.2	1.1	0.8
37	11	1	1	1	1	1	1.1	1	1.1	1	1	1	0.9
37	12	1	1	1.1	1	1	1.1	1	1	1	1	1	0.9
37	13	1	1	0.9	1.3	0.9	1.1	0.8	1.1	1.1	1.5	0.9	0.5
38	4	0.8	0.65	0.9	0.9	0.95	0.95	1.95	1.05	0.9	1.15	1	0.9
38	5	0.55	0.7	0.9	1	1.1	1.05	1.55	1.3	1.15	1.05	1	0.65
38	6	0.65	0.55	0.7	0.85	1.4	1.3	1.3	1.3	1.2	1.4	1	0.5
38	7	0.25	0.15	0	0.55	1.55	1.55	1.6	1.9	0.9	1.6	1	0.9
38	8	0.5	0.55	0.75	1	0.95	0.9	1.45	1.3	1.6	1.5	1	0.55
38	9	1	1.05	1.35	1.3	1.05	0.65	0.65	0.65	1.35	1.2	1	0.9
38	10	0.75	0.6	0.8	0.9	0.95	0.7	0.95	0.75	1.5	2.1	1	1.1
38	11	0	0	2.7	0	0.85	0.5	0.85	0.85	2.7	1.85	1	0.85
38	12	0.45	1.15	1.15	1.15	1.15	0.95	1.15	1.15	1.6	0.45	1	0.45
38	13	0.85	1.2	1.25	1.35	0.75	0.6	0.65	0.8	1.2	1.45	1	1
39	4	0.8	0.9	1	1	1.1	1.1	1	1.1	1	1.1	1	1
39	5	0.9	1	1	1	1	1.1	1	1	1	1.1	1	1
39	6	1	1.1	1	0.9	0.9	1	0.9	0.9	0.9	1	1.1	1.1
39	7	0.6	0.6	0.9	0.9	1	1.4	1.4	1.3	1.2	1.2	0.8	0.7
39	8	0.8	0.8	0.9	1	1.1	1.2	1.2	1.2	1.1	1	0.9	0.8
39	9	1	1.1	1.1	1	1	1.1	0.9	1	1	1	1	1
39	10	0.8	0.9	1.2	1	0.9	1	1	1.1	1	1.1	0.9	0.9
39	11	0.9	1	1	1	1	1.1	1	1.2	1.1	1	0.9	0.8
39	12	0.9	1	1.1	0.9	1	1	1	1.1	1.1	1	1	1
39	13	0.8	0.8	1.1	0.9	0.8	1	0.8	1.1	1.5	1.2	1.4	0.7
53	4	0.8	0.9	1	1.1	1.1	1.1	1	1	1	1.1	1	0.8
53	5	0.8	0.9	0.9	1	1	1.2	1.2	1.2	1.1	1	0.9	0.8
53	6	0.8	0.9	1	1	1	1.1	1.1	1.2	1	1.1	0.9	0.9
53	7	0.6	0.6	0.9	1	1.3	1.5	1	1.2	1.2	1.6	0.5	0.4
53	8	0.5	0.6	0.8	1	1.1	1.4	1.5	1.4	1.2	1	0.7	0.5
53	9	0.9	0.9	1	1.1	1	1	1	1.1	1	1	0.9	0.9
53	10	0.9	1	1.2	1.2	1	1	0.9	1	1	1	0.9	0.8
53	11	0.9	0.9	1	1.1	1	1.1	1	1.1	1	1.1	0.9	0.9
53	12	0.9	1	1	1.1	1	1	1	1.1	1	1.1	1	0.9
53	13	0.9	1	1.1	1.1	1	1	1	1.1	1	1	0.9	0.8
55	4	0.9	0.8	0.9	1	0.9	1.2	1	1.2	1	1.2	0.9	0.8
55	5	0.8	0.8	0.8	1.1	1.1	1.2	1.3	1.3	1.2	1.1	0.8	0.6
55	6	0.7	1	0.8	1	1	1.2	1	1.4	1.2	1.4	0.7	0.6
55	7	0.9	0.8	0.8	0.7	1.3	0.7	0.6	1.3	1.3	1.2	1.6	0.7
55	8	0.8	0.8	0.9	1.1	1.2	1.2	1.3	1.2	1.1	1	0.7	0.7
55	9	1	1.1	1	1.1	1	1.1	1	1	1	1	0.9	0.9
55	10	0.9	1.1	1.1	0.9	0.8	1.4	1.1	1	1	1	1	0.8
55	11	0.9	0.9	0.9	0.9	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9
55	12	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	0.9	0.9	0.9	0.9
55	13	0.6	0.6	0.9	0.6	0.9	1.5	2.3	0.9	1.2	1.2	0.9	0.6

Table B-33. Vehicle Class Distribution for SPS-2 Sites

Vehicle Class	AZ	AR	CA	CO	DE	IA	KN	MI	NV	NC	ND	OH	WA	WI
4	0.8	0.7	0.6	0.9	4.3	3.7	0.8	1.3	2.2	3.8	2.4	4.1	1.2	1.1
5	15.3	9.8	19.9	24.1	33.9	15.4	23	11.4	9.3	15.4	25.3	9.6	16.1	23.5
6	1.4	1.4	2.7	3.2	9.4	9.8	1.5	2.3	1.5	4.5	6.3	4.5	1.7	3.8
7	0.1	0.1	0.1	0.2	1.5	0.7	0.2	0.4	0	0.2	1.4	1	0.1	2.5
8	3.2	3.2	4.9	3.7	4.5	9.2	4.6	4.5	1.8	6.7	13	6.6	7.2	3.9
9	72.6	77.9	62.5	62	46	57.8	60.3	67.8	71.1	62.3	43.2	69.9	47.6	62
10	0.5	0.6	0.3	0.8	0.4	1.8	0.9	3.2	1.7	0.6	4.3	1	12.5	2.7
11	3.8	4.4	7.8	3.3	0	1.3	5.9	2.8	1.4	4.7	0.2	2.2	4	0.3
12	2.2	1.8	1.2	1.7	0	0.1	2.7	1.2	1.3	1.7	0.5	0.5	2.8	0.1
13	0.1	0.1	0	0.1	0	0.2	0.1	5.1	9.7	0.1	3.4	0.6	6.8	0.1

Table B-34. Percent Hourly Volume of SPS-2 Sites

Hour	AZ	AR	CA	CO	KN	OH	WA
0	3.3	2.7	2.0	1.5	2.2	2.5	1.7
1	3.2	2.5	1.9	1.3	1.9	2.3	1.5
2	3.1	2.3	2.2	1.3	1.8	2.3	1.8
3	3.2	2.2	2.7	1.7	1.8	2.6	2.3
4	3.6	2.4	3.2	2.3	2.0	3.2	2.8
5	3.8	2.7	4.0	3.5	2.5	3.6	3.1
6	4.2	3.4	4.7	4.5	3.5	4.0	3.5
7	4.4	4.0	5.0	5.2	4.4	4.4	4.0
8	4.6	4.6	5.4	6.2	5.3	5.0	4.3
9	4.7	5.1	5.9	6.9	5.8	5.9	5.0
10	4.7	5.3	6.0	7.0	6.3	6.3	5.6
11	4.6	5.6	6.1	6.9	6.5	6.3	5.9
12	4.6	5.7	6.1	6.6	6.3	6.0	5.8
13	4.6	5.7	5.7	6.4	6.2	5.9	5.9
14	4.7	5.7	5.6	6.1	6.1	5.6	6.1
15	4.8	5.7	5.5	5.8	6.0	5.2	6.3
16	4.9	5.5	5.1	5.2	5.8	4.8	6.0
17	5.1	5.1	4.5	4.6	5.3	4.2	5.9
18	4.9	5.0	4.0	4.0	4.5	4.0	5.5
19	4.5	4.6	3.6	3.4	3.9	3.6	4.8
20	4.1	4.2	3.1	2.9	3.5	3.3	4.2
21	3.7	3.8	2.8	2.7	3.2	3.1	3.3
22	3.4	3.4	2.6	2.0	2.9	3.0	2.7
23	3.3	3.0	2.3	1.7	2.6	2.8	2.1

APPENDIX C

LINEAR REGRESSION OF PERFORMANCE MEASURES

Table C-1. Linear Regression of Measured Performance

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
4	0213	0.625	2.618	92.605	0.153	8.84E-04	-0.003	0.317	0.133	-1.09
4	0214	0.859	2.221	60.34	0.601	2.72E-03	-0.01	0.689	0.161	-1.136
4	0215	0.479	1.767	96.473	0.265	1.26E-03	0		0	0
4	0216	0.797	0.744	81.581	0.129	8.23E-04	-0.002		0	0
4	0217	0.004	0.061	77.746	0.073	5.32E-04	0.003	0.882	3.474	2.081
4	0218	0.374	0.631	63.938	0.004	-1.09E-04	0.002	0.682	2.023	14.708
4	0219	0.366	0.993	84.27	0.044	-5.07E-04	0.002	0.936	3.909	-20.262
4	0220	0.779	1.029	65.581	0	8.00E-06	0.005	0.126	-0.062	1.369
4	0221	0.077	0.286	75.536	0.035	3.75E-04	0.003		0	0
4	0222	0.53	0.92	59.872	0.029	2.81E-04	0.002	0.673	2.168	-16.14
4	0223	0.456	1.11	79.112	0.033	-3.86E-04	0.002		0	0
4	0224	0.694	1.436	61.652	0.002	-5.90E-05	0.003		0	0
4	0262	0.93	6.931	88.872	0.821	9.38E-03	0.034	0.494	0.112	-0.843
4	0263	0.199	0.479	75.348	0.007	-1.83E-04	0.021	0.839	0.346	-2.024
4	0264	0.703	1.293	110.371	0.041	-4.91E-04	0.028	0.169	0.083	-0.67
4	0265	0.929	3.302	92.092	0.676	3.83E-03	0.06		0	0
4	0266	0.611	1.358	87.172	0.022	-2.87E-04	0.018		0	0
4	0267	0.511	-0.741	97.852	0.039	-2.23E-04	0.014		0	0
4	0268	0.096	0.239	90.682	0.004	1.25E-04	0.018		0	0
5	0213	0.573	11.795	42.948	0.067	2.27E-03	0.031	0.179	0.929	-0.208
5	0214	0.947	5.229	100.89	0.754	5.47E-03	-0.015	0.449	0.15	-0.961
5	0215	0.963	5.539	61.775	0.893	7.74E-03	0.003		0	0
5	0216	0.451	2.536	99.044	0.415	1.36E-03	0.006		0	0
5	0217	0.739	9.759	36.017	0.175	-8.85E-04	0.006	0.883	1.792	-8.002
5	0218	0.147	0.669	86.028	0.716	-2.34E-03	0.018	0.64	4.768	33.036
5	0219	0.591	1.141	82.488	0.274	-1.01E-03	0.017		0	0
5	0220	0.644	1.927	109.45	0.024	3.26E-04	0.005		0	0
5	0221	0.533	1.813	59.827	0.374	1.69E-03	0.009	0.773	0.508	-2.407
5	0222	0.824	2.963	54.551	0.778	5.20E-03	-0.012		0	0
5	0223	0.531	1.243	68.061	0.099	4.89E-04	0.008		0	0
5	0224	0.202	0.536	99.937	0.289	1.23E-03	0.016		0	0
6	0201	0.95	6.261	72.155	0.001	7.20E-05	0.008	0.749	4.436	27.503
6	0202	0.671	2.065	80.387	0.581	1.03E-03	-0.005	0.837	5.135	23.456
6	0203	0.78	-2.854	116.749	0.021	-3.57E-04	0.008	0.178	-0.167	2.892
6	0204	0.406	1.381	102.295	0.121	6.50E-04	-0.003		0	0
6	0205	0.641	1.273	69.95	0.46	1.48E-03	-0.006	0.781	3.944	27.954
6	0206	0.091	0.266	90.56	0.007	1.38E-04	0.001	0.833	3.577	19.536
6	0207	0.141	0.434	87.13	0.697	2.14E-03	-0.002	0.848	0.65	2.112
6	0208	0.283	1.36	97.241	0.236	1.12E-03	-0.003	0.828	1.226	1.047
6	0209	0.312	0.421	80.883	0.371	1.63E-03	-0.005	0.821	0.341	-0.464
6	0210	0.345	1.468	64.835	0.459	7.39E-04	-0.002		0	0
6	0211	0.582	0.771	111.466	0.67	1.62E-03	-0.002		0	0
6	0212	0.365	1.208	83.106	0.01	1.44E-04	0.004		0	0
8	0213	0.218	0.394	72.607	0.008	1.72E-04	0.005		0	0

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
8	0214	0.419	1.549	55.556	0.015	2.80E-04	0.004	0.797	0.318	-2.111
8	0215	0.737	1.825	63.895	0.104	4.55E-04	0.001		0	0
8	0216	0.683	2.367	52.076	0.084	-5.11E-04	0.006	0.843	1.151	-3.037
8	0217	0.77	3.573	88.961	0	-2.60E-05	0.001	0.78	1.622	-11.873
8	0218	0.777	2.186	74.095	0	4.20E-05	0.004	0.782	0.547	-1.108
8	0219	0.875	1.436	91.612	0.146	7.20E-04	-0.003		0	0
8	0220	0.565	0.952	104.557	0.339	-1.04E-03	0.008		0	0
8	0221	0.454	0.435	90.839	0.026	-2.29E-04	0.009		0	0
8	0222	0.227	0.471	81.708	0.119	-5.03E-04	0.006		0	0
8	0223	0.12	0.365	104.968	0.036	4.81E-04	0.014	0.618	0.726	-5.838
8	0224	0.423	0.885	93.765	0.446	-1.49E-03	0.019		0	0
8	0259	0.001	-0.021	72.92	0.283	-1.07E-03	0.014		0	0
10	0201	0.4	1.056	71.416	0.13	4.18E-04	-0.005		0	0
10	0202	0.327	0.67	51.929	0	-2.30E-05	0		0	0
10	0203	0.781	1.264	60.385	0.506	9.30E-04	0		0	0
10	0204	0.896	2.039	83.506	0.244	9.91E-04	0.001		0	0
10	0205	0.731	0.928	72.906	0.002	-8.10E-05	0.01	0.3	0.472	10.562
10	0206	0.155	0.417	49.986	0.277	8.17E-04	-0.007		0	0
10	0207	0.905	3.564	58.491	0.14	6.13E-04	0	0.208	0.101	-0.157
10	0208	0.795	2.716	95.925	0.224	9.10E-04	0.001		0	0
10	0209	0.823	0.732	48.045	0.411	7.26E-04	-0.003		0	0
10	0210	0.839	0.73	60.407	0.102	3.87E-04	0.001		0	0
10	0211	0.36	0.146	54.504	0.009	-6.20E-05	0		0	0
10	0212	0.069	0.076	95.238	0.169	7.21E-04	-0.002		0	0
10	0259	0.349	0.246	73.798	0.018	1.83E-04	0.002		0	0
10	0260	0.84	2.833	63.74	0.293	1.76E-03	0.002		0	0
19	0213	0.619	0.491	67.49	0.102	3.79E-04	0.001		0	0
19	0214	0.864	3.531	70.628	0.113	-5.47E-04	0.011	0.654	0.284	-1.841
19	0215	0.344	0.298	113.51	0.286	7.64E-04	0.007		0	0
19	0216	0.828	2.569	75.159	0.026	2.31E-04	0.009	0.515	0.121	-0.769
19	0217	0.243	1.358	94.058	0.274	1.11E-03	-0.001	0.587	-0.321	6.547
19	0218	0.94	5.105	63.208	0.14	1.20E-03	-0.003	0.752	0.489	-2.668
19	0219	0.142	0.228	90.316	0.219	3.92E-04	0.003		0	0
19	0220	0.84	2.669	58.275	0.537	5.62E-04	-0.001	0.274	0.064	-0.423
19	0221	0.613	0.834	83.064	0.016	-2.05E-04	0.012	0.273	0.064	-0.421
19	0222	0.341	0.428	116.052	0.021	-1.21E-04	0.006		0	0
19	0223	0.061	-0.126	130.139	0.028	-1.30E-04	0.005		0	0
19	0224	0.075	-0.161	83.344	0.006	8.80E-05	0.005		0	0
19	0259	0.413	0.302	75.256	0.03	1.73E-04	0		0	0
20	0201	0.878	2.801	81.067	0	-2.00E-05	0.005	0.337	0.442	3.54
20	0202	0.688	1.528	51.013	0.072	-2.71E-04	0.006	0.568	0.932	-2.526
20	0203	0.78	0.623	89.298	0.002	1.54E-04	0.006		0	0
20	0204	0.008	-0.078	85.555	0.022	1.51E-04	0.004	0.144	0.05	-0.368
20	0205	0.869	3.154	70.504	0.856	8.01E-04	-0.004		0	0
20	0206	0.671	2.415	88.219	0.458	9.86E-04	-0.001		0	0

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
20	0207	0.872	1.803	92.436	0.01	-1.28E-04	0.007		0	0
20	0208	0.418	0.525	119.168	0.024	-3.01E-04	0.004	0.053	0.092	-0.371
20	0209	0.038	-0.105	71.732	0.013	-1.87E-04	0.002		0	0
20	0210	0.058	0.174	87.226	0.301	-7.87E-04	0.011		0	0
20	0211	0.008	-0.053	78.264	0.399	-2.98E-04	0.007		0	0
20	0212	0.012	-0.06	107.413	0.02	1.54E-04	0.005		0	0
20	0259	0.516	0.64	80.831	0.02	1.19E-04	0.004		0	0
26	0213	0.634	13.768	47.669	0.444	8.18E-03	0	0.594	1.518	-1.645
26	0214	0.793	17.385	70.762	0.002	1.59E-04	0.01	0.689	1.323	-2.936
26	0215	0.537	26.818	-3.234	0.95	1.66E-02	-0.007	0.481	0.703	-0.75
26	0216	0.711	5.815	66.82	0.272	-1.37E-03	0.018		0	0
26	0217	0.627	34.096	-14.961	0.082	6.26E-04	0.003		0	0
26	0218	0.77	47.806	19.341	0.957	2.13E-02	0	0.94	24.051	0.575
26	0219	0.911	2.104	70.275	0.117	7.88E-04	0.002		0	0
26	0220	0.77	6.111	67.719	0.254	-1.37E-03	0.014		0	0
26	0221	0.755	0.83	64.824	0.135	6.24E-04	0.002		0	0
26	0222	0.682	2.931	66.233	0.088	9.99E-04	0.01	0.349	0.643	-2.318
26	0223	0.775	1.467	59.105	0.253	1.12E-03	0.002		0	0
26	0224	0.723	1.88	59.376	0	1.70E-05	0.008		0	0
26	0259	0.206	0.329	68.213	0.012	-1.26E-04	0.006	0.776	2.874	-11.038
32	0201	0.974	18.428	37.402	0.206	-2.64E-03	0.019	0.403	6.356	41.377
32	0202	1	48.169	53.716	1	-3.00E-02	0.059		0	100
32	0203	0.601	3.235	52.136	0.032	-8.79E-04	0.007	0.458	2.248	73.912
32	0204	0.012	0.547	120.753	0.046	-1.80E-03	0.012	0.768	6.107	13.223
32	0205	0.67	4.957	57.735	0.236	-2.60E-03	0.023	0.617	3.847	76.25
32	0206	1	7.599	81.493		0.00E+00	0.004		0	100
32	0207	0.024	0.789	76.806	0.036	-1.71E-03	0.012	0.835	7.27	-14.31
32	0208	0.098	-1.058	109.809	0.177	-2.11E-03	0.016	0.786	11.544	9.55
32	0209	0.235	2.047	57.811	0.053	-1.37E-03	0.013	0.69	0.517	-0.425
32	0210	0.097	1.413	80.079	0.187	-2.71E-03	0.02	0.93	8.895	12.623
32	0211	0.49	3.678	56.333	0.061	-1.64E-03	0.012	0.46	0.929	2.381
32	0259	0.33	2.792	74.027	0.164	-2.17E-03	0.016		0	0
37	0201	0.325	1.57	83.35	0.185	1.54E-03	0.005	0.468	0.461	-1.656
37	0202	0.363	2.088	86.689	0.037	-6.85E-04	0.003		0	0
37	0203	0.293	0.385	109.475	0.001	4.90E-05	0.009		0	0
37	0204	0.873	1.976	73.476	0.326	1.51E-03	0.004		0	0
37	0205	0.112	0.683	117.242	0.04	3.16E-04	0.002	0.764	8.263	-34.927
37	0206	0.156	0.947	91.399	0.021	-2.73E-04	0.002		0	0
37	0207	0.002	0.021	115.079	0	-1.60E-05	0.003		0	0
37	0208	0.689	1.927	103.438	0.092	-2.44E-04	0.007		0	0
37	0209	0.37	0.547	79.62	0.548	1.13E-03	-0.001		0	0
37	0210	0.013	0.266	86.118	0.233	1.37E-03	0		0	0
37	0211	0.283	-0.196	83.246	0.004	1.25E-04	0.004		0	0
37	0212	0.488	0.796	67.207	0.096	-8.97E-04	0.022		0	0
37	0259	0.182	-0.158	86.654	0.007	-8.80E-05	0.005		0	0

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
37	0260	0.151	0.129	94.368	0.038	1.32E-04	0.001		0	0
38	0213	0.001	-0.032	80.776	0.383	1.88E-03	-0.003		0	0
38	0214	0.659	1.652	68.112	0.003	-6.00E-05	0.009		0	0
38	0215	0.756	2.751	98.822	0.432	2.12E-03	-0.001		0	0
38	0216	0.662	1.228	101.067	0.038	1.23E-04	0.002		0	0
38	0217	0.748	2.375	79.732	0.134	7.71E-04	0.007	0.157	-0.324	13.816
38	0218	0.478	3.584	79.079	0.012	-1.11E-04	0.005		0	0
38	0219	0.58	1.576	82.628	0.397	3.03E-03	0.001	0.001	0.006	0.542
38	0220	0.102	-0.285	98.375	0.137	8.35E-04	-0.003	0.066	0.081	0.358
38	0221	0.111	-0.207	86.334	0.022	-2.29E-04	0.01		0	0
38	0222	0.021	-0.115	94.083	0.027	2.38E-04	0.005		0	0
38	0223	0.014	0.089	89.866	0.195	7.44E-04	0.002		0	0
38	0224	0.403	-0.296	125.435	0.002	3.10E-05	0.003		0	0
38	0259	0.057	0.268	98.591	0.011	1.59E-04	0.014		0	0
38	0260	0.705	1.499	89.606	0.5	8.81E-04	0.007		0	0
38	0261	0.985	5.383	57.36	0.947	8.17E-03	0.016		0	0
38	0262	0.977	2.518	86.842	0.82	5.39E-03	0.02		0	0
38	0263	0.85	0.96	87.297	0.752	2.34E-03	0		0	0
38	0264	0.581	0.602	86.872	0.574	1.73E-03	0.01		0	0
39	0201	0.821	3.007	81.447	0.471	4.28E-04	-0.001	0.828	5.962	-11.358
39	0202	0.971	4.466	72.633	0.275	8.75E-04	0	0.871	8.241	-14.963
39	0203	0.266	0.333	68.64	0.002	-3.20E-05	0.004	0.444	0.123	-0.739
39	0204	0.427	1.938	52.746	0.239	-1.24E-03	0.009	0.79	7.455	-16.902
39	0205	0.78	5.555	70.681	0.082	9.49E-04	0.003	0.892	12.171	-14.749
39	0206	0.884	5.096	73.223	0.523	1.76E-03	-0.005	0.902	8.71	-12.877
39	0207	0.493	1.381	81.156	0.022	-2.53E-04	0.007	0.687	0.599	-2.645
39	0208	0.716	3.739	72.336	0.02	2.12E-04	0.004	0.427	2.426	-9.317
39	0209	0.892	3.744	56.176	0.012	-1.34E-04	0.004	0.757	2.967	-12.097
39	0210	0.689	2.37	62.916	0.007	2.43E-04	0.006	0.789	4.618	-11.065
39	0211	0.849	0.982	82.341	0.006	6.40E-05	0.003		0	0
39	0212	0.79	4.023	51.763	0.481	1.28E-03	-0.006	0.809	4.849	-16.654
39	0259	0.503	1.512	50.848	0.378	-8.51E-04	0.003	0.848	2.375	2.319
39	0260	0.683	0.457	71.189	0.157	7.12E-04	-0.001	0.411	0.192	-1.171
39	0261	0.352	0.204	73.554	0.13	7.46E-04	0		0	0
39	0262	0.532	0.43	75.581	0.118	2.09E-04	-0.001		0	0
39	0263	0.679	0.529	78.583	0	-1.00E-05	0.002		0	0
39	0264	0.784	7.236	71.956	0.492	1.16E-03	0.004	0.621	0.528	-1.459
39	0265	0.748	0.599	92.01	0.004	5.50E-05	0.004	0.635	0.439	-2.388
53	0201	0.747	0.774	79.688	0.006	-1.47E-04	0.013	0.653	0.176	-0.912
53	0202	0.026	0.061	62.335	0.036	3.94E-04	0.006	0.678	0.472	-2.45
53	0203	0.76	0.789	76.688	0.016	2.08E-04	0.008		0	0
53	0204	0.208	0.244	74.123	0.048	3.96E-04	0.006		0	0
53	0205	0.841	0.538	75.516	0.169	9.06E-04	0.007	0.802	0.704	1.249
53	0206	0.193	1.249	101.585	0.083	5.52E-04	0.008	0.868	0.976	4.292
53	0207	0.909	1.335	75.99	0.234	8.27E-04	0	0.51	0.65	-1.163

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
53	0208	0.324	1.38	81.875	0.11	6.37E-04	0.006	0.443	0.12	-0.694
53	0209	0.955	1.113	77.905	0.432	1.32E-03	-0.002		0	0
53	0210	0.025	0.16	56.791	0.004	1.04E-04	0.007		0	0
53	0211	0.615	0.473	70.596	0.091	5.17E-04	0.005		0	0
53	0212	0.305	-0.416	73.482	0.005	-1.48E-04	0.007		0	0
53	0259	0.741	0.952	64.934	0.013	1.74E-04	0.008		0	0
55	0213	0.094	0.556	75.465	0.619	7.17E-04	0.002		0	0
55	0214	0.154	0.401	87.679	0.004	-7.60E-05	-0.005		0	0
55	0215	0.528	0.877	79.797	0.011	-6.20E-05	0.002		0	0
55	0216	0.658	0.714	96.612	0.229	3.84E-04	0		0	0
55	0217	0.618	0.414	50.771	0.241	1.56E-04	0.001		0	0
55	0218	0.045	0.097	75.861	0.386	-4.50E-04	-0.001		0	0
55	0219	0.417	0.953	60.188	0.019	9.40E-05	0.003		0	0
55	0220	0.912	1.304	80.085	0.117	1.54E-04	0		0	0
55	0221	0.411	0.933	76.259	0.316	4.68E-04	-0.002		0	0
55	0222	0	-0.001	104.91	0.338	8.12E-04	-0.01		0	0
55	0223	0.037	0.182	81.712	0.022	1.69E-04	-0.003		0	0
55	0224	0.044	-0.157	72.718	0.166	9.20E-05	0		0	0
55	0259	0.015	0.116	87.541	0.054	1.76E-04	0.002		0	0
55	0260	0.092	0.67	83.704	0.048	2.77E-04	0.003		0	0
55	0261	0.579	1.213	54.258	0.053	1.78E-04	0.001		0	0
55	0262	0.174	-0.44	80.112	0	1.00E-05	-0.001		0	0
55	0263	0.686	0.711	57.96	0.615	2.30E-04	-0.001		0	0
55	0264	0.092	-0.236	84.34	0.806	1.40E-03	-0.002		0	0
55	0265	0.039	-0.163	89.178	0.267	7.12E-04	0.005	0.382	0.133	-0.802
55	0266	0.091	0.494	78.984	0.052	1.05E-04	0.004		0	0

Table C-2. Linear Regression of Predicted Performance using Default Calibrations

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
4	0213	0.99	3.576	88.3	0.995	1.14E-03	-0.001	0.988	3.571	-8.201
4	0214	0.993	0.841	84.755	0.992	1.59E-03	-0.003		0	0
4	0215	0.993	0.27	90.021	0.985	4.80E-04	-0.001	0.805	0.001	-0.004
4	0216	0.993	0.377	87.339	0.989	7.11E-04	-0.001		0	0
4	0217	0.992	0.364	88.455	0.987	6.00E-04	-0.001		0	0
4	0218	0.987	0.253	91.271	0.98	4.77E-04	-0.001		0	0
4	0219	0.988	0.089	82.836	0.868	1.20E-04	0		0	0
4	0220	0.989	0.115	78.088	0.948	2.17E-04	0		0	0
4	0221	0.971	2.285	70.343	0.988	6.60E-04	-0.001	0.965	2.304	-6.955
4	0222	0.983	0.459	72.278	0.981	8.70E-04	-0.002		0	0
4	0223	0.985	0.207	74.919	0.956	2.45E-04	0	0.955	0.065	-0.19
4	0224	0.989	0.188	65.711	0.974	3.54E-04	-0.001		0	0
4	0262	0.992	0.742	69.976	0.995	1.01E-03	-0.001	0.928	0.143	-0.502
4	0263	0.966	0.334	71.094	0.936	1.97E-04	0	0.929	0.215	-0.753
4	0264	0.986	0.147	109.851	0.945	2.15E-04	0	0.869	0.001	-0.004
4	0265	0.981	1.345	85.145	0.984	5.07E-04	-0.001	0.976	1.222	-3.101
4	0266	0.99	0.166	86.541	0.963	2.62E-04	0	0.963	0.011	-0.029
4	0267	0.979	0.288	90.031	0.956	2.43E-04	0	0.956	0.154	-0.452
4	0268	0.983	3.053	85.425	0.99	8.67E-04	-0.002	0.981	3.111	-8.05
5	0213	0.803	2.874	163.042	0.998	3.64E-03	0	0.05	0.398	94.617
5	0214	0.98	4.657	111.343	0.972	8.27E-03	0.021	0.92	0.301	-1.107
5	0215	0.52	2.147	139.147	0.994	7.90E-04	-0.001	0.341	1.841	73.461
5	0216	0.999	0.953	79.945	0.998	1.69E-03	-0.002	0.96	0.023	-0.067
5	0217	0.999	2.597	79.95	0.996	4.26E-03	0.003		0	0
5	0218	0.997	2.666	84.943	0.995	4.81E-03	0.004		0	0
5	0219	0.974	0.402	79.529	0.924	1.68E-04	0		0	0
5	0220	0.992	0.184	105.416	0.964	2.64E-04	0		0	0
5	0221	0.813	5.67	101.635	0.99	4.67E-03	0.007	0.579	3.622	47.217
5	0222	0.997	3.879	65.762	0.996	4.29E-03	0	0.96	1.909	-5.862
5	0223	0.597	2.782	117.253	0.981	4.05E-04	-0.001	0.502	2.854	58.292
5	0224	0.992	0.578	97.284	0.99	1.02E-03	-0.002	0.918	0.002	-0.007
6	0201	0.995	4.241	70.069	0.993	1.00E-03	-0.001	0.993	4.414	-5.599
6	0202	1	3.48	72.568	0.998	5.56E-03	0.001	0.919	0.621	-2.313
6	0203	0.992	0.994	108.707	0.994	1.63E-03	-0.002	0.953	0.09	-0.274
6	0204	0.996	4.442	90.709	0.998	7.86E-03	-0.009	0.957	0.344	-1.025
6	0205	0.991	0.279	67.959	0.977	3.49E-04	0		0	0
6	0206	0.997	0.983	82.247	0.997	1.78E-03	-0.002		0	0
6	0207	0.988	0.304	83.036	0.981	4.47E-04	-0.001		0	0
6	0208	0.991	1.723	81.53	0.991	3.23E-03	-0.005		0	0
6	0209	0.994	3.661	72.079	0.989	5.36E-04	0	0.993	4.027	-6.999
6	0210	0.992	2.039	50.544	0.999	2.66E-03	-0.003	0.947	0.728	-2.357
6	0211	0.991	0.528	109.777	0.991	8.91E-04	-0.001	0.955	0.005	-0.016
6	0212	0.995	2.865	73.865	0.996	5.37E-03	-0.007	0.95	0.022	-0.068
8	0213	0.959	1.189	72.294	0.953	4.37E-04	-0.001		0	0

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
8	0214	0.993	0.782	65.133	0.966	5.84E-04	-0.001		0	0
8	0215	0.964	0.983	68.258	0.937	2.10E-04	0		0	0
8	0216	0.996	0.742	64.395	0.976	5.32E-04	-0.001		0	0
8	0217	0.956	1.18	102.574	0.881	1.39E-04	0		0	0
8	0218	0.996	0.735	89.922	0.978	4.83E-04	-0.001		0	0
8	0219	0.967	0.881	94.599	0.831	1.09E-04	0		0	0
8	0220	0.999	0.526	108.166	0.879	1.36E-04	0		0	0
8	0221	0.966	1.858	95.592	0.942	3.20E-04	-0.001	0.871	0.003	-0.012
8	0222	0.994	0.685	86.965	0.956	4.03E-04	-0.001		0	0
8	0223	0.962	0.967	116.355	0.807	1.02E-04	0		0	0
8	0224	0.991	0.693	103.858	0.958	2.80E-04	-0.001		0	0
8	0259	0.993	0.712	72.784	0.968	3.73E-04	-0.001		0	0
10	0201	0.987	0.842	65.32	0.977	1.27E-03	-0.003	0.29	0	-0.002
10	0202	0.994	0.431	53.31	0.974	4.93E-04	-0.001		0	0
10	0203	0.994	0.469	66.653	0.98	5.63E-04	-0.001		0	0
10	0204	0.997	0.33	90.578	0.964	3.00E-04	0		0	0
10	0205	0.995	0.389	72.49	0.971	4.08E-04	-0.001		0	0
10	0206	0.997	0.276	62.272	0.931	2.00E-04	0		0	0
10	0207	0.999	0.273	67.563	0.932	1.92E-04	0		0	0
10	0208	0.999	0.226	102.785	0.843	1.12E-04	0		0	0
10	0209	0.988	0.473	48.951	0.967	5.70E-04	-0.001		0	0
10	0210	0.997	0.275	58.162	0.928	1.98E-04	0		0	0
10	0211	0.998	0.255	55.205	0.912	1.61E-04	0		0	0
10	0212	0.998	0.262	95.252	0.923	1.71E-04	0		0	0
10	0259	0.996	0.454	74.469	0.981	5.31E-04	-0.001		0	0
10	0260	0.982	0.898	74.138	0.972	1.38E-03	-0.003		0	0
19	0213	0.989	1.222	74.117	0.947	4.99E-04	-0.001		0	0
19	0214	0.991	1.299	83.903	0.96	1.04E-03	-0.003		0	0
19	0215	0.997	1.616	113.963	0.996	1.35E-03	-0.001	0.587	0.001	-0.003
19	0216	0.998	1.912	78.344	0.995	2.23E-03	-0.003		0	0
19	0217	0.992	1.387	83.716	0.983	5.40E-04	-0.001		0	0
19	0218	0.994	1.486	75.904	0.98	1.38E-03	-0.003		0	0
19	0219	0.996	1.435	95.079	0.995	9.33E-04	-0.001		0	0
19	0220	0.998	1.244	65.358	0.988	9.51E-04	-0.001		0	0
19	0221	0.993	1.813	76.396	0.99	1.49E-03	-0.003	0.598	0.001	-0.003
19	0222	0.995	1.967	115.523	0.989	2.30E-03	-0.004		0	0
19	0223	0.995	1.355	139.383	0.992	7.27E-04	-0.001	0.925	0.048	-0.172
19	0224	0.999	1.72	82.854	0.997	1.86E-03	-0.002		0	0
19	0259	0.998	3.656	71.102	0.997	5.69E-03	-0.008	0.892	0.01	-0.042
20	0201	0.982	4.076	72.423	0.988	2.82E-03	-0.005	0.975	2.424	-6.867
20	0202	0.991	1.9	73.622	0.986	2.85E-03	-0.005	0.649	0.001	-0.003
20	0203	0.998	1.465	90.032	0.998	1.88E-03	-0.002		0	0
20	0204	0.998	1.545	88.828	0.996	2.19E-03	-0.003		0	0
20	0205	0.987	0.962	82.025	0.979	8.22E-04	-0.002		0	0
20	0206	0.991	1.089	128.226	0.98	1.32E-03	-0.003		0	0

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
20	0207	0.995	0.927	101.166	0.993	8.29E-04	-0.001		0	0
20	0208	0.998	0.974	122.509	0.993	1.13E-03	-0.002		0	0
20	0209	0.976	2.083	69.925	0.986	1.87E-03	-0.004	0.924	0.506	-1.861
20	0210	0.989	1.779	83.428	0.984	2.60E-03	-0.006		0	0
20	0211	0.995	0.983	80.423	0.992	9.90E-04	-0.001		0	0
20	0212	0.995	1.035	113.254	0.988	1.23E-03	-0.002		0	0
20	0259	0.997	0.996	98.322	0.994	1.04E-03	-0.001		0	0
26	0213	0.999	1.945	77.764	0.998	2.60E-03	-0.002		0	0
26	0214	0.996	4.419	122.818	0.995	7.31E-03	-0.004		0	0
26	0215	1	1.611	57.193	0.999	1.97E-03	0		0	0
26	0216	0.995	4.131	99.702	0.994	6.77E-03	0.002		0	0
26	0217	1	1.012	65.782	0.996	8.26E-04	0		0	0
26	0218	0.999	1.097	96.697	0.995	9.84E-04	-0.001		0	0
26	0219	1	0.918	74.551	0.993	6.57E-04	0		0	0
26	0220	1	1.911	85.402	0.999	2.55E-03	0		0	0
26	0221	1	2.335	65.571	1	3.34E-03	-0.001		0	0
26	0222	0.995	1.87	77.473	0.99	2.46E-03	-0.004		0	0
26	0223	1	1.193	67.526	0.998	1.18E-03	0		0	0
26	0224	1	1.829	70.233	0.999	2.39E-03	-0.001		0	0
26	0259	0.955	3.466	75.313	0.936	9.92E-03	0.023		0	0
32	0201	0.962	1.75	50.277	0.953	9.85E-04	-0.003		0	0
32	0202	0.989	1.476	90.352	0.974	1.46E-03	-0.003		0	0
32	0203	0.979	1.317	49.259	0.987	5.23E-04	-0.001		0	0
32	0204	0.994	1.164	98.256	0.977	9.74E-04	-0.002		0	0
32	0205	0.963	1.534	58.796	0.949	3.43E-04	-0.001		0	0
32	0206	0.998	1.54	87.601	0.998	1.57E-03	-0.001		0	0
32	0207	0.97	1.419	57.897	0.974	3.20E-04	0		0	0
32	0208	0.997	0.996	98.886	0.983	6.18E-04	-0.001		0	0
32	0209	0.965	1.558	49.454	0.961	4.67E-04	-0.001		0	0
32	0210	0.987	2.024	64.585	0.977	2.51E-03	-0.007		0	0
32	0211	0.978	1.153	46.358	0.958	2.51E-04	0		0	0
32	0259	0.966	1.947	61.452	0.954	1.71E-03	-0.006		0	0
37	0201	0.977	0.221	85.417	0.864	1.18E-04	0	0.854	0.002	-0.007
37	0202	0.955	0.716	86.706	0.98	4.16E-04	-0.001	0.915	0.473	-1.777
37	0203	0.985	0.342	108.848	0.978	4.37E-04	-0.001		0	0
37	0204	0.992	0.618	78.989	0.99	1.02E-03	-0.002		0	0
37	0205	0.972	0.231	129.077	0.713	7.40E-05	0		0	0
37	0206	0.985	0.206	94.658	0.927	1.71E-04	0		0	0
37	0207	0.984	0.144	117.405	0.851	1.15E-04	0		0	0
37	0208	0.983	0.169	114.062	0.918	1.67E-04	0		0	0
37	0209	0.977	0.23	78.154	0.854	1.15E-04	0		0	0
37	0210	0.983	0.257	79.592	0.96	2.82E-04	0	0.893	0.005	-0.02
37	0211	0.977	0.173	83.121	0.855	1.17E-04	0		0	0
37	0212	0.98	0.324	68.708	0.97	4.55E-04	-0.001		0	0
37	0259	0.967	0.64	88.464	0.963	9.52E-04	-0.003		0	0

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
37	0260	0.976	0.214	98.054	0.907	1.60E-04	0		0	0
38	0213	0.999	2.477	94.46	0.994	8.59E-04	0	0.721	0.001	-0.004
38	0214	1	2.429	81.497	0.993	1.01E-03	-0.001		0	0
38	0215	1	2.055	109.455	0.858	1.17E-04	0		0	0
38	0216	1	1.95	106.147	0.844	1.13E-04	0		0	0
38	0217	0.999	2.196	93.47	0.952	2.35E-04	0		0	0
38	0218	1	2.004	140.319	0.943	2.05E-04	0		0	0
38	0219	1	2.037	91.687	0.759	9.10E-05	0		0	0
38	0220	1	1.938	95.94	0.752	8.90E-05	0		0	0
38	0221	0.999	2.675	89.496	0.992	1.05E-03	-0.001	0.878	0.003	-0.013
38	0222	1	2.344	103.379	0.992	8.51E-04	0		0	0
38	0223	1	2.041	95.532	0.844	1.12E-04	0		0	0
38	0224	1	1.969	129.848	0.895	1.51E-04	0		0	0
38	0259	1	2.337	108.1	0.993	8.52E-04	0		0	0
38	0260	1	1.954	105.138	0.693	6.90E-05	0		0	0
38	0261	0.999	2.249	82.158	0.958	2.63E-04	0		0	0
38	0262	1	2.049	92.649	0.761	9.10E-05	0		0	0
38	0263	1	2.051	94.06	0.858	1.17E-04	0		0	0
38	0264	1	1.978	94.583	0.858	1.17E-04	0		0	0
39	0201	0.998	3.53	77.894	0.997	5.56E-03	-0.007		0	0
39	0202	0.996	5.279	71.592	0.994	8.92E-03	-0.004		0	0
39	0203	0.999	2.852	65.134	0.999	4.26E-03	-0.004		0	0
39	0204	0.997	4.087	52.663	0.996	6.66E-03	-0.004		0	0
39	0205	0.994	1.386	76.557	0.983	1.47E-03	-0.003		0	0
39	0206	0.998	2.82	76.619	0.997	4.23E-03	-0.005		0	0
39	0207	0.999	1.055	87.03	0.994	8.77E-04	-0.001		0	0
39	0208	0.998	1.482	93.664	0.993	1.69E-03	-0.002		0	0
39	0209	0.993	2.484	58.921	0.989	3.57E-03	-0.006		0	0
39	0210	0.998	3.75	63.386	0.997	6.01E-03	-0.007		0	0
39	0211	0.996	1.051	85.011	0.981	8.87E-04	-0.002		0	0
39	0212	0.999	2.648	67.515	0.999	3.92E-03	-0.003		0	0
39	0259	0.999	6.622	46.459	0.989	6.50E-03	0.005	0.992	3.007	-6.166
39	0260	0.999	1.626	70.464	0.997	1.96E-03	-0.002		0	0
39	0261	0.998	1.476	71.63	0.996	1.61E-03	-0.002		0	0
39	0262	0.998	1.143	78.95	0.991	1.01E-03	-0.001		0	0
39	0263	0.999	3.111	73.901	0.998	4.72E-03	-0.003		0	0
39	0264	1	1.875	64.43	0.999	2.54E-03	-0.001		0	0
39	0265	0.999	1.755	88.075	0.998	2.14E-03	-0.002		0	0
53	0201	0.975	1.017	75.109	0.984	9.57E-04	-0.001	0.932	0.036	-0.125
53	0202	0.991	0.603	62.906	0.981	7.43E-04	-0.001		0	0
53	0203	0.976	0.438	79.067	0.884	1.36E-04	0		0	0
53	0204	0.997	0.563	76.172	0.989	6.69E-04	-0.001		0	0
53	0205	0.966	0.898	76.848	0.971	3.02E-04	0		0	0
53	0206	0.996	0.337	66.324	0.947	2.17E-04	0		0	0
53	0207	0.981	0.505	75.486	0.954	2.29E-04	0		0	0

State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
53	0208	0.999	0.336	70.937	0.959	2.48E-04	0		0	0
53	0209	0.976	0.739	77.419	0.984	5.11E-04	-0.001	0.906	0.002	-0.009
53	0210	0.994	0.615	49.714	0.985	7.62E-04	-0.001		0	0
53	0211	0.993	0.403	73.839	0.957	2.43E-04	0		0	0
53	0212	0.999	0.422	69.658	0.983	4.12E-04	0		0	0
53	0259	0.986	0.615	65.093	0.985	5.20E-04	0	0.208	0	-0.001
55	0213	0.997	2.233	64.296	0.99	1.79E-03	-0.003	0.896	0.002	-0.009
55	0214	1	1.5	85.424	0.988	5.81E-04	-0.001		0	0
55	0215	0.999	1.604	78.791	0.993	6.69E-04	0		0	0

Table C-3. Linear Regression of Predicted Performance using Agency Calibrations

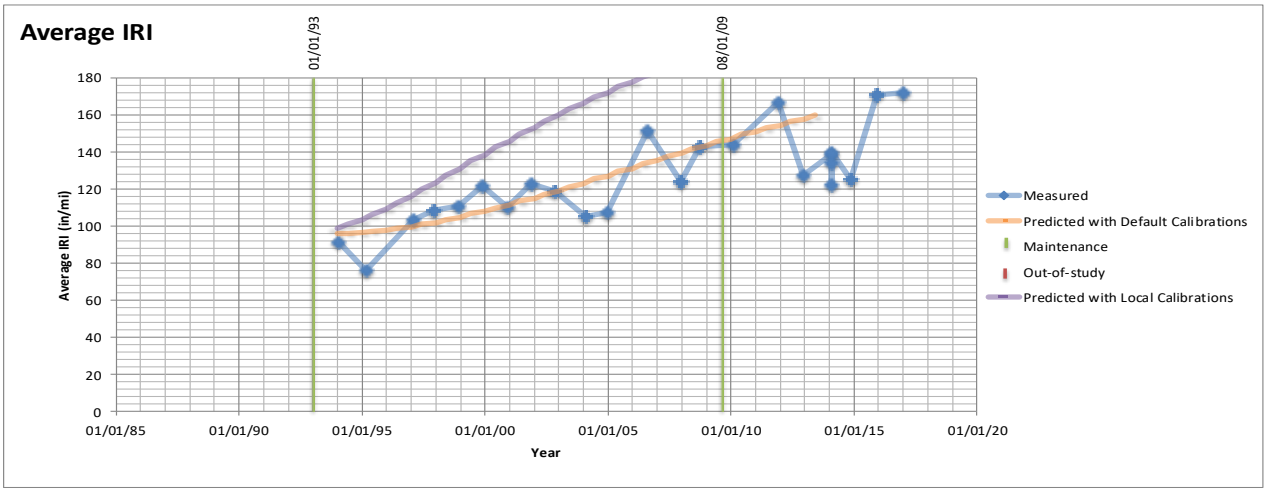
State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
4	0213	0.986	5.901	100.863	0.982	6.09E-03	0.009	0.978	4.838	-1.215
4	0214	0.977	2.919	89.436	0.976	6.69E-03	0.007		0	0
4	0215	0.999	1.373	90.919	0.998	2.88E-03	0	0.962	0.004	-0.011
4	0216	0.996	1.554	88.303	0.995	3.55E-03	0.001		0	0
4	0217	0.999	1.115	91.283	0.998	1.70E-03	0		0	0
4	0218	0.999	0.625	91.284	0.998	1.40E-03	-0.001		0	0
4	0219	0.989	0.386	84.052	0.982	3.82E-04	0		0	0
4	0220	0.998	0.293	78.135	0.992	6.24E-04	-0.001		0	0
4	0221	0.996	3.73	73.838	0.998	2.20E-03	-0.001	0.993	3.998	-7.474
4	0222	0.997	1.117	72.135	0.997	2.55E-03	-0.003		0	0
4	0223	0.992	0.691	75.778	0.995	7.98E-04	-0.001	0.967	0.232	-0.617
4	0224	0.998	0.507	65.653	0.996	1.11E-03	-0.001		0	0
4	0262	0.994	3.078	76.232	0.983	5.34E-03	0.01	0.944	0.441	-1.436
4	0263	0.982	1.1	72.506	0.995	7.98E-04	-0.001	0.947	0.6	-1.928
4	0264	0.992	0.514	110.618	0.991	6.93E-04	-0.001	0.962	0.005	-0.013
4	0265	0.999	3.262	87.919	0.998	2.80E-03	0	0.997	2.566	-3.763
4	0266	0.996	0.524	87.365	0.996	7.83E-04	-0.001	0.969	0.042	-0.105
4	0267	0.988	0.919	91.106	0.995	7.98E-04	-0.001	0.97	0.496	-1.298
4	0268	0.995	4.333	91.816	0.996	2.68E-03	-0.001	0.989	4.719	-4.144
8	0213	0.959	1.185	72.3	0.952	4.27E-04	-0.001		0	0
8	0214	0.993	0.777	65.145	0.967	5.73E-04	-0.001		0	0
8	0215	0.965	0.981	68.261	0.934	2.08E-04	0		0	0
8	0216	0.996	0.737	64.4	0.977	5.24E-04	-0.001		0	0
8	0217	0.956	1.175	102.585	0.88	1.25E-04	0		0	0
8	0218	0.996	0.715	89.942	0.975	4.45E-04	-0.001		0	0
8	0219	0.967	0.876	94.606	0.795	9.90E-05	0		0	0
8	0220	0.999	0.519	108.173	0.869	1.21E-04	0		0	0
8	0221	0.966	1.843	95.639	0.938	2.93E-04	-0.001	0.891	0.004	-0.016
8	0222	0.994	0.663	87.016	0.954	3.60E-04	-0.001		0	0
8	0223	0.961	0.961	116.364	0.754	8.60E-05	0		0	0
8	0224	0.991	0.675	103.886	0.949	2.49E-04	0		0	0
8	0259	0.993	0.705	72.796	0.966	3.61E-04	-0.001		0	0
19	0213	0.99	0.626	74.965	0.989	4.29E-03	0.001	0.865	0.001	0.014
19	0214	1	0.439	85.586	0.956	5.77E-03	0.015		0	0
19	0215	0.997	0.589	115.429	0.86	5.58E-03	0.04	0.916	0.018	0.236
19	0216	0.993	0.431	80.811	0.812	6.19E-03	0.055	0.722	0.001	0.011
19	0217	0.987	0.763	84.45	0.942	3.96E-03	0.013		0	0
19	0218	0.999	0.446	77.974	0.896	5.65E-03	0.027		0	0
19	0219	0.995	0.617	96.065	0.879	4.77E-03	0.034		0	0
19	0220	0.999	0.42	66.582	0.904	4.97E-03	0.026		0	0
19	0221	0.994	0.717	78.462	0.862	5.73E-03	0.031	0.929	0.035	0.251
19	0222	0.995	0.46	118.579	0.834	6.64E-03	0.049	0.919	0.006	0.039
19	0223	0.995	0.608	140.435	0.907	4.61E-03	0.024	0.9	0.064	0.675
19	0224	0.993	0.428	84.684	0.806	5.72E-03	0.058	0.889	0.016	0.178

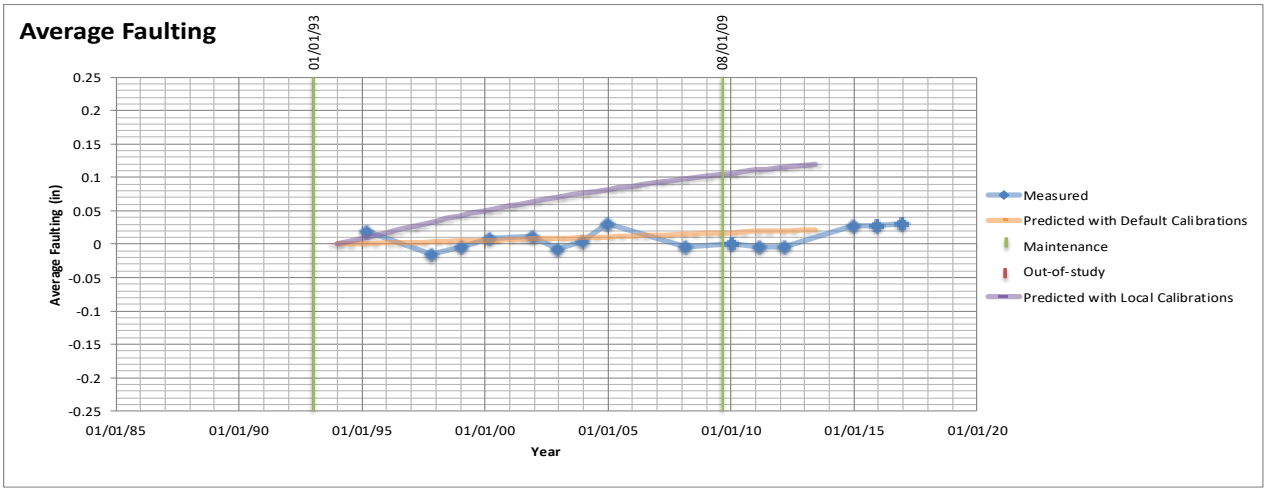
State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
19	0259	0.989	0.474	76.501	0.585	5.57E-03	0.109	0.927	0.014	0.155
26	0213	0.998	0.927	78.403	0.986	5.59E-04	-0.001		0	0
26	0214	0.997	1.667	123.427	0.994	1.98E-03	-0.003		0	0
26	0215	1	0.825	57.165	0.986	4.20E-04	0		0	0
26	0216	1	1.547	97.797	0.998	1.79E-03	-0.001		0	0
26	0217	0.999	0.727	65.871	0.927	1.78E-04	0		0	0
26	0218	0.998	0.761	96.949	0.949	2.16E-04	0		0	0
26	0219	1	0.678	74.656	0.897	1.50E-04	0		0	0
26	0220	1	0.92	85.228	0.993	6.16E-04	0		0	0
26	0221	0.999	1.056	65.497	0.994	7.99E-04	-0.001		0	0
26	0222	0.996	0.932	78.999	0.974	5.69E-04	-0.001		0	0
26	0223	0.999	0.741	67.64	0.965	2.62E-04	0		0	0
26	0224	0.999	0.912	70.261	0.991	5.66E-04	0		0	0
26	0259	0.991	1.703	68.911	0.98	3.88E-03	0.001	0.865	0.001	-0.005
39	0201	0.988	2.035	78.572	0.99	2.73E-03	-0.005		0	0
39	0202	0.997	3.209	69.779	0.997	4.92E-03	-0.006		0	0
39	0203	0.992	1.705	65.263	0.997	2.05E-03	-0.003		0	0
39	0204	0.998	2.321	51.997	0.998	3.48E-03	-0.004		0	0
39	0205	0.971	0.859	76.984	0.976	6.96E-04	-0.001		0	0
39	0206	0.991	1.652	77.045	0.993	2.21E-03	-0.004		0	0
39	0207	0.986	0.535	87.151	0.983	4.15E-04	0		0	0
39	0208	0.987	0.763	94.087	0.987	8.23E-04	-0.001		0	0
39	0209	0.977	1.494	59.864	0.98	1.78E-03	-0.004		0	0
39	0210	0.992	2.274	63.55	0.993	3.25E-03	-0.005		0	0
39	0211	0.983	0.462	85.383	0.969	4.08E-04	-0.001		0	0
39	0212	0.996	1.452	67.649	0.997	2.02E-03	-0.003		0	0
39	0259	0.993	5.348	44.178	0.998	3.47E-03	0	0.989	2.129	-4.507
39	0260	0.991	0.857	70.752	0.993	9.40E-04	-0.001		0	0
39	0261	0.975	1.062	71.652	0.99	7.66E-04	-0.001		0	0
39	0262	0.975	0.724	79.035	0.982	4.72E-04	-0.001		0	0
39	0263	0.993	2.003	73.456	0.998	2.33E-03	-0.002		0	0
39	0264	0.987	1.253	64.264	0.997	1.26E-03	-0.001		0	0
39	0265	0.983	1.214	88.098	0.995	1.03E-03	-0.001		0	0
53	0201	0.961	1.459	74.322		0.00E+00	0	0.949	0.212	-0.659
53	0202	1	0.553	63.619		0.00E+00	0		0	0
53	0203	0.974	0.985	78.425		0.00E+00	0	0.948	0.003	-0.009
53	0204	0.999	0.56	76.462		0.00E+00	0		0	0
53	0205	0.955	1.962	75.248		0.00E+00	0		0	0
53	0206	0.998	0.592	66.319		0.00E+00	0		0	0
53	0207	0.972	1.02	74.781		0.00E+00	0		0	0
53	0208	1	0.552	70.94		0.00E+00	0		0	0
53	0209	0.963	1.261	76.602		0.00E+00	0	0.939	0.021	-0.07
53	0210	0.999	0.575	50.144		0.00E+00	0		0	0
53	0211	0.989	0.736	73.552		0.00E+00	0		0	0
53	0212	1	0.552	69.737		0.00E+00	0		0	0

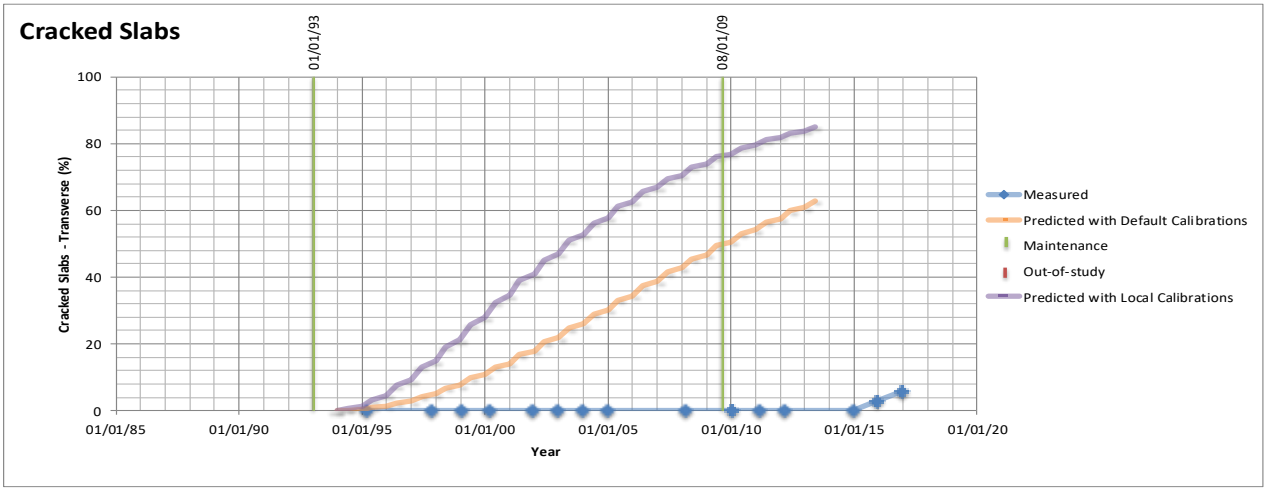
State Code	SHRP ID	IRI (inch/mile per year)			Faulting (inch per year)			Cracked Slabs (% per year)		
		R-sq	Slope	Intercept	R-sq	Slope	Intercept	R-sq	Slope	Intercept
53	0259	0.978	0.91	64.731		0.00E+00	0	0.947	0.004	-0.011
55	0213	0.997	2.841	64.584	0.988	1.24E-03	-0.002	0.922	0.003	-0.009
55	0214	1	2.262	85.431	0.979	3.99E-04	0		0	0
55	0215	0.999	2.488	78.522	0.987	4.66E-04	0		0	0
55	0216	1	2.192	96.948	0.938	1.97E-04	0		0	0
55	0217	0.998	2.682	51.689	0.992	6.31E-04	0		0	0
55	0218	1	2.183	80.572	0.924	1.74E-04	0		0	0
55	0219	0.999	2.392	58.817	0.954	2.30E-04	0		0	0
55	0220	1	2.178	80.911	0.879	1.38E-04	0		0	0
55	0221	0.997	2.679	72.815	0.985	5.92E-04	-0.001	0.208	0	-0.001
55	0222	1	2.214	105.546	0.96	2.50E-04	0		0	0
55	0223	0.999	2.357	81.069	0.97	2.94E-04	0		0	0
55	0224	1	2.177	71.4	0.858	1.17E-04	0		0	0
55	0259	0.999	2.557	79.591	0.994	8.88E-04	-0.001	0.959	0.008	-0.022
55	0260	0.998	2.738	65.856	0.995	1.09E-03	-0.001	0.958	0.029	-0.085
55	0261	0.998	2.559	55.333	0.983	4.15E-04	0		0	0
55	0262	1	2.213	75.581	0.955	2.42E-04	0		0	0
55	0263	0.998	2.694	55.683	0.985	1.59E-03	-0.003	0.951	0.005	-0.014
55	0264	0.998	2.8	77.206	0.996	1.19E-03	-0.001	0.955	0.032	-0.096
55	0265	0.999	2.764	82.053	0.999	1.73E-03	-0.001	0.956	0.01	-0.03
55	0266	0.999	2.53	69.339	0.988	6.92E-04	-0.001	0.693	0.001	-0.003

APPENDIX D

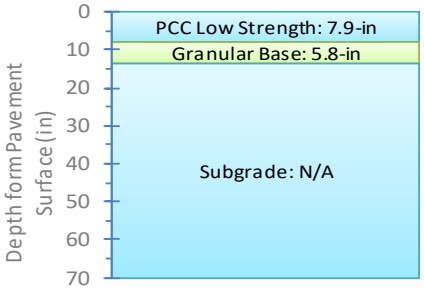
COMPARISON GRAPHS







Date	Event
1-Jan-1993	In-study
1-Aug-2009	Partial Depth Patching of PCC Pavement Other Than at Joint; Partial depth patching



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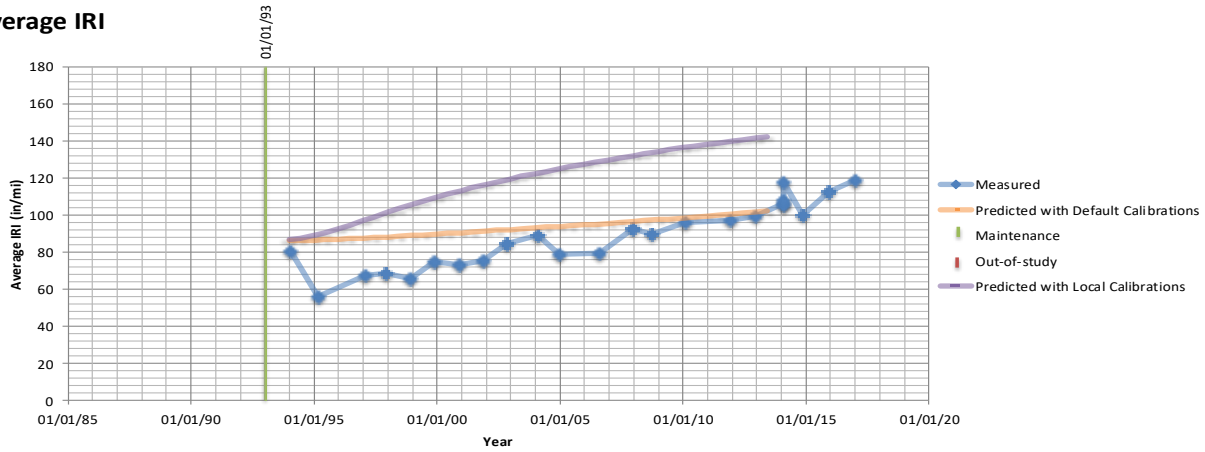
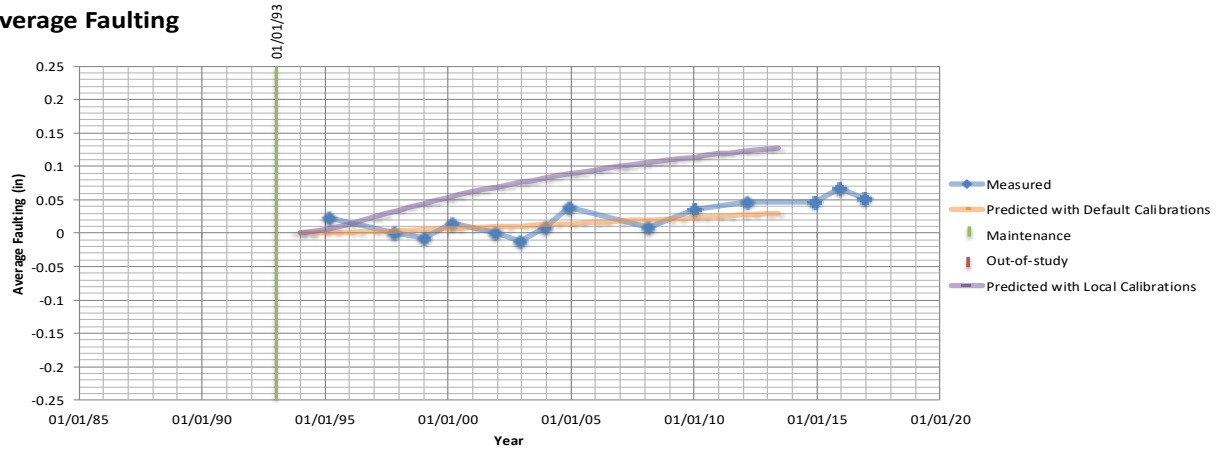
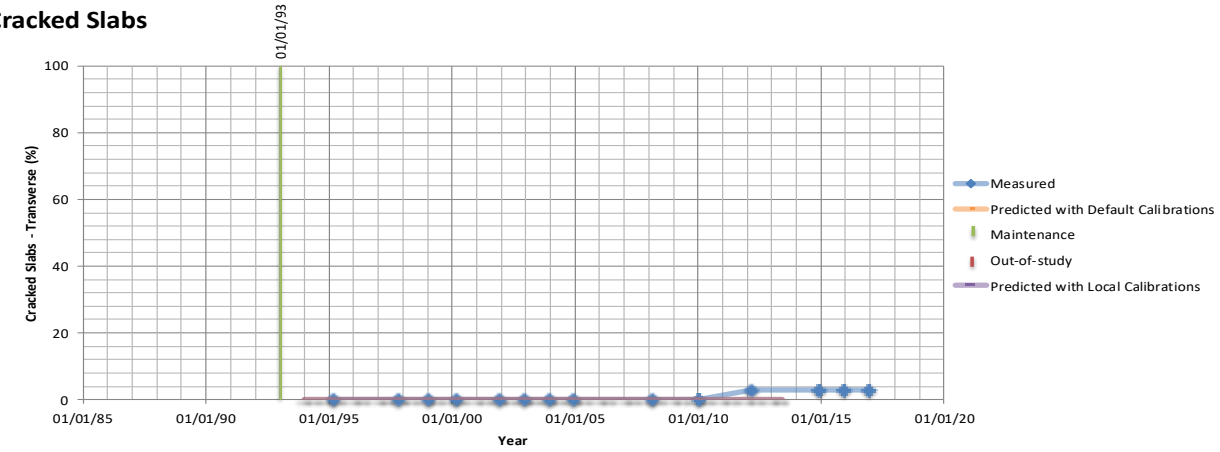


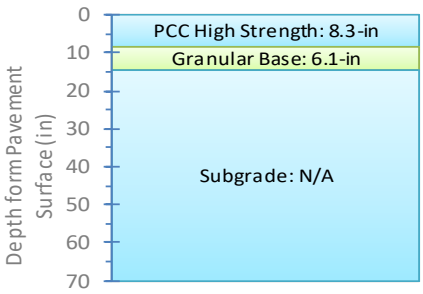
Average Faulting



Cracked Slabs



Date	Event
1-Jan-1993	In-study



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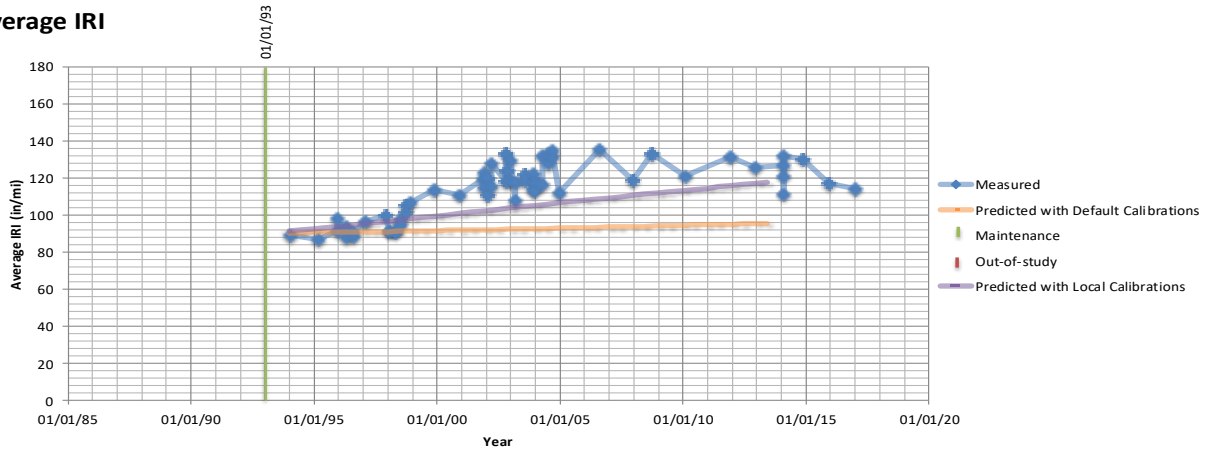

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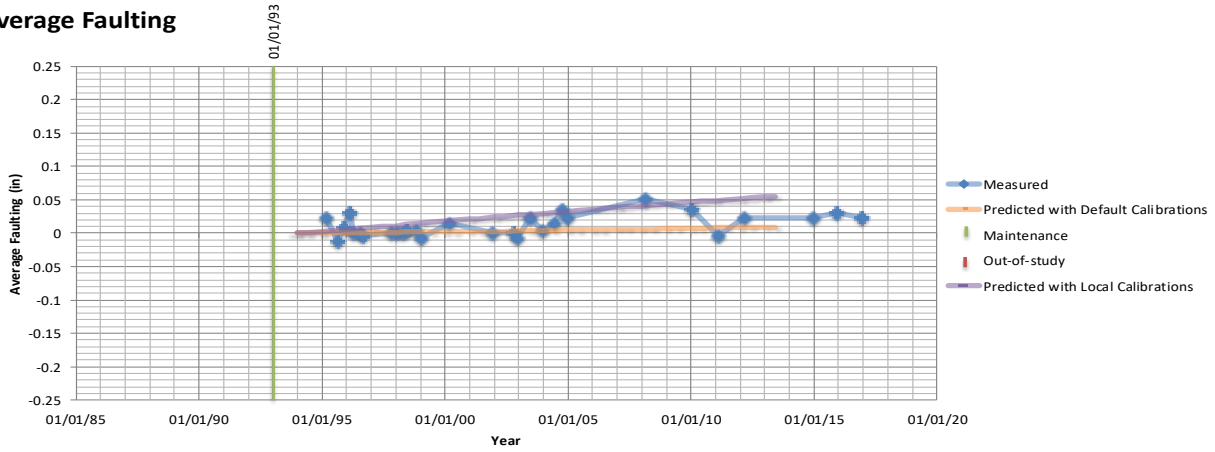

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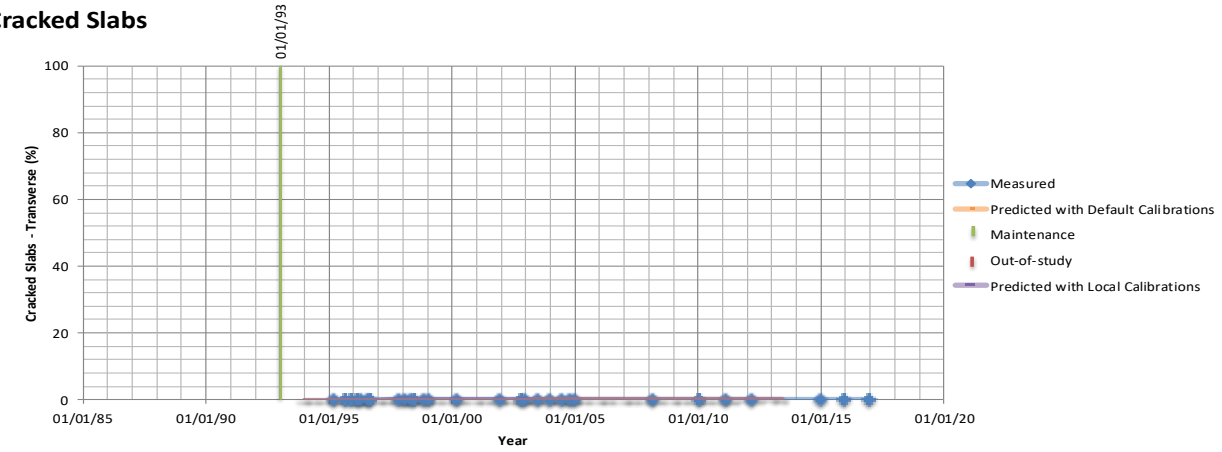
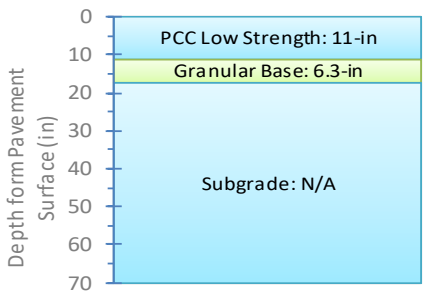


Date	Event
1-Jan-1993	In-study



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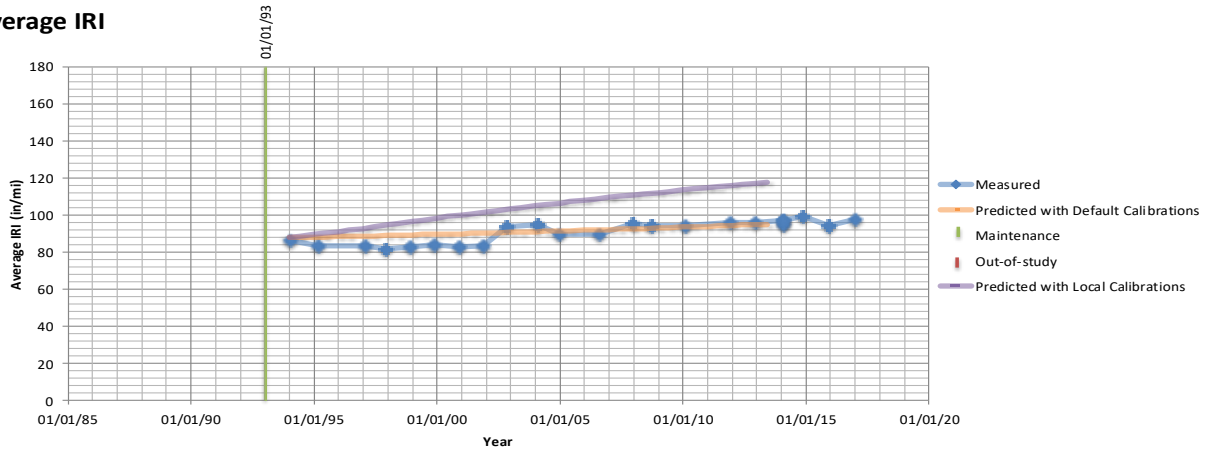

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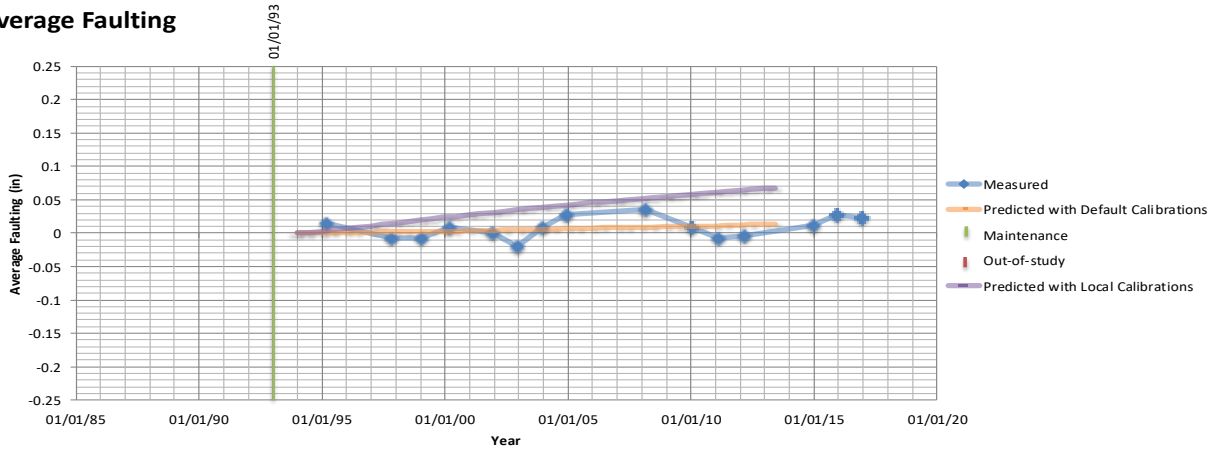
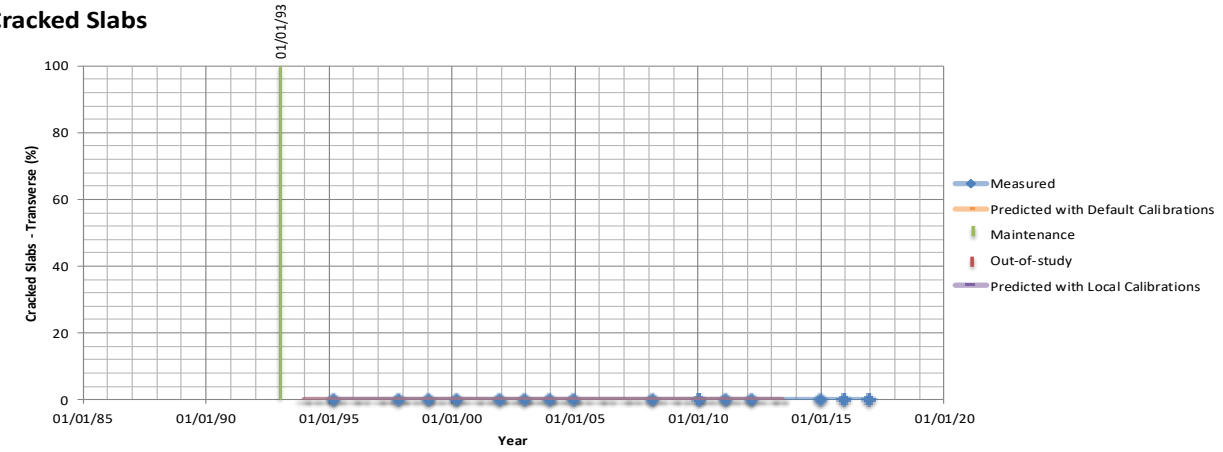
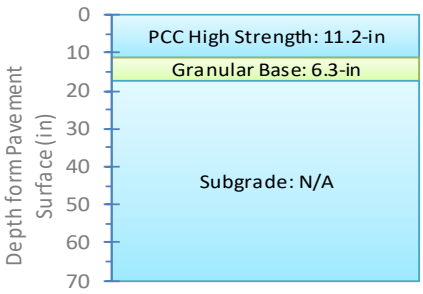
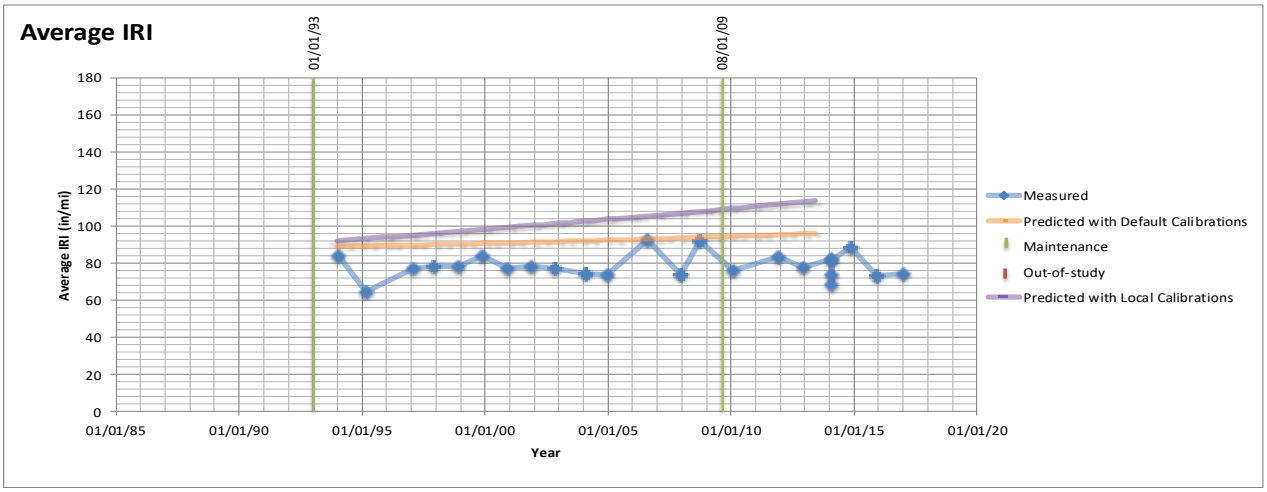


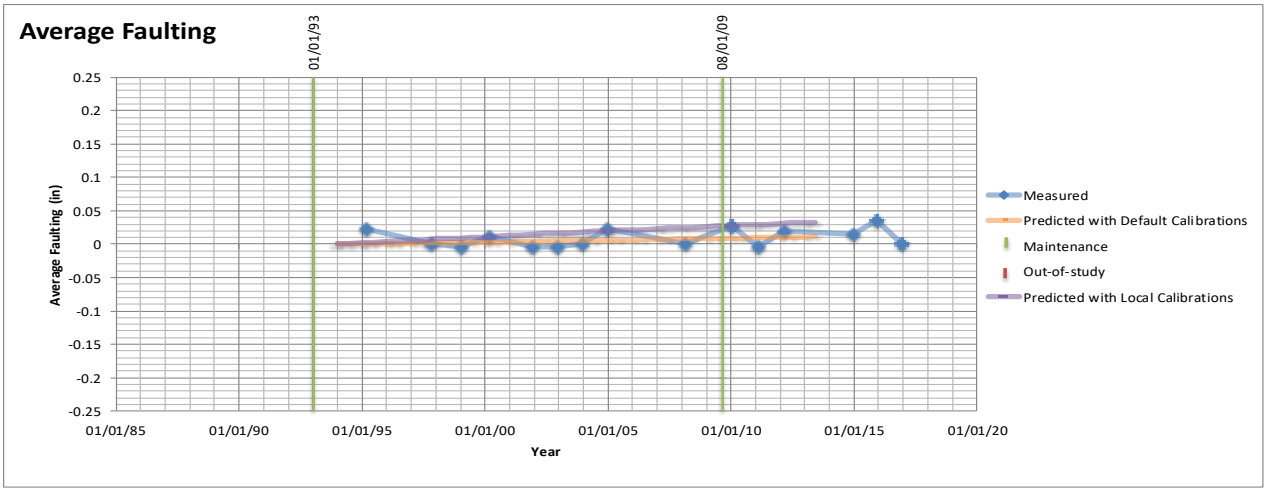
Cracked Slabs

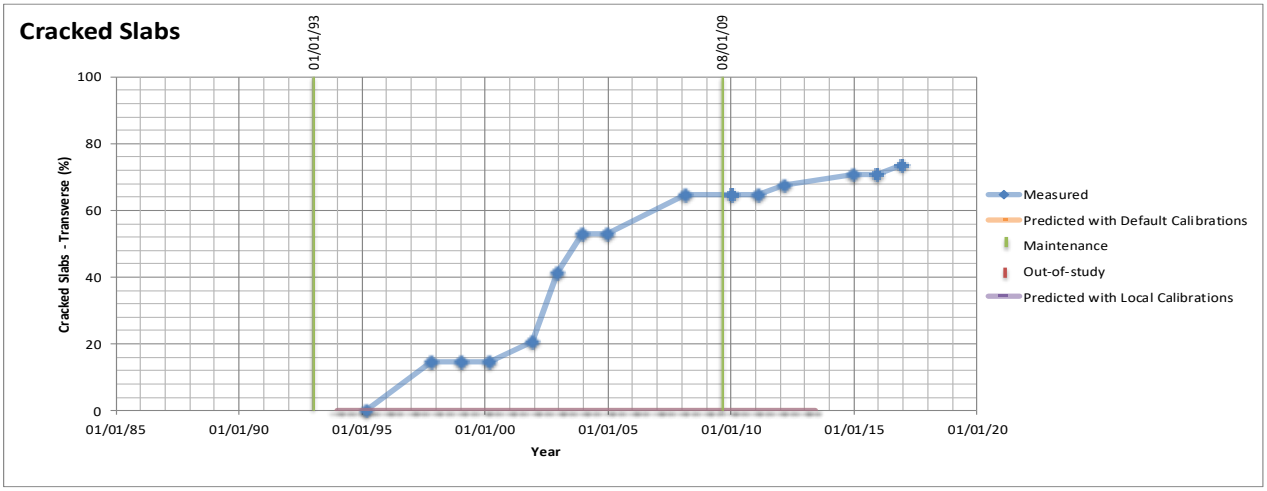


Date	Event
1-Jan-1993	In-study

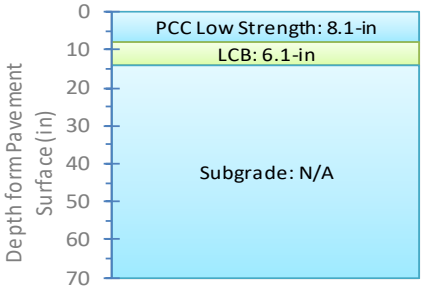


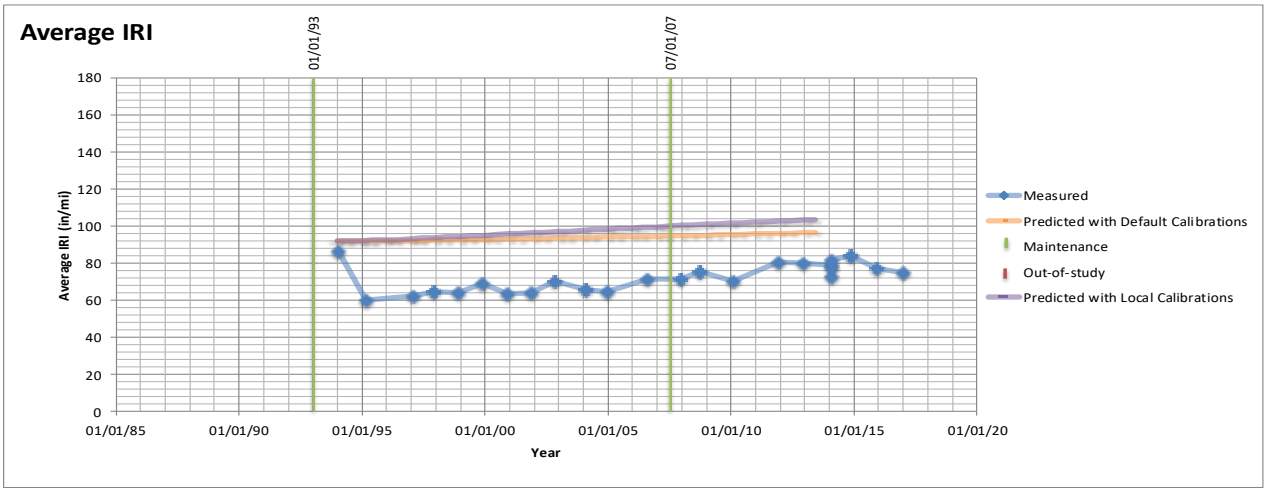


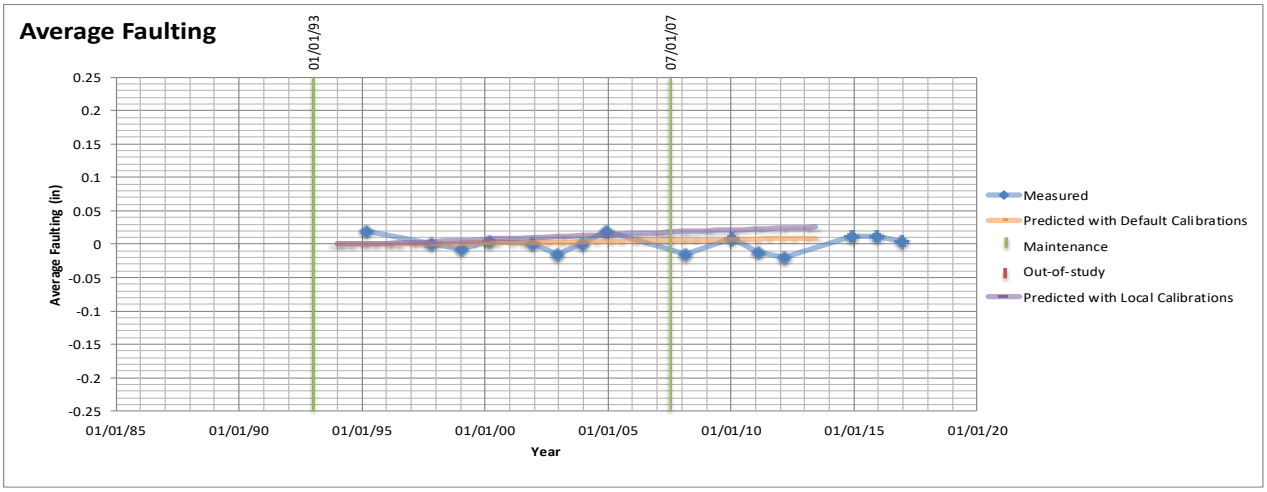


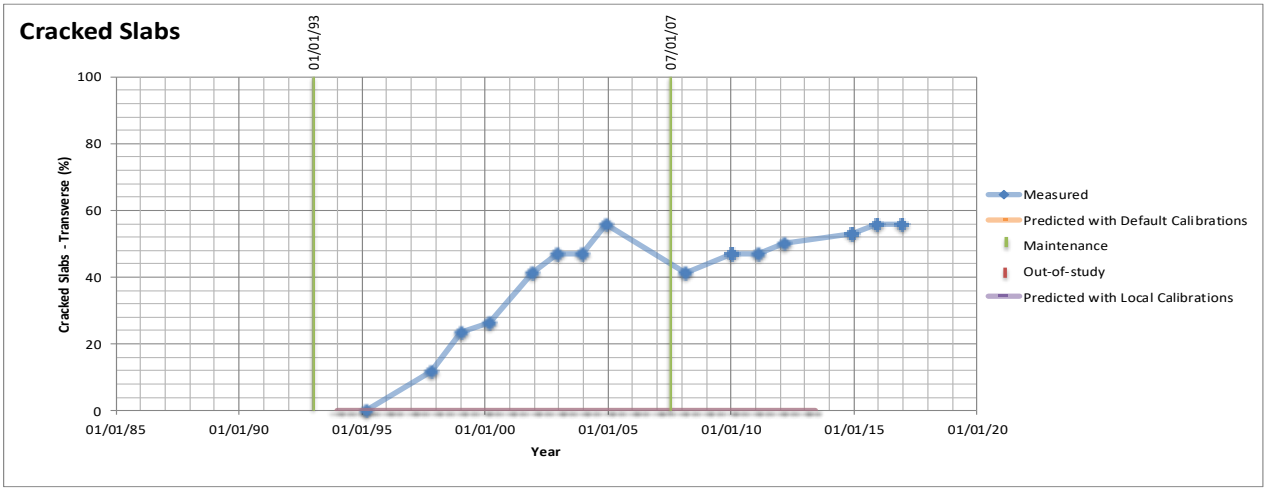


Date	Event
1-Jan-1993	In-study
1-Aug-2009	Partial Depth Patching of PCC Pavement Other Than at Joint; Partial depth patching

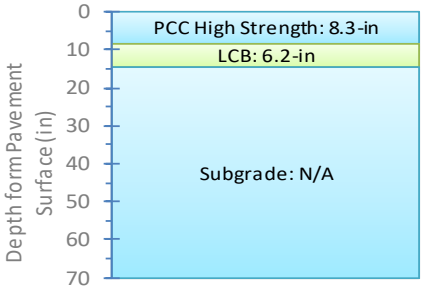




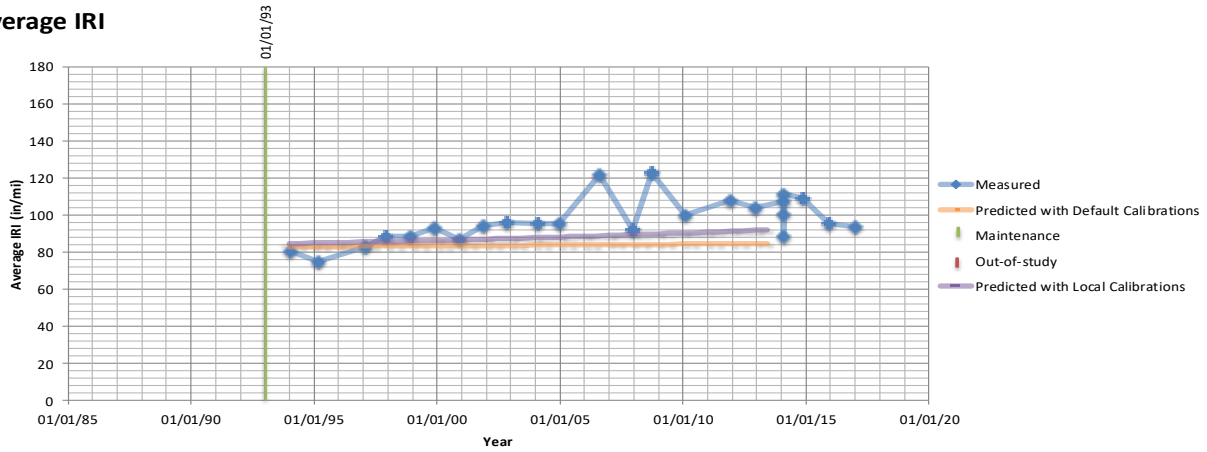




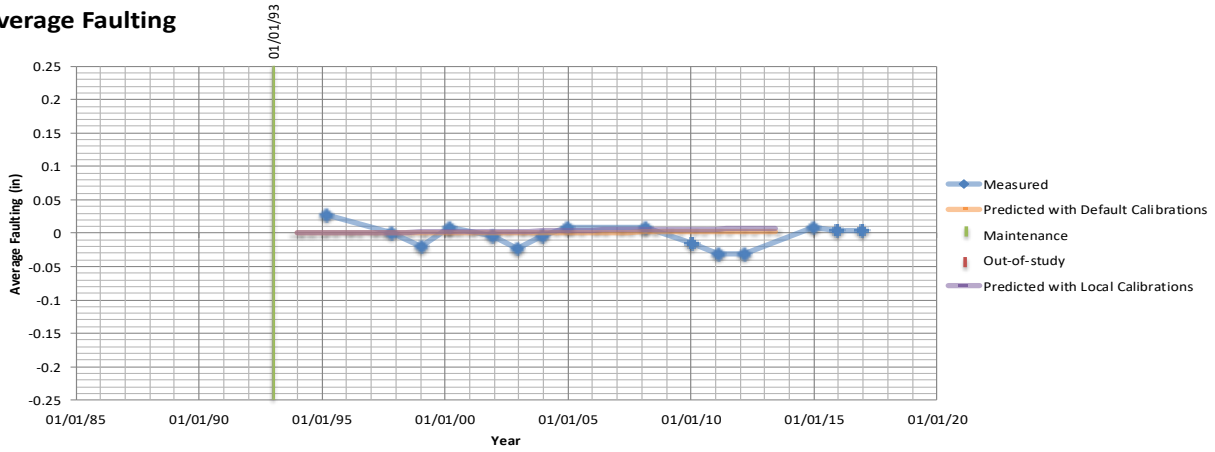
Date	Event
1-Jan-1993	In-study
1-Jul-2007	Partial depth patching of PCC pavements at joints



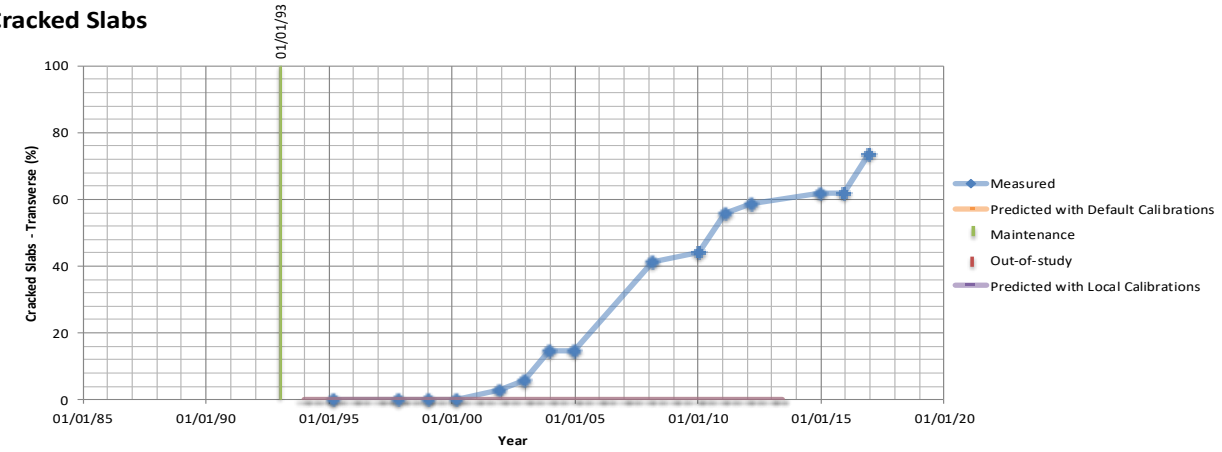
Average IRI



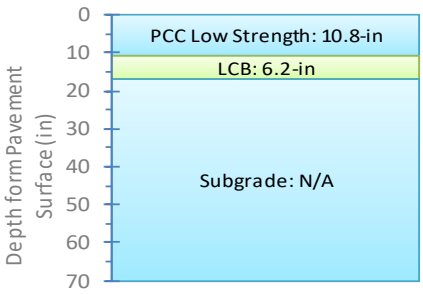
Average Faulting



Cracked Slabs



Date	Event
1-Jan-1993	In-study



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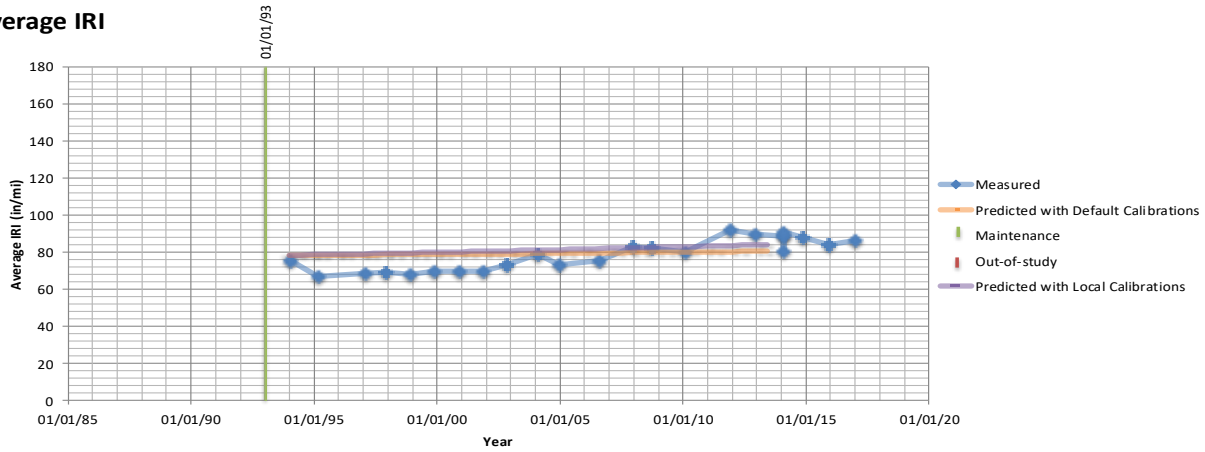

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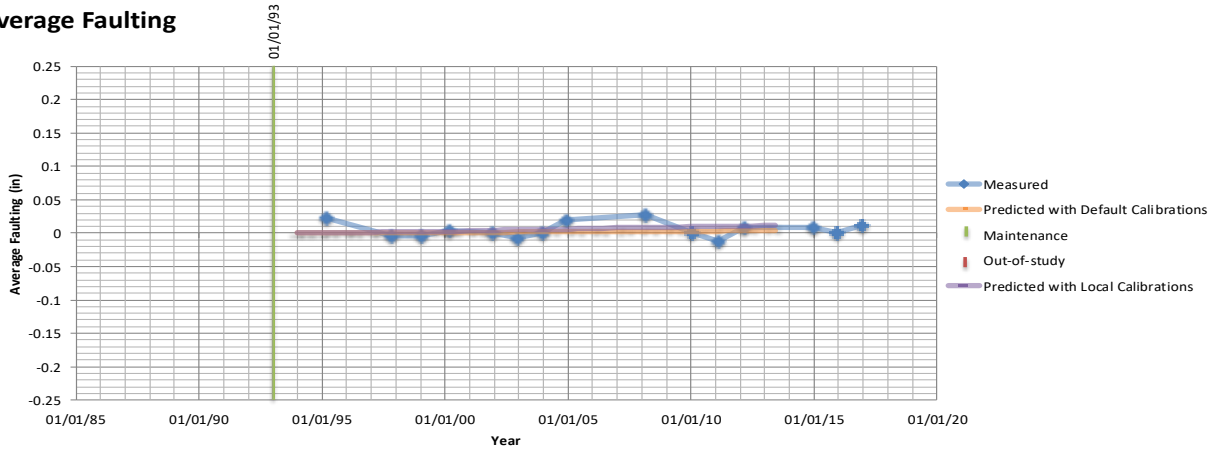
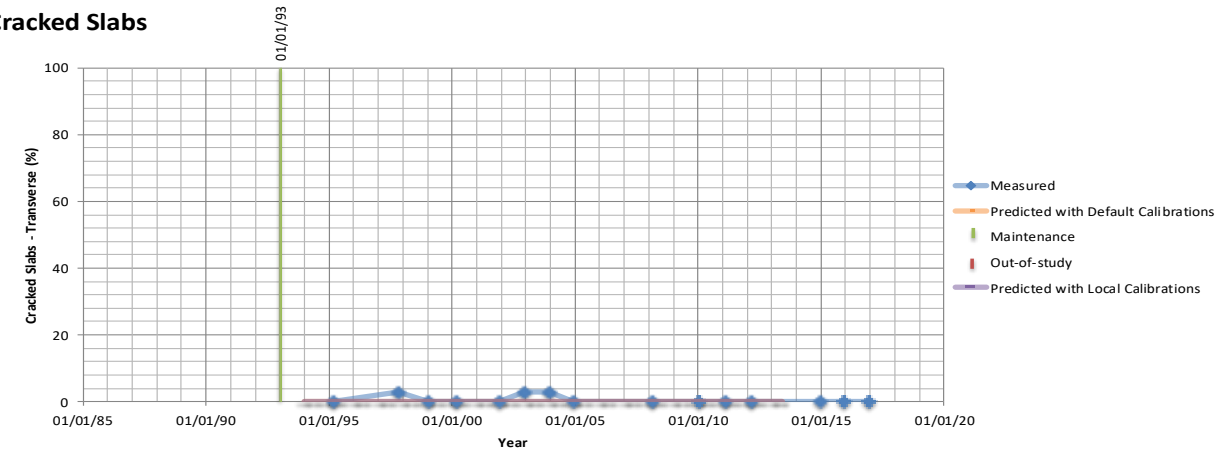
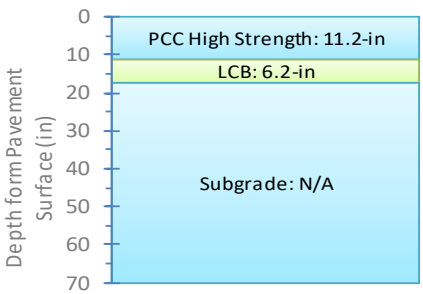
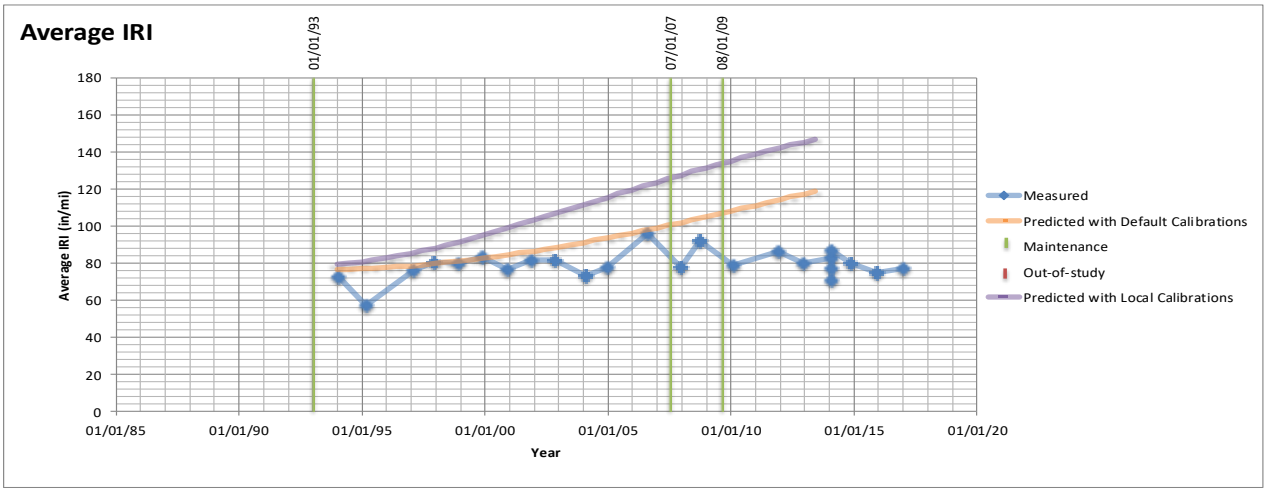


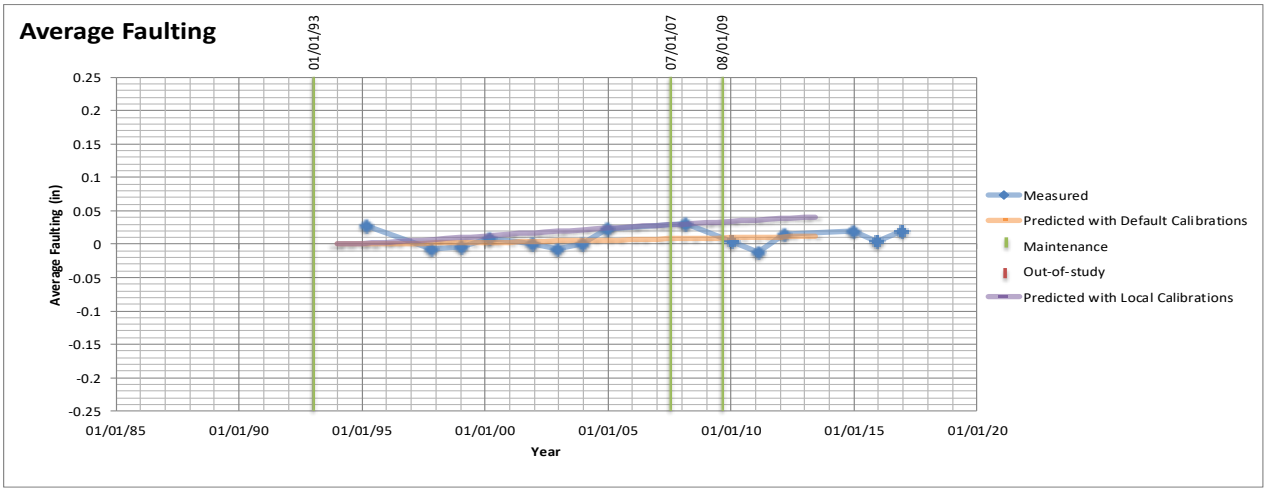
Cracked Slabs

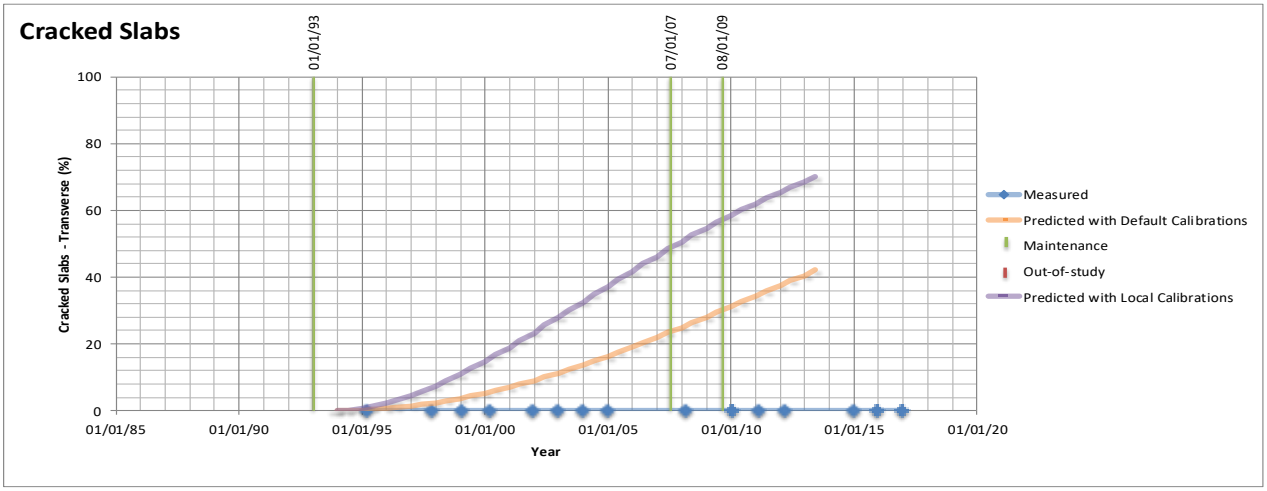


Date	Event
1-Jan-1993	In-study

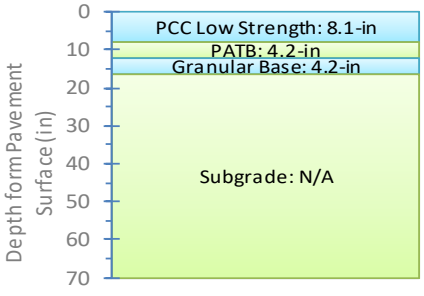




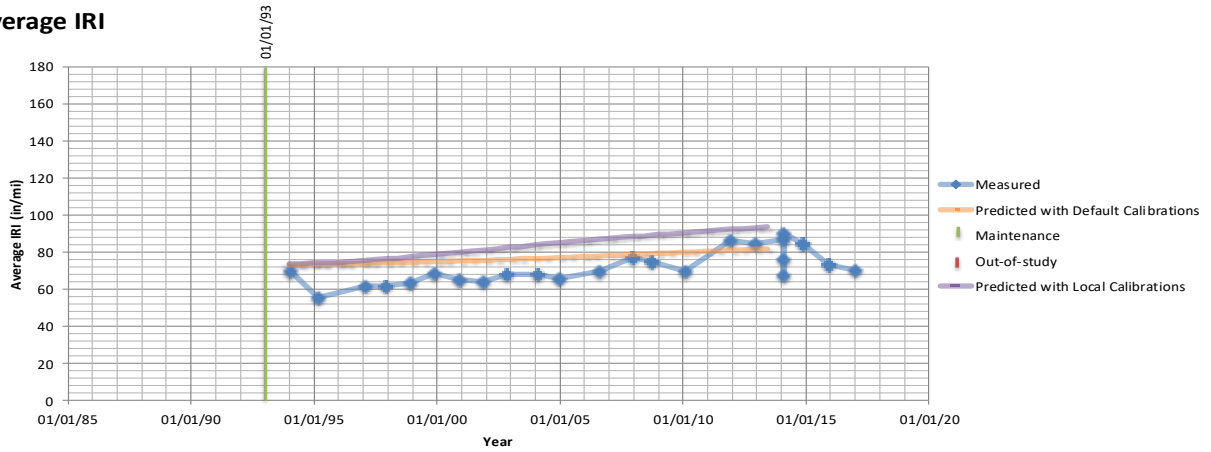




Date	Event
1-Jan-1993	In-study
1-Jul-2007	Partial depth patching of PCC pavements at joints
1-Aug-2009	Partial Depth Patching of PCC Pavement Other Than at Joint; Partial depth patching



Average IRI



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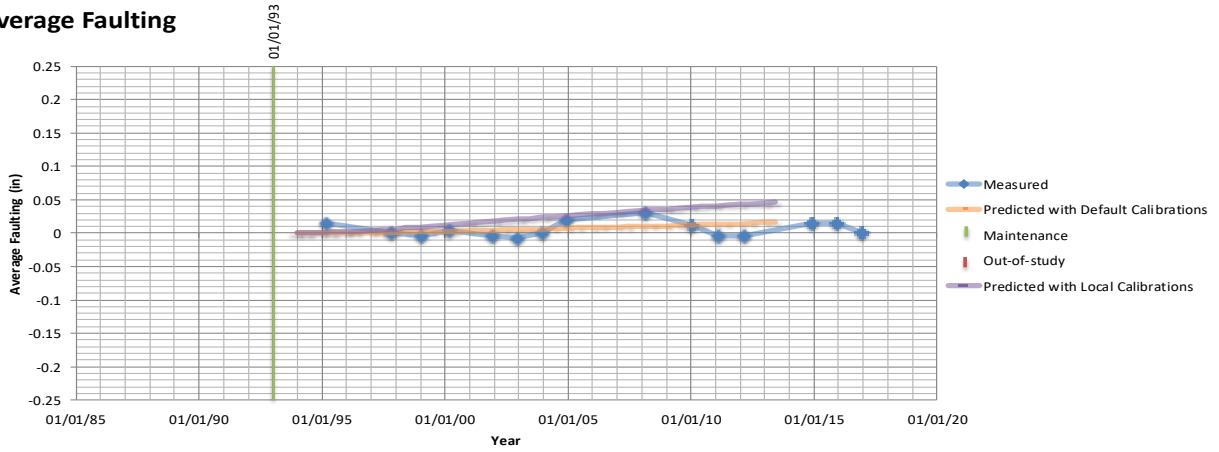
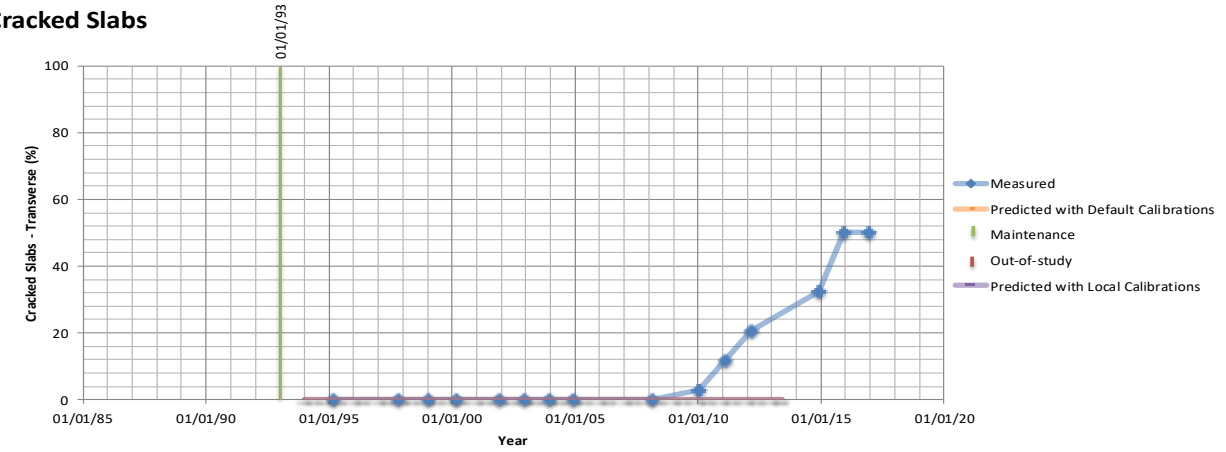
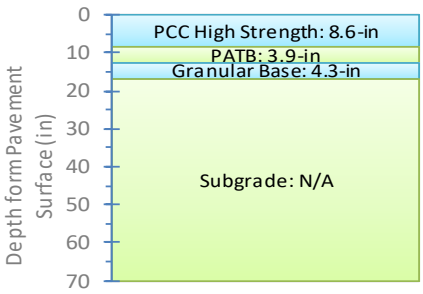
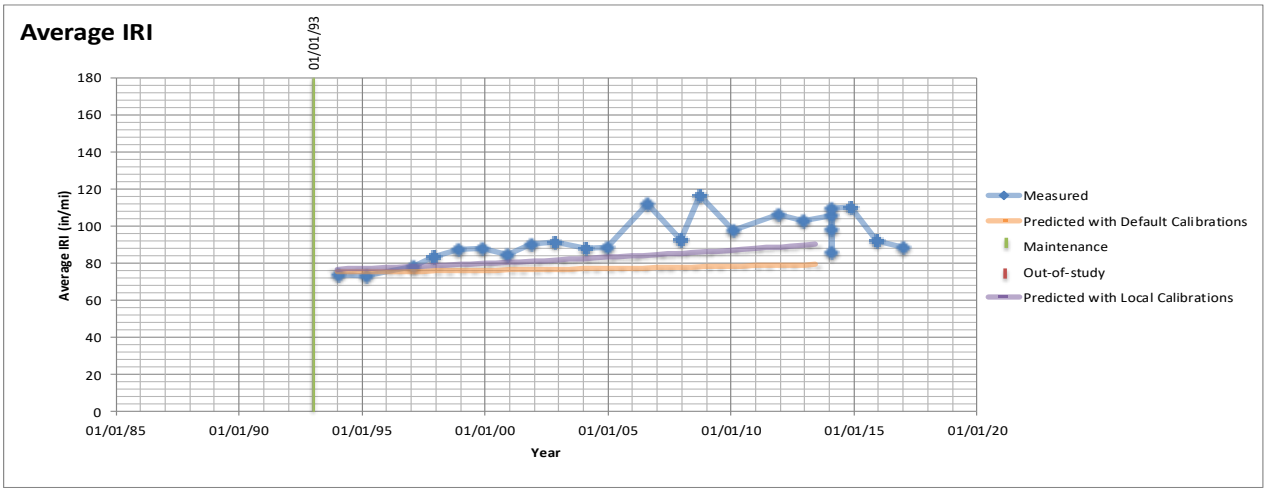


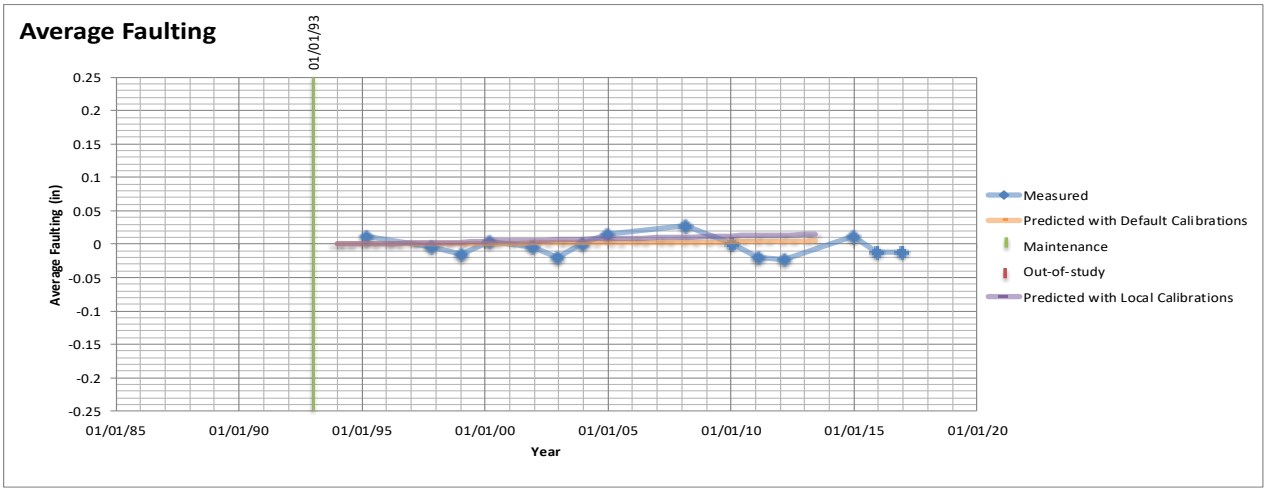
Cracked Slabs

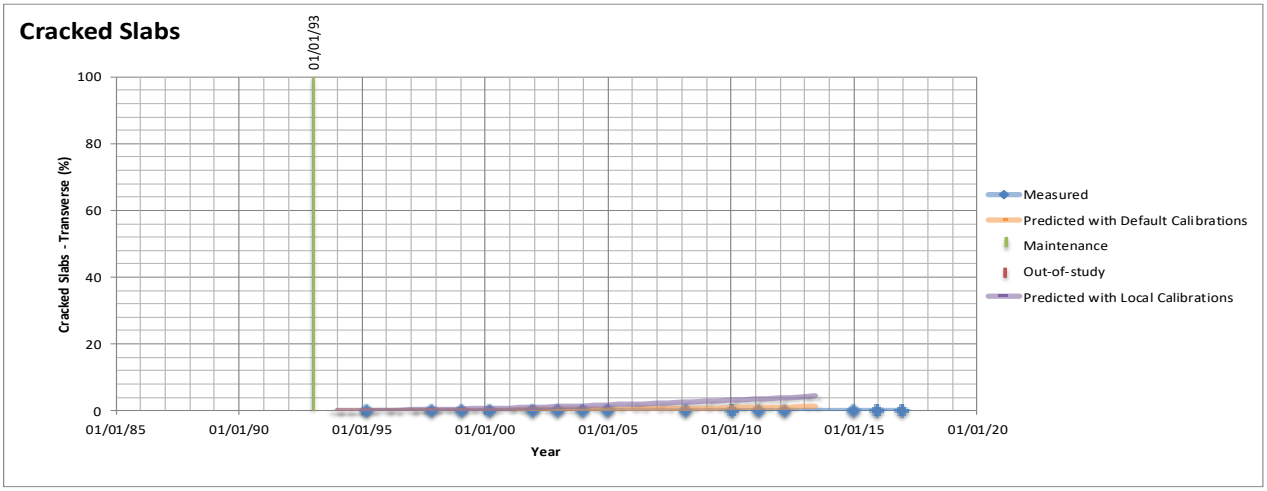


Date	Event
1-Jan-1993	In-study

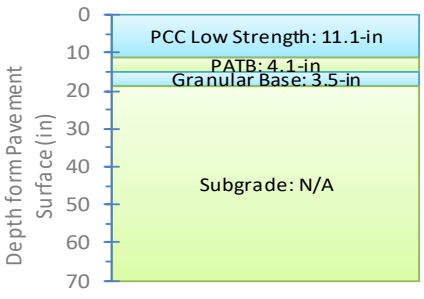




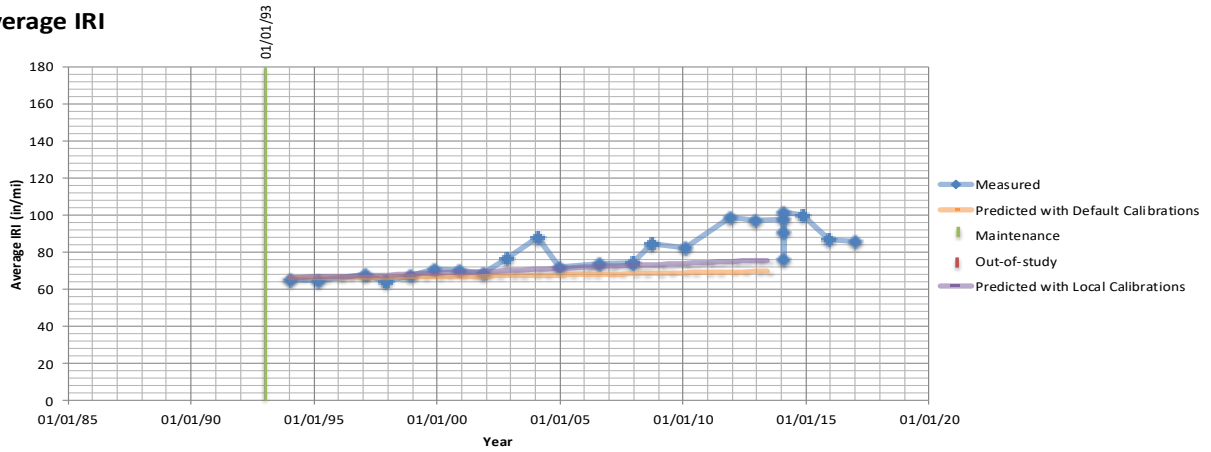




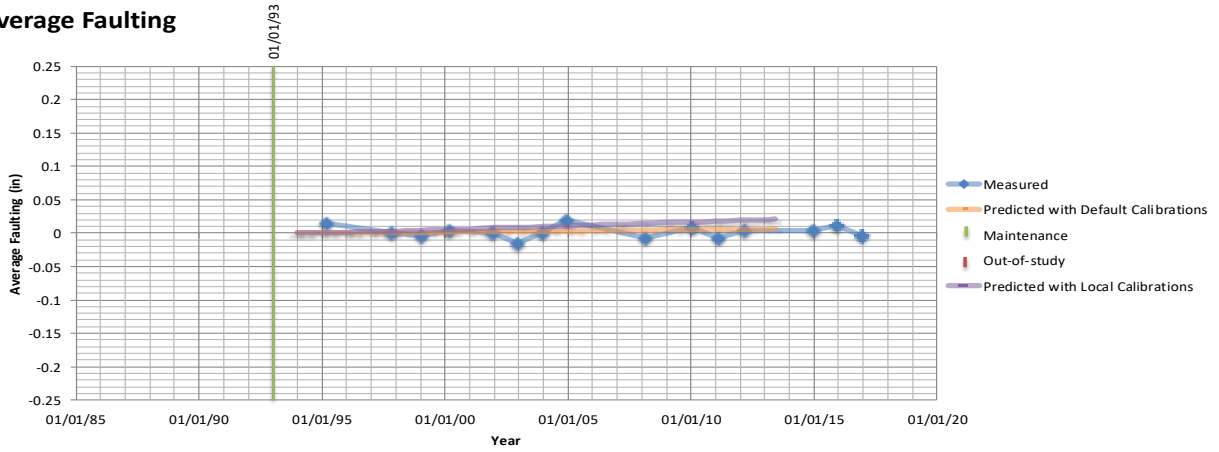
Date	Event
1-Jan-1993	In-study



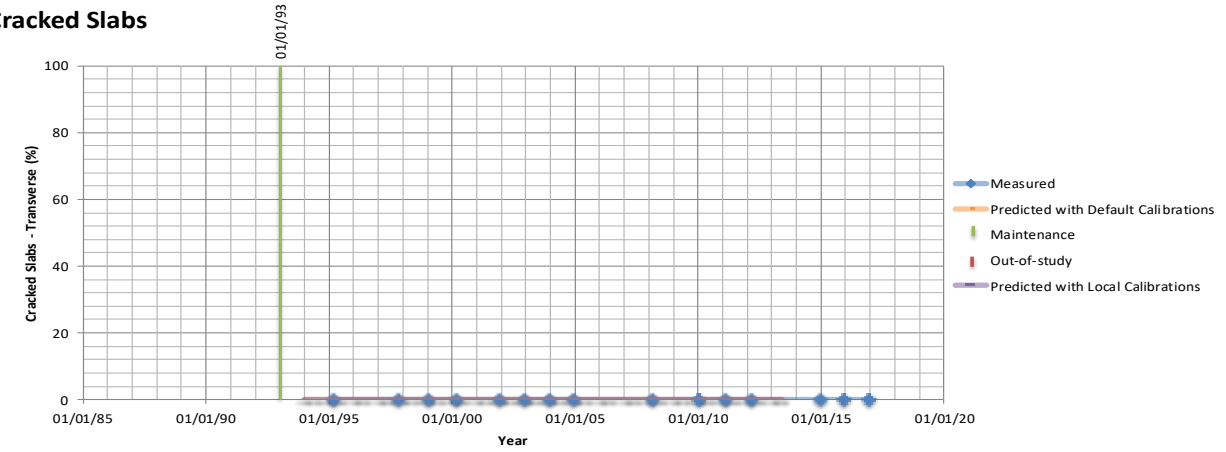
Average IRI



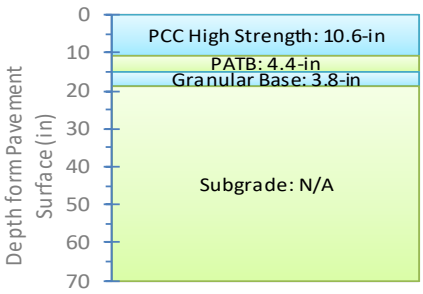
Average Faulting

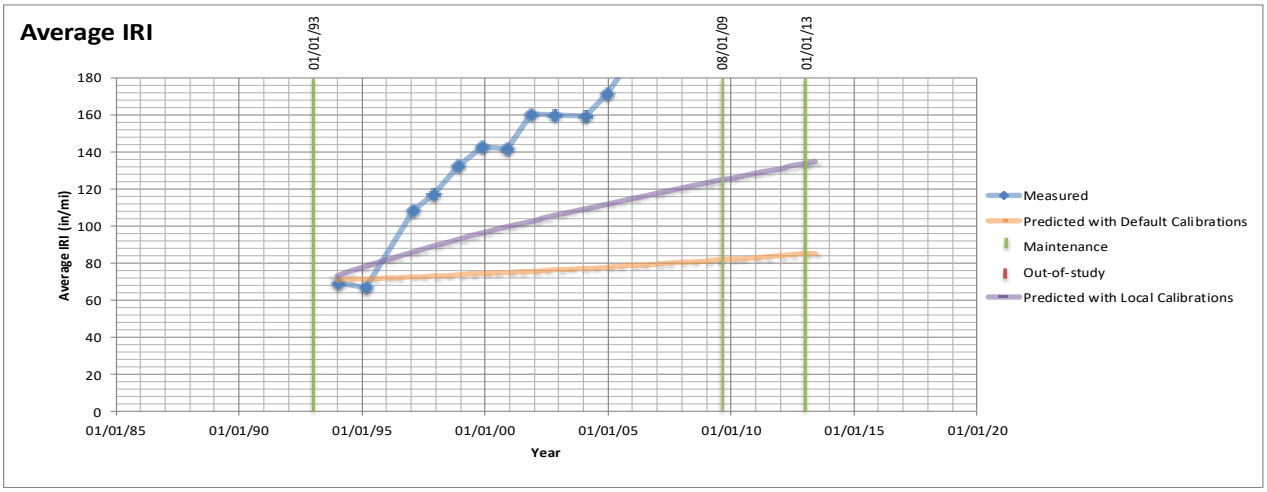


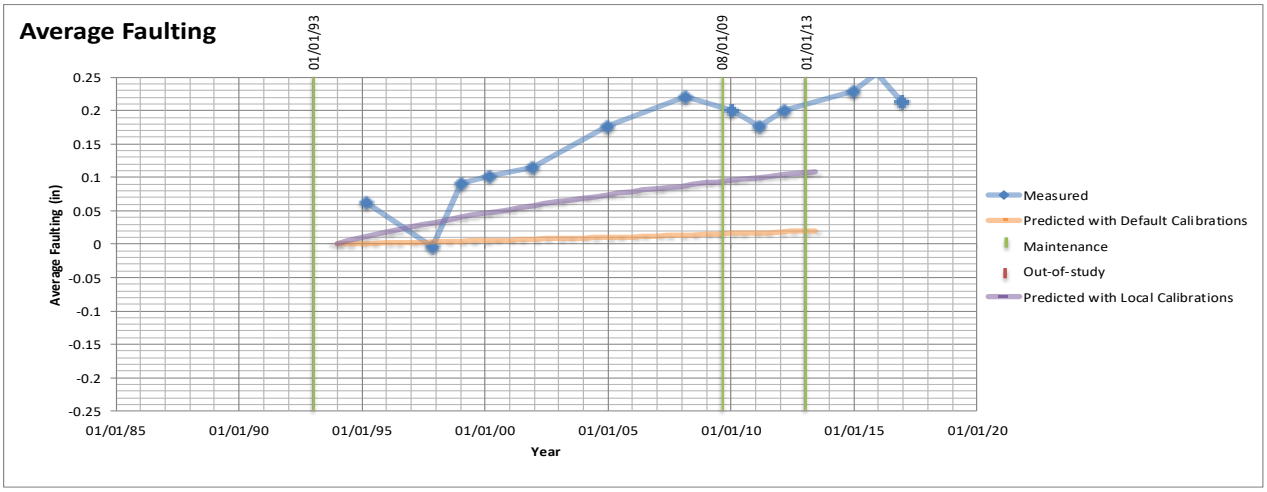
Cracked Slabs

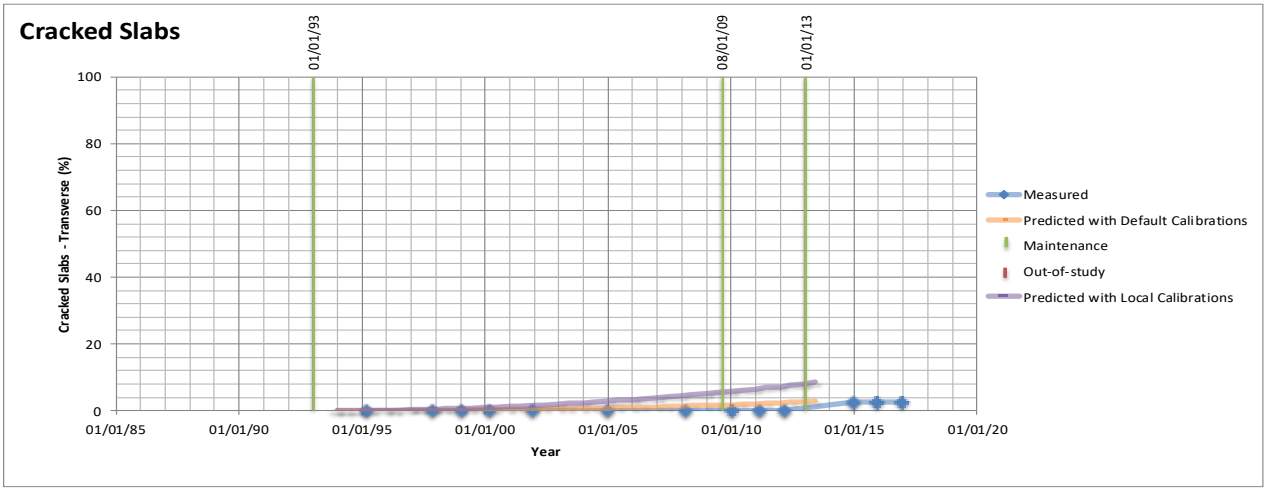


Date	Event
1-Jan-1993	In-study

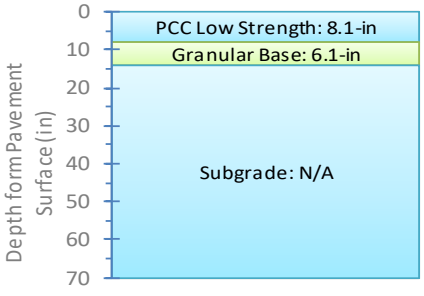


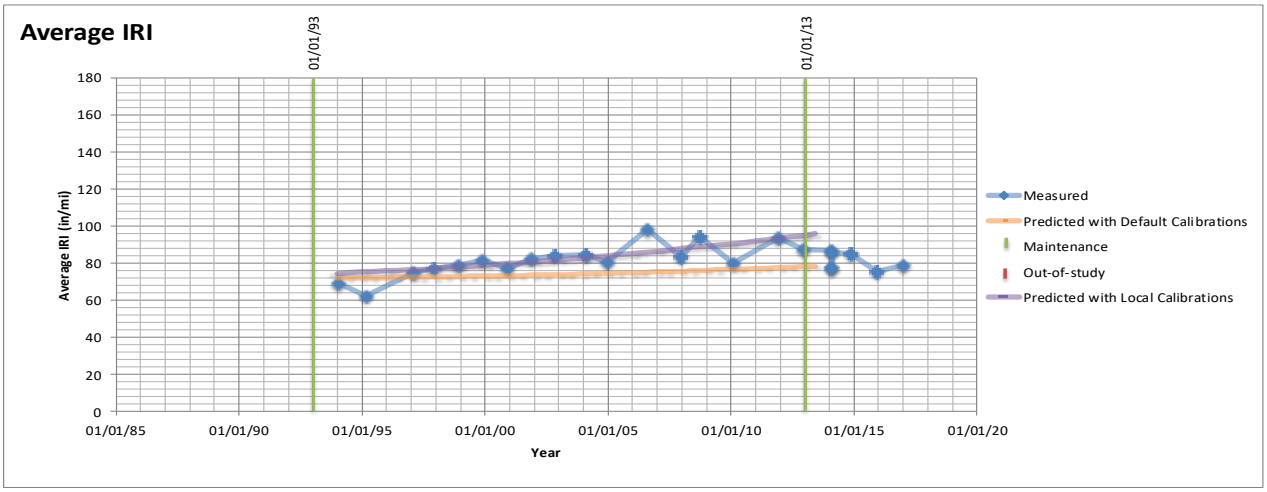


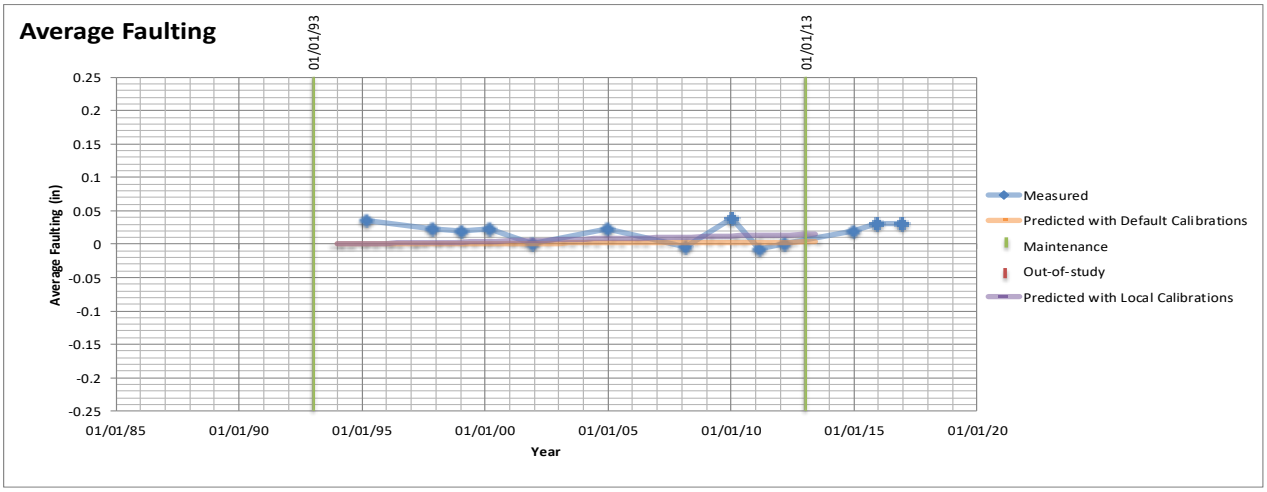


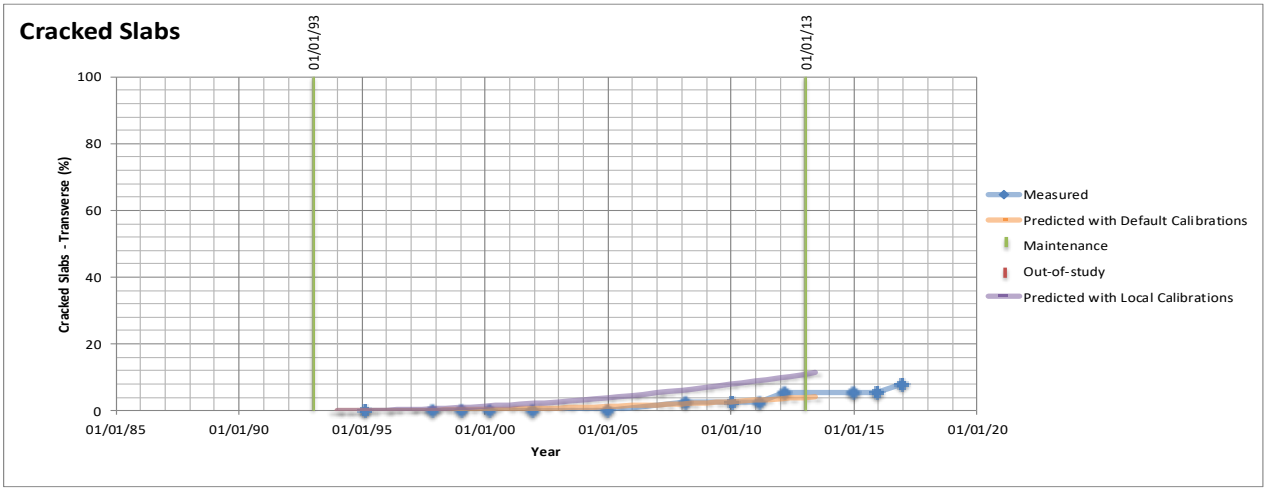


Date	Event
1-Jan-1993	In-study
1-Aug-2009	Partial Depth Patching of PCC Pavement Other Than at Joint
1-Jan-2013	Partial depth patching of PCC pavements at joints

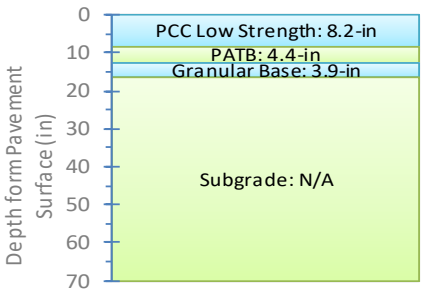


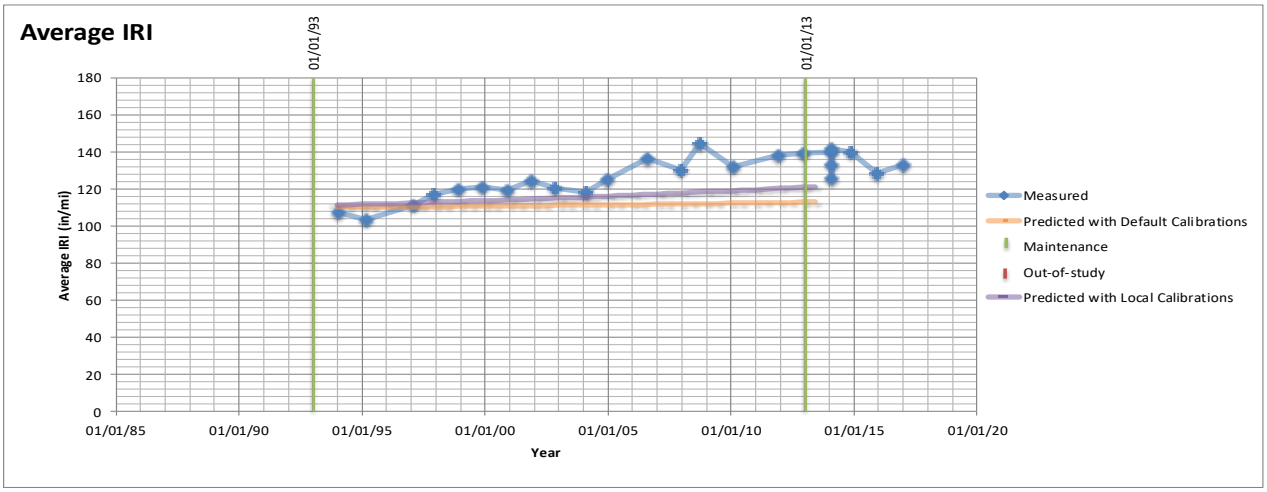


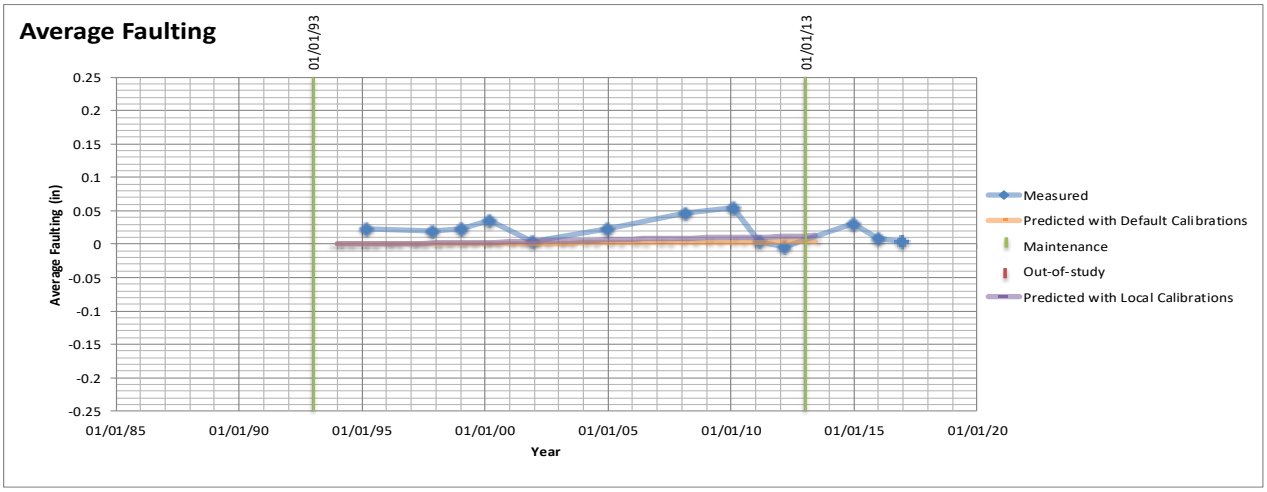


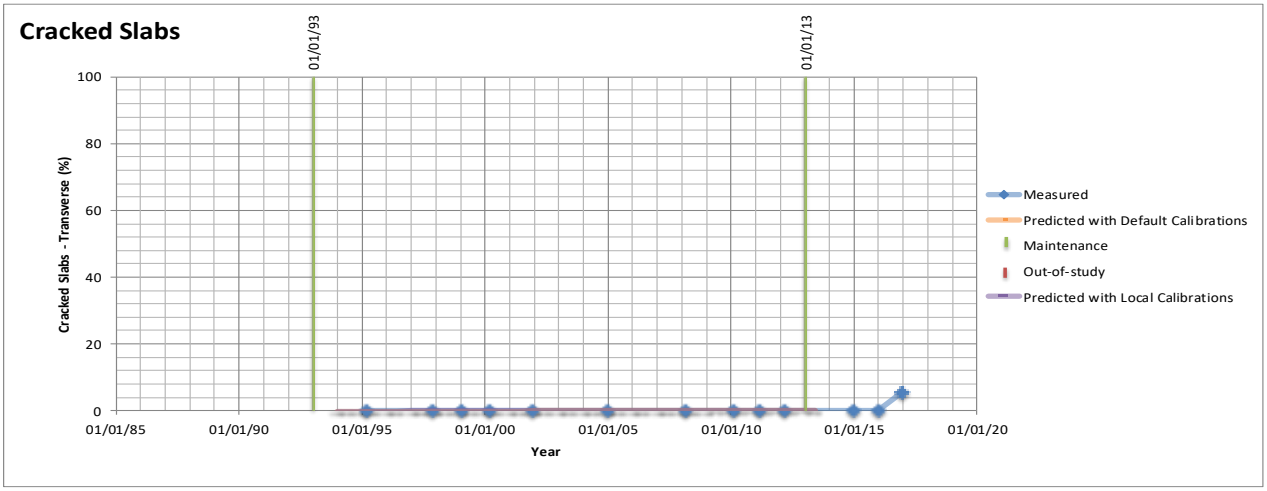


Date	Event
1-Jan-1993	In-study
1-Jan-2013	Partial depth patching of PCC pavements at joints

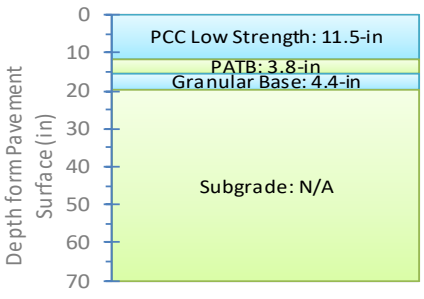




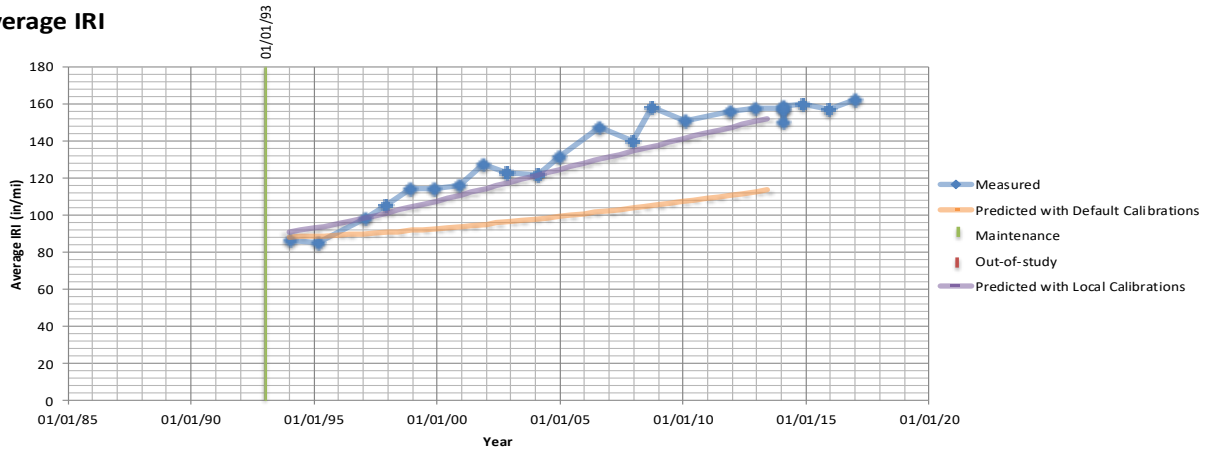




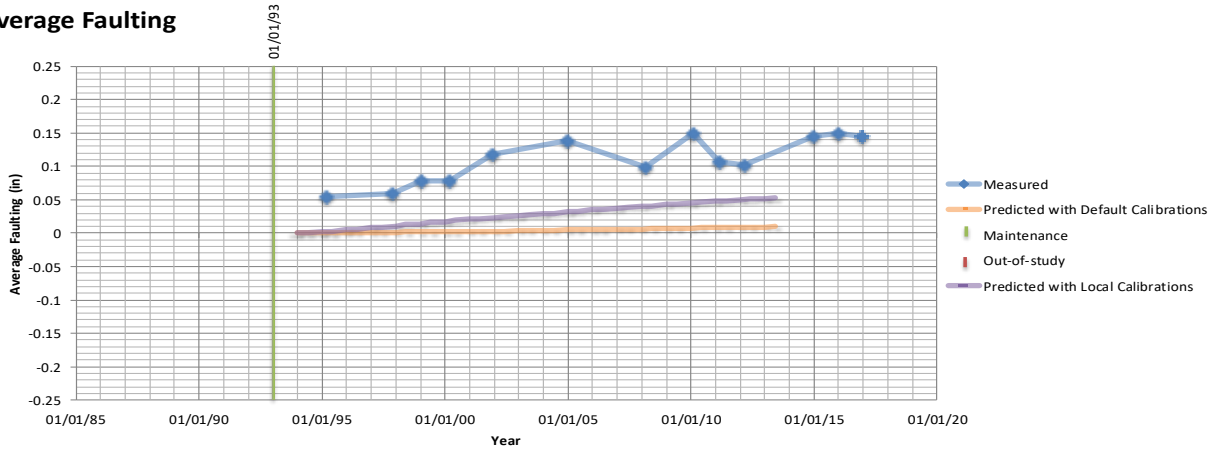
Date	Event
1-Jan-1993	In-study
1-Jan-2013	Partial depth patching of PCC pavements at joints



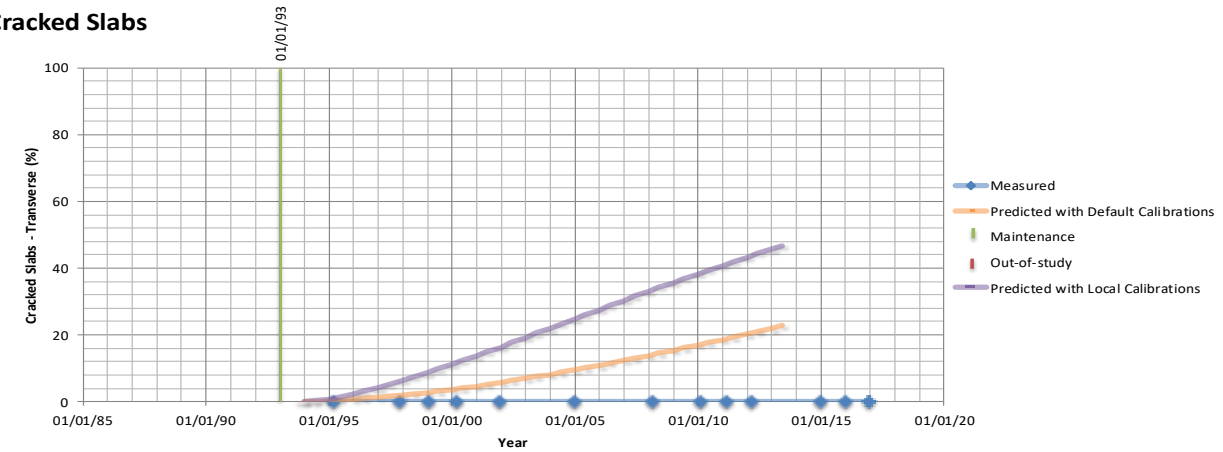
Average IRI



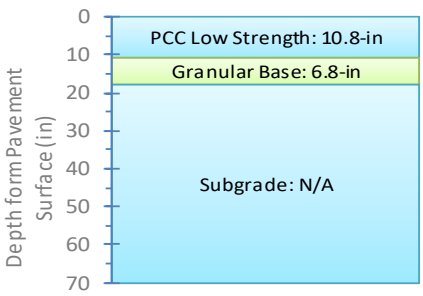
Average Faulting



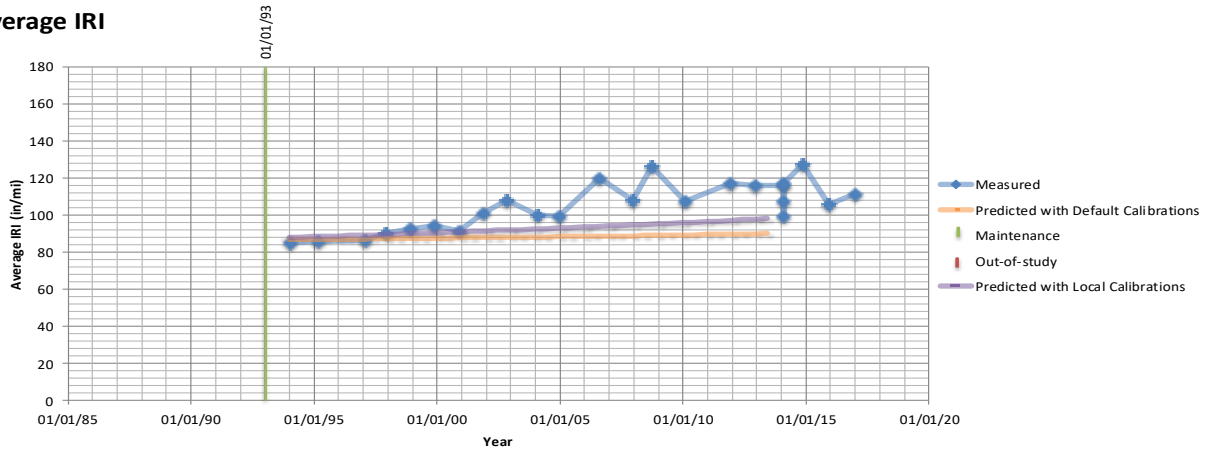
Cracked Slabs



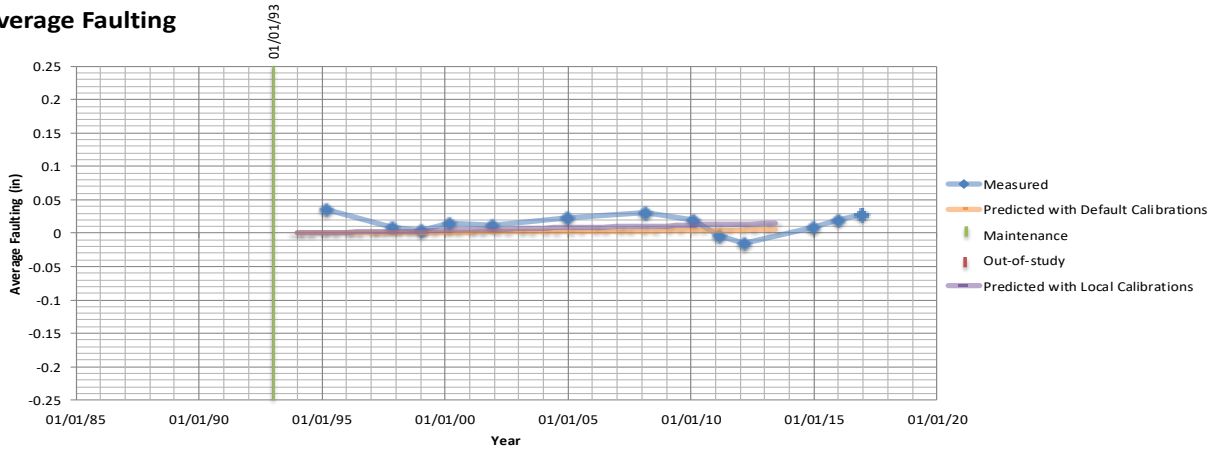
Date	Event
1-Jan-1993	In-study



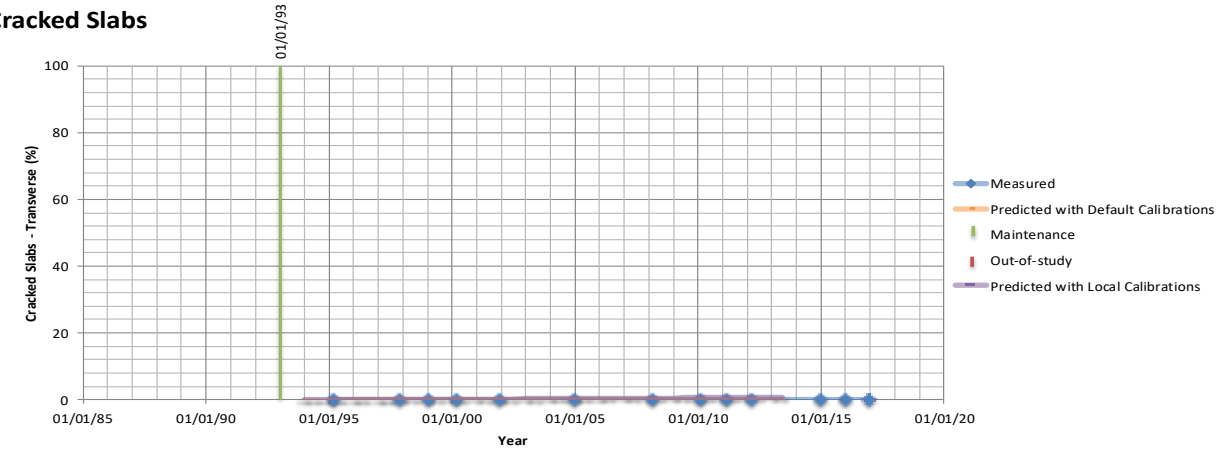
Average IRI



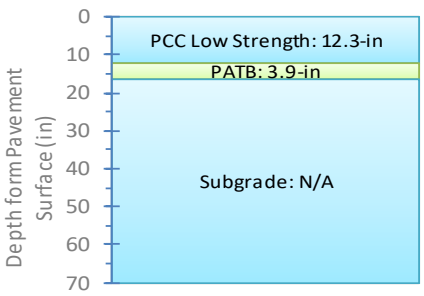
Average Faulting

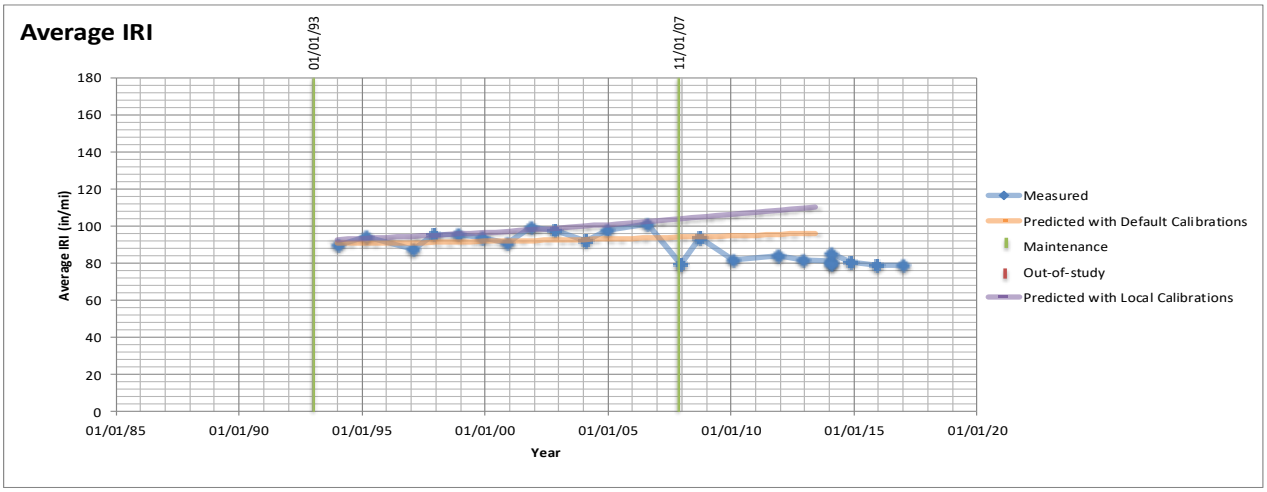


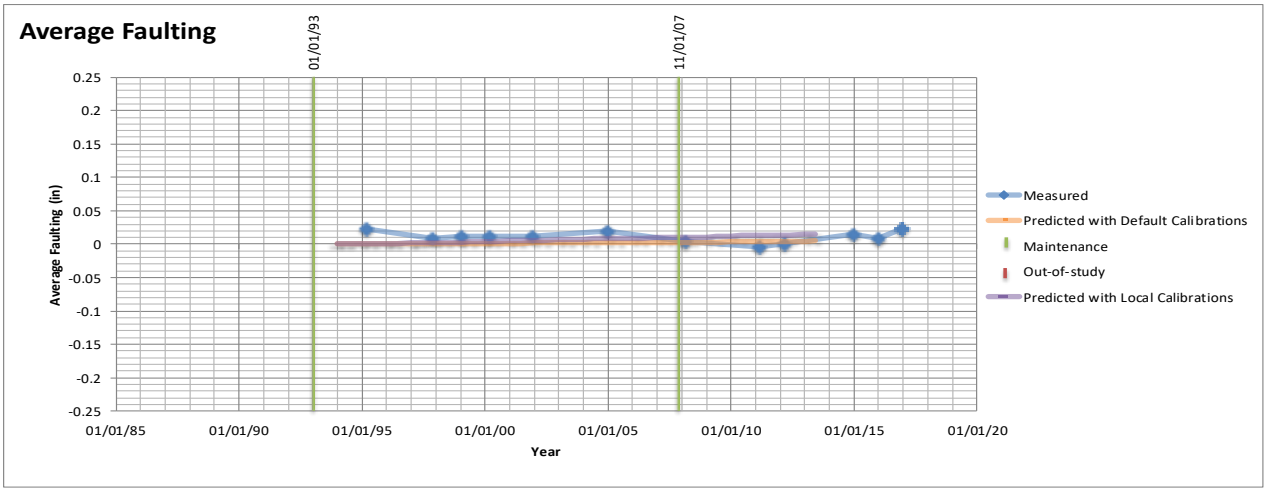
Cracked Slabs

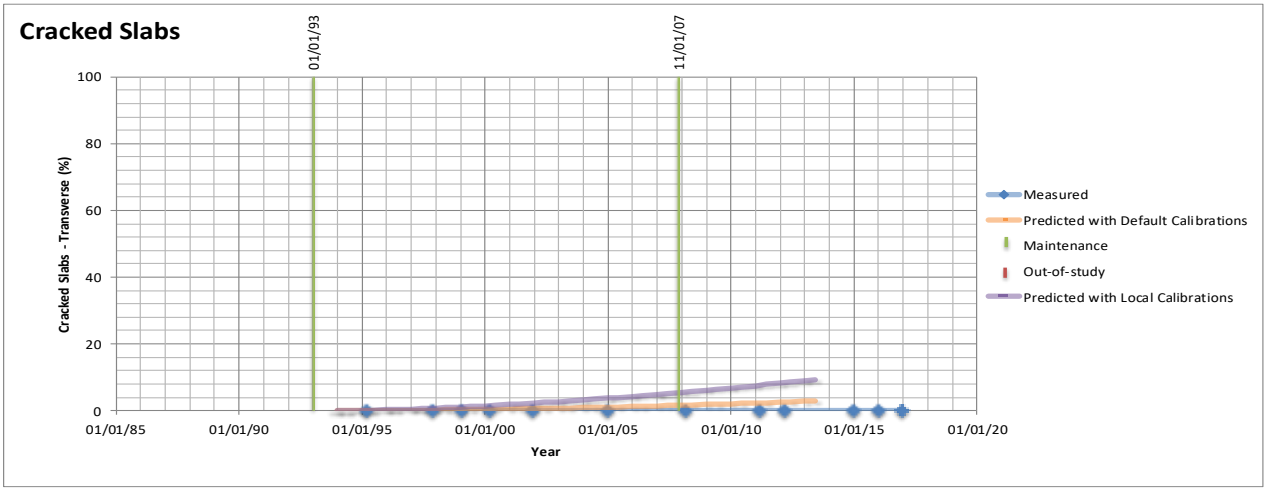


Date	Event
1-Jan-1993	In-study

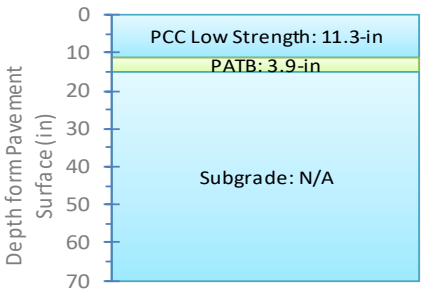




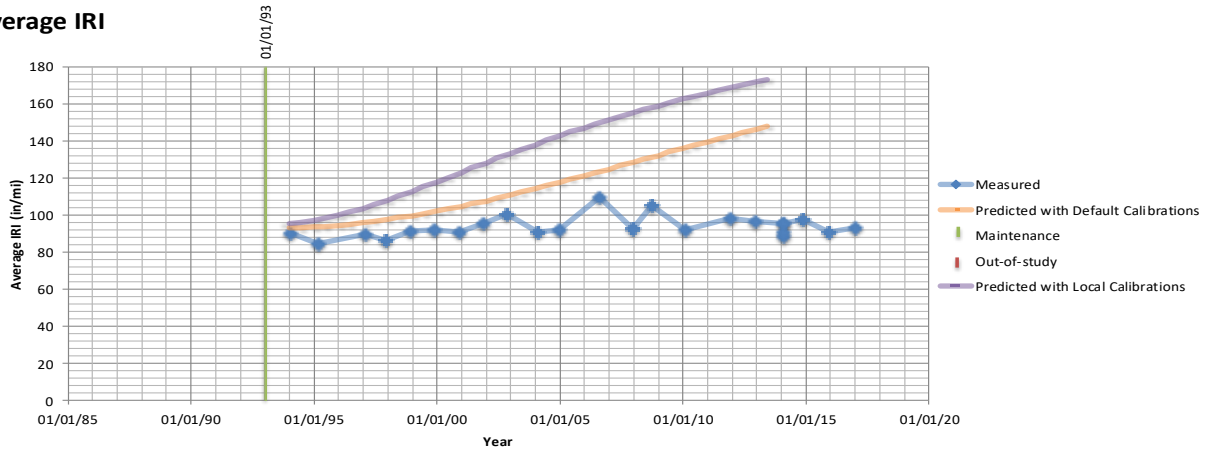




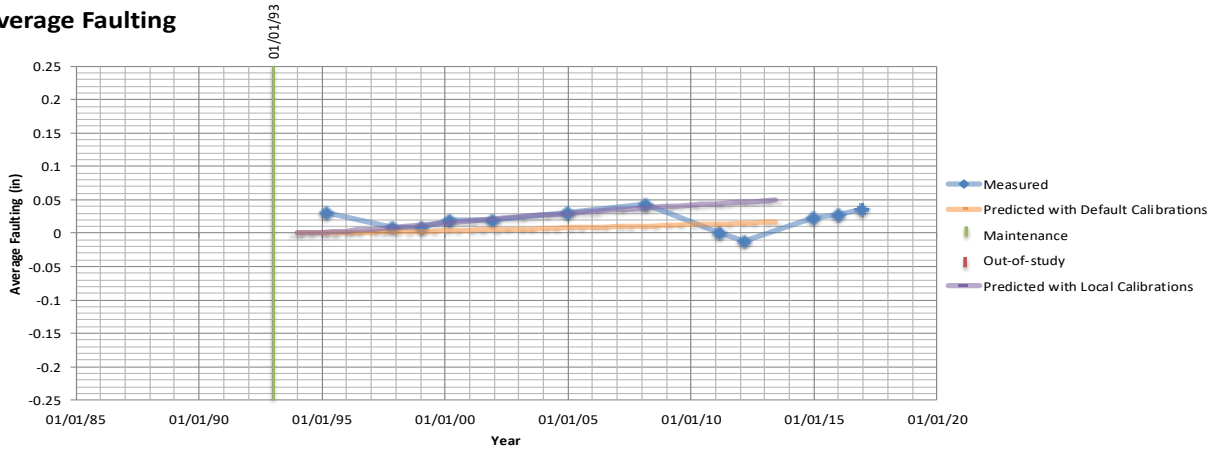
Date	Event
1-Jan-1993	In-study
1-Nov-2007	Grinding Surface



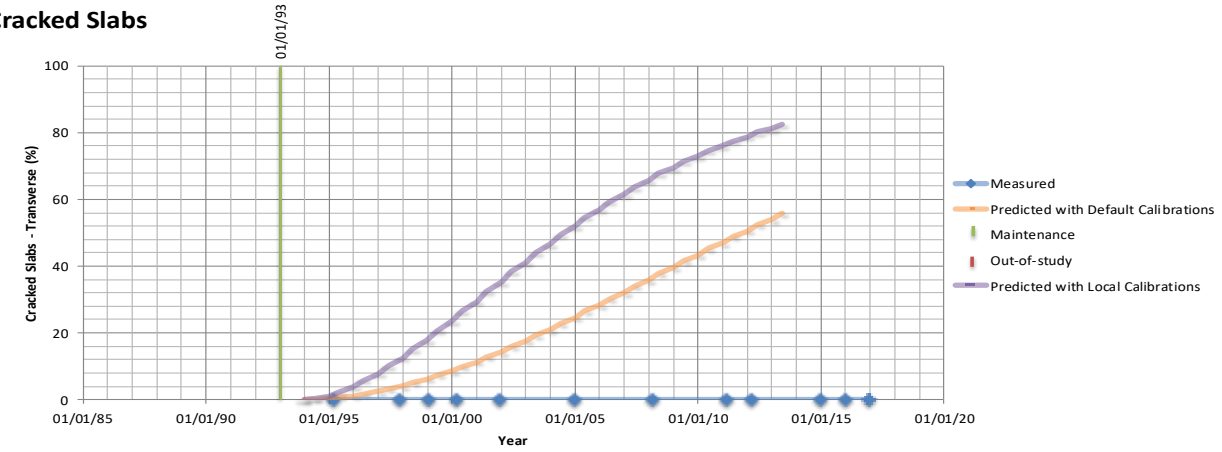
Average IRI



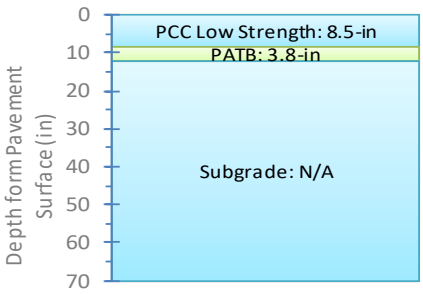
Average Faulting

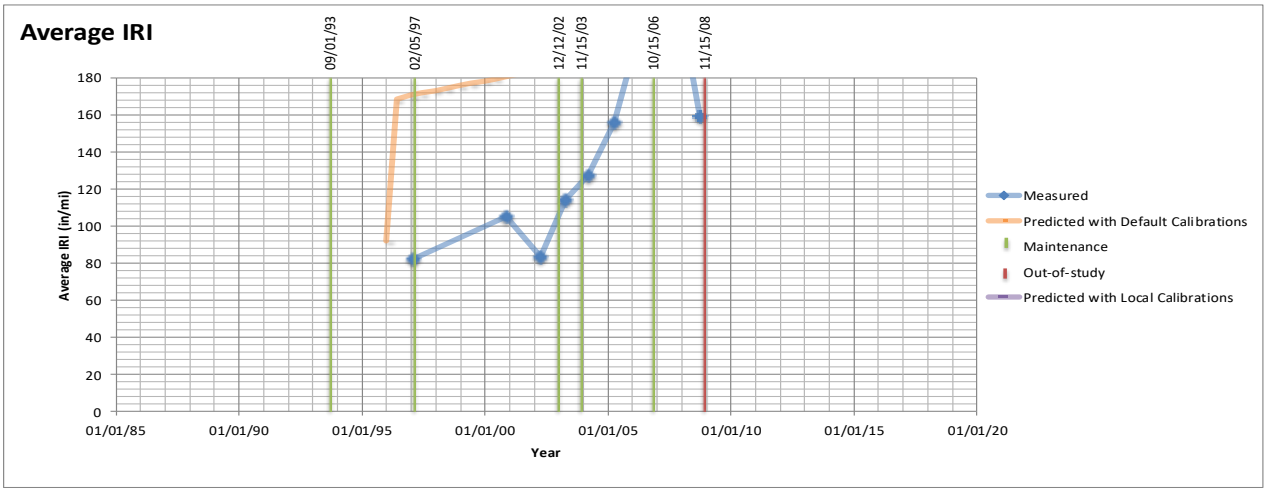


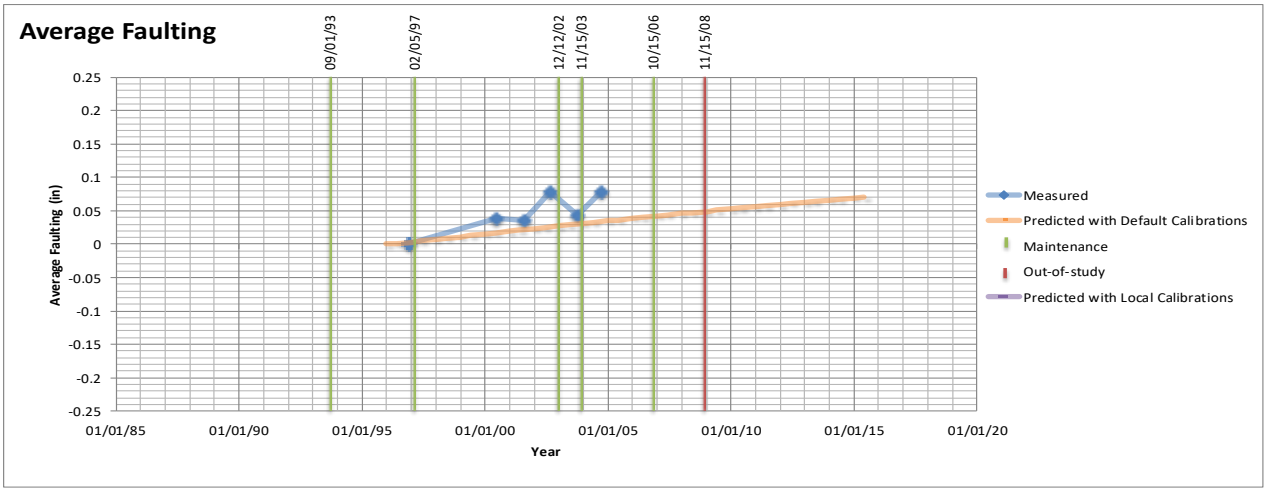
Cracked Slabs

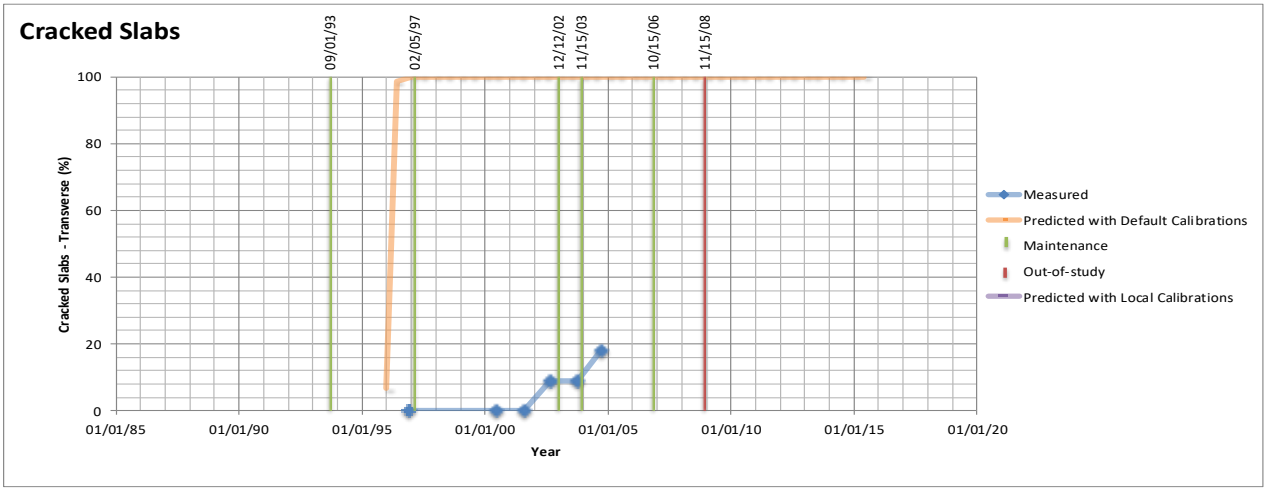


Date	Event
1-Jan-1993	In-study

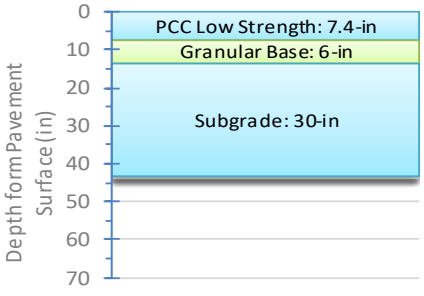


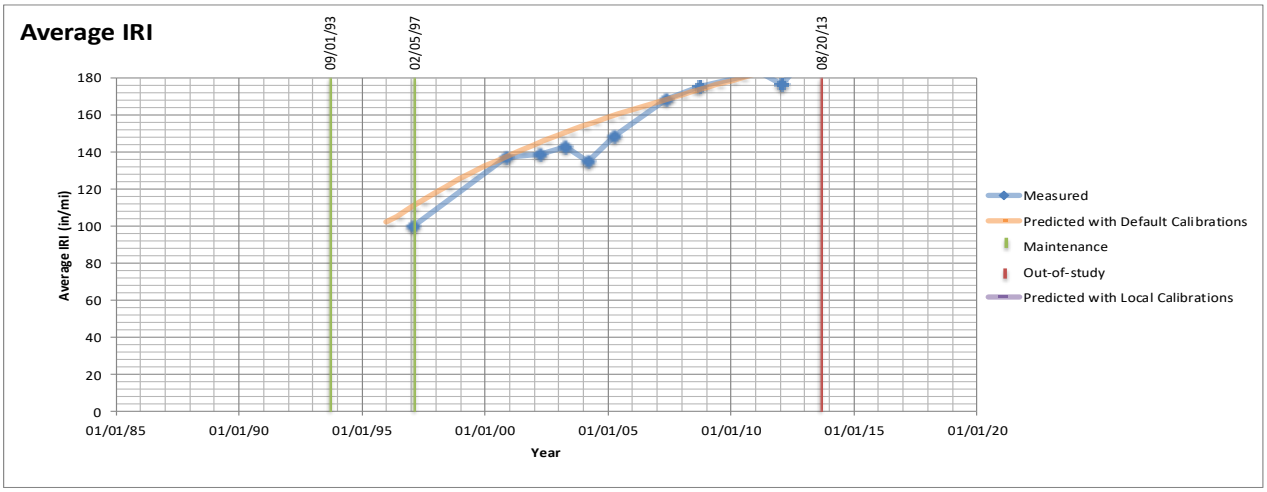


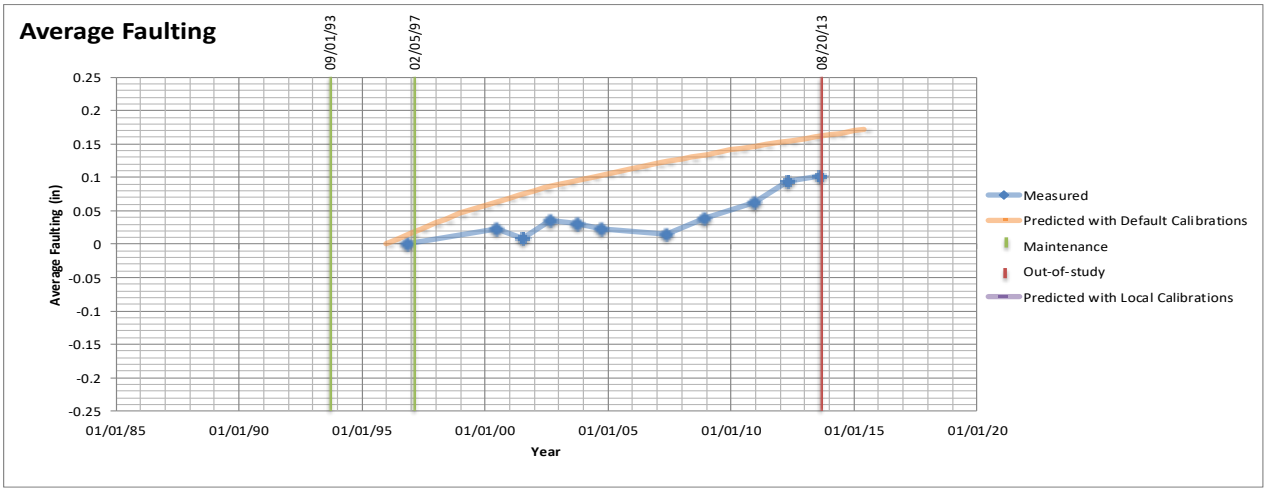


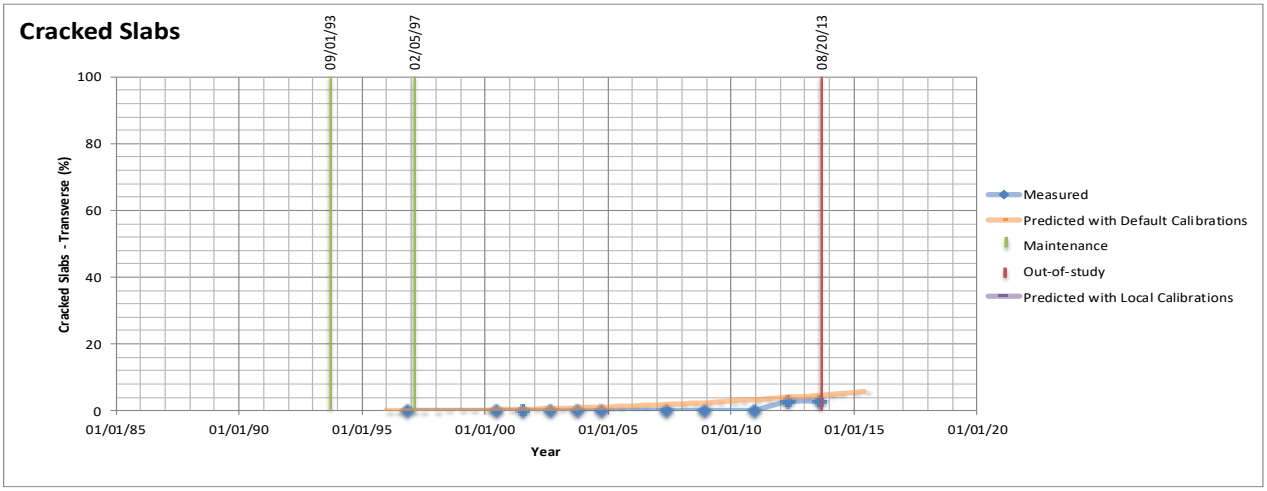


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
12-Dec-2002	Crack Sealing
15-Nov-2003	Partial Depth Patching of PCC Pavement Other Than at Joint
15-Oct-2006	Partial Depth Patching of PCC Pavement Other Than at Joint
15-Nov-2008	Out-of-study

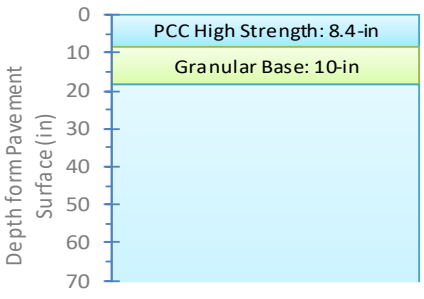


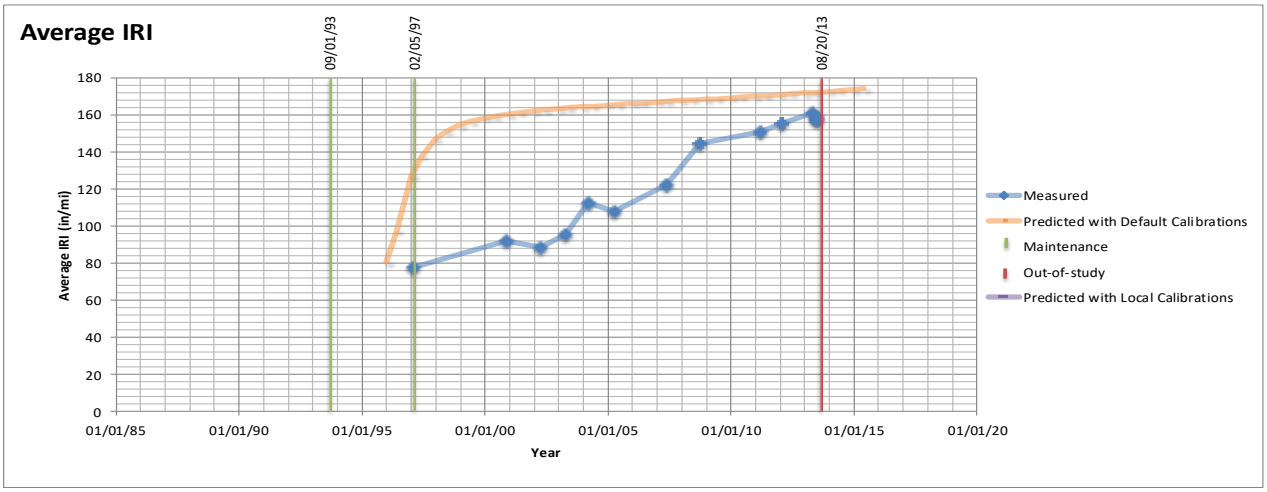


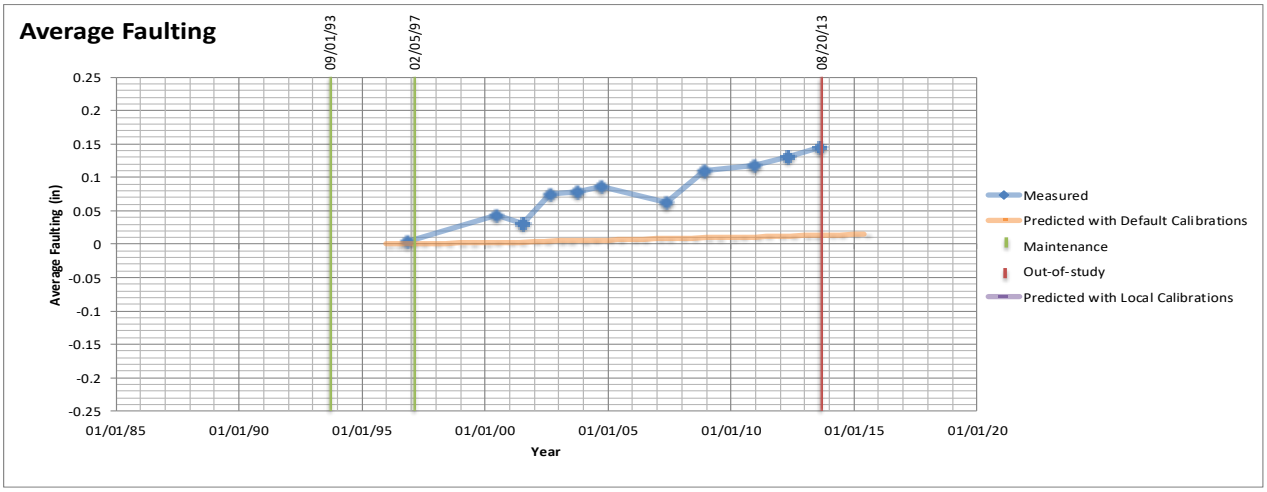


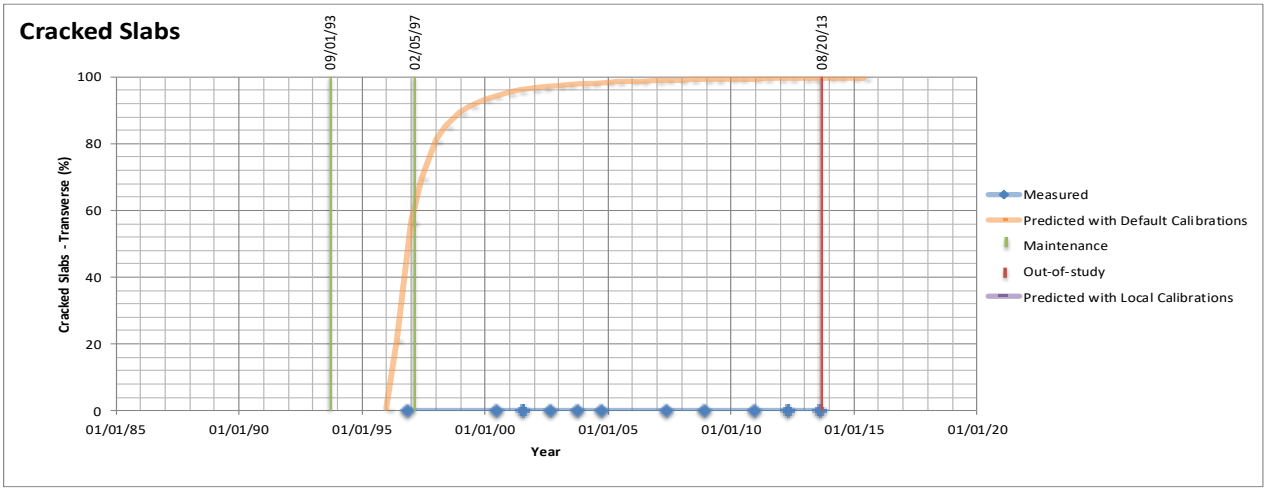


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
20-Aug-2013	Out-of-study

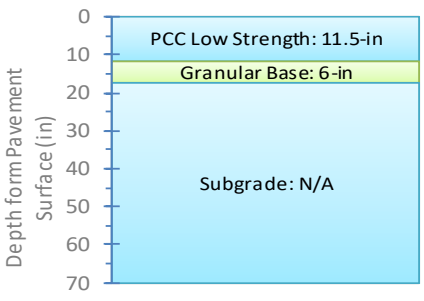


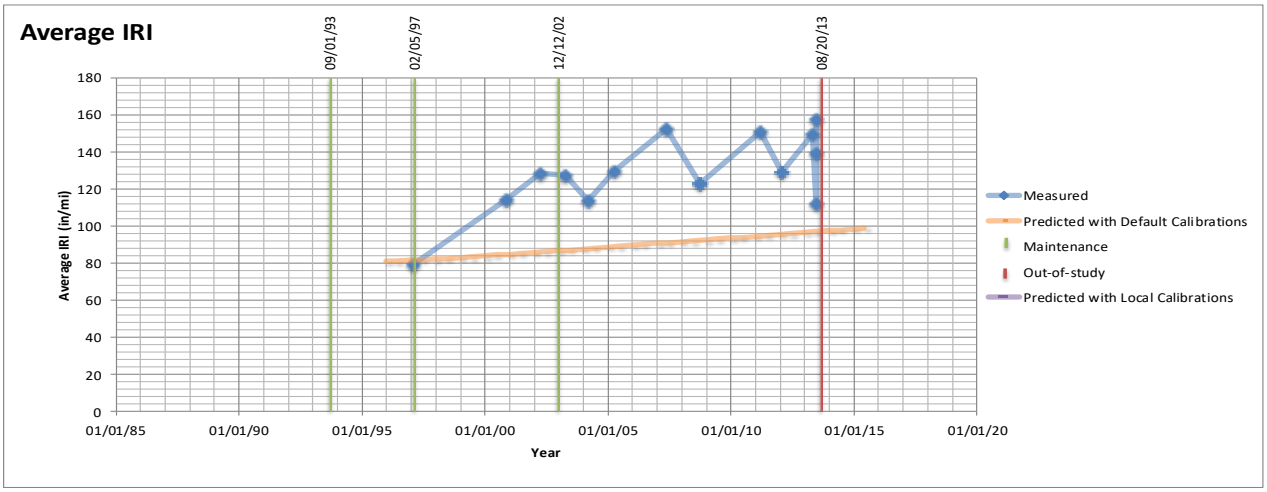


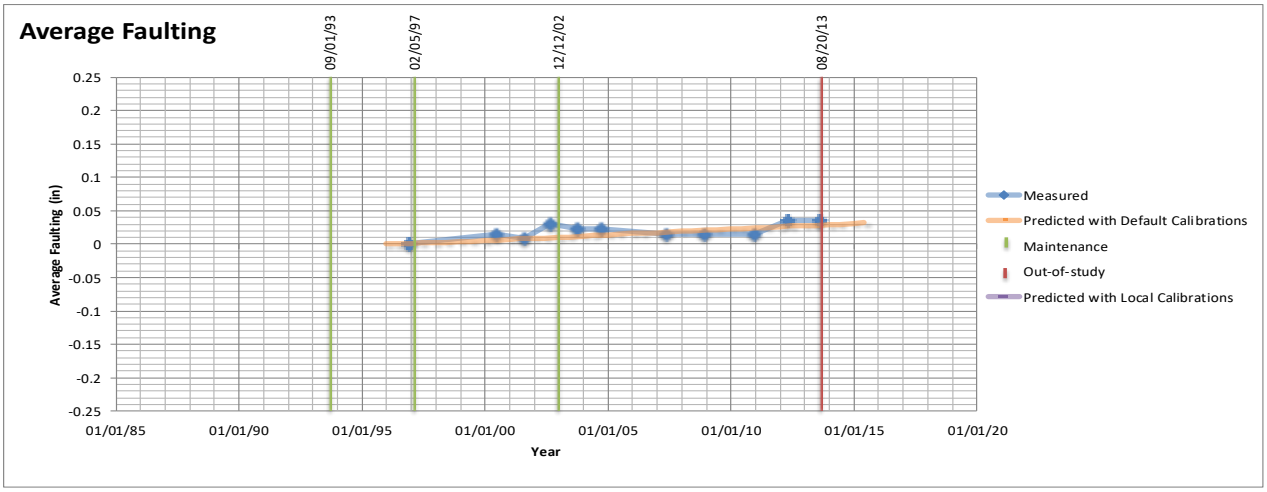


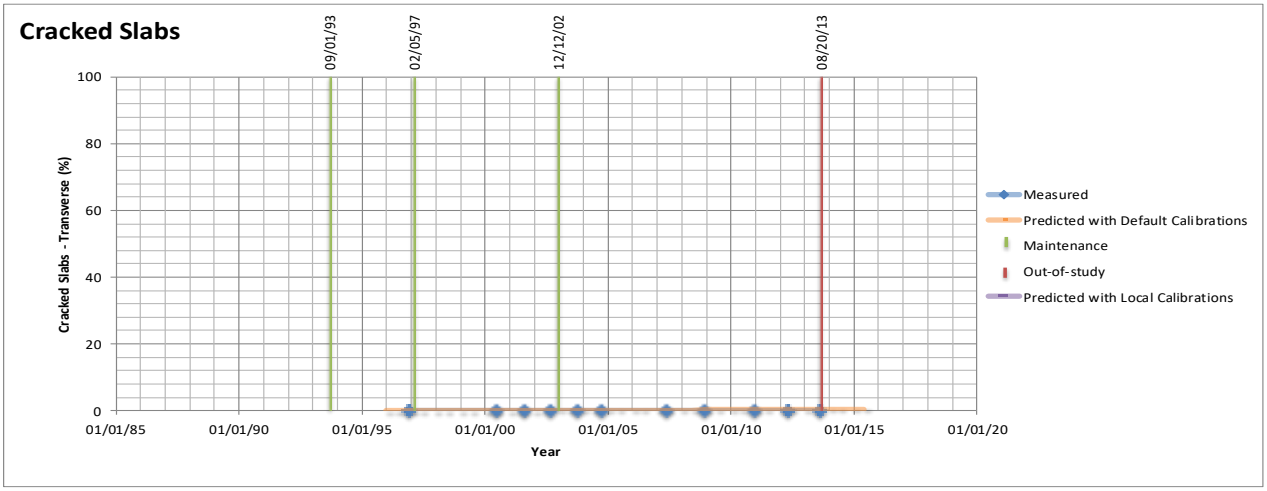


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
20-Aug-2013	Out-of-study

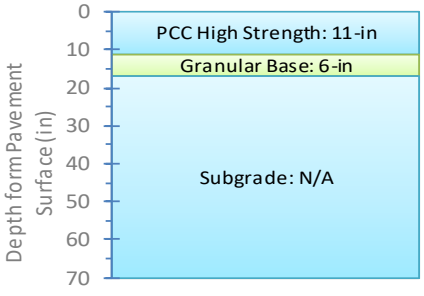


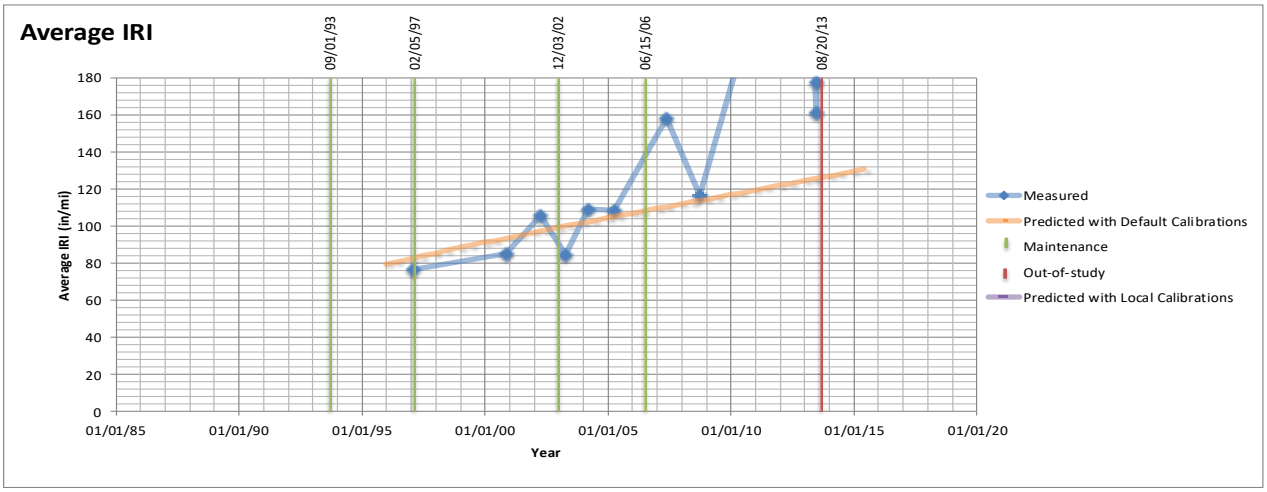


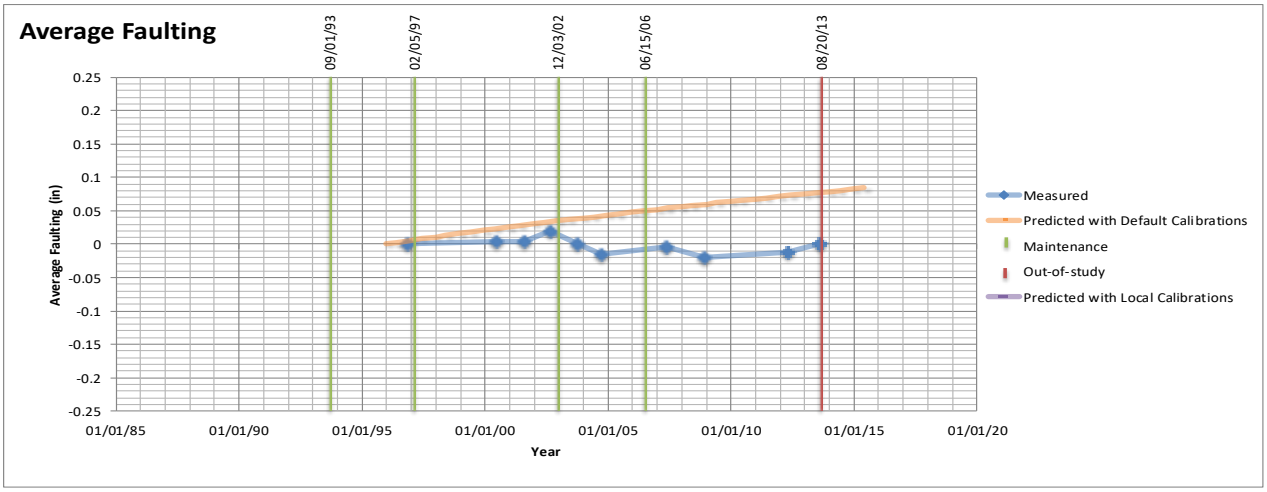


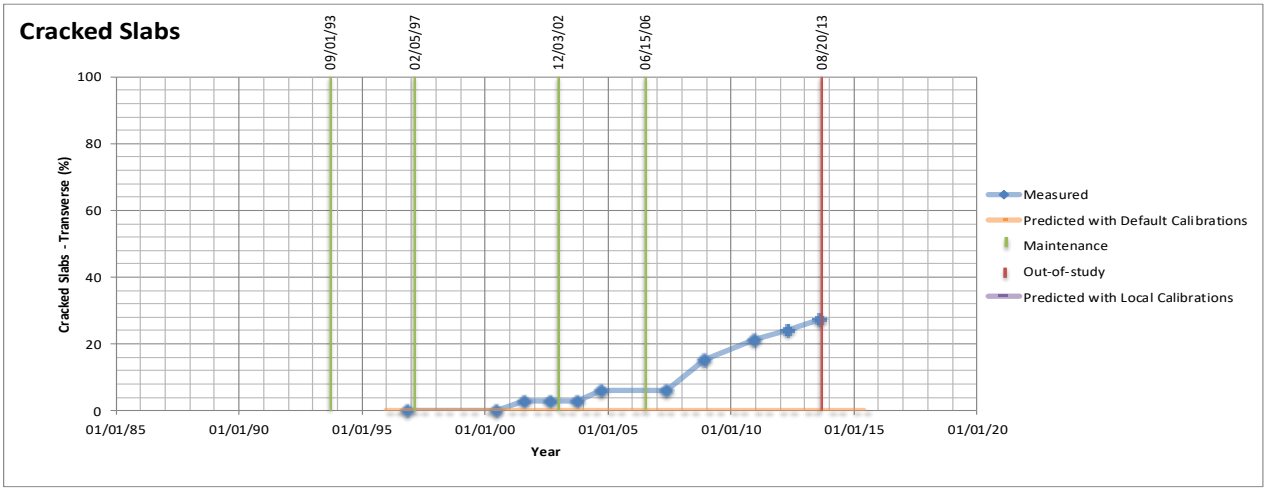


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
12-Dec-2002	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
20-Aug-2013	Out-of-study

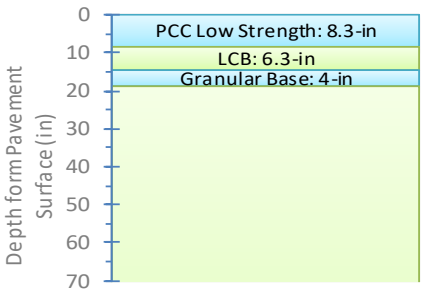


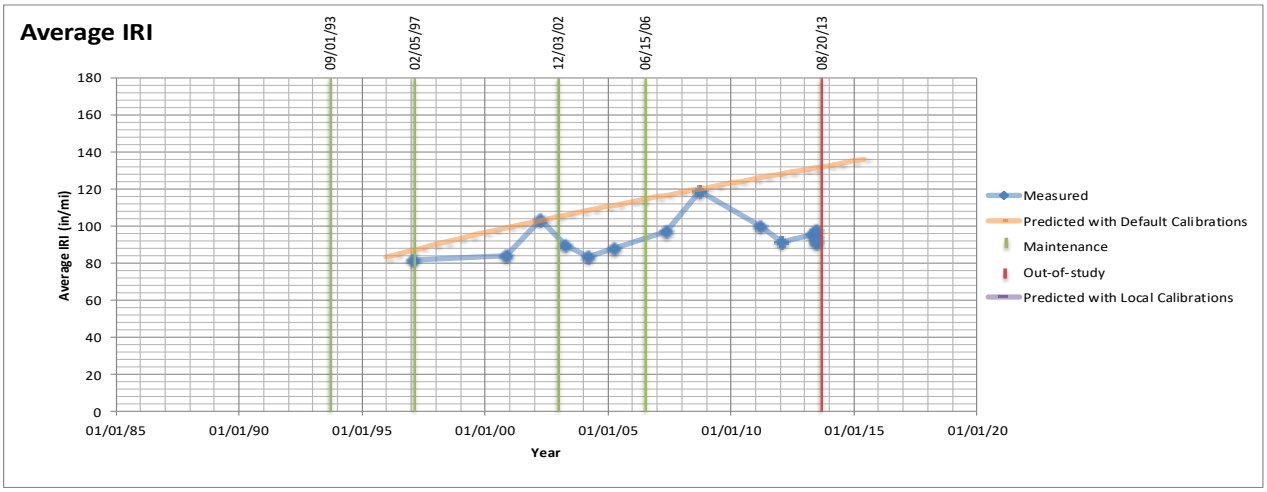


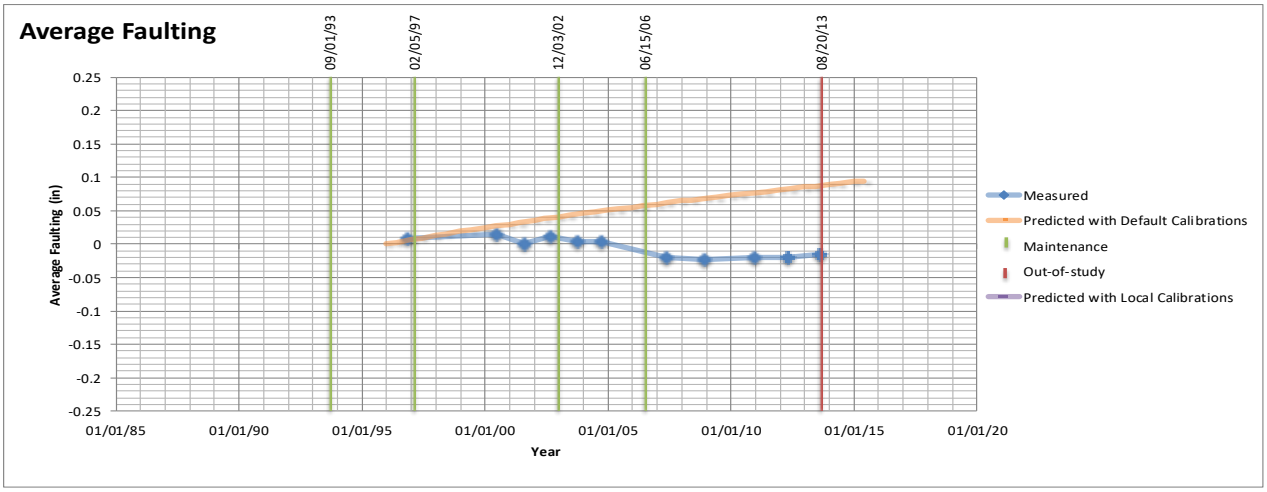


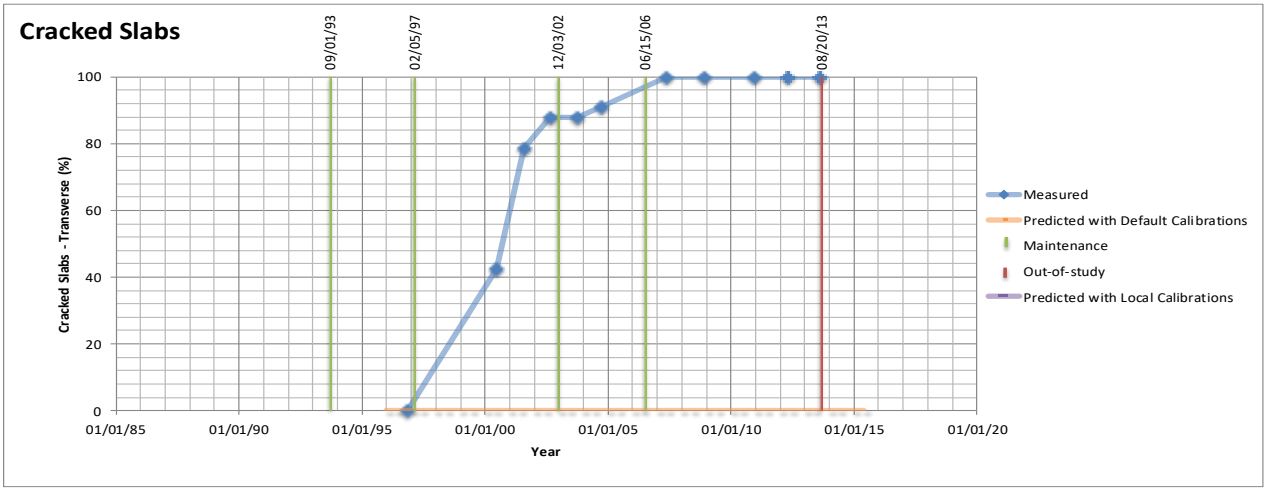


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
3-Dec-2002	Crack Sealing; Partial depth patching of PCC pavements at joints
15-Jun-2006	Partial depth patching of PCC pavements at joints
20-Aug-2013	Out-of-study

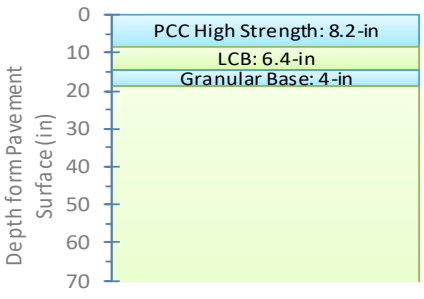


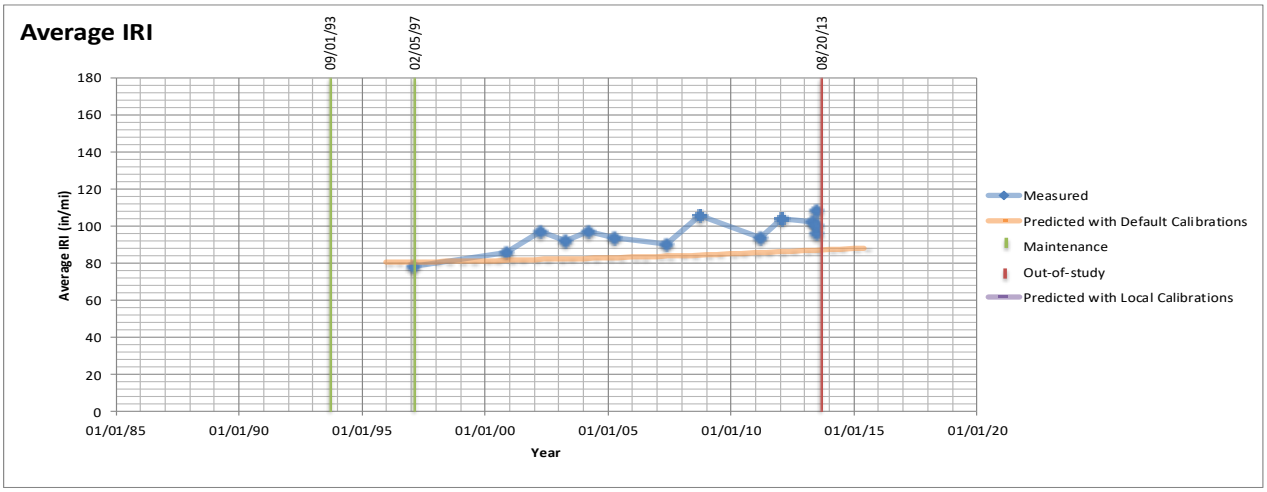


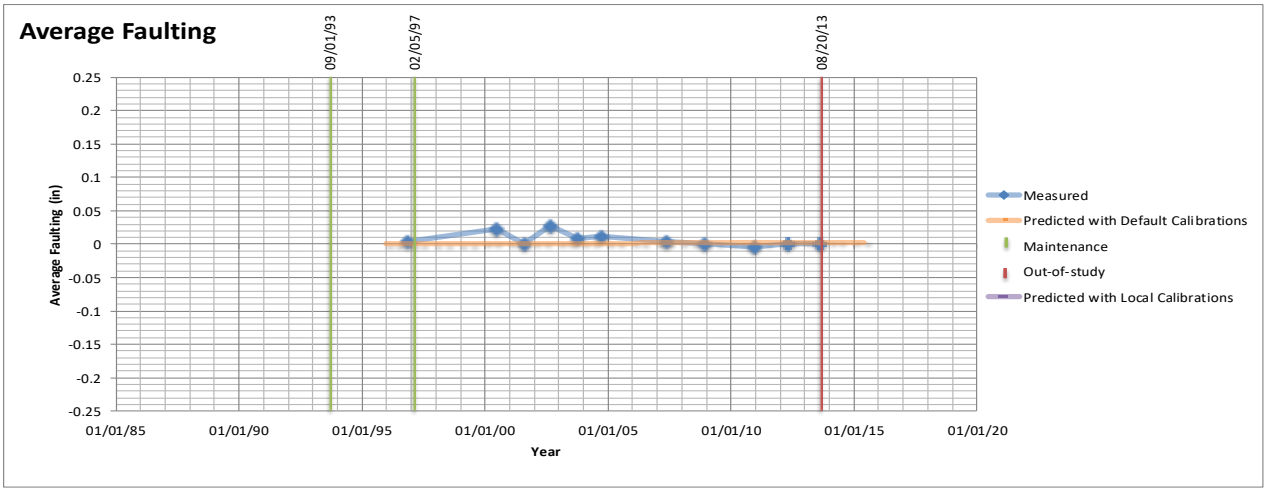


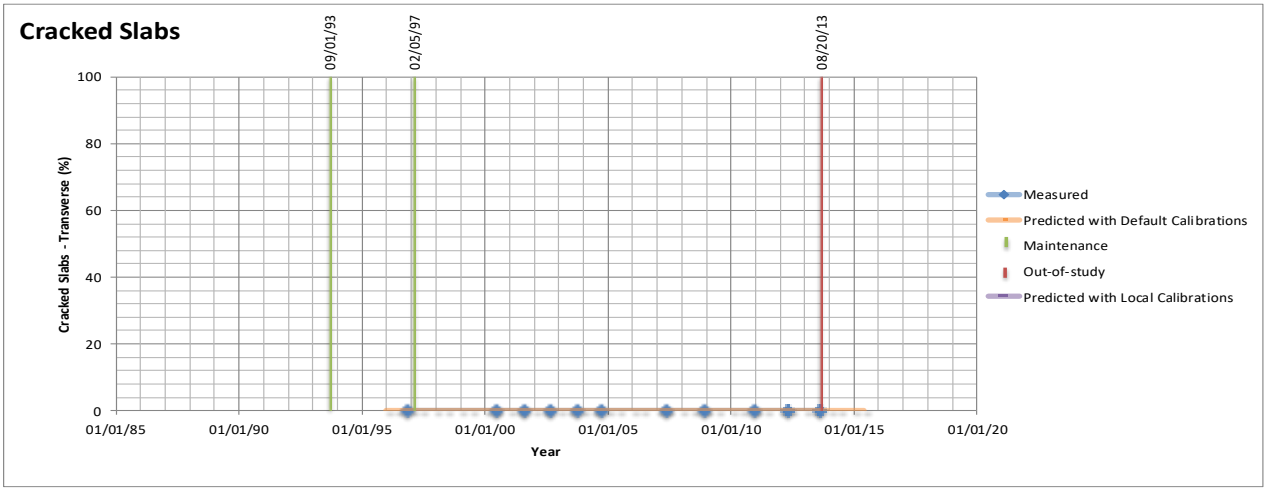


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
3-Dec-2002	Crack Sealing; Transverse Joint Sealing
15-Jun-2006	Partial depth patching of PCC pavements at joints
20-Aug-2013	Out-of-study

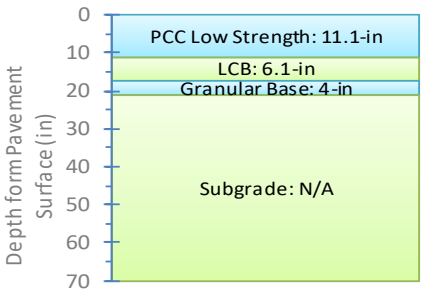


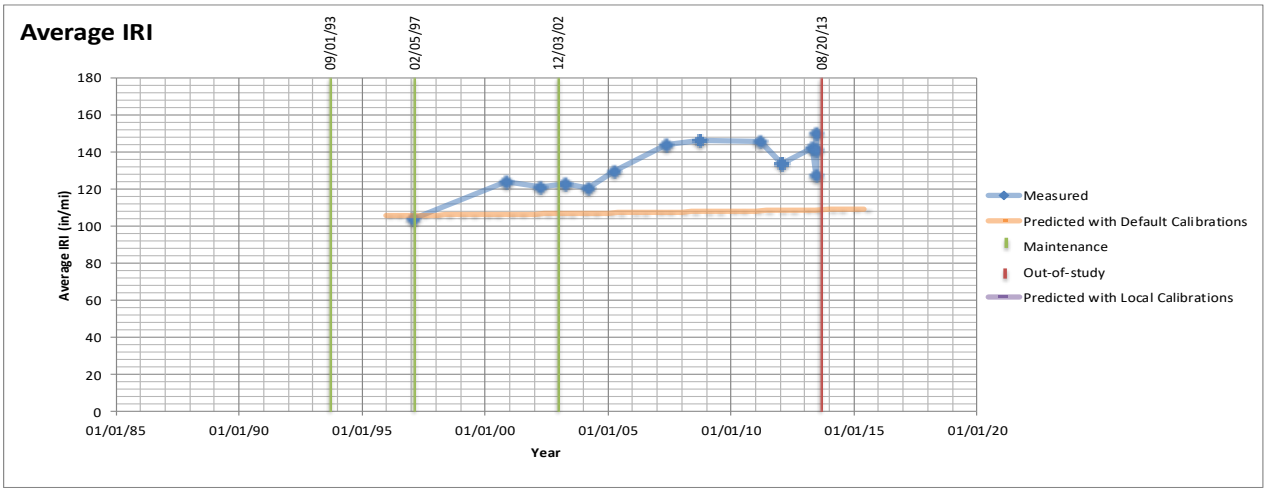


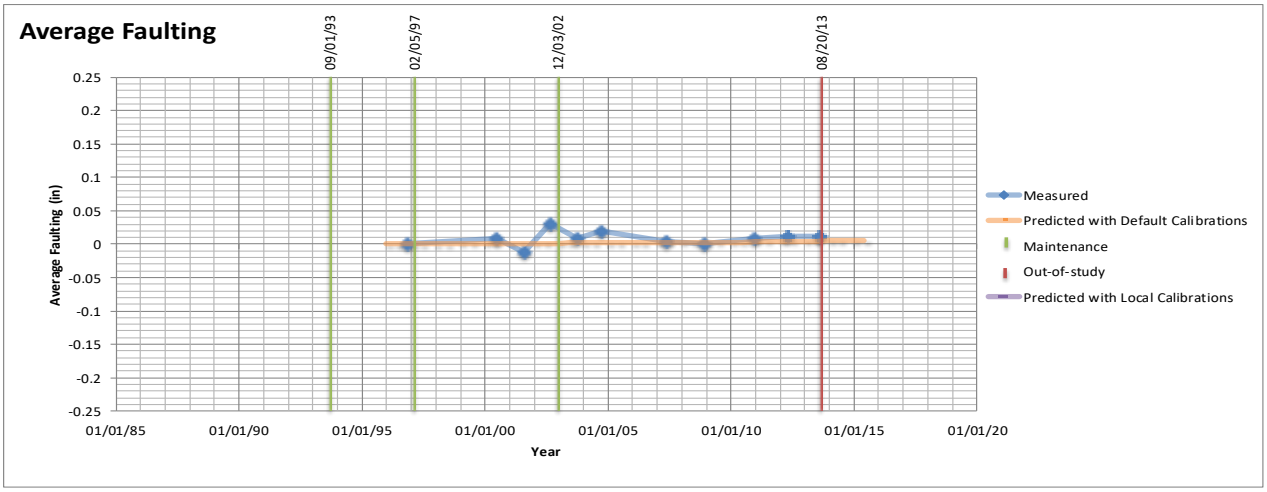


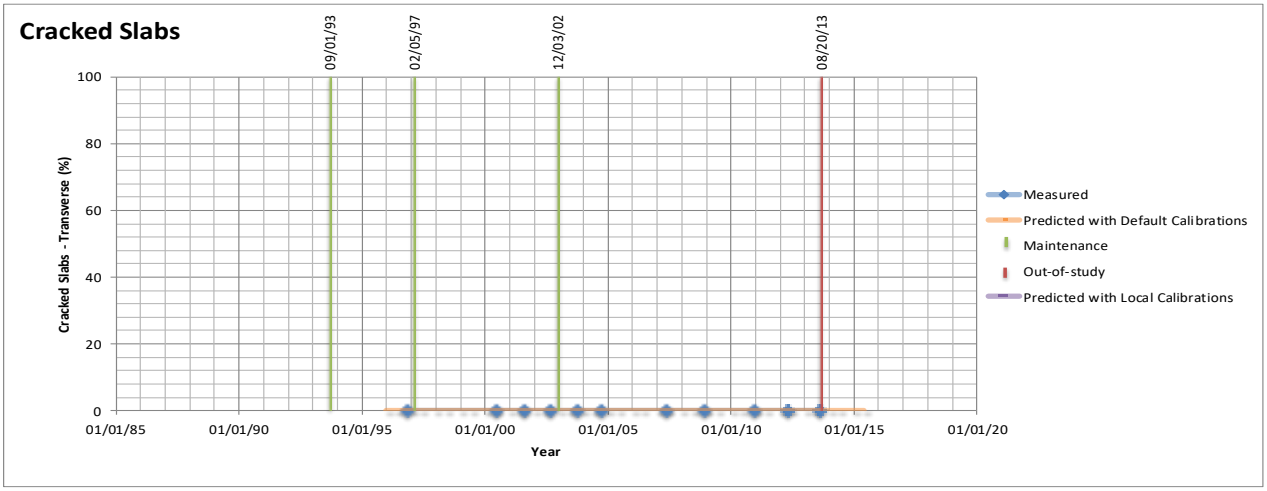


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
20-Aug-2013	Out-of-study

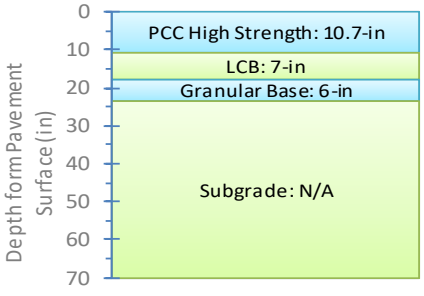


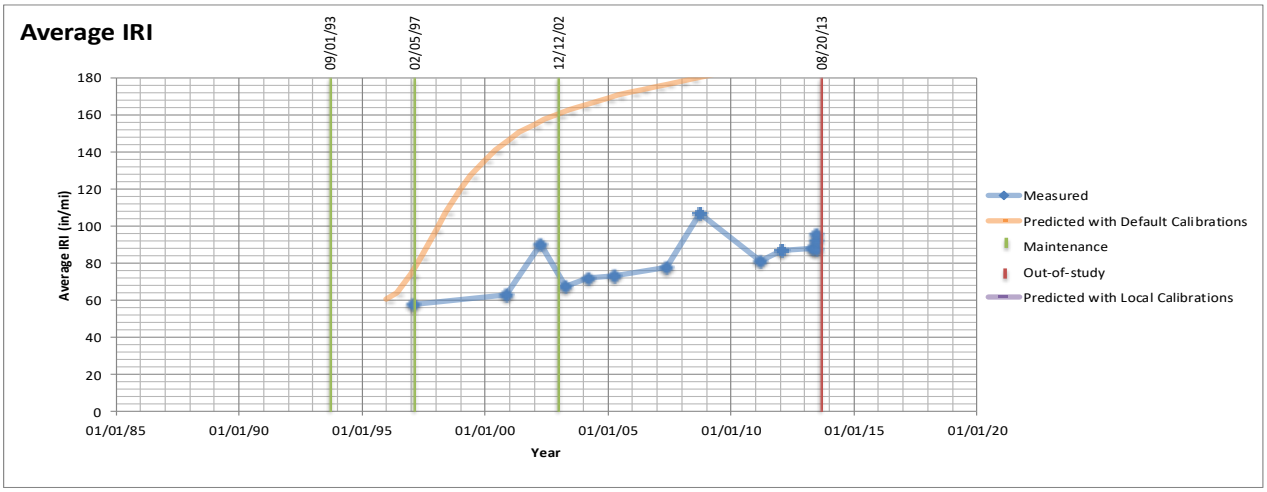


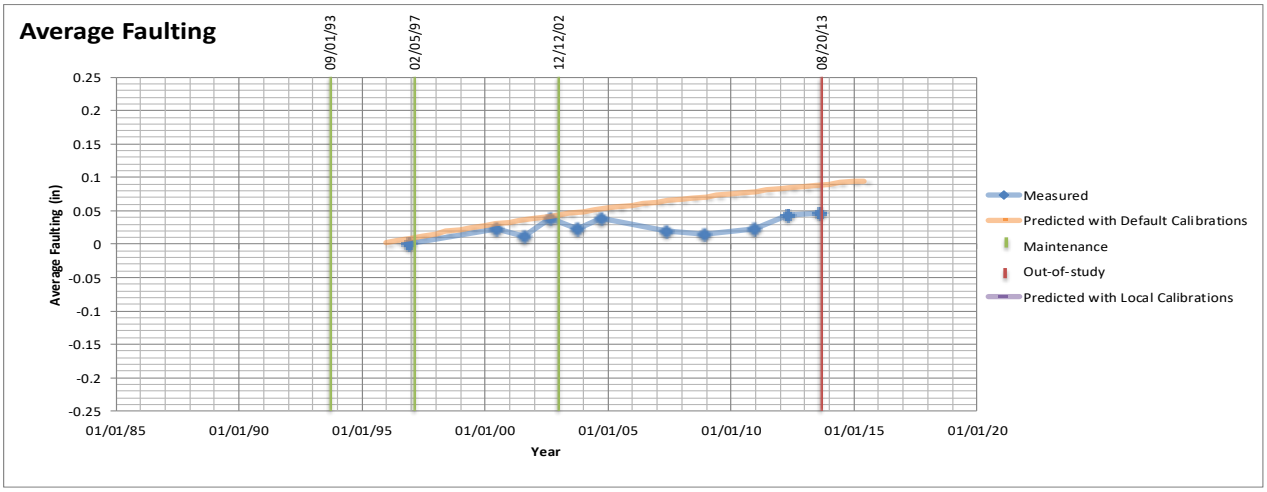


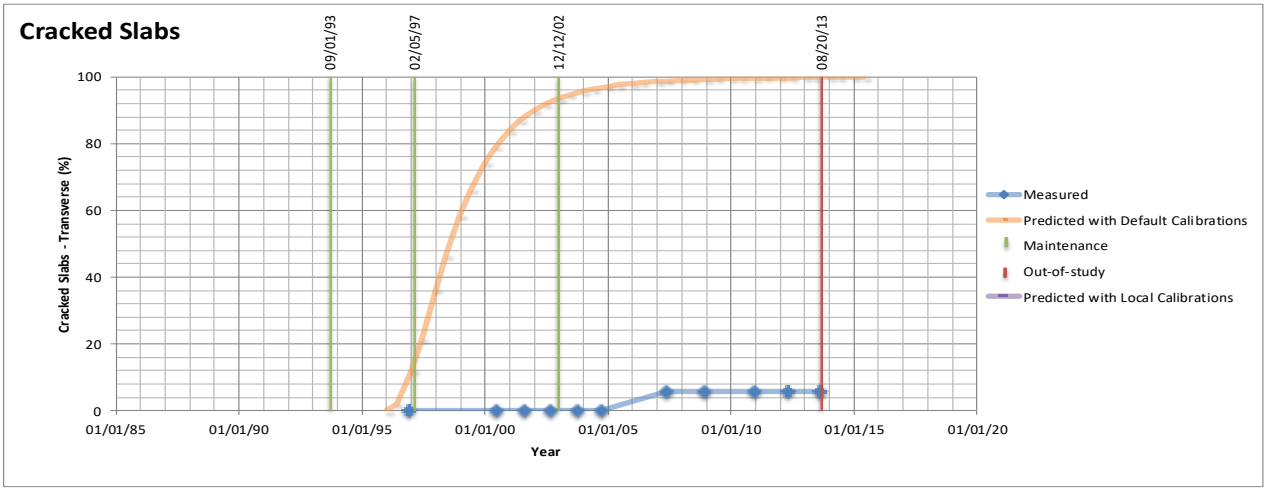


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
3-Dec-2002	Transverse Joint Sealing
20-Aug-2013	Out-of-study

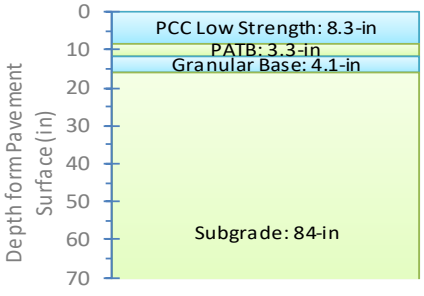


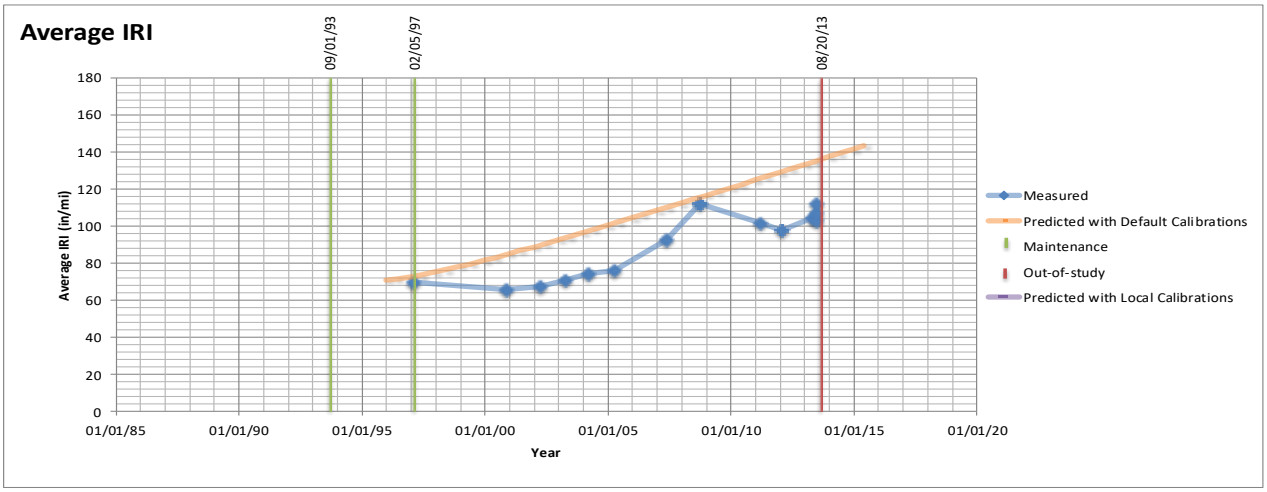


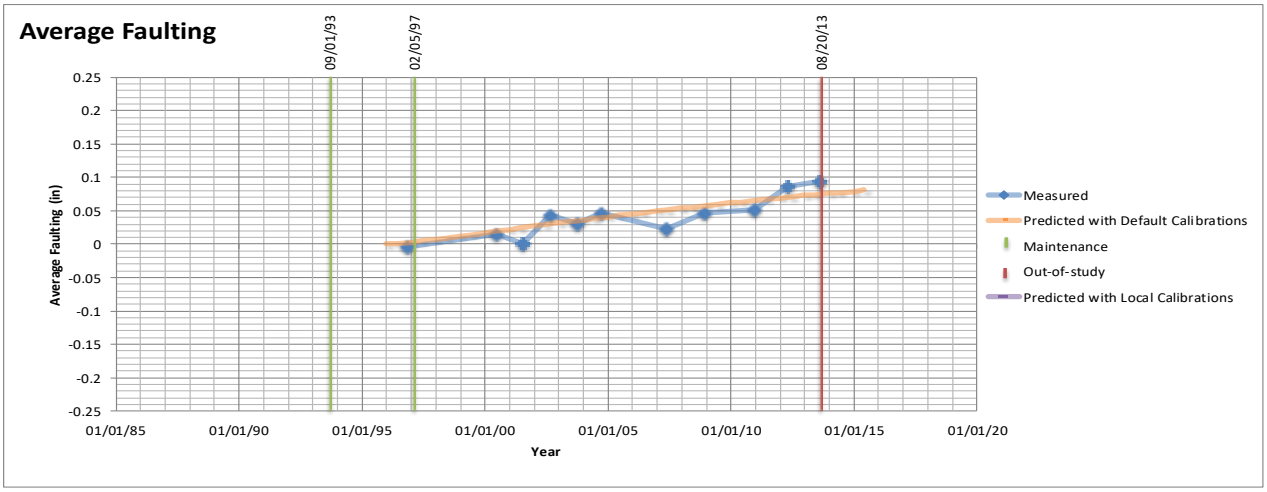


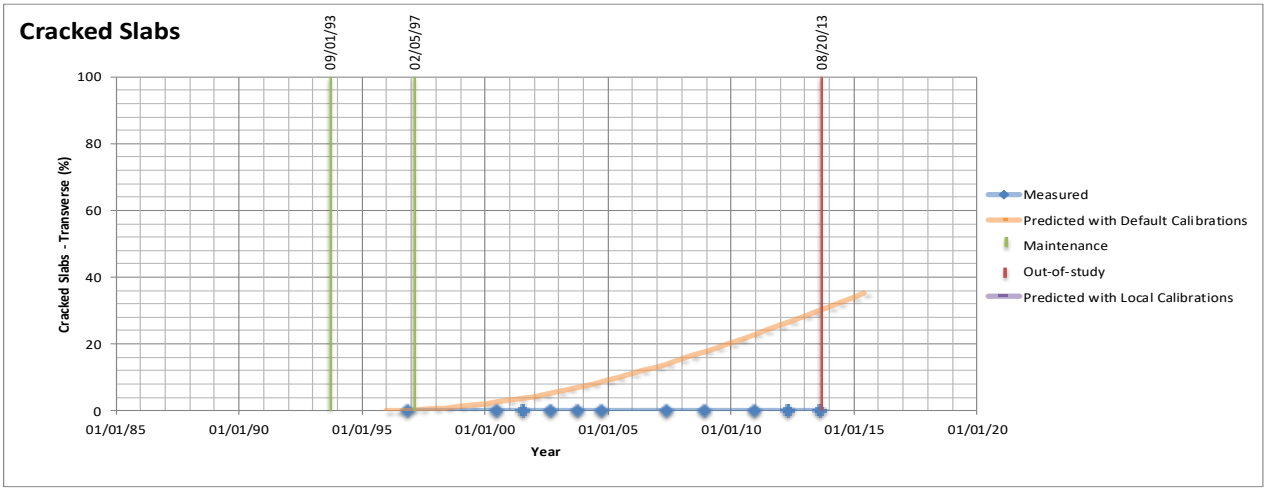


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
12-Dec-2002	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
20-Aug-2013	Out-of-study

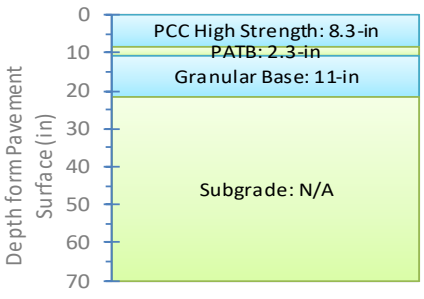


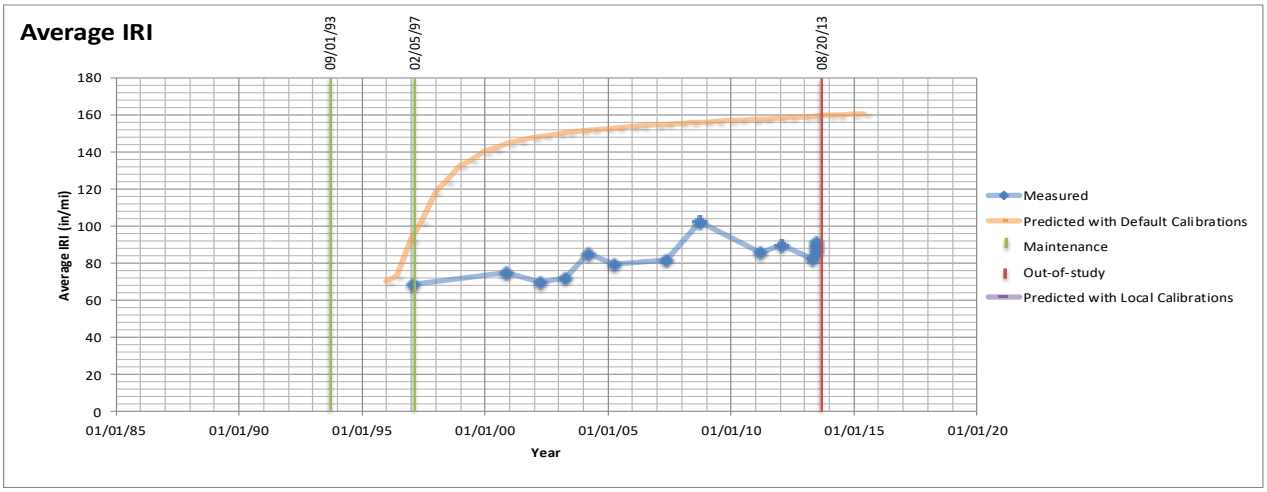


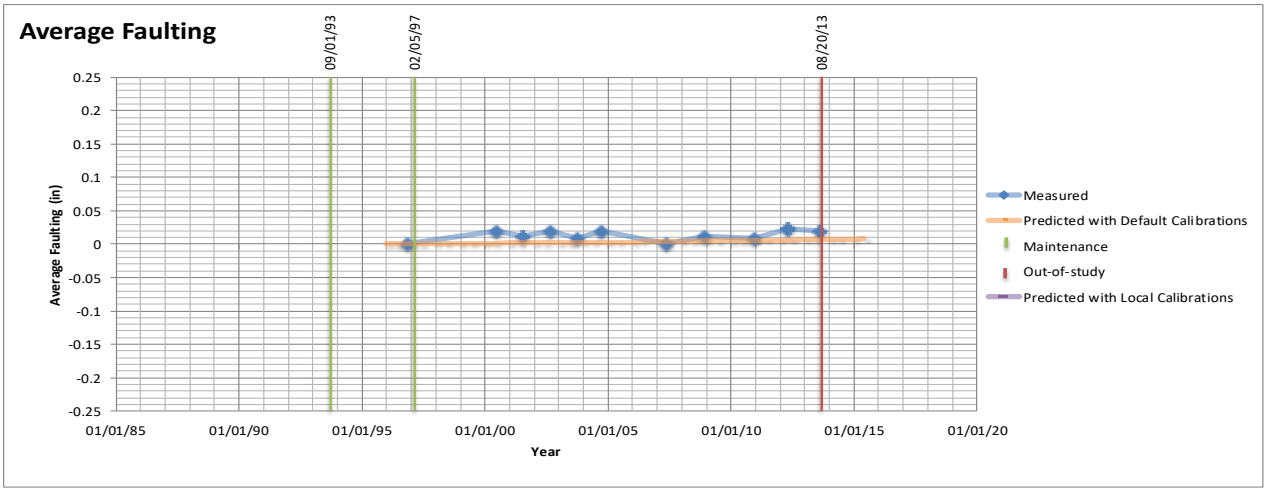


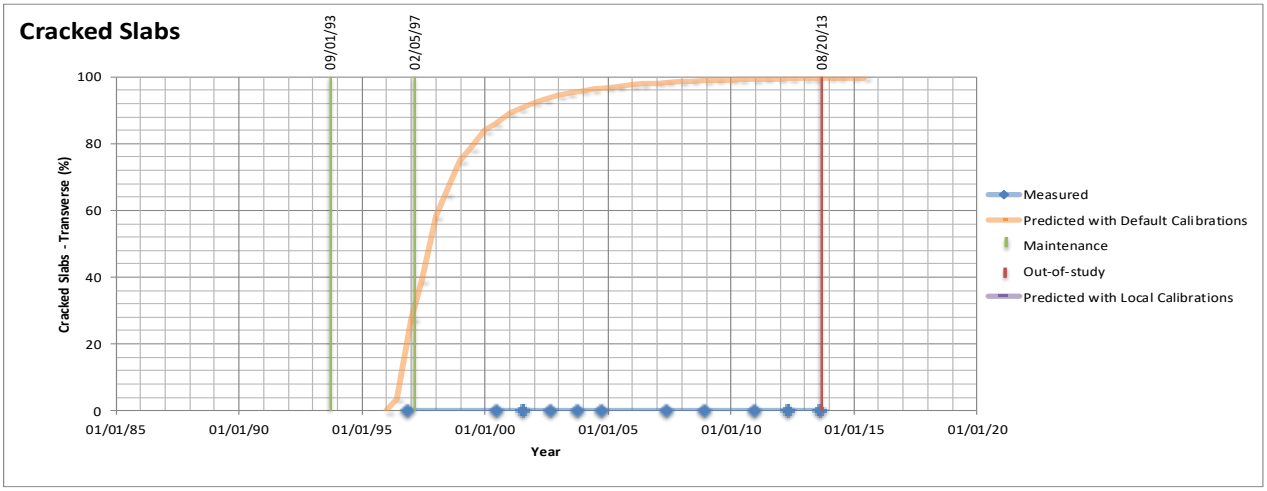


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
20-Aug-2013	Out-of-study

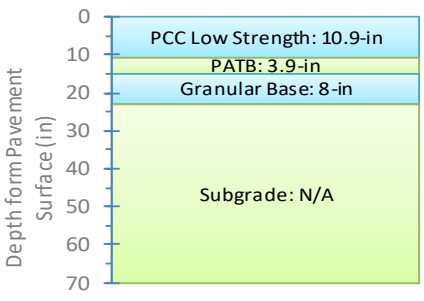


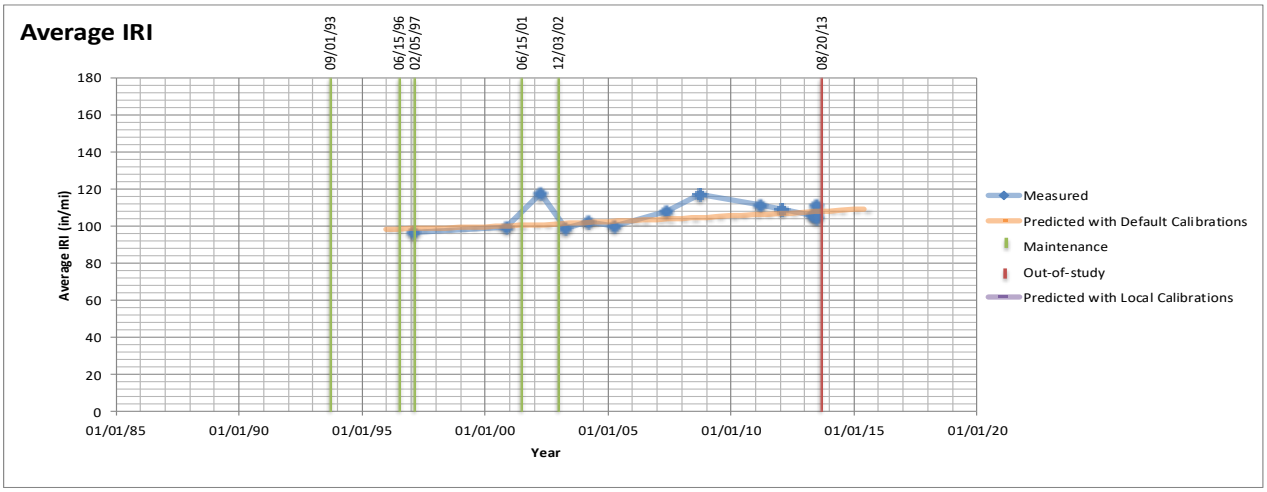


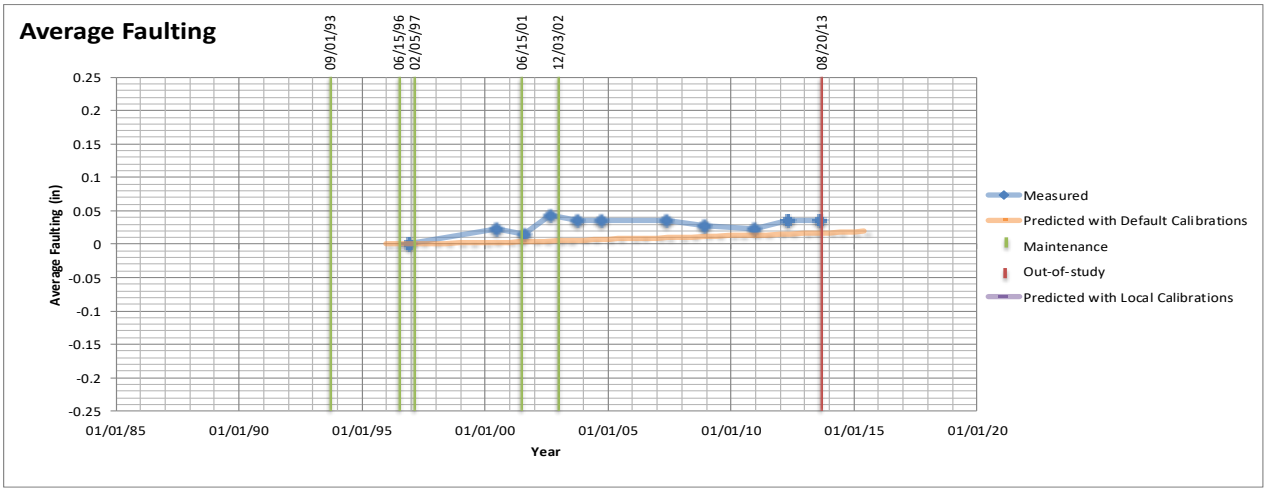


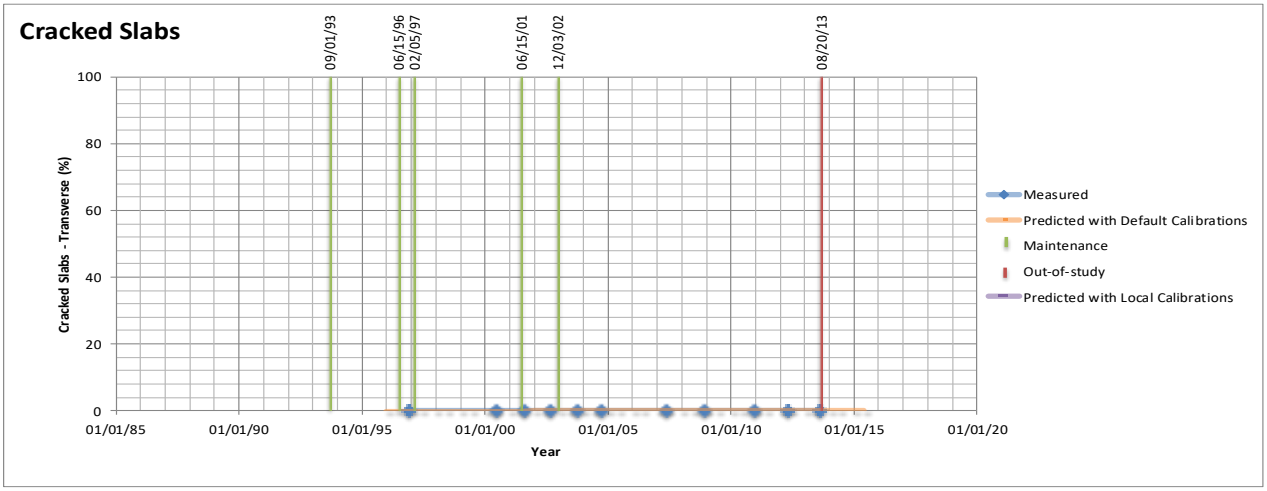


Date	Event
1-Sep-1993	In-study
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
20-Aug-2013	Out-of-study

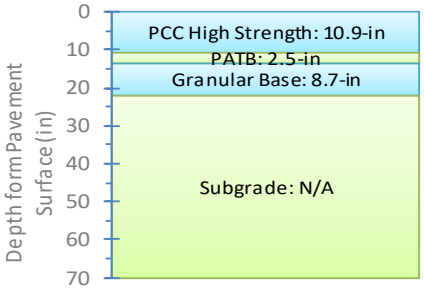


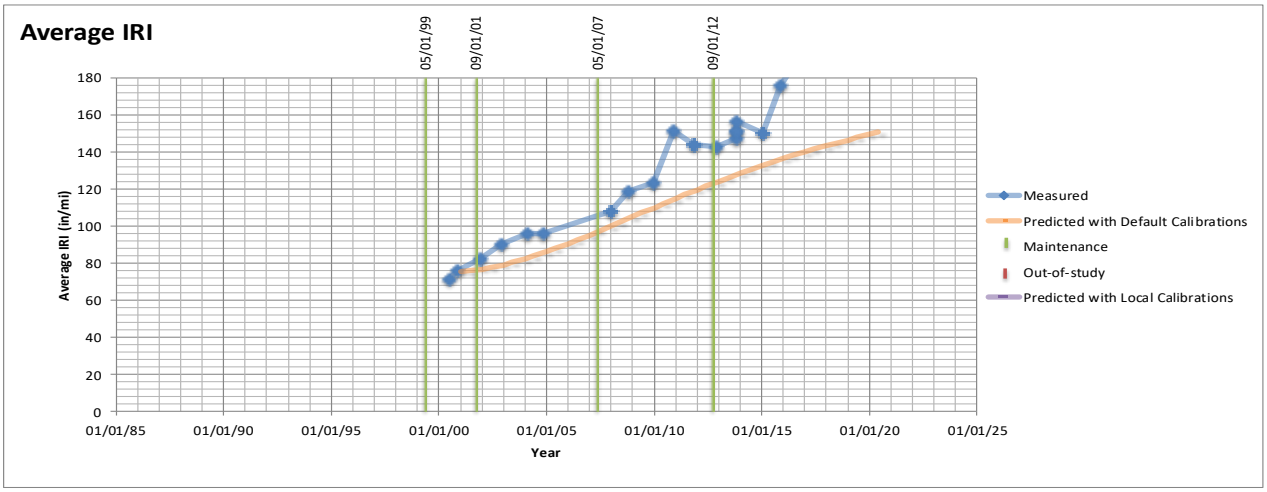


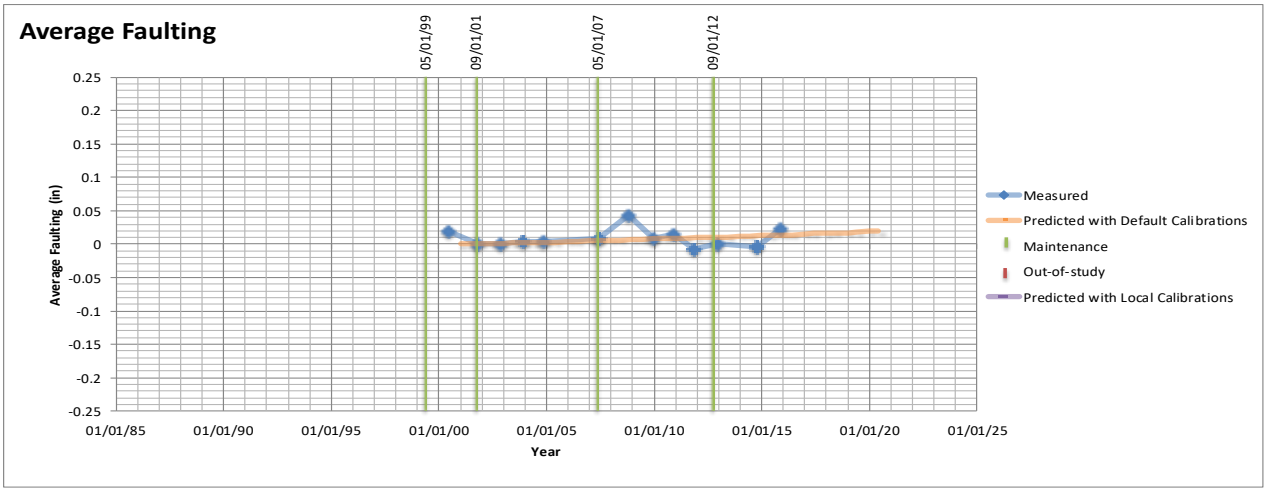


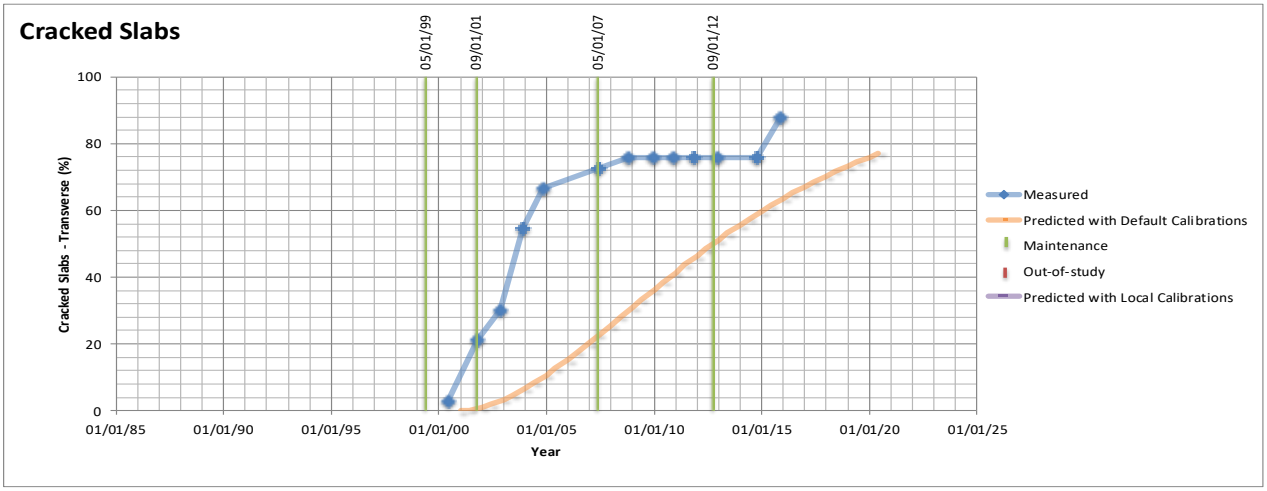


Date	Event
1-Sep-1993	In-study
15-Jun-1996	Partial depth patching of PCC pavements at joints
5-Feb-1997	Lane-Shoulder Longitudinal Joint Sealing
15-Jun-2001	Partial depth patching of PCC pavements at joints
3-Dec-2002	Transverse Joint Sealing
20-Aug-2013	Out-of-study

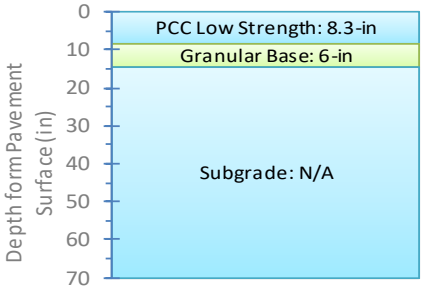


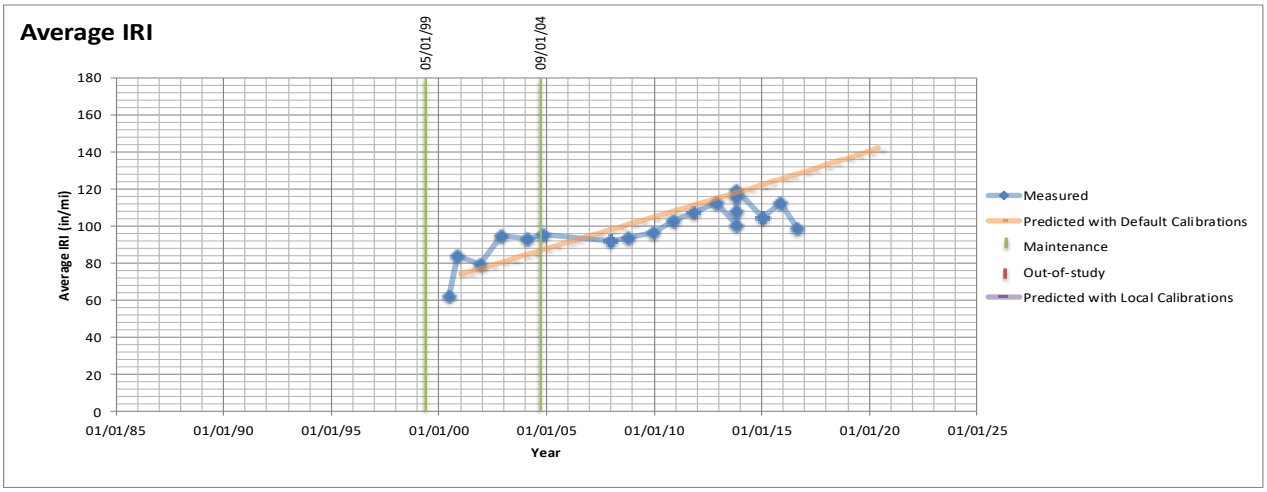


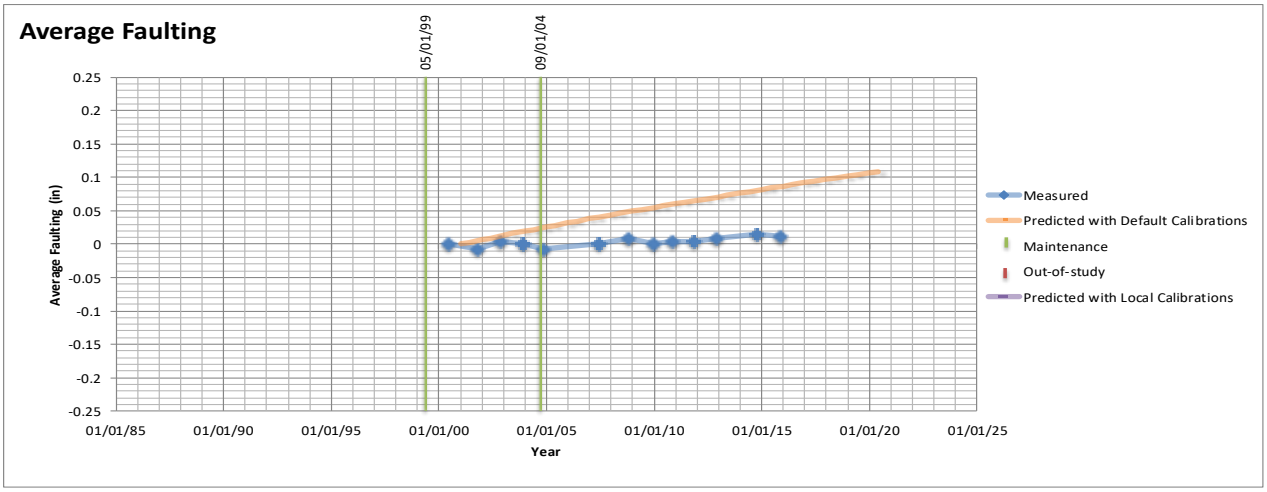


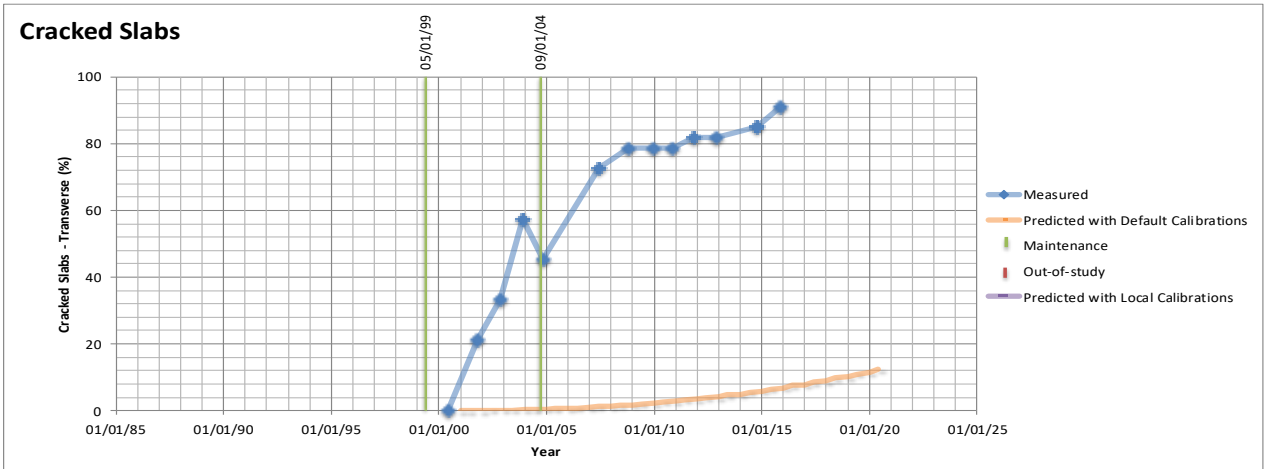


Date	Event
1-May-1999	In-study
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing
1-May-2007	Partial Depth Patching of PCC Pavement Other Than at Joint
1-Sep-2012	Partial Depth Patching of PCC Pavement Other Than at Joint

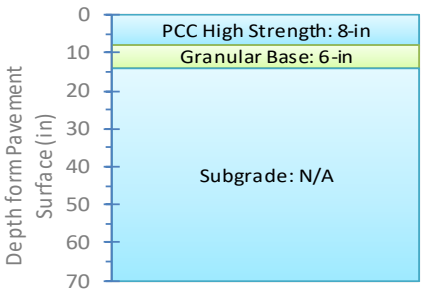


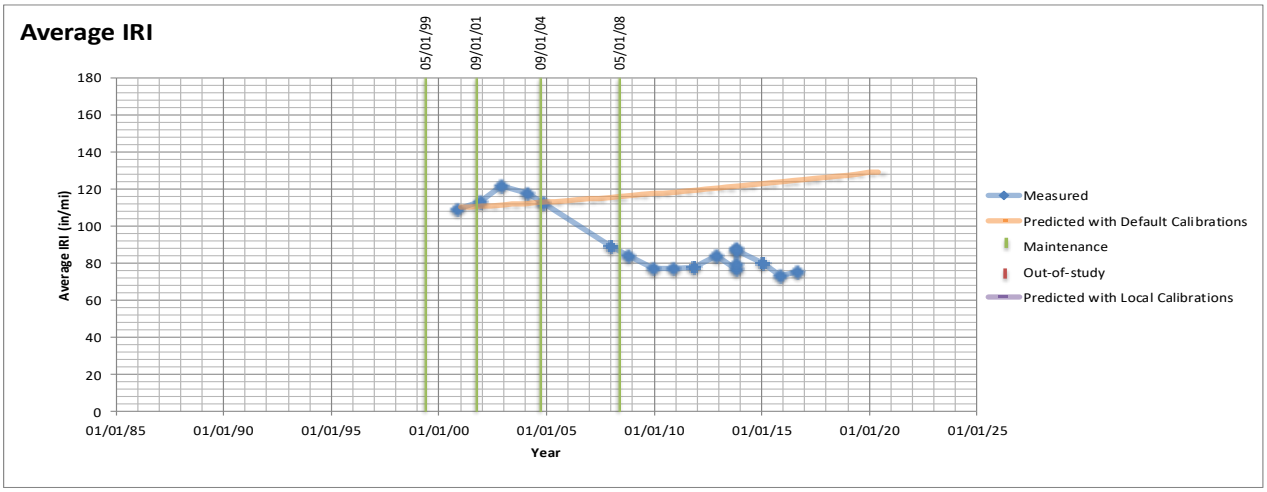


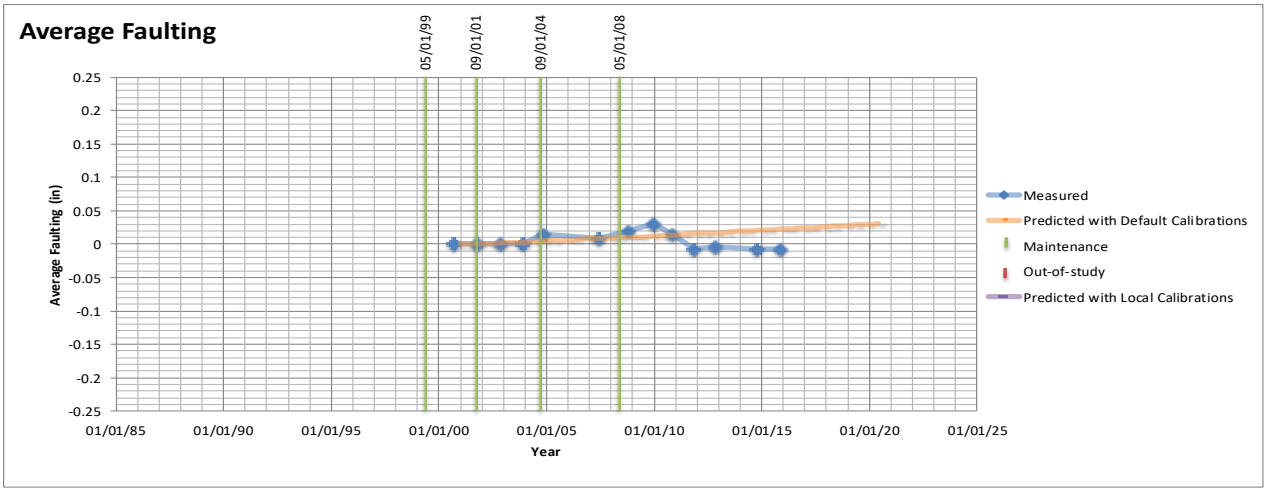


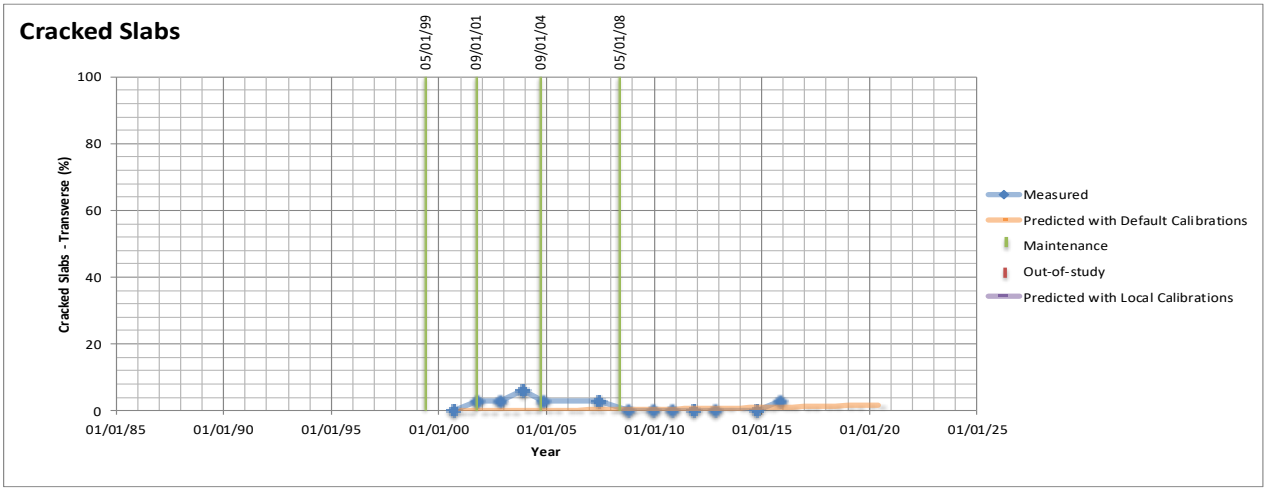


Date	Event
1-May-1999	In-study
1-Sep-2004	Lane-Shoulder Longitudinal Joint Sealing

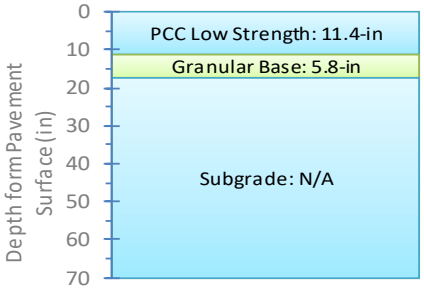


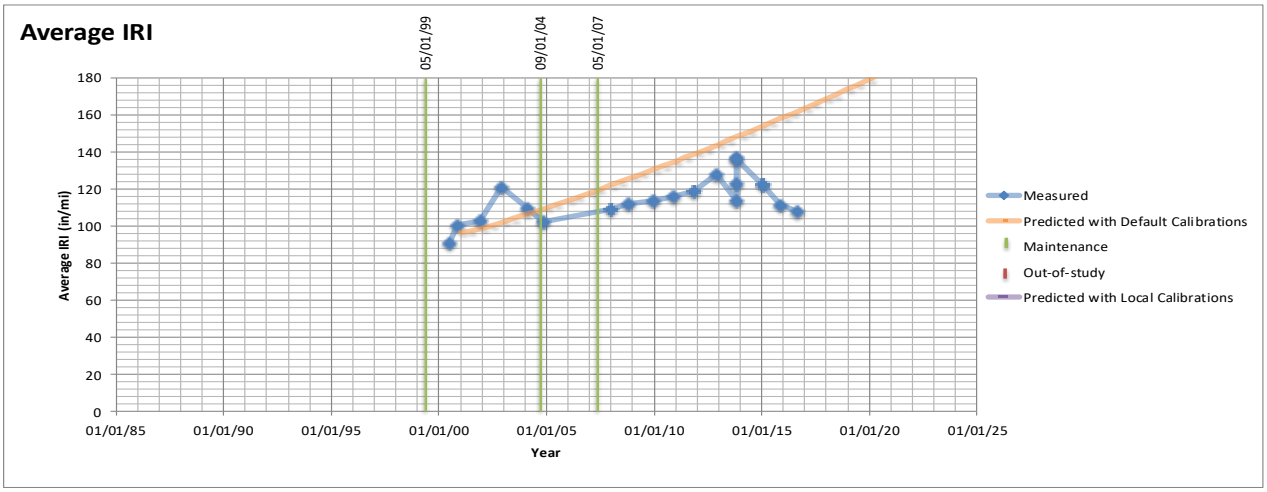


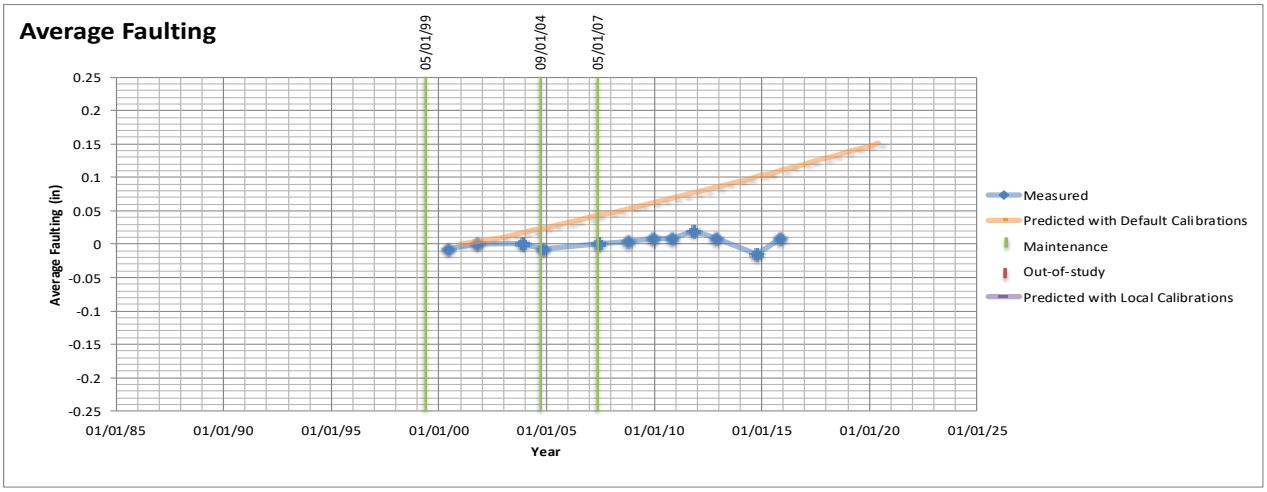


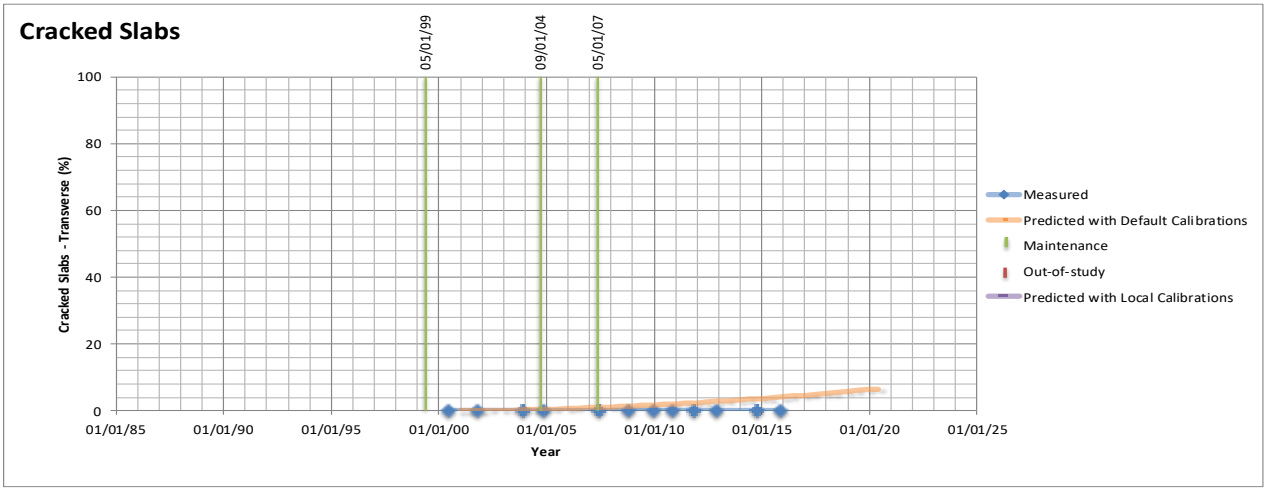


Date	Event
1-May-1999	In-study
1-Sep-2001	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Sep-2004	Grinding Surface
1-May-2008	Grinding Surface

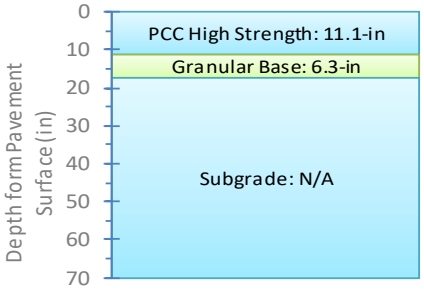


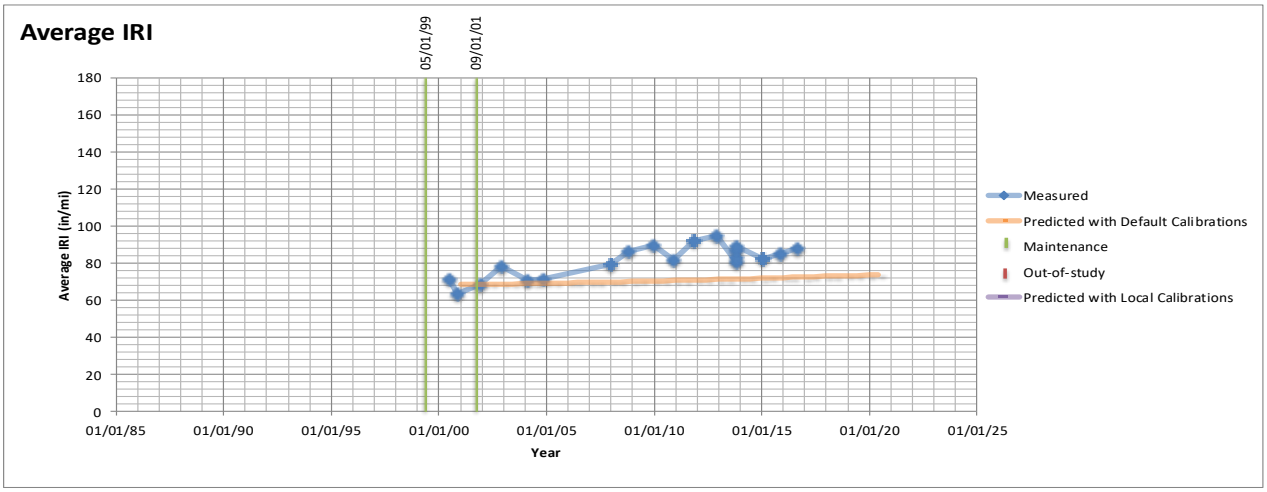


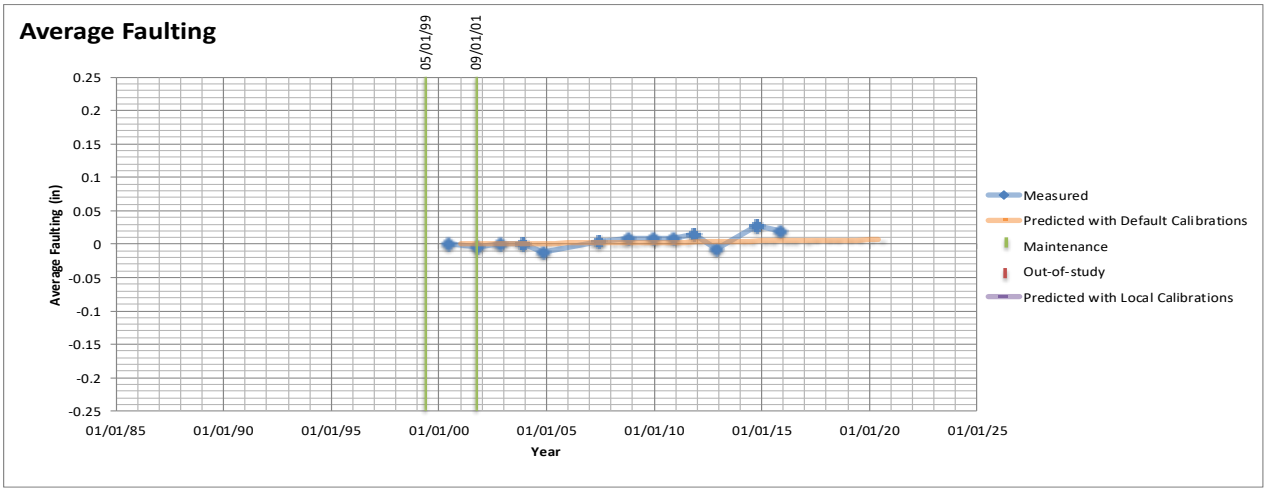


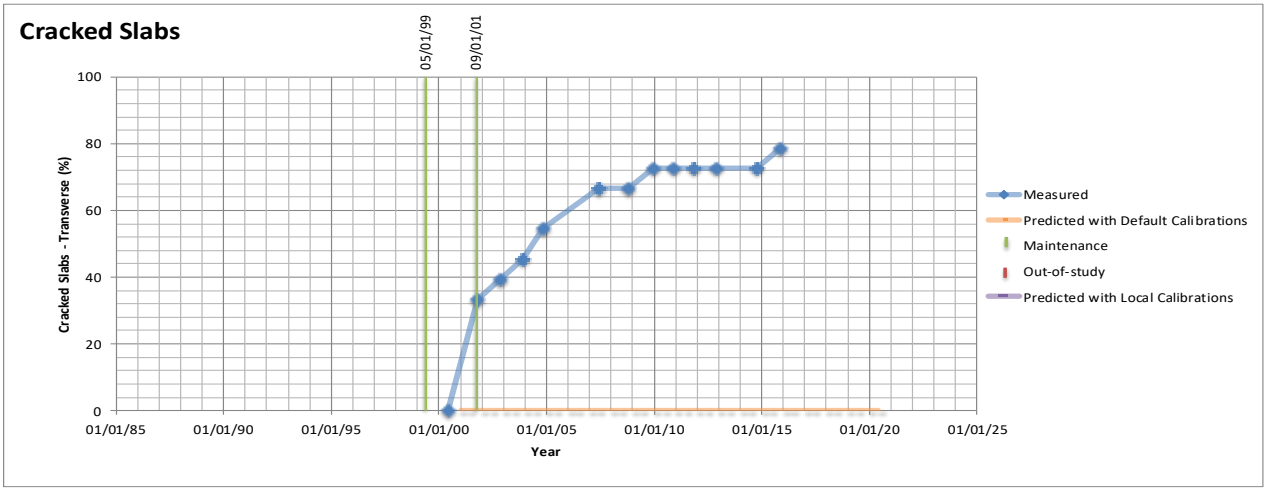


Date	Event
1-May-1999	In-study
1-Sep-2004	Lane-Shoulder Longitudinal Joint Sealing
1-May-2007	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing

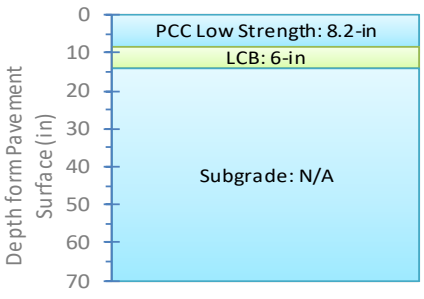


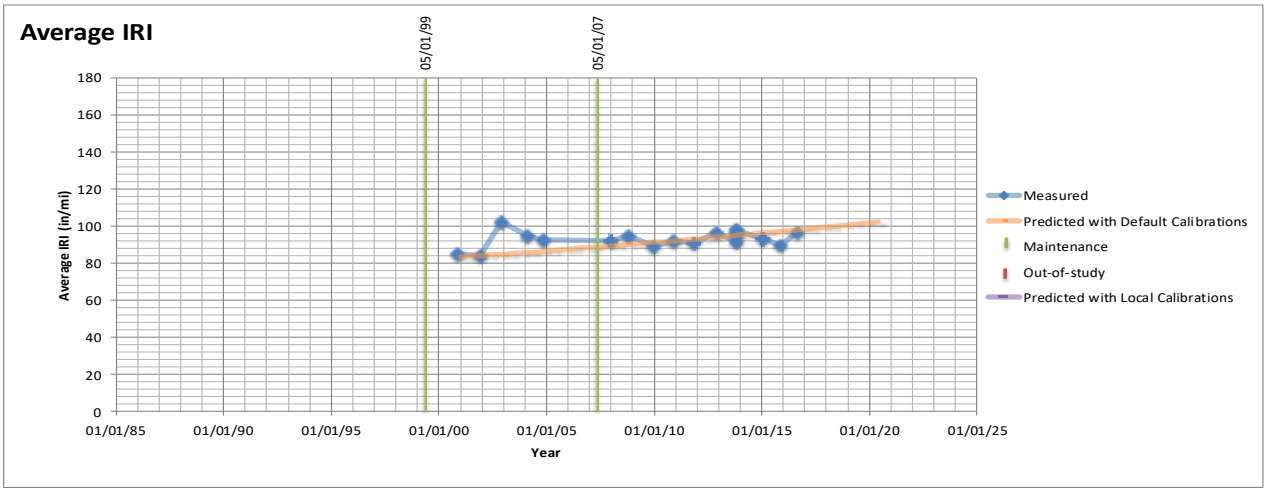


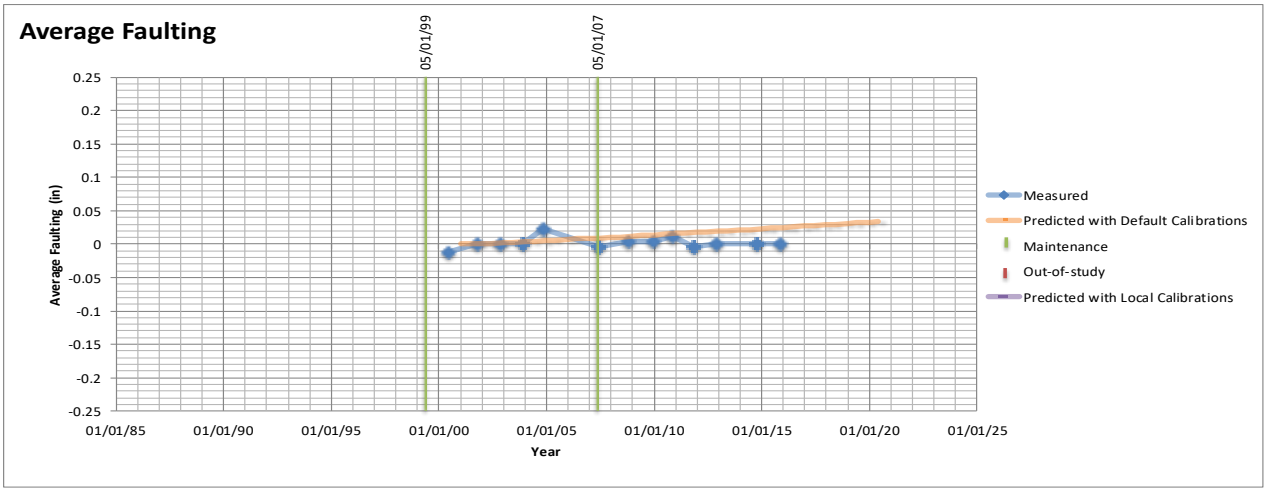


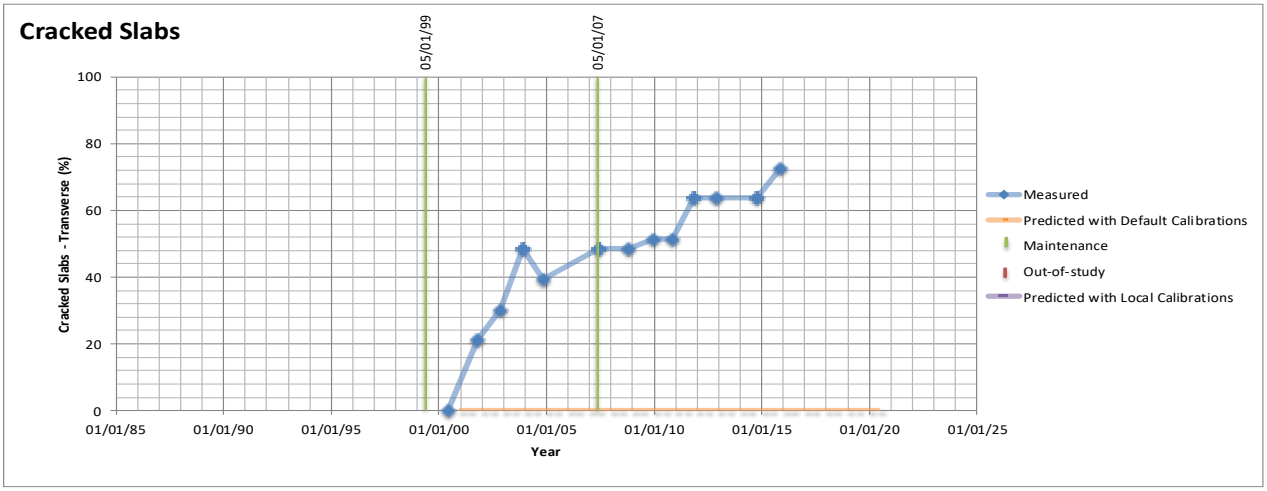


Date	Event
1-May-1999	In-study
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing

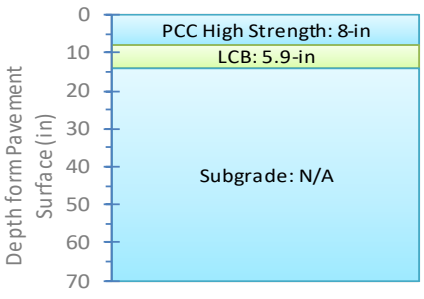


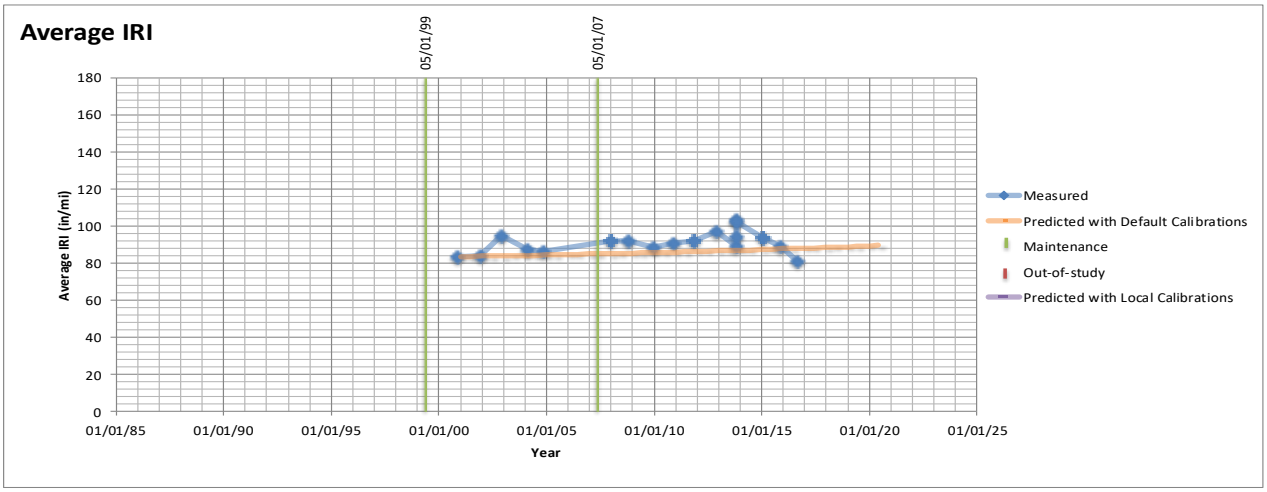


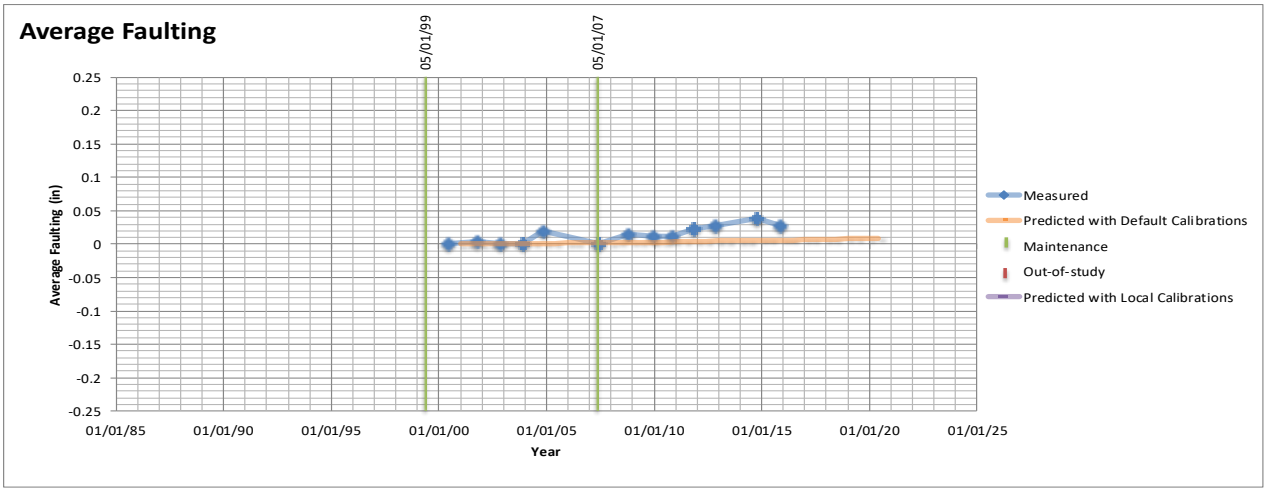


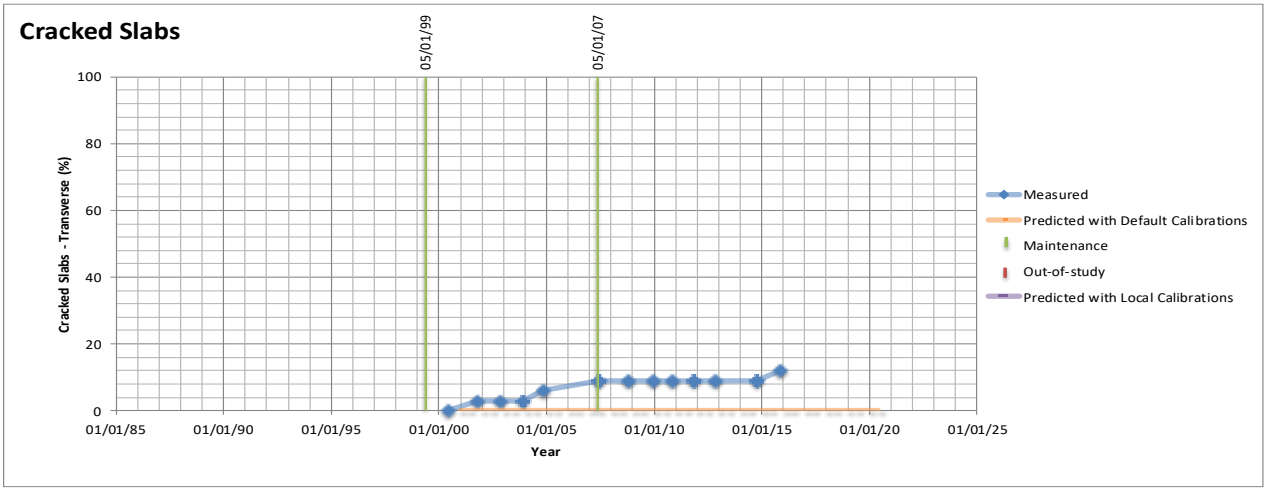


Date	Event
1-May-1999	In-study
1-May-2007	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing

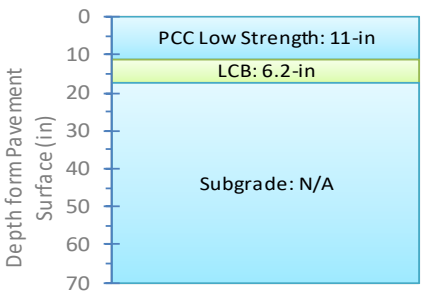


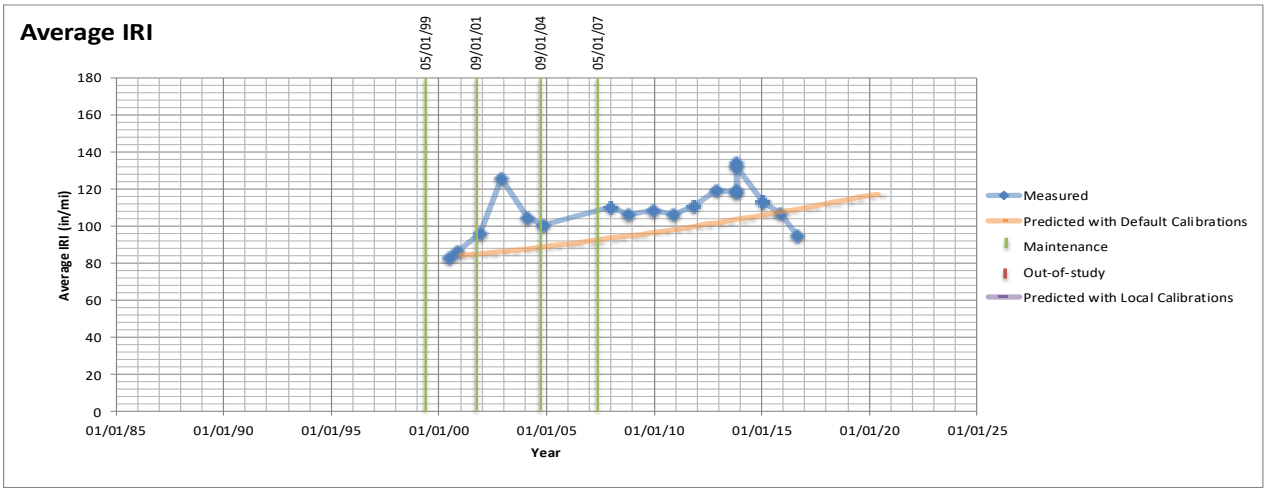


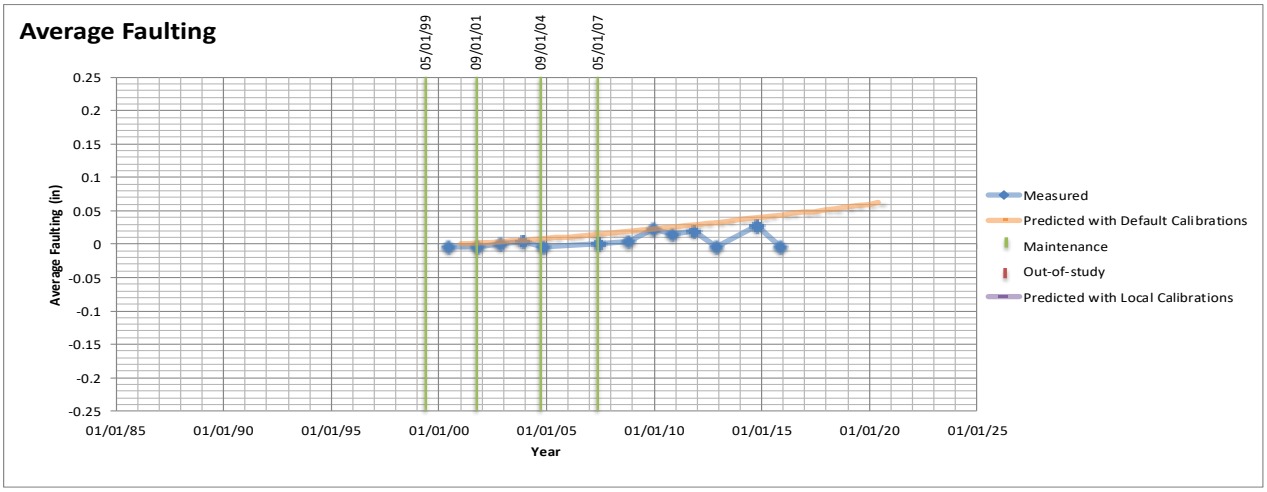


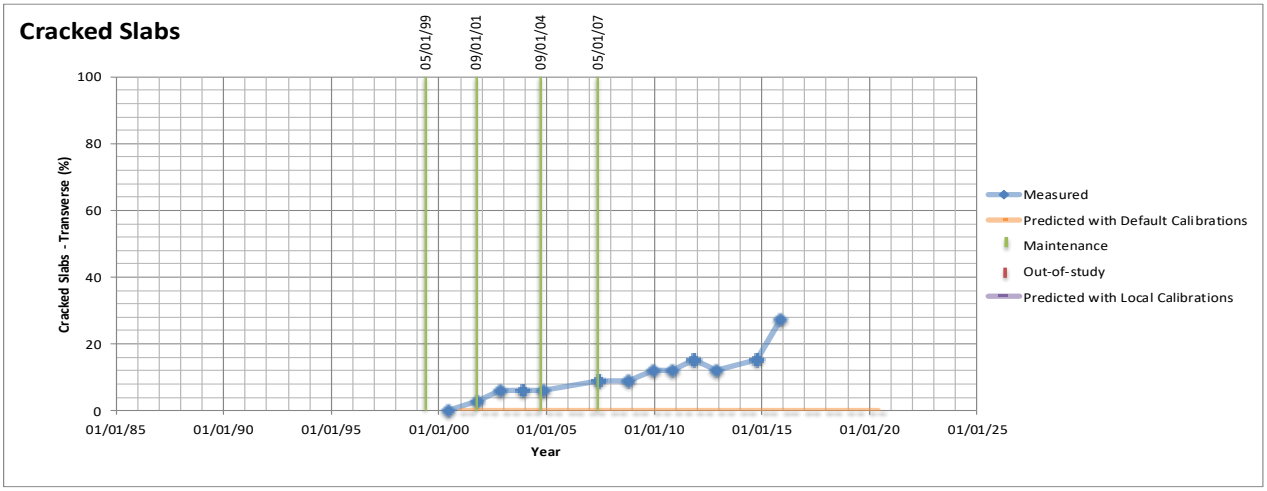


Date	Event
1-May-1999	In-study
1-May-2007	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing

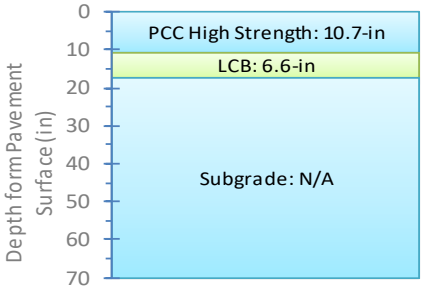


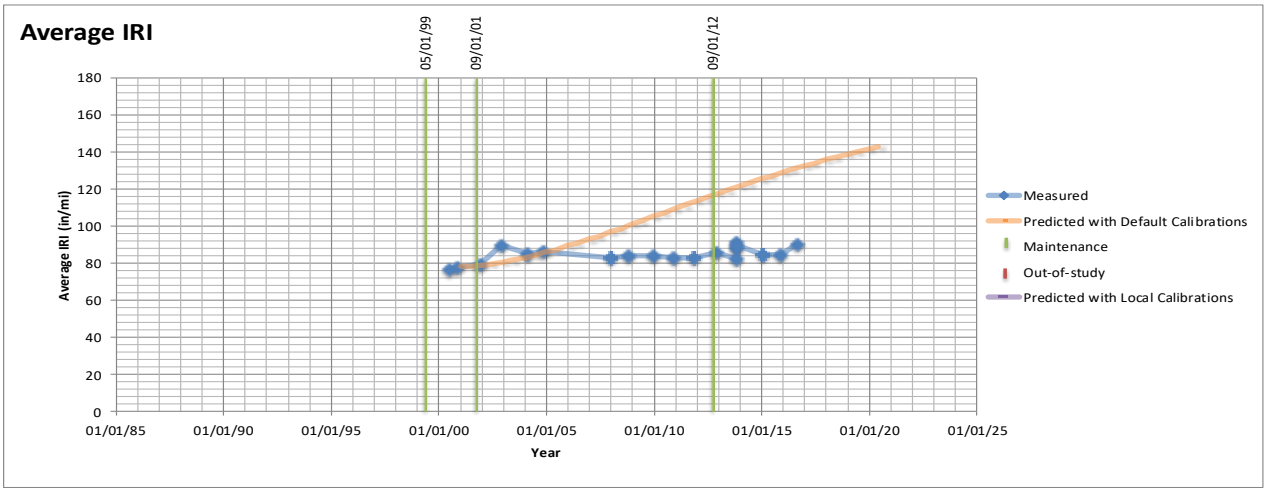


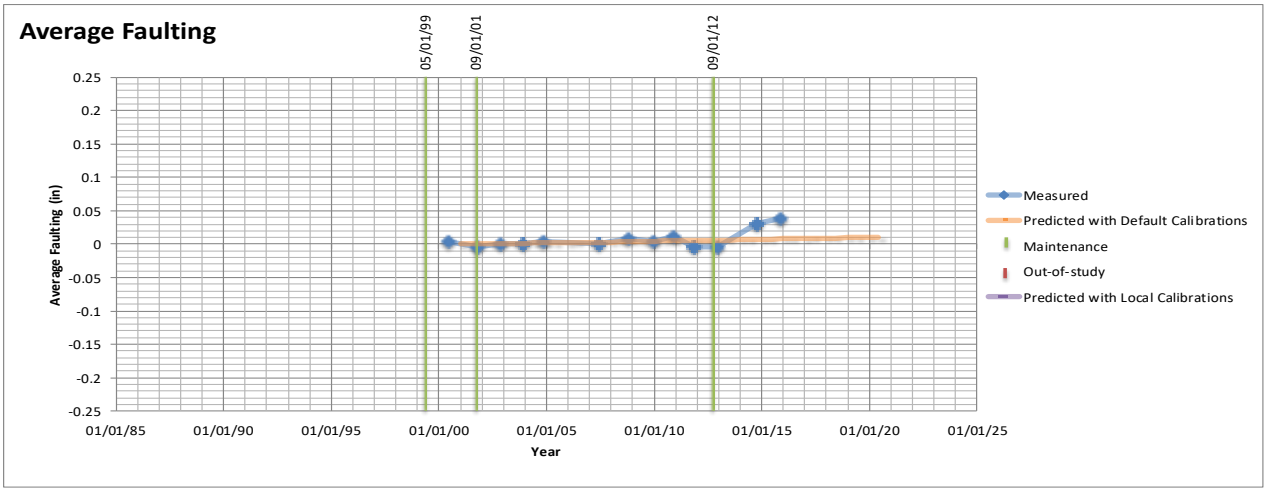


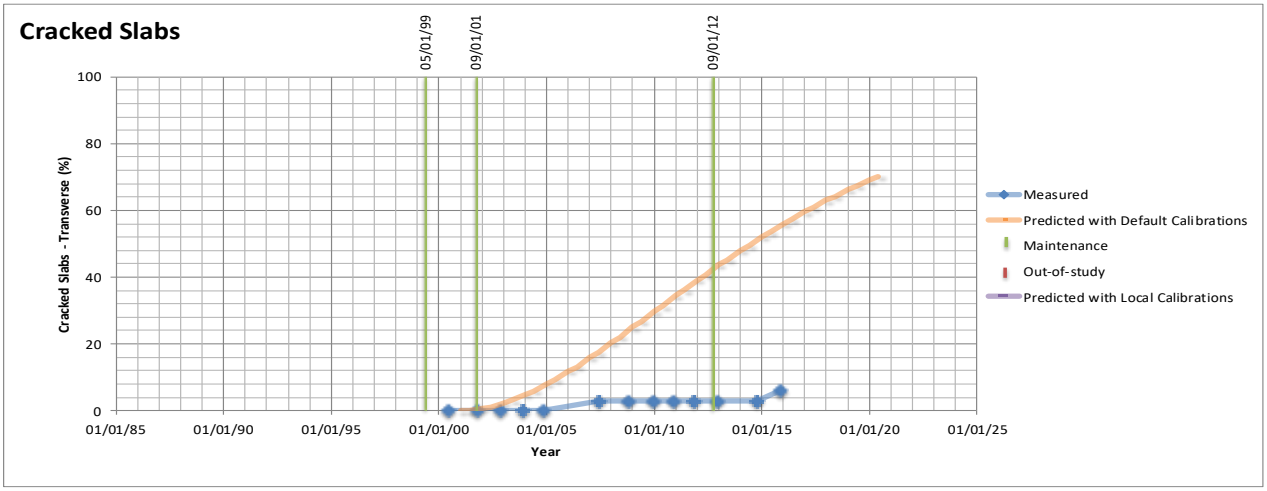


Date	Event
1-May-1999	In-study
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing
1-Sep-2004	Lane-Shoulder Longitudinal Joint Sealing
1-May-2007	Lane-Shoulder Longitudinal Joint Sealing

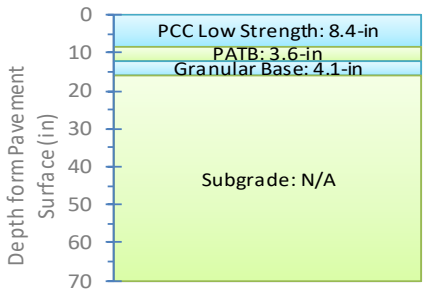


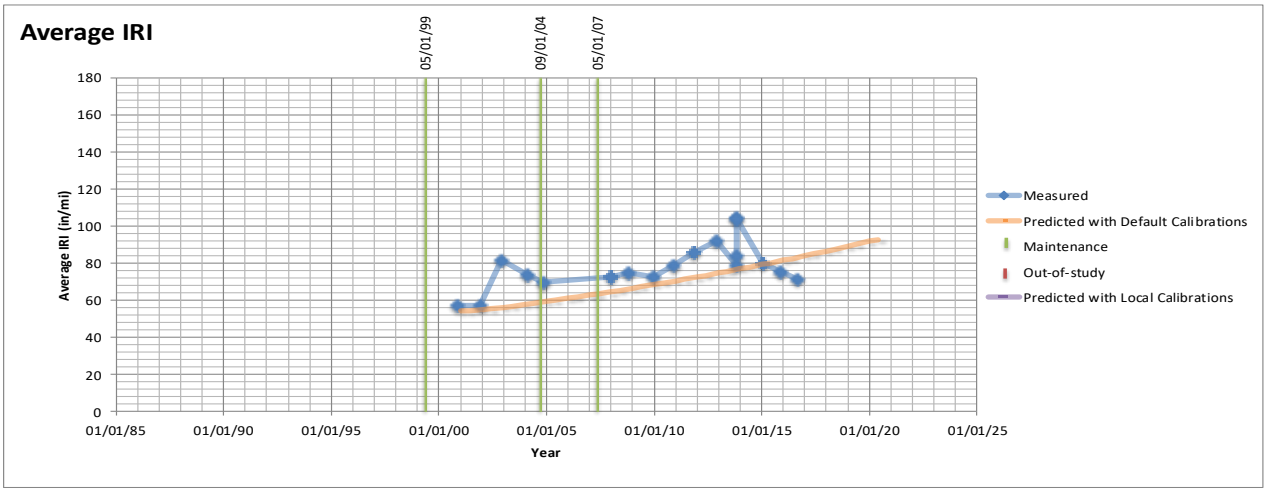


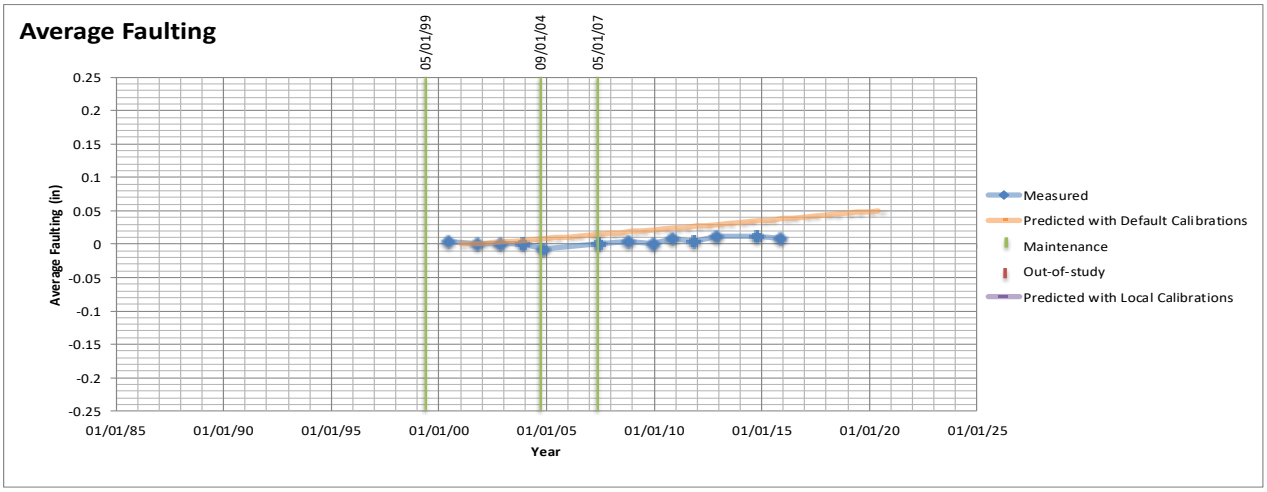


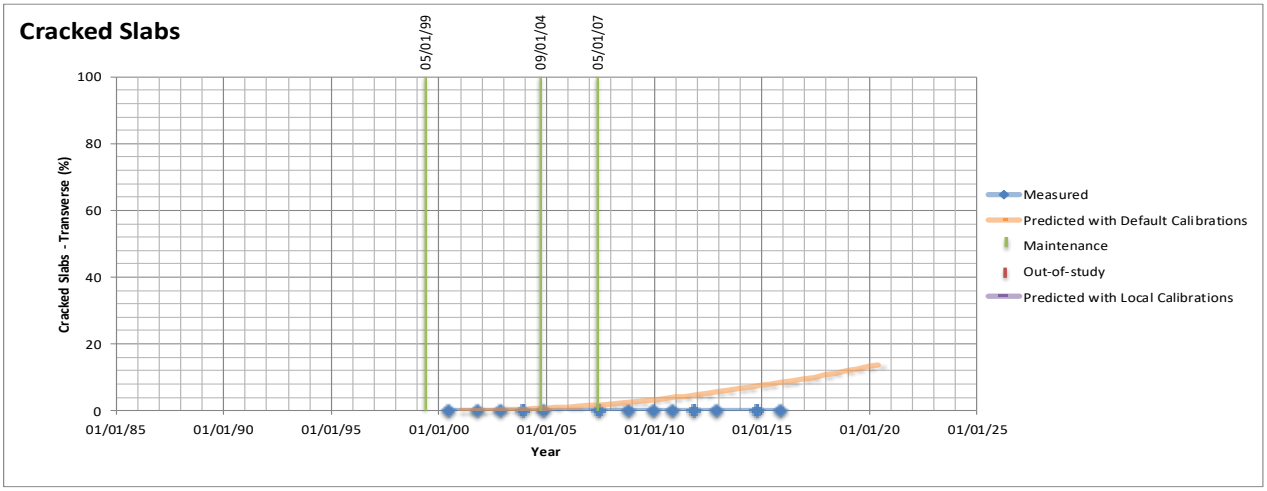


Date	Event
1-May-1999	In-study
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing
1-Sep-2012	Partial depth patching of PCC pavements at joints

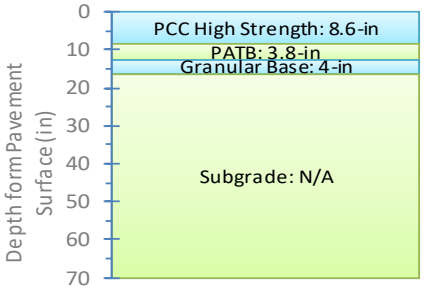


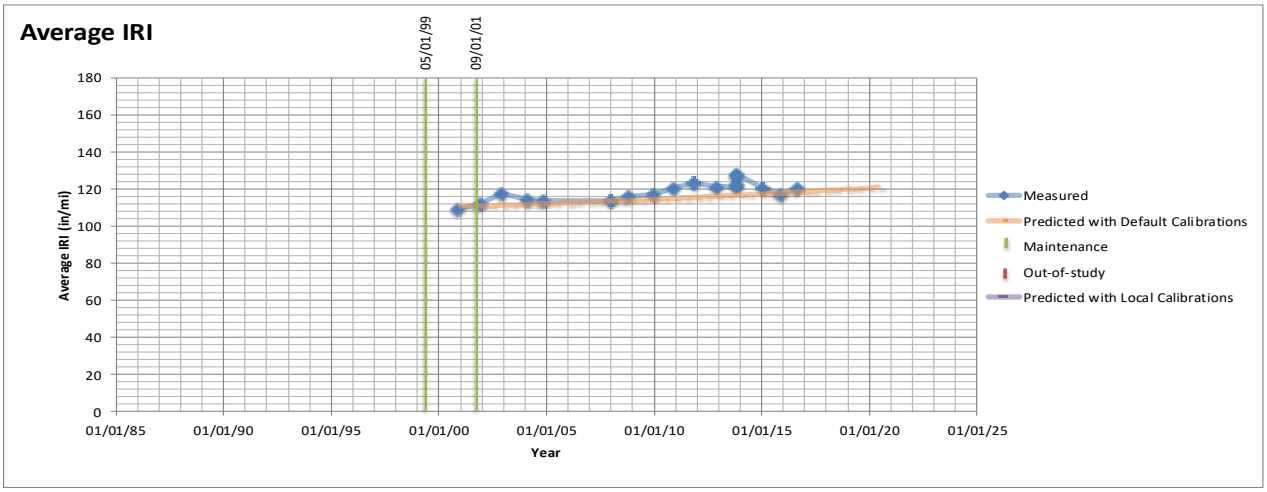


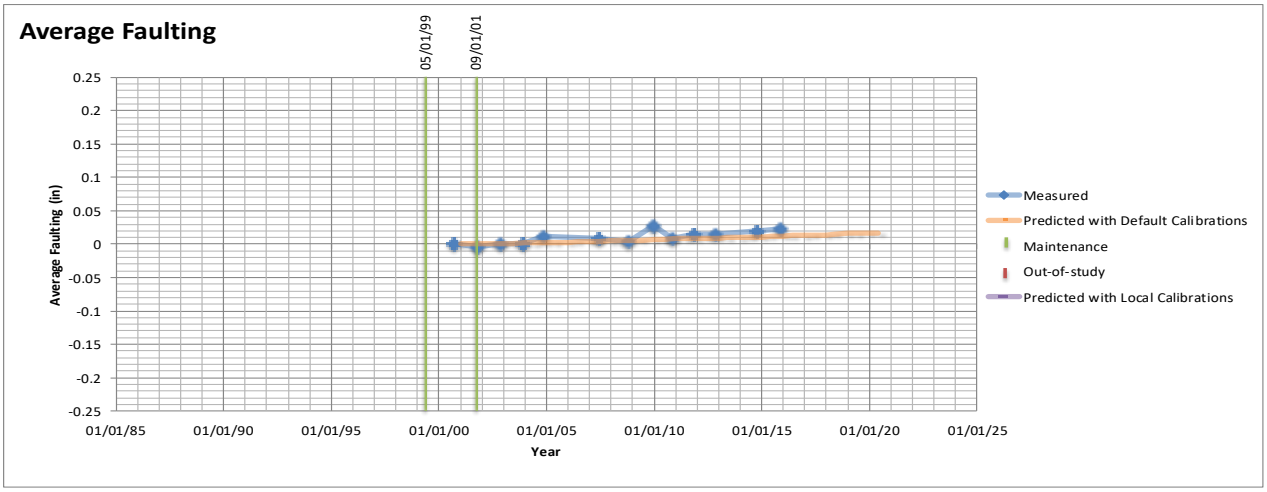


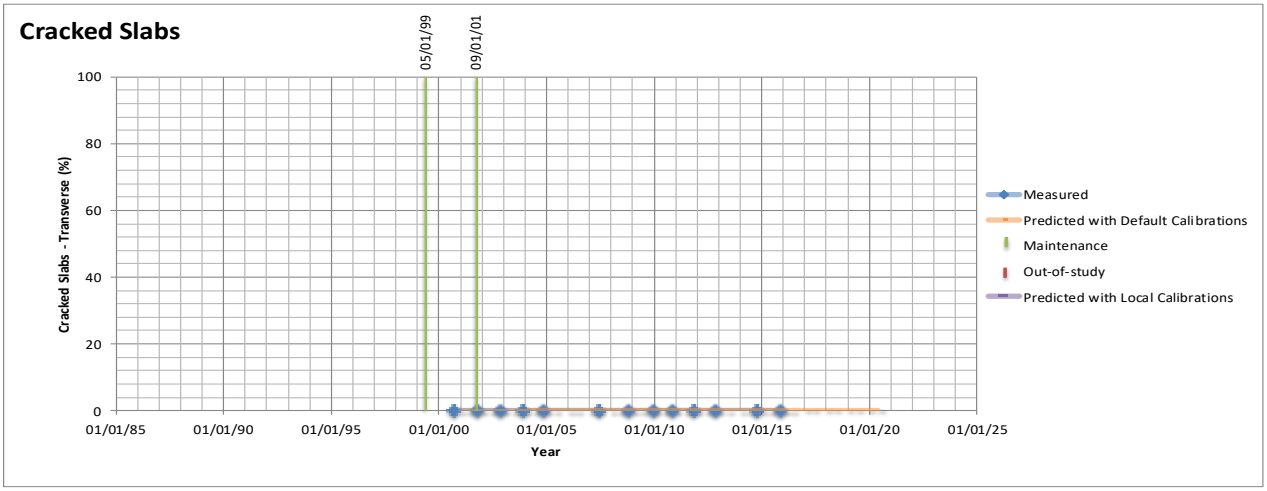


Date	Event
1-May-1999	In-study
1-Sep-2004	Lane-Shoulder Longitudinal Joint Sealing
1-May-2007	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing

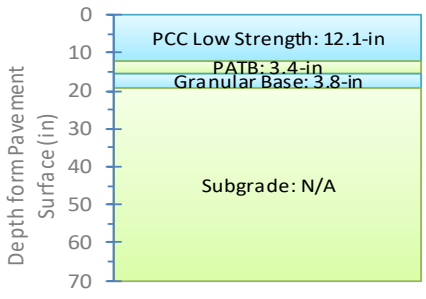


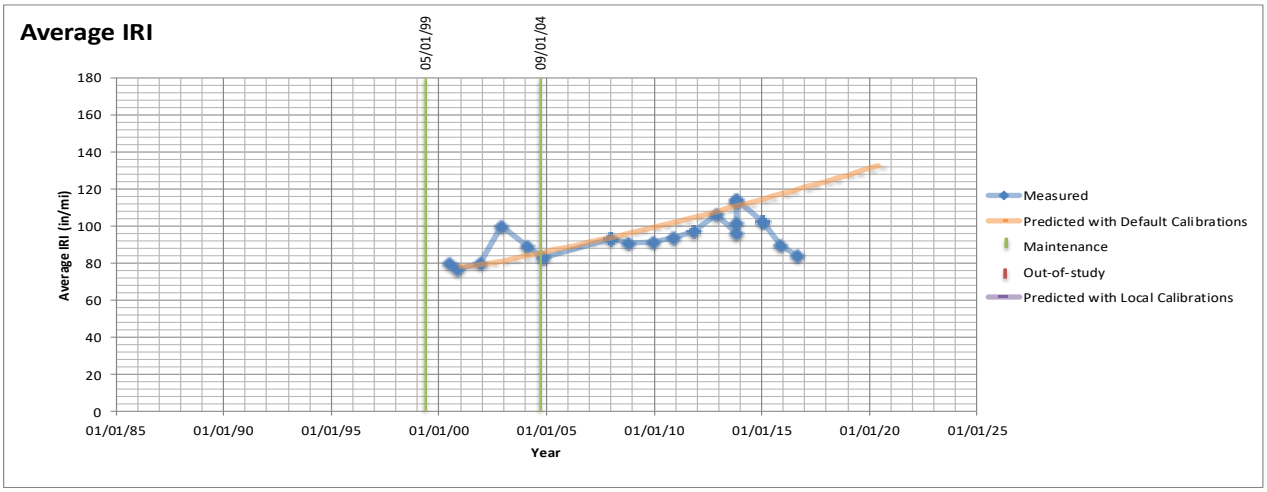


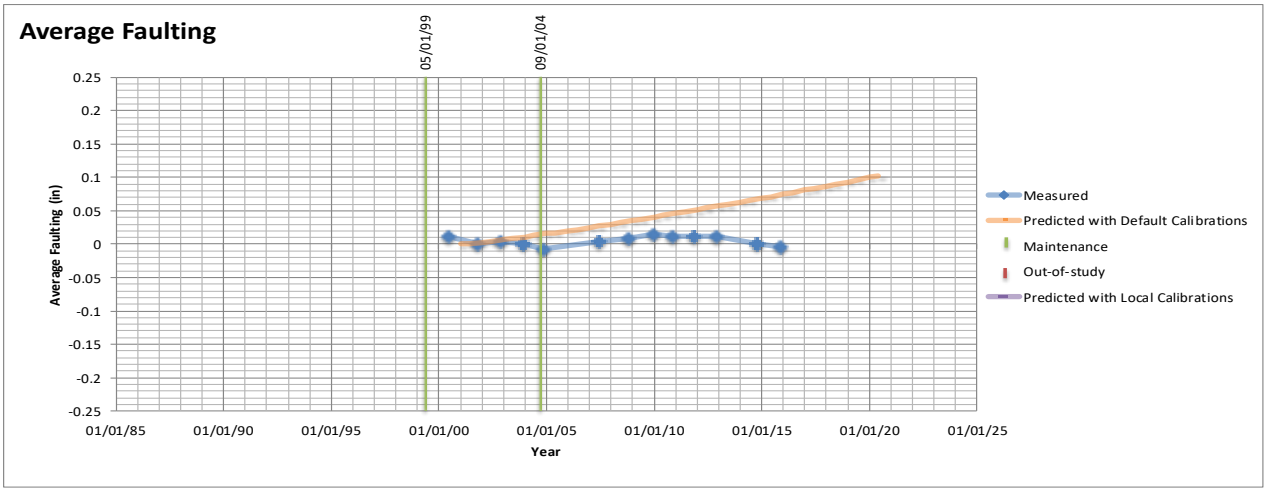


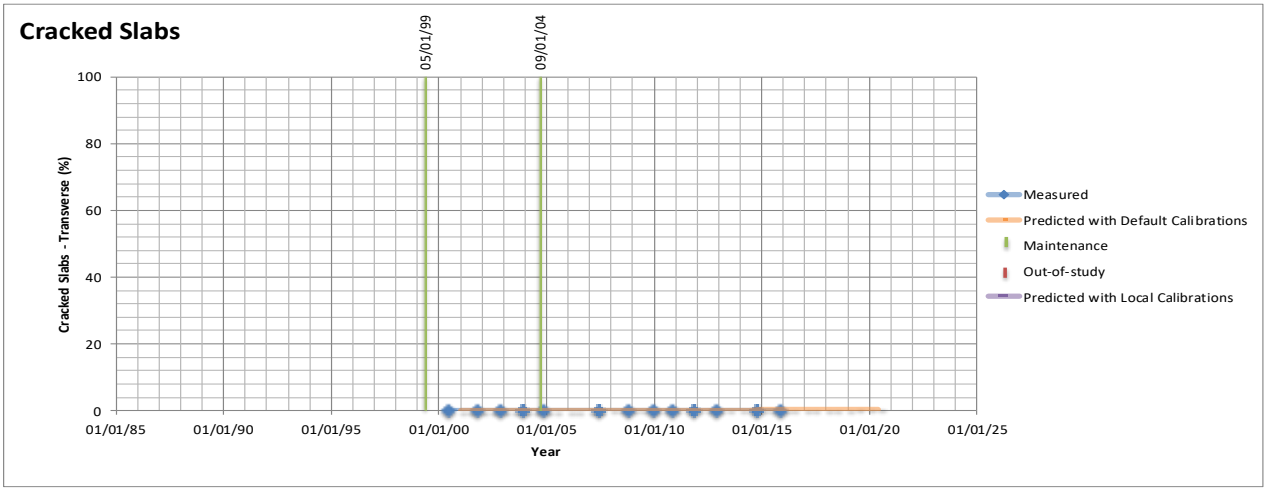


Date	Event
1-May-1999	In-study
1-Sep-2001	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing

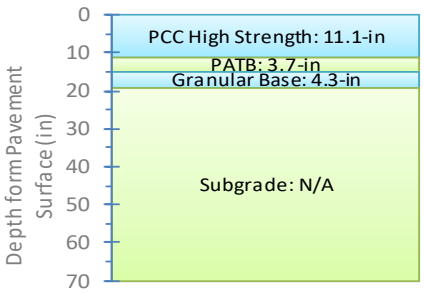




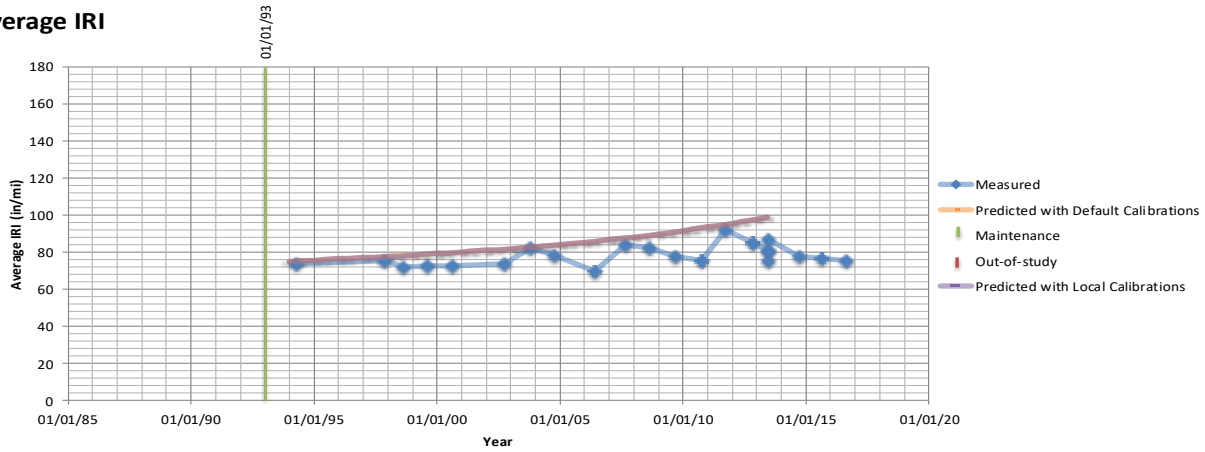




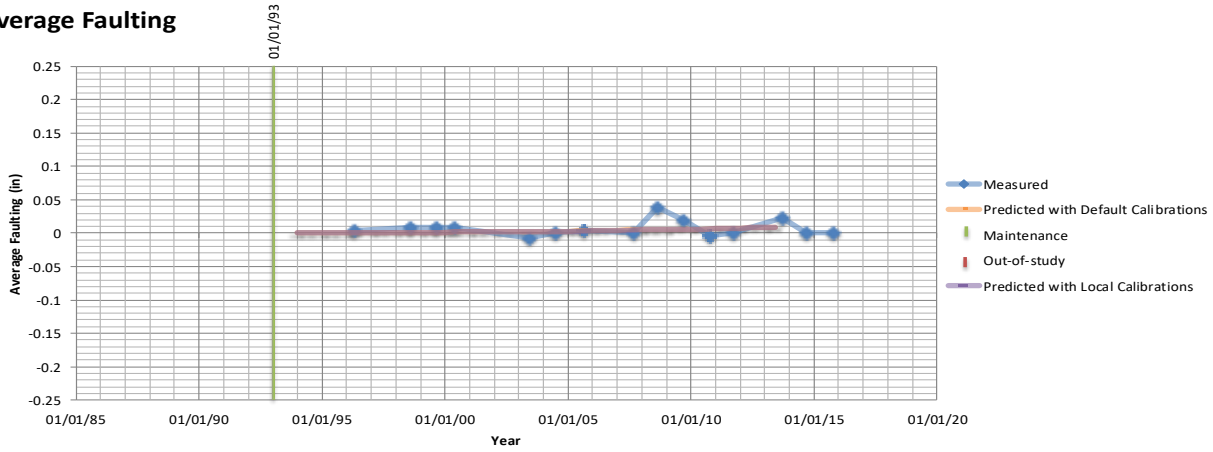
Date	Event
1-May-1999	In-study
1-Sep-2004	Lane-Shoulder Longitudinal Joint Sealing



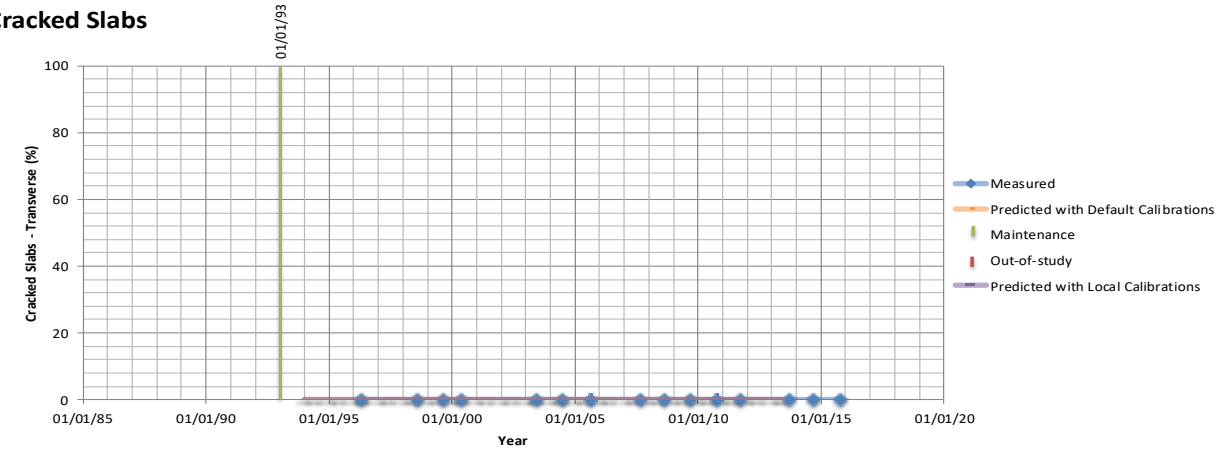
Average IRI



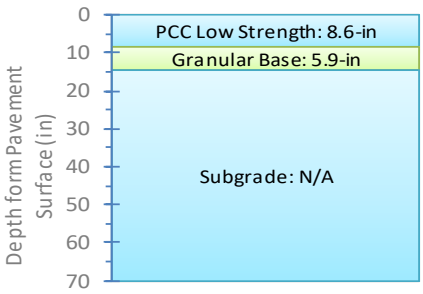
Average Faulting



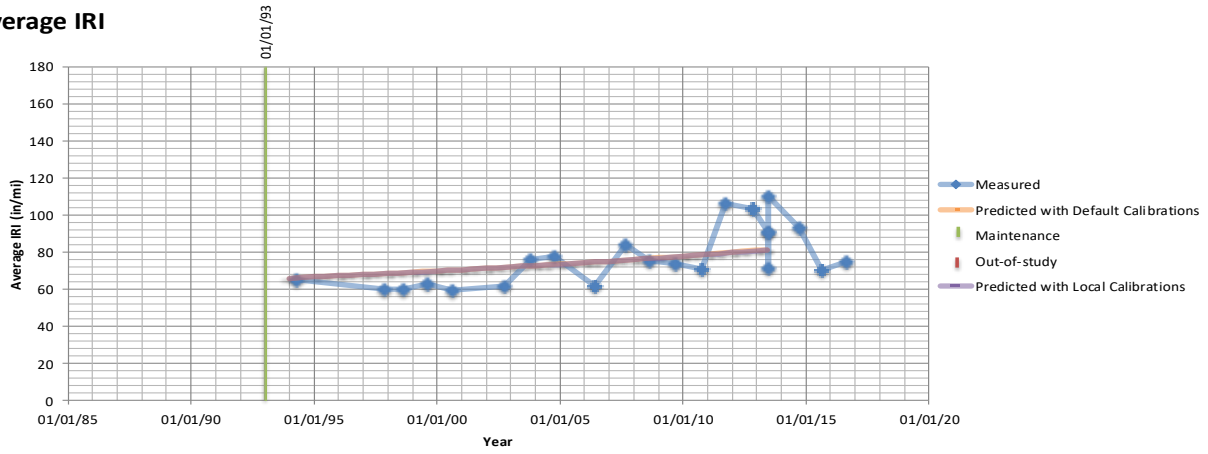
Cracked Slabs



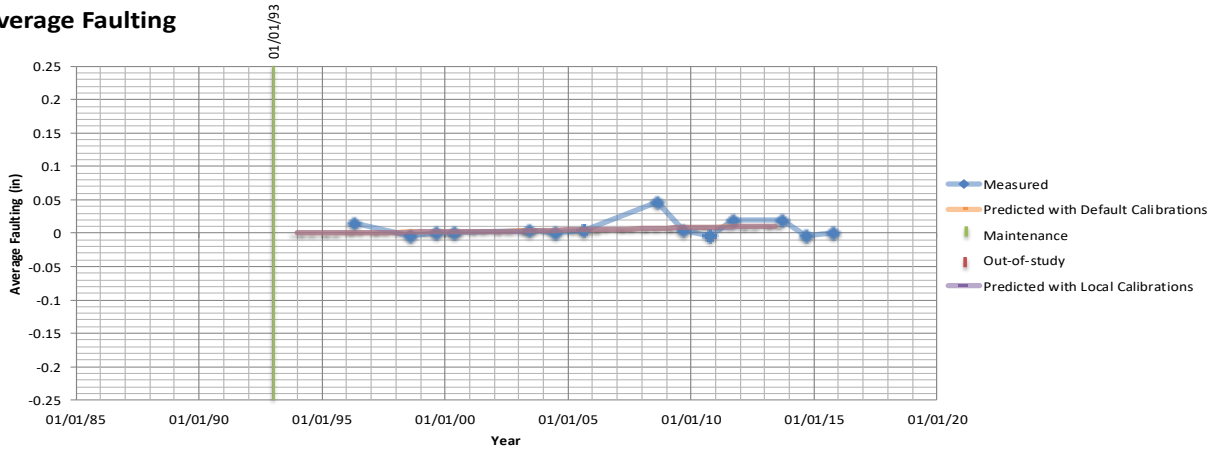
Date	Event
1-Jan-1993	In-study



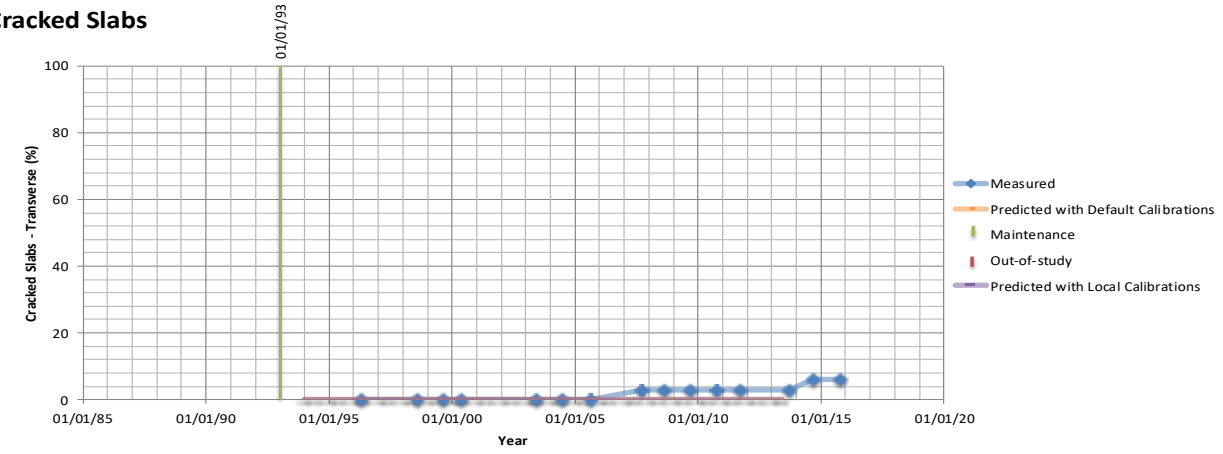
Average IRI



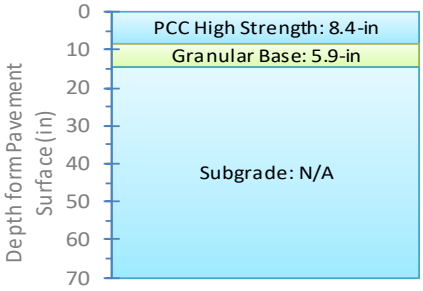
Average Faulting

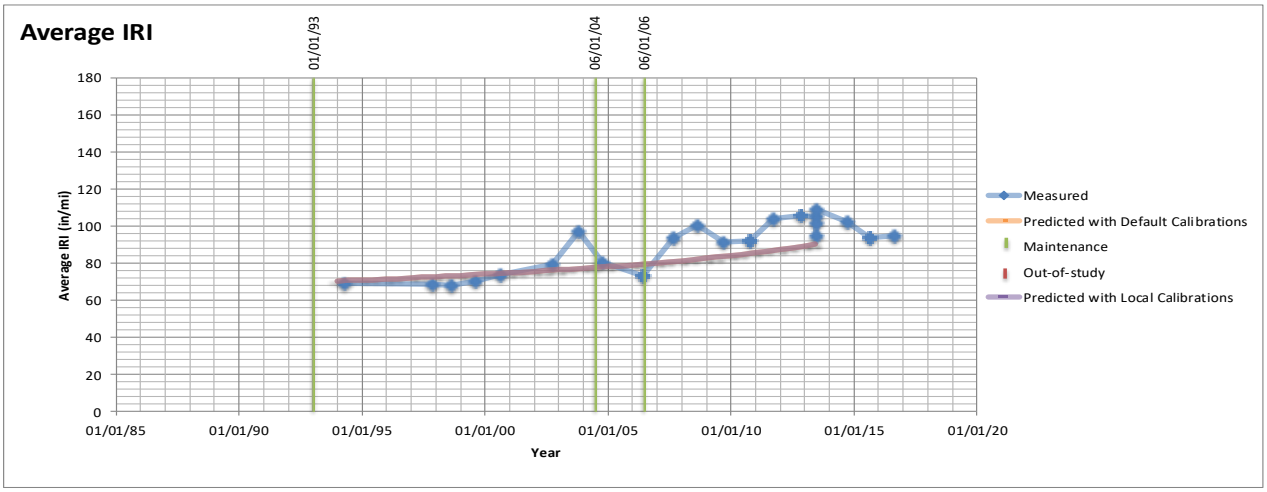


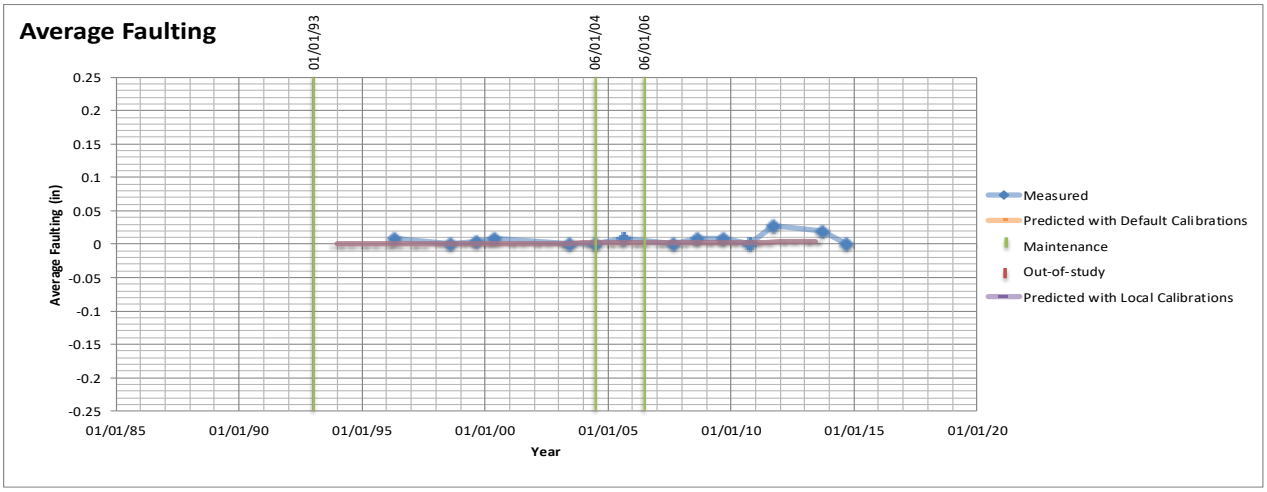
Cracked Slabs

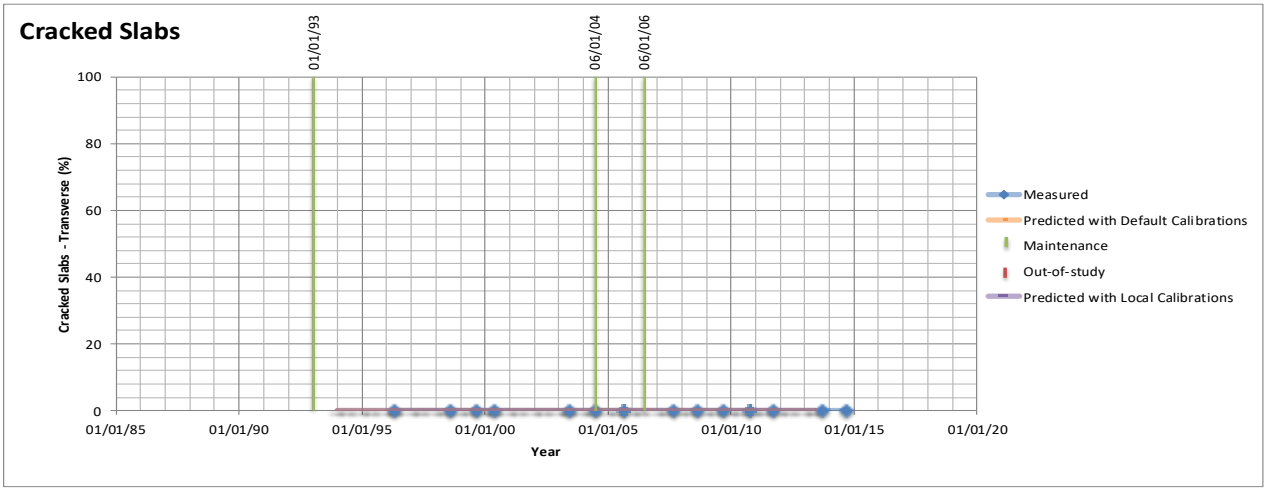


Date	Event
1-Jan-1993	In-study

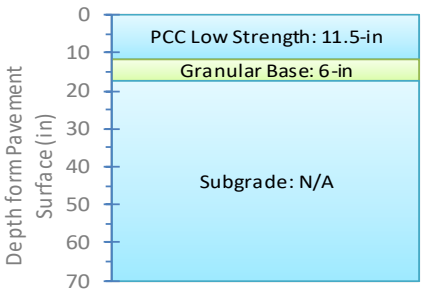


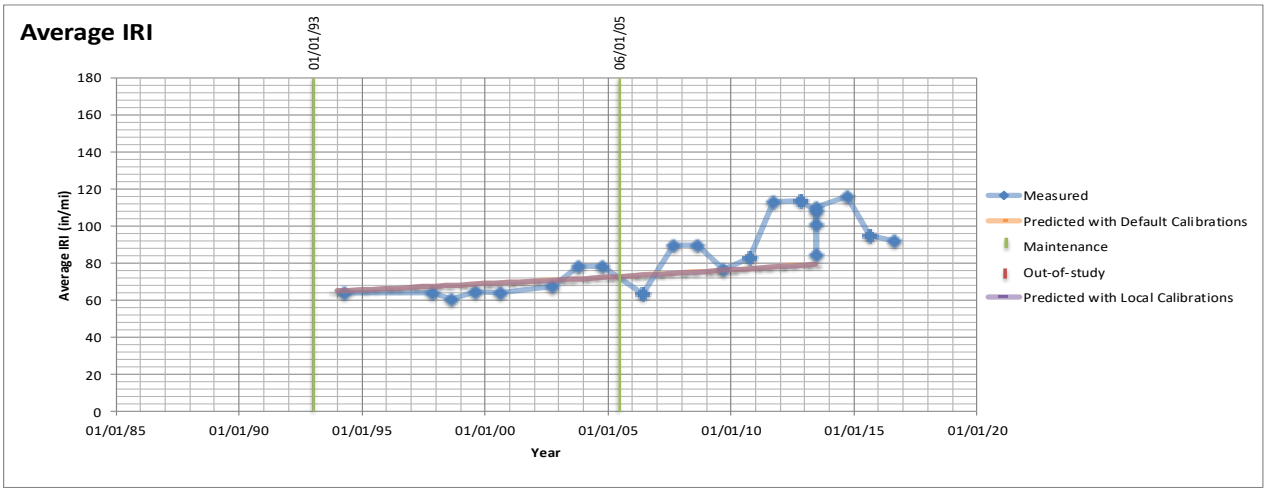


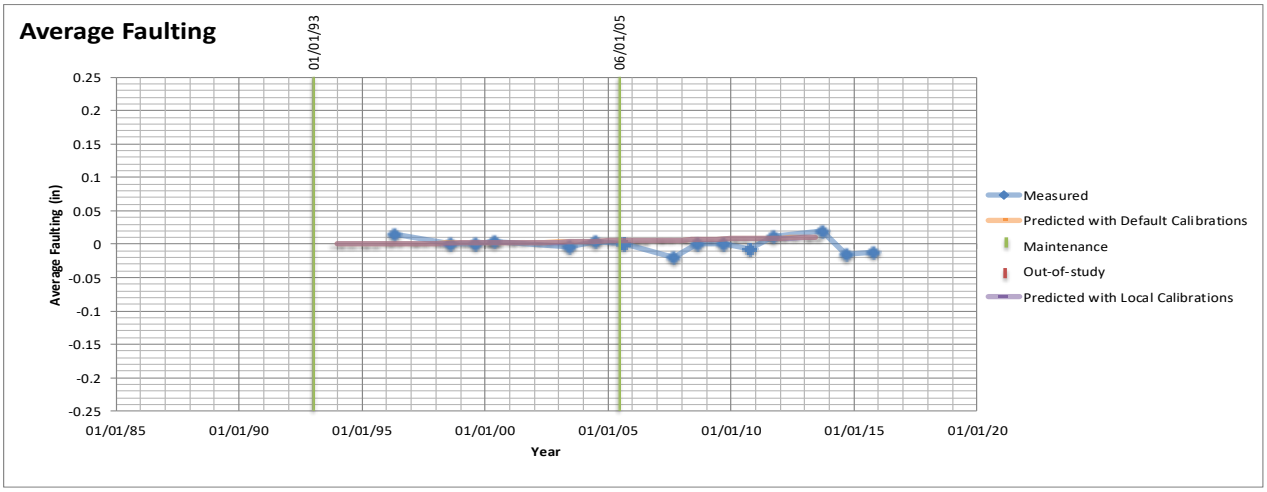


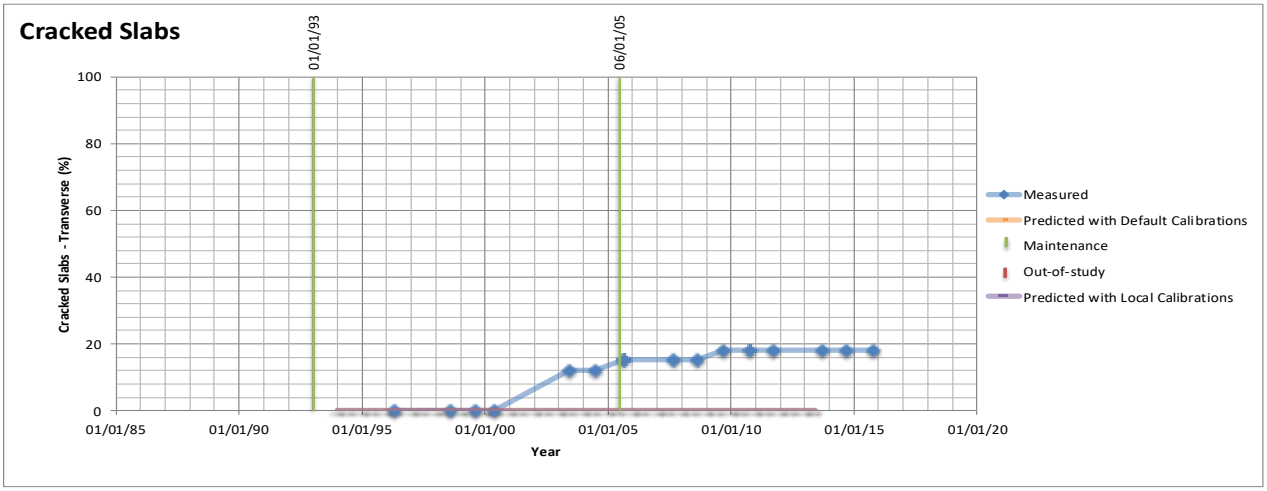


Date	Event
1-Jan-1993	In-study
1-Jun-2004	Partial depth patching of PCC pavements at joints
1-Jun-2006	Partial depth patching of PCC pavements at joints

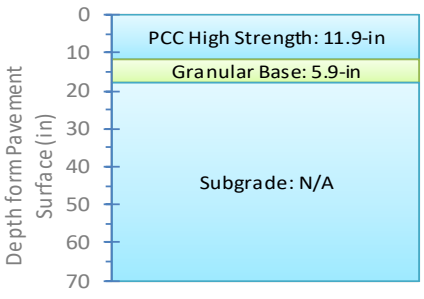


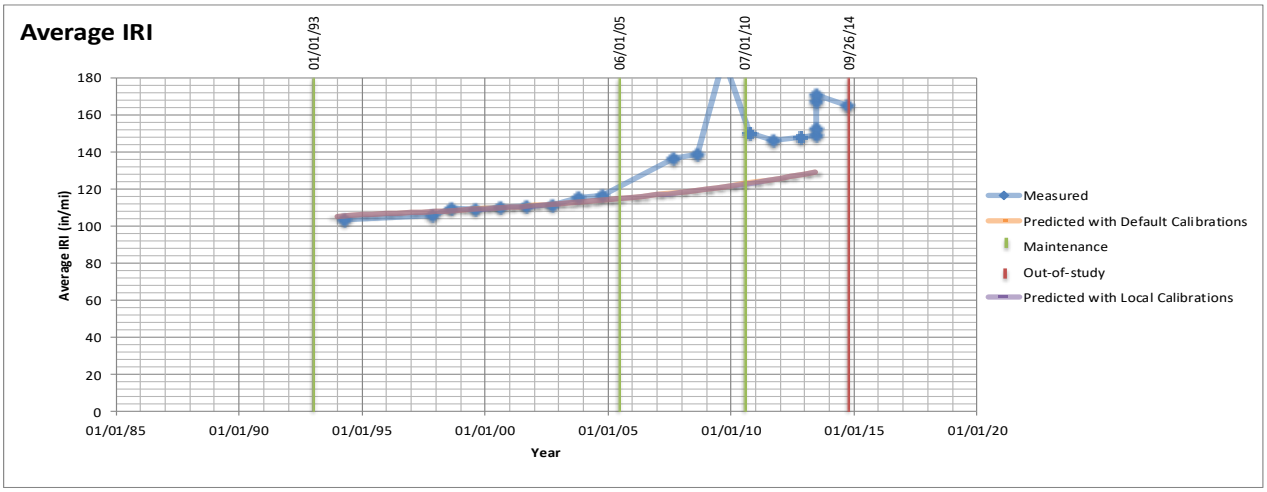


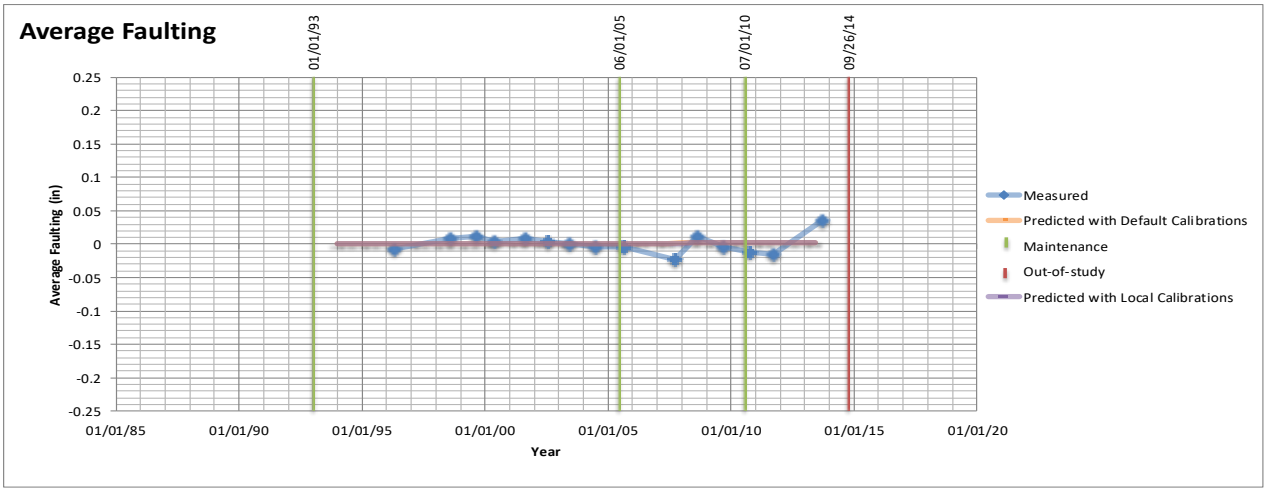


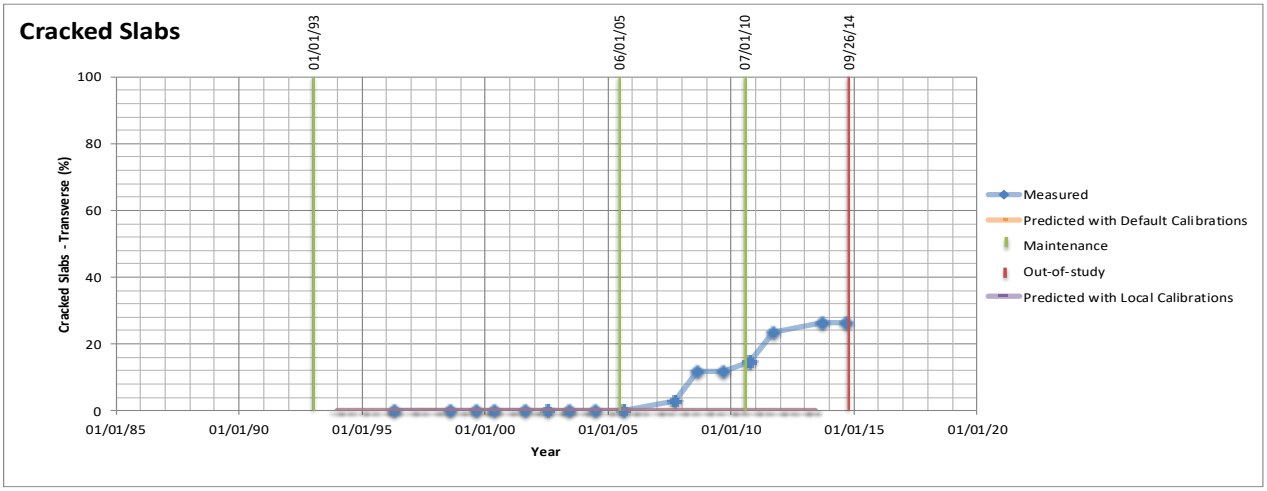


Date	Event
1-Jan-1993	In-study
1-Jun-2005	Partial Depth Patching of PCC Pavement Other Than at Joint

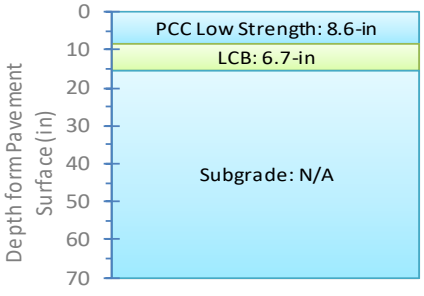


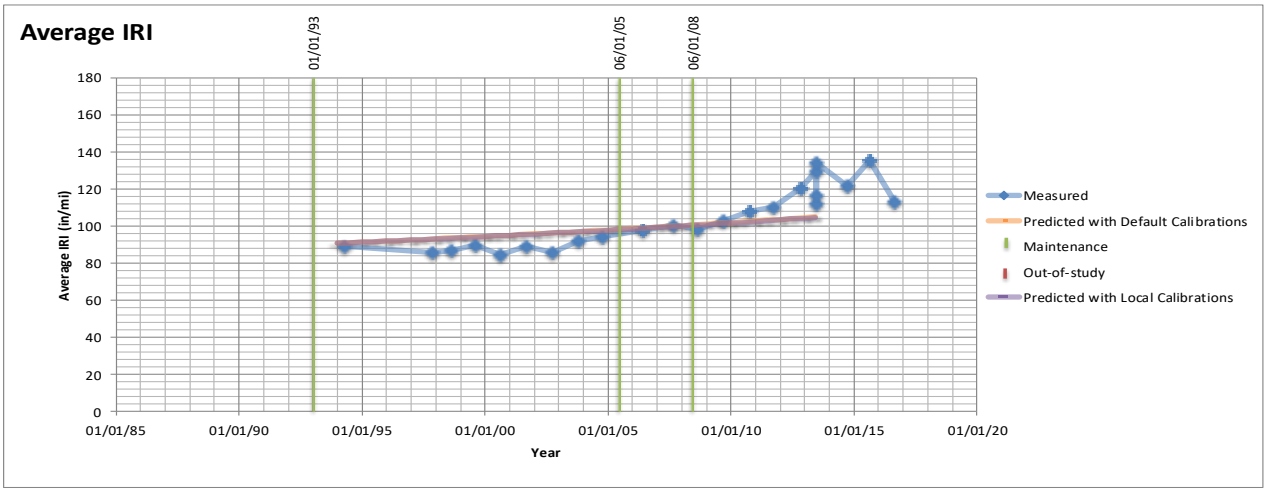


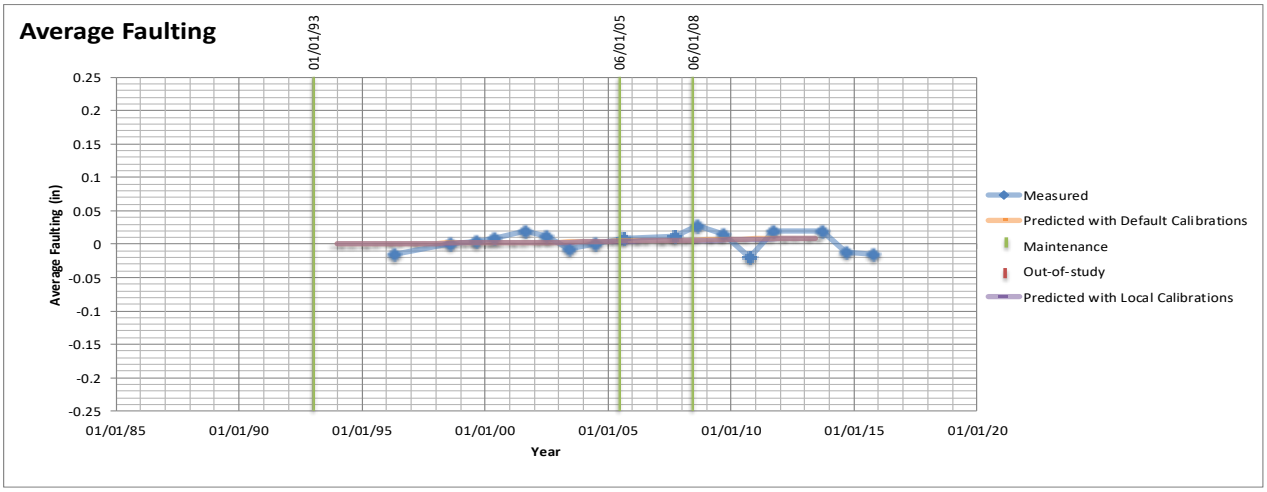


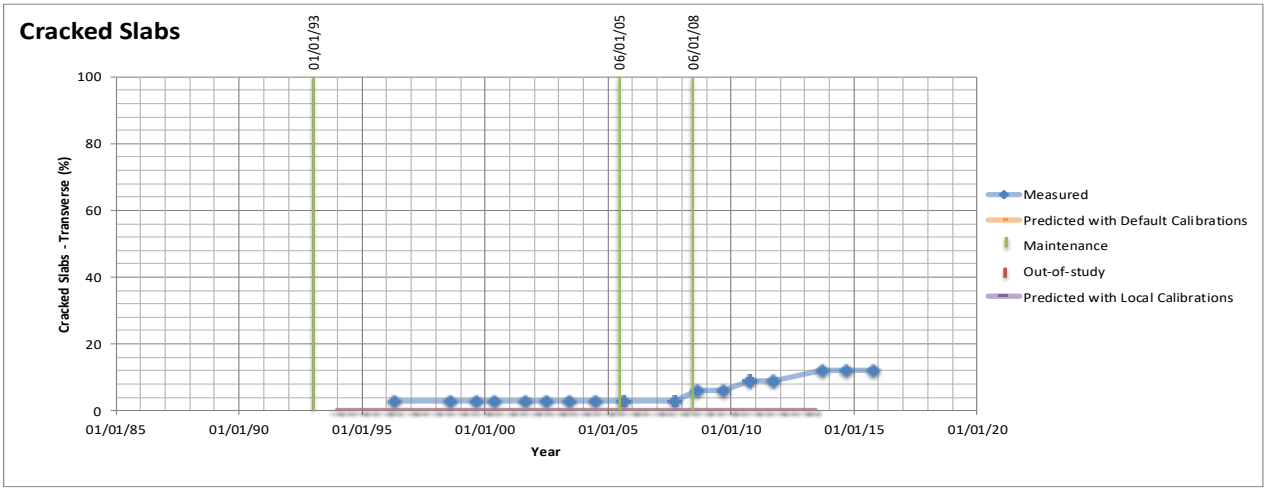


Date	Event
1-Jan-1993	In-study
1-Jun-2005	Partial depth patching of PCC pavements at joints
1-Jul-2010	Partial Depth Patching of PCC Pavement Other Than at Joint
26-Sep-2014	Out-of-study

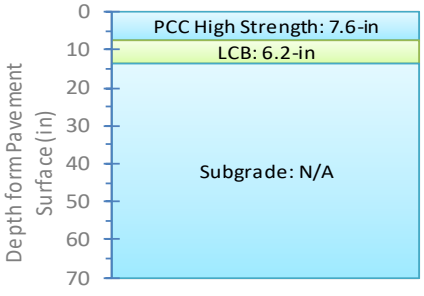




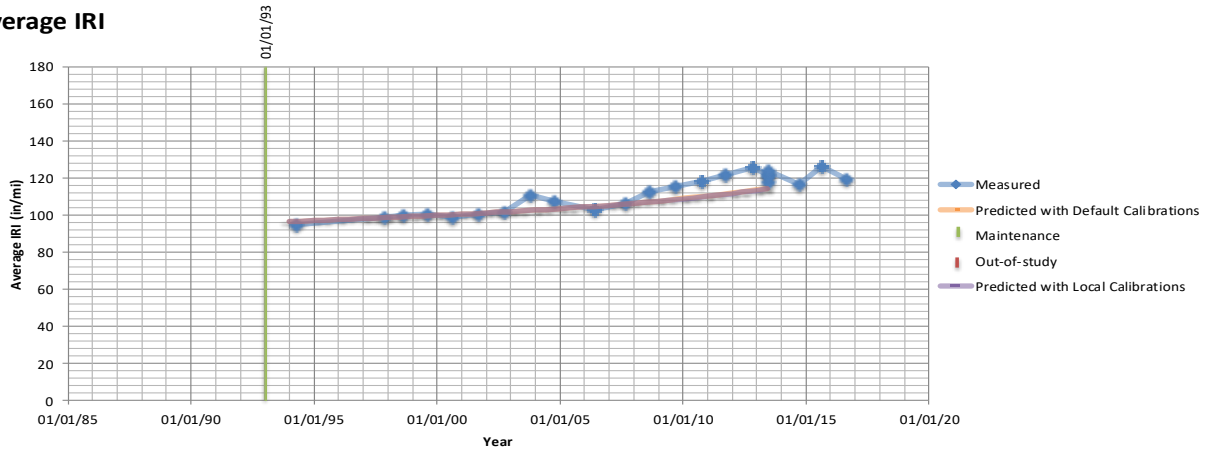




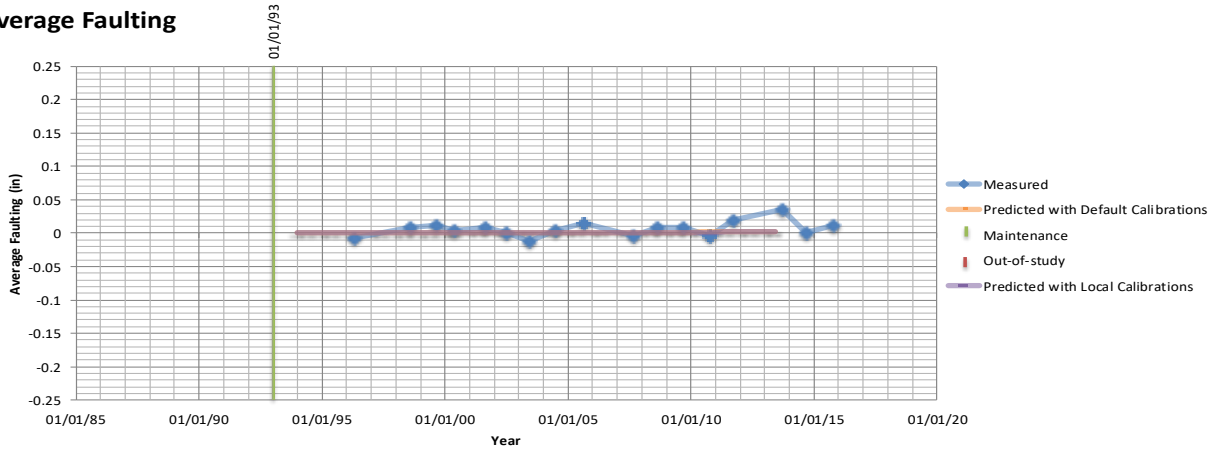
Date	Event
1-Jan-1993	In-study
1-Jun-2005	Partial depth patching of PCC pavements at joints
1-Jun-2008	Partial depth patching of PCC pavements at joints



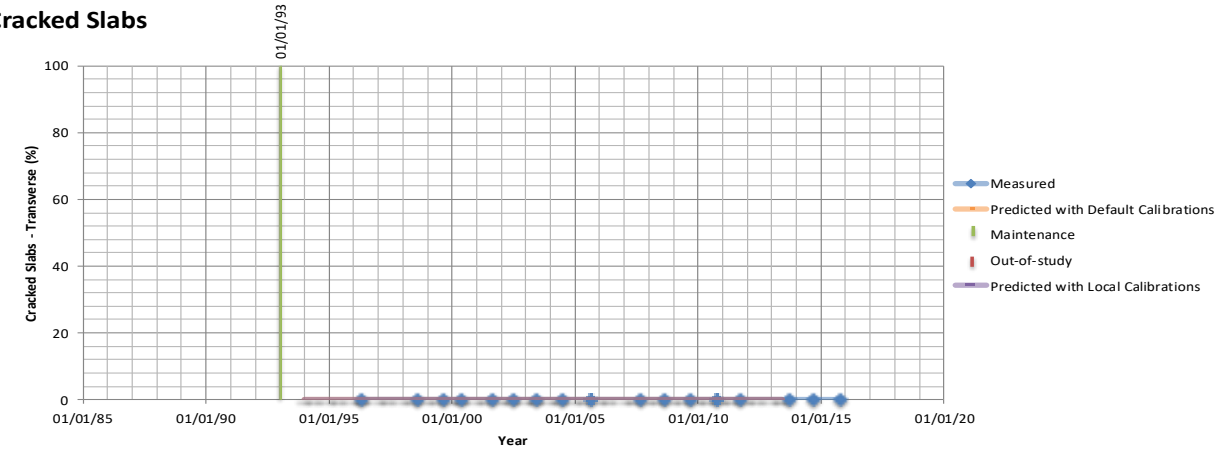
Average IRI



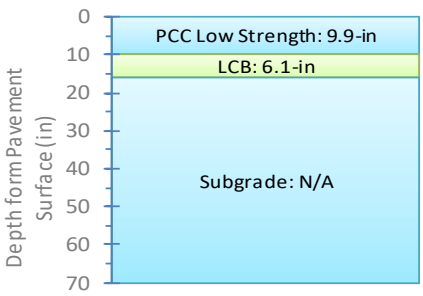
Average Faulting



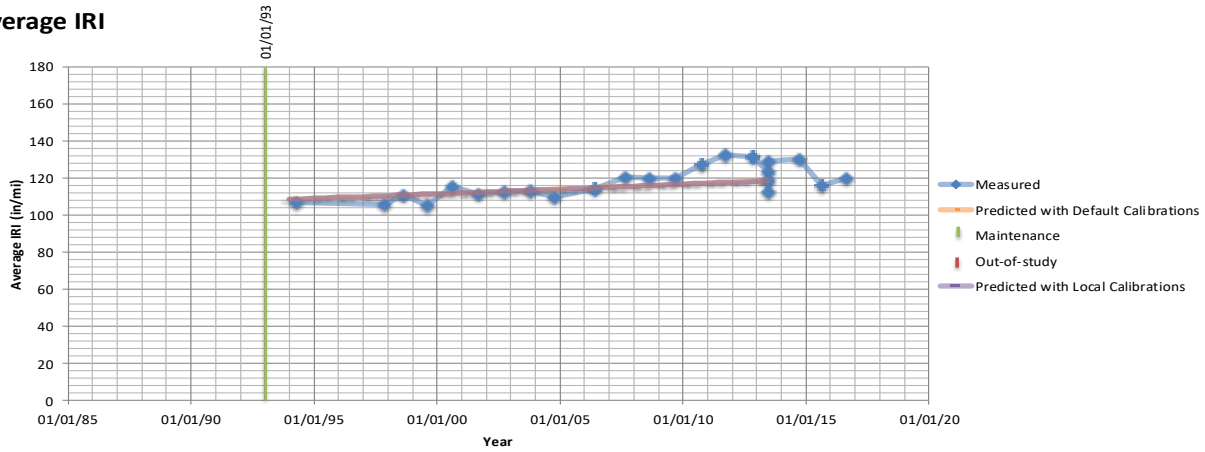
Cracked Slabs



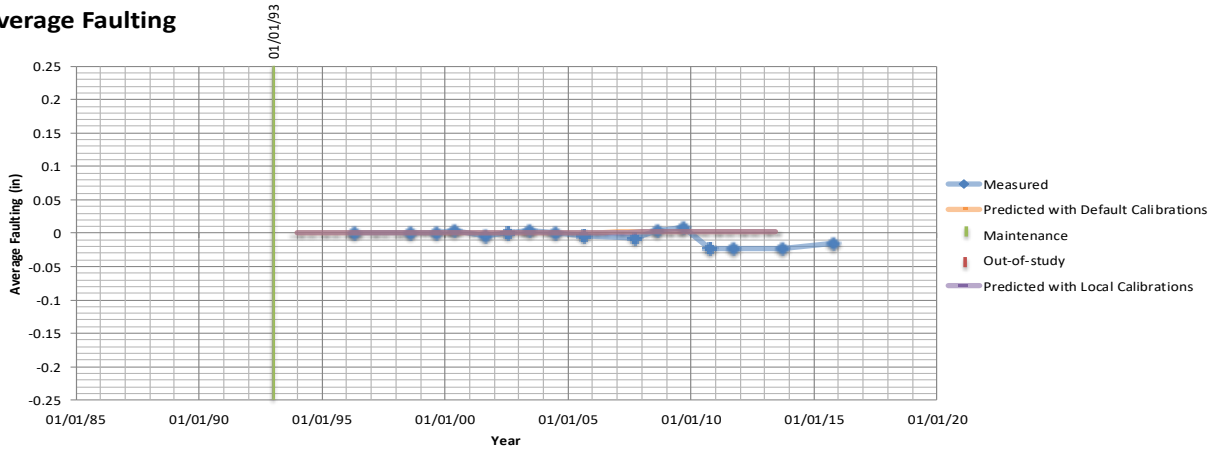
Date	Event
1-Jan-1993	In-study



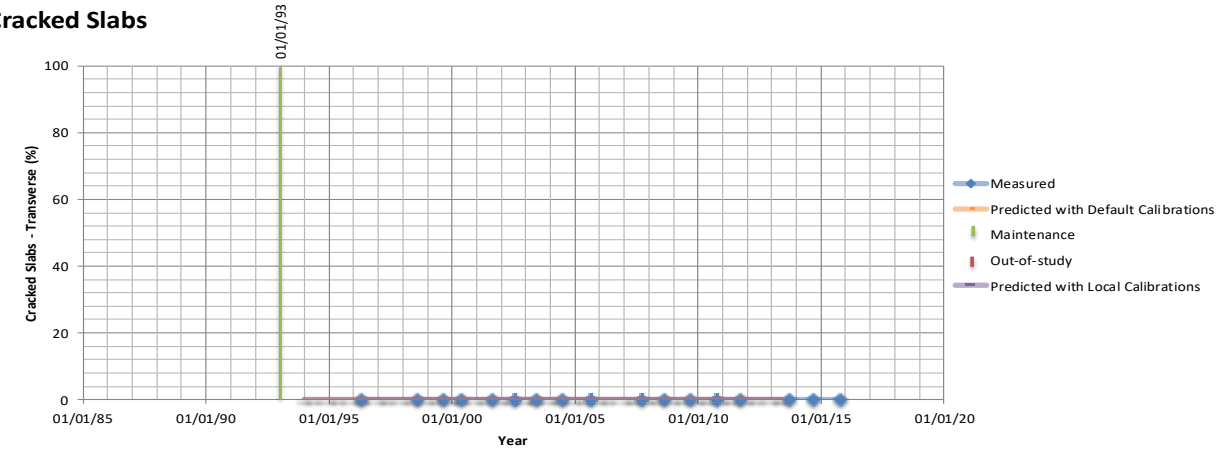
Average IRI



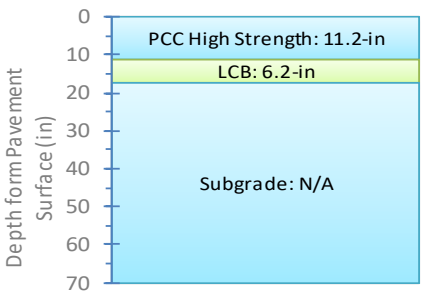
Average Faulting



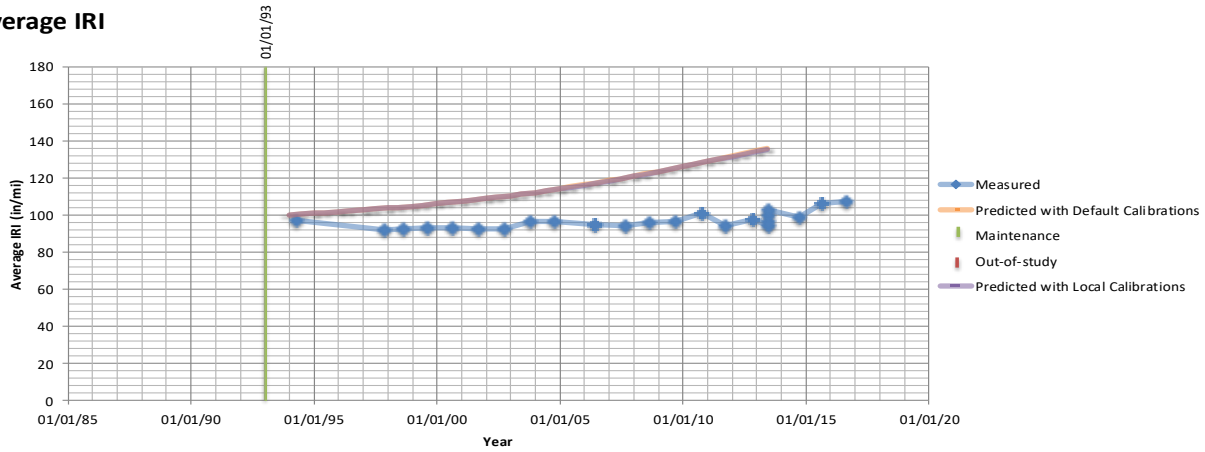
Cracked Slabs



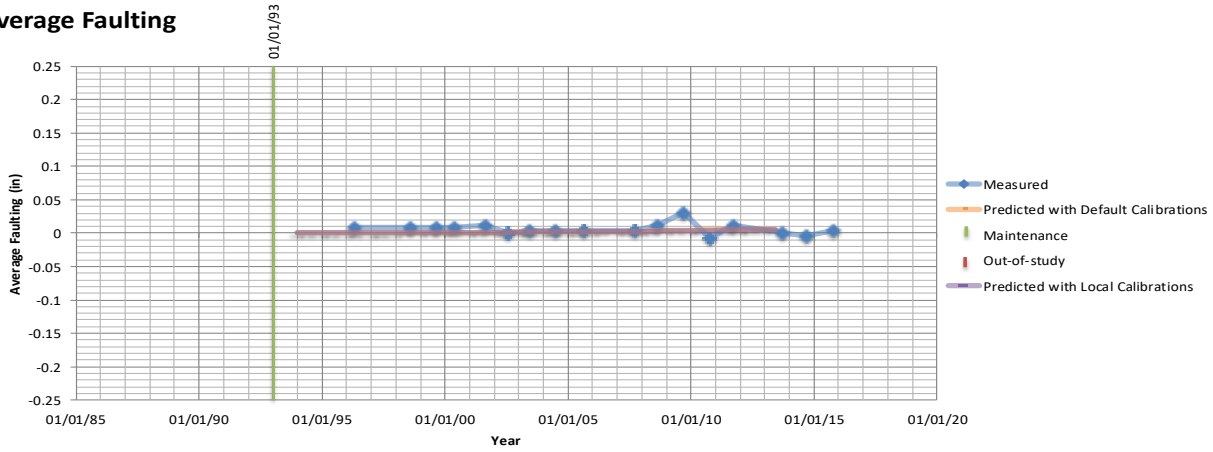
Date	Event
1-Jan-1993	In-study



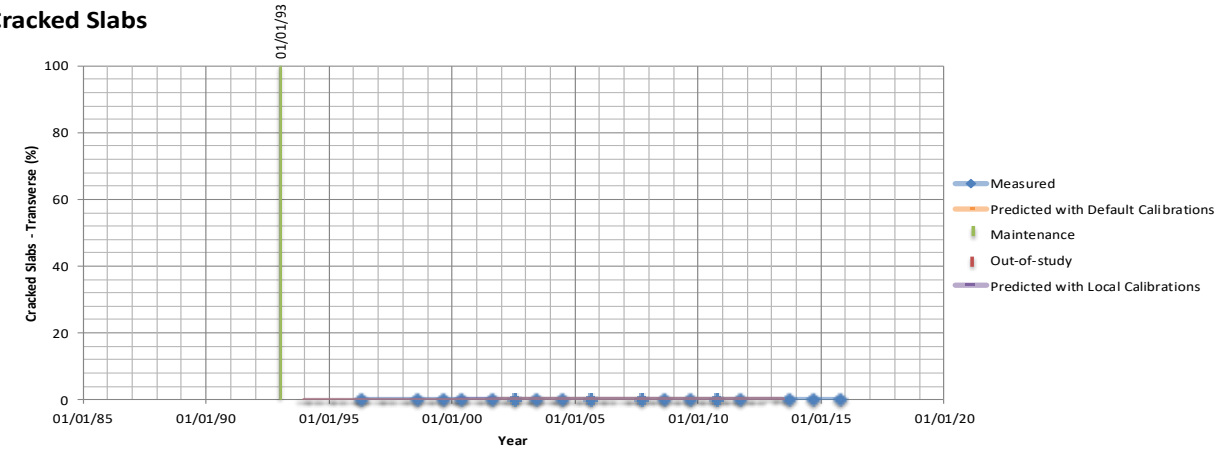
Average IRI



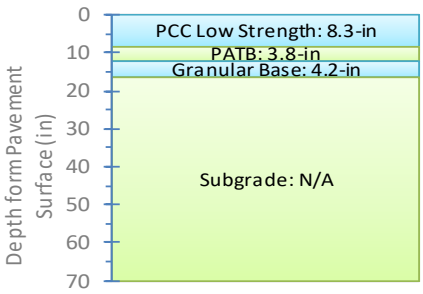
Average Faulting

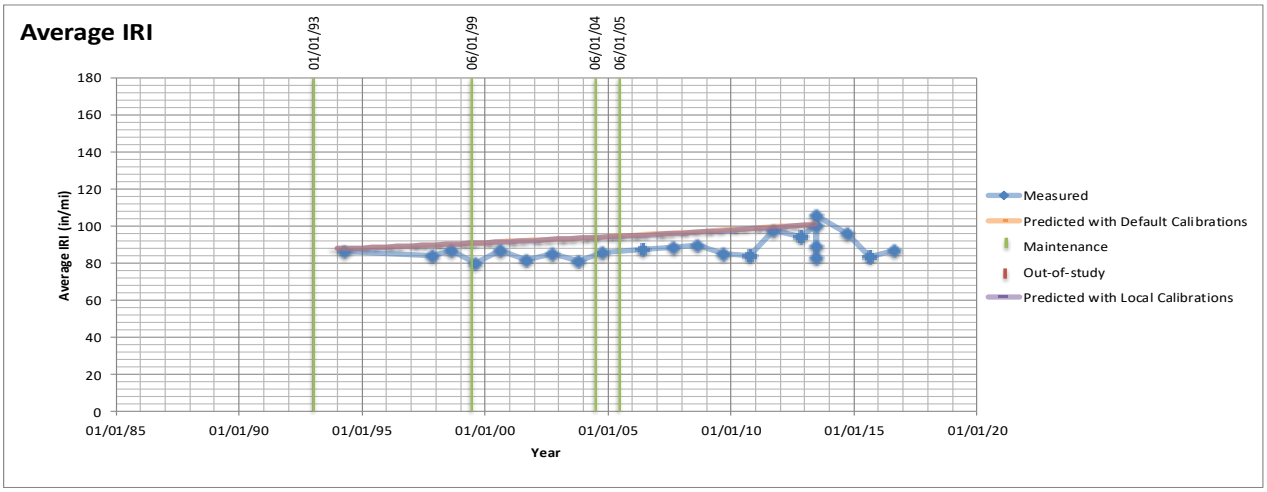


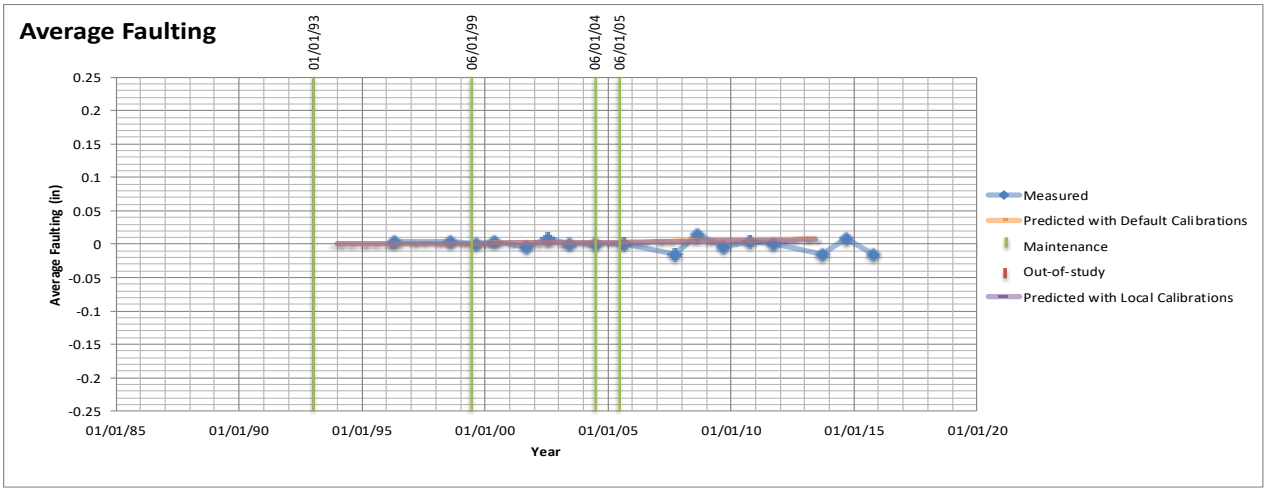
Cracked Slabs

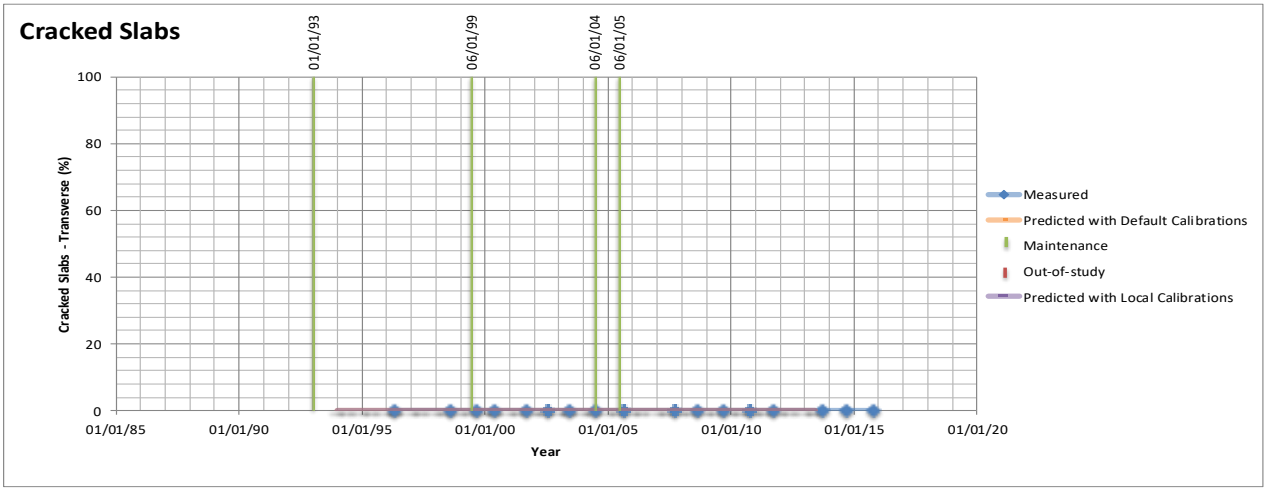


Date	Event
1-Jan-1993	In-study

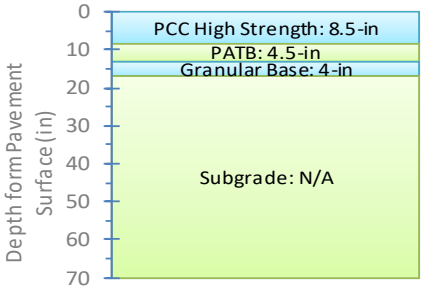




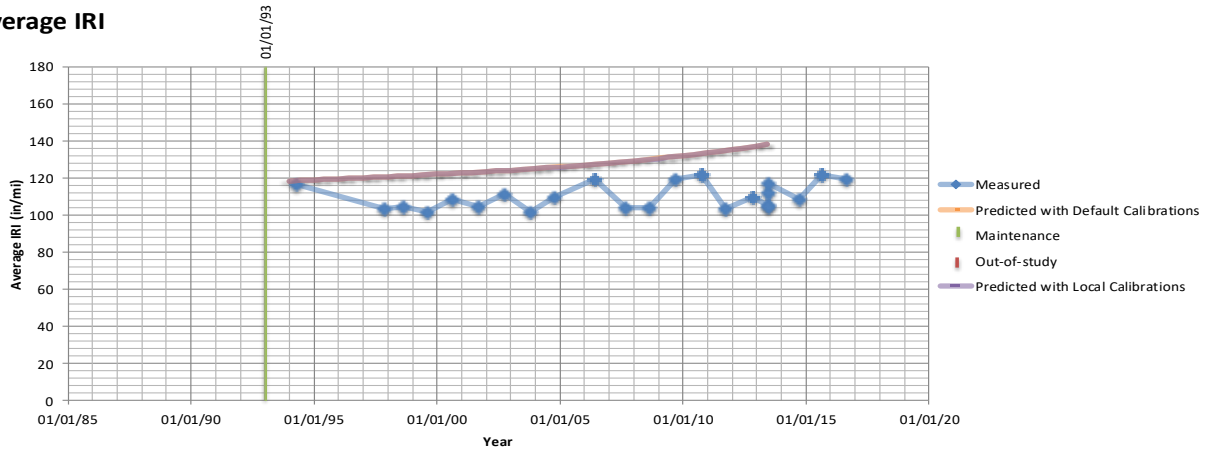




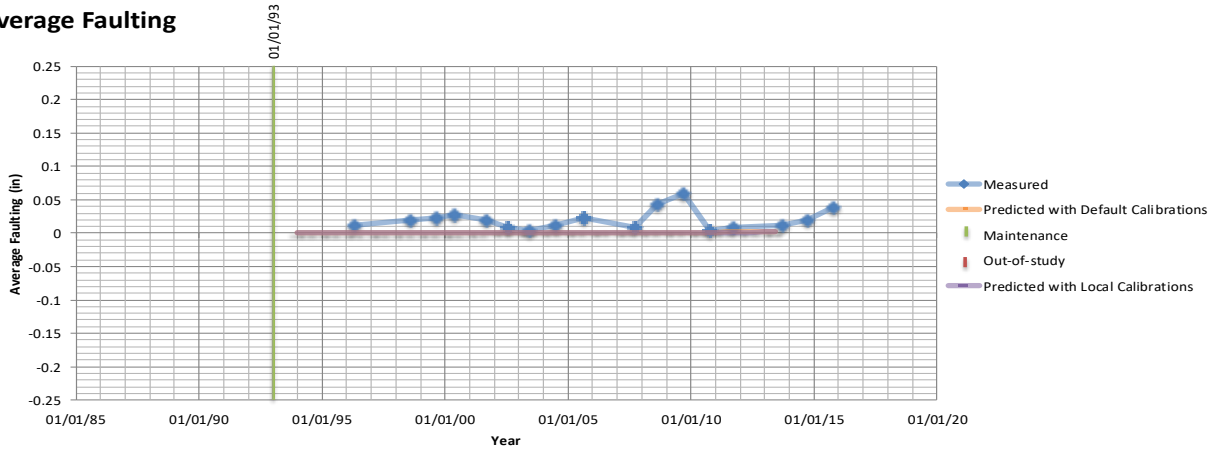
Date	Event
1-Jan-1993	In-study
1-Jun-1999	Partial depth patching of PCC pavements at joints
1-Jun-2004	Partial depth patching of PCC pavements at joints
1-Jun-2005	Partial depth patching of PCC pavements at joints



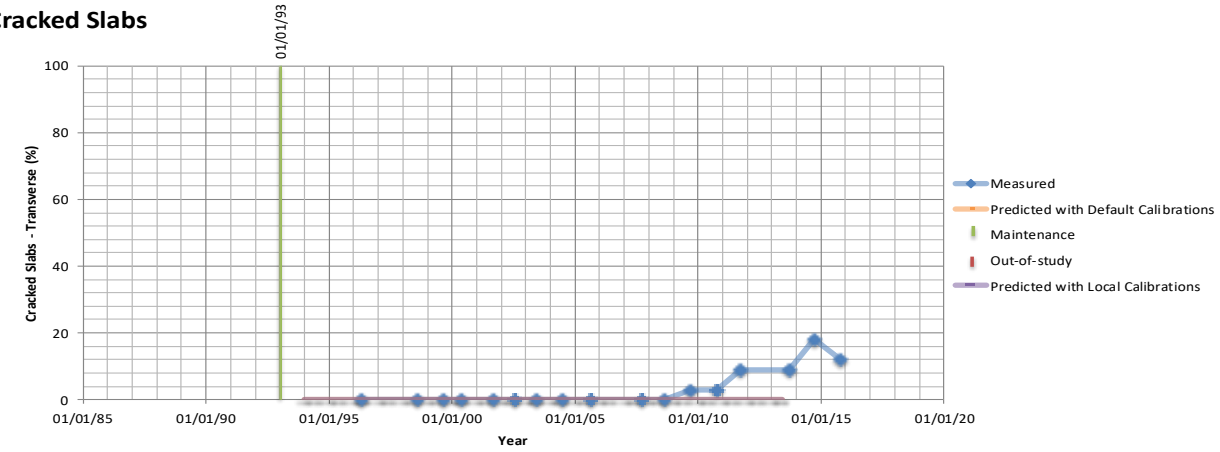
Average IRI



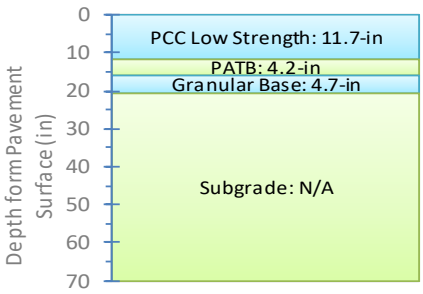
Average Faulting

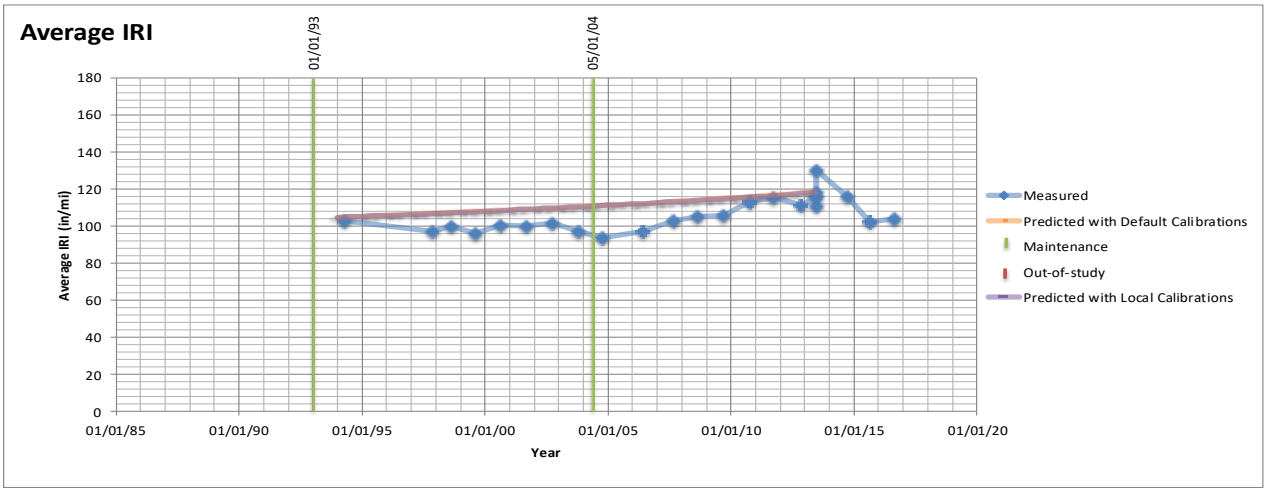


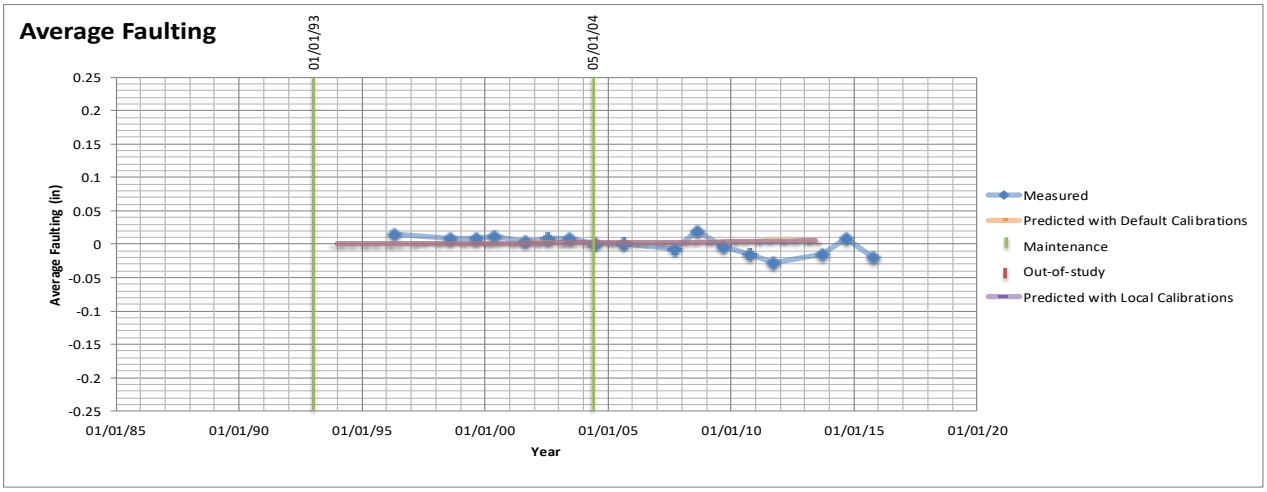
Cracked Slabs

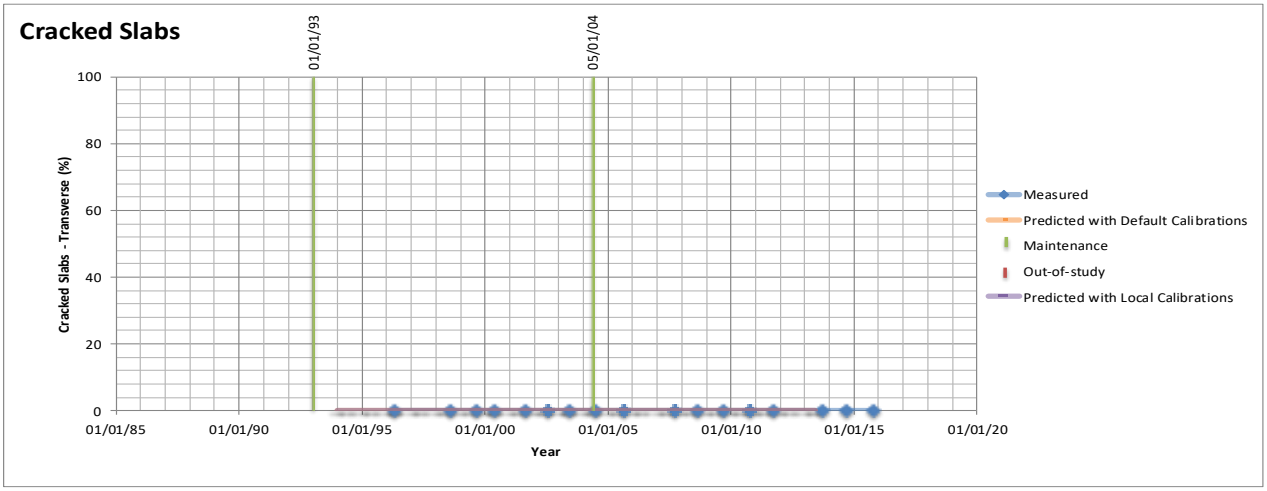


Date	Event
1-Jan-1993	In-study

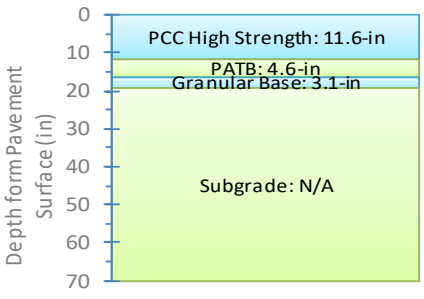


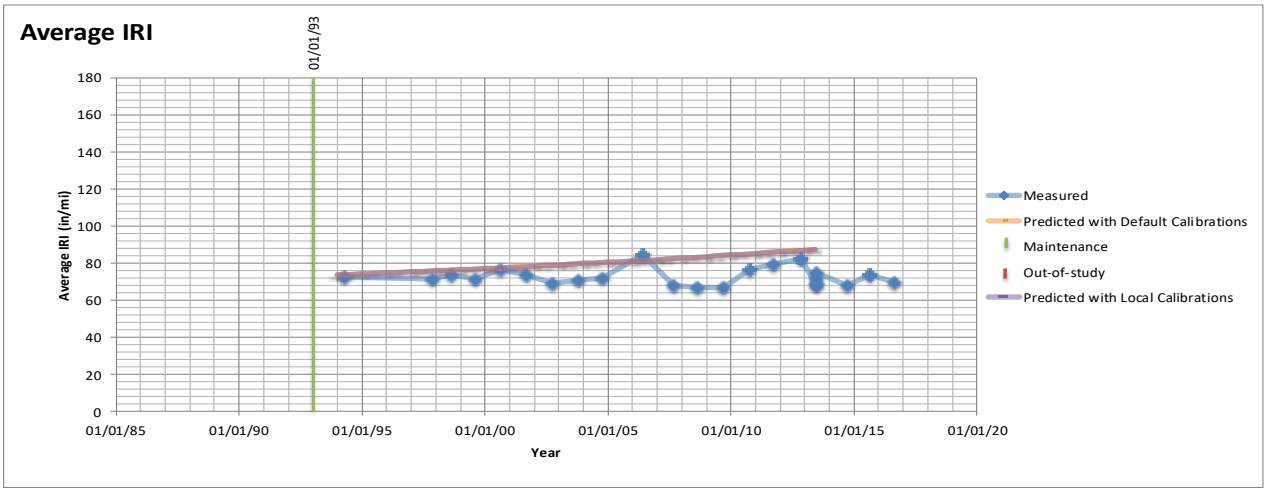


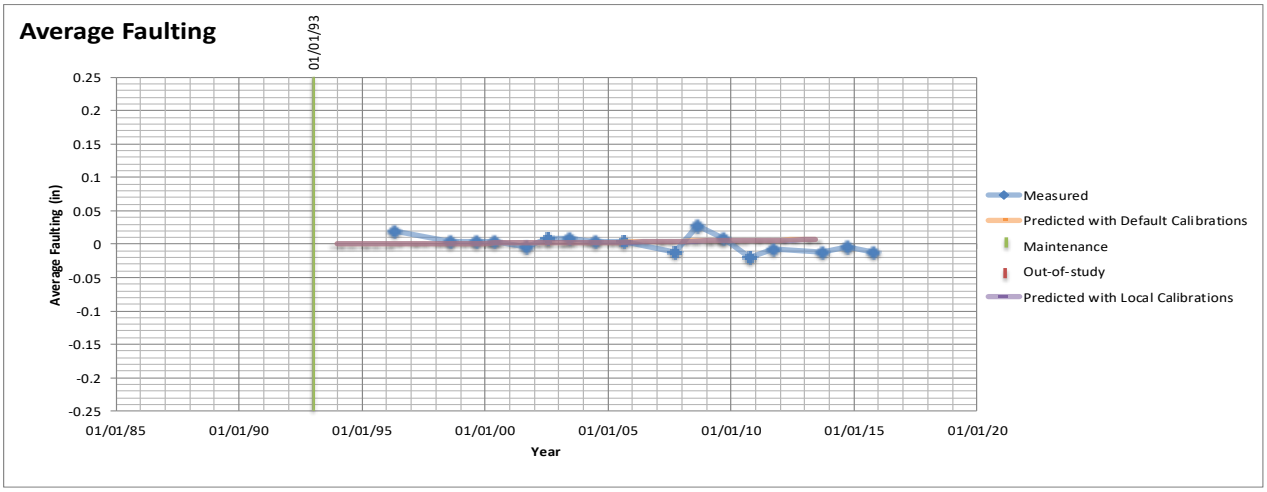


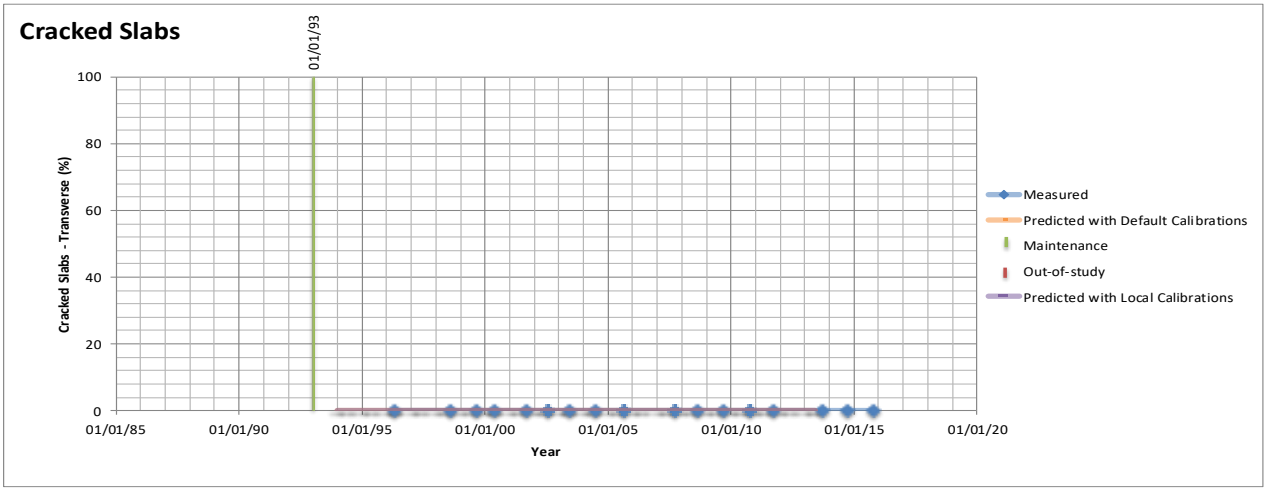


Date	Event
1-Jan-1993	In-study
1-May-2004	Partial depth patching of PCC pavements at joints

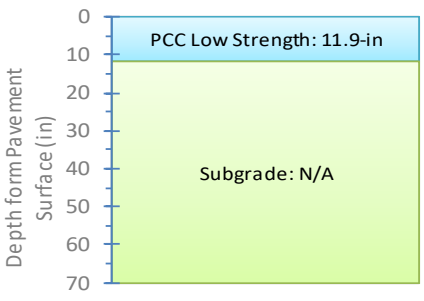


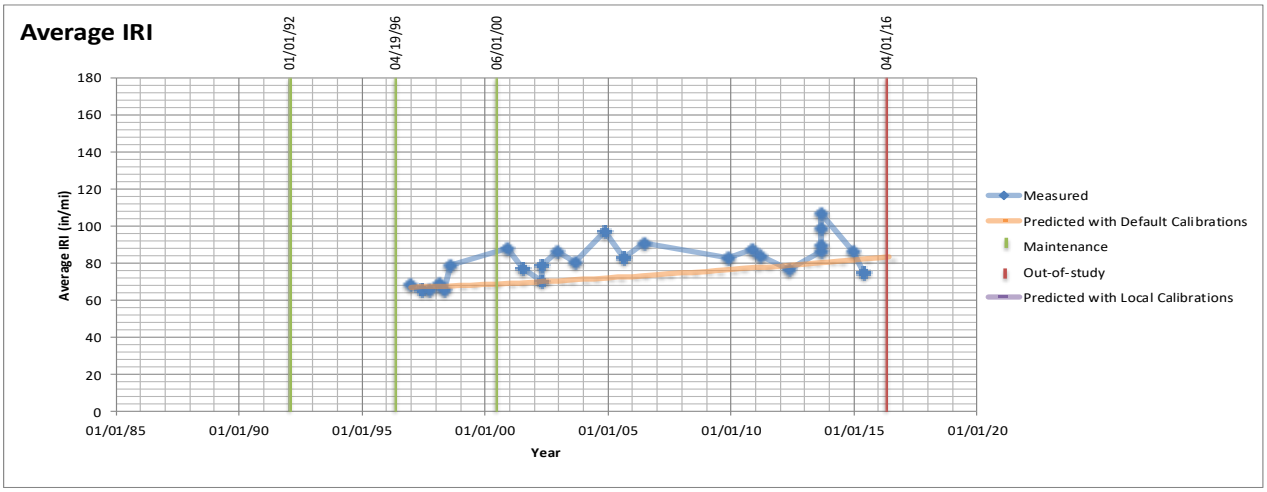


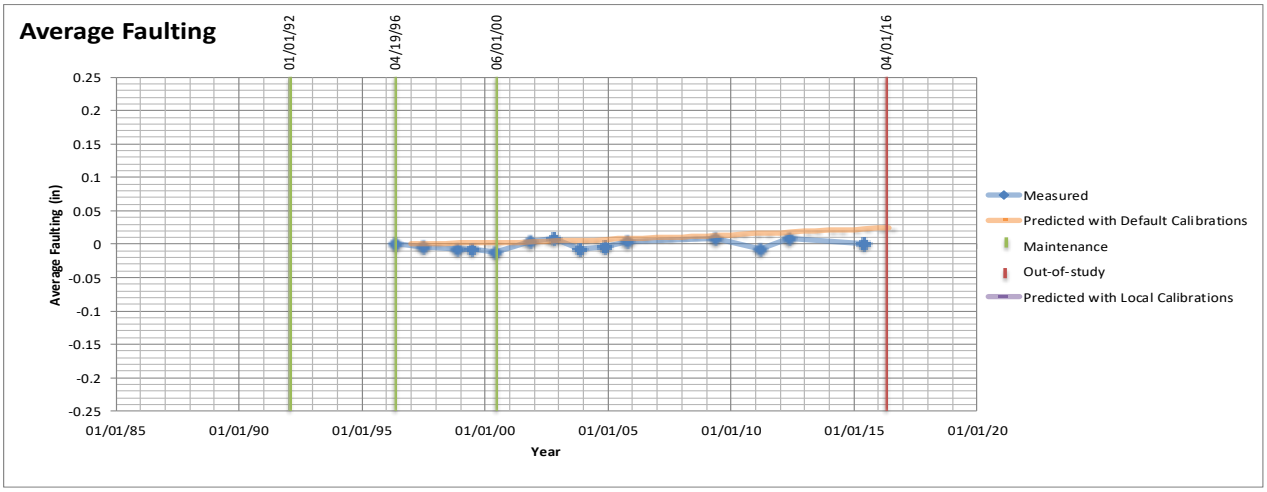


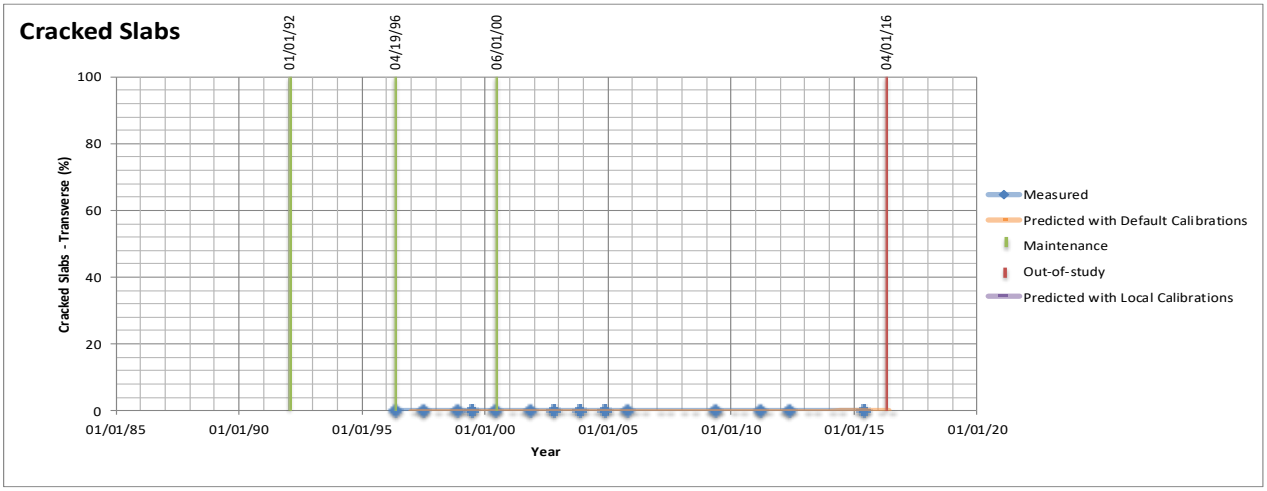


Date	Event
1-Jan-1993	In-study

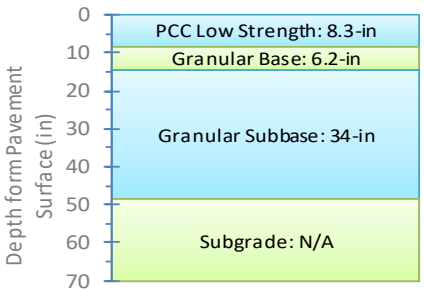


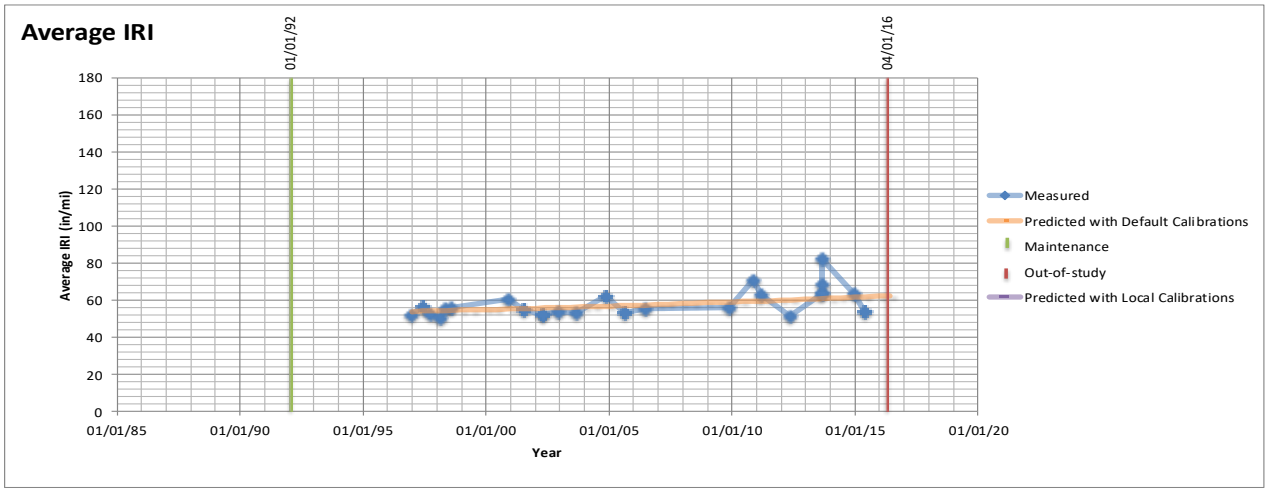


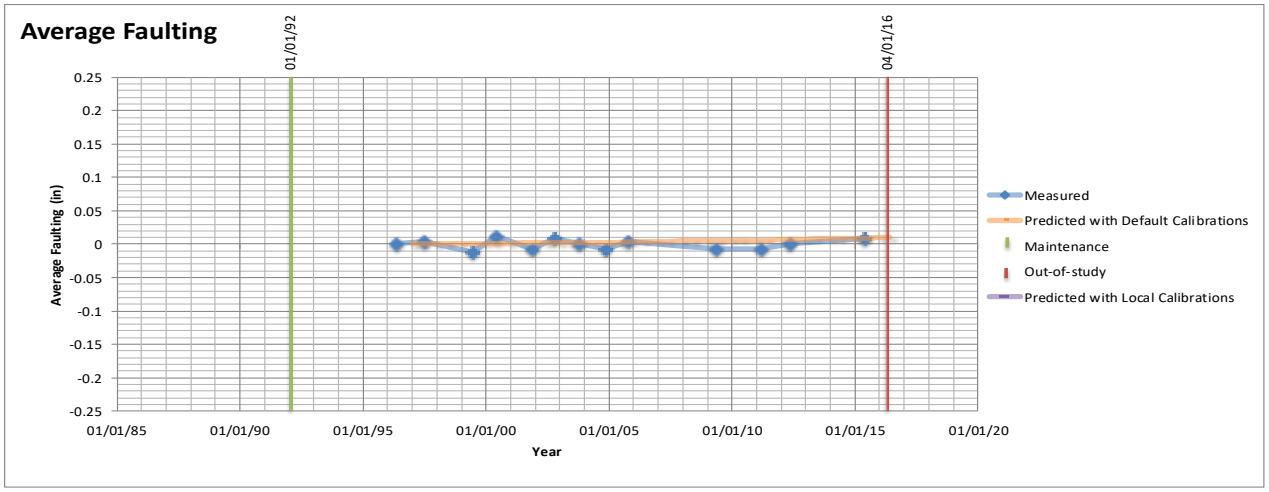


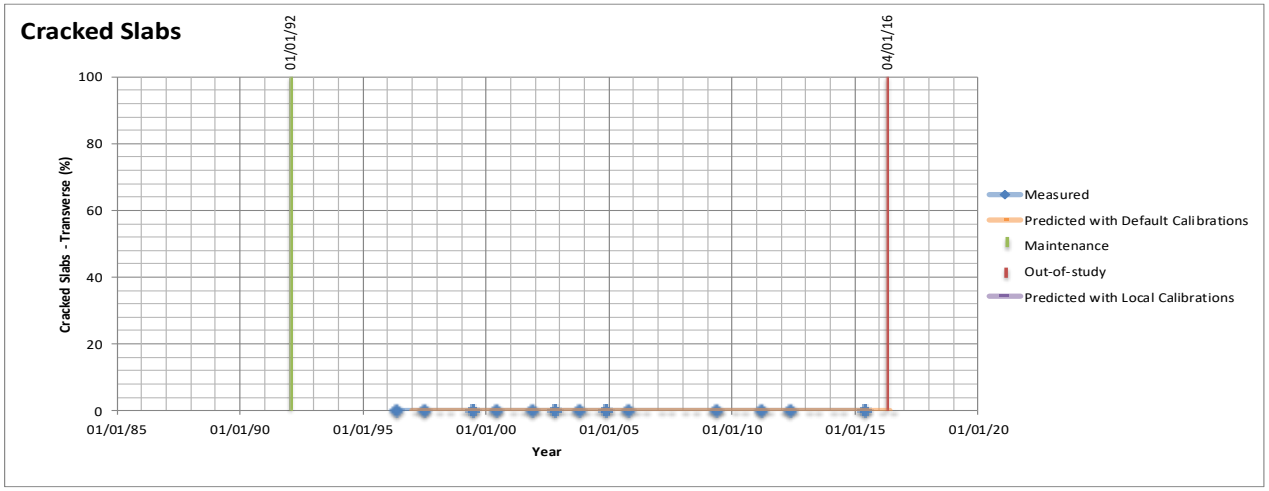


Date	Event
1-Jan-1992	In-study
19-Apr-1996	Full Depth Transverse Joint Repair Patch
1-Jun-2000	Grinding Surface
1-Apr-2016	Out-of-study

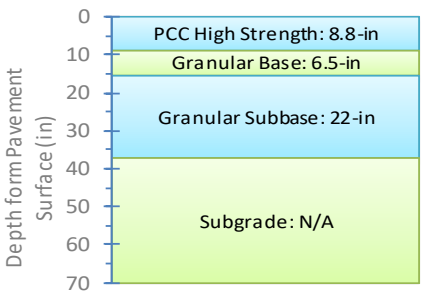


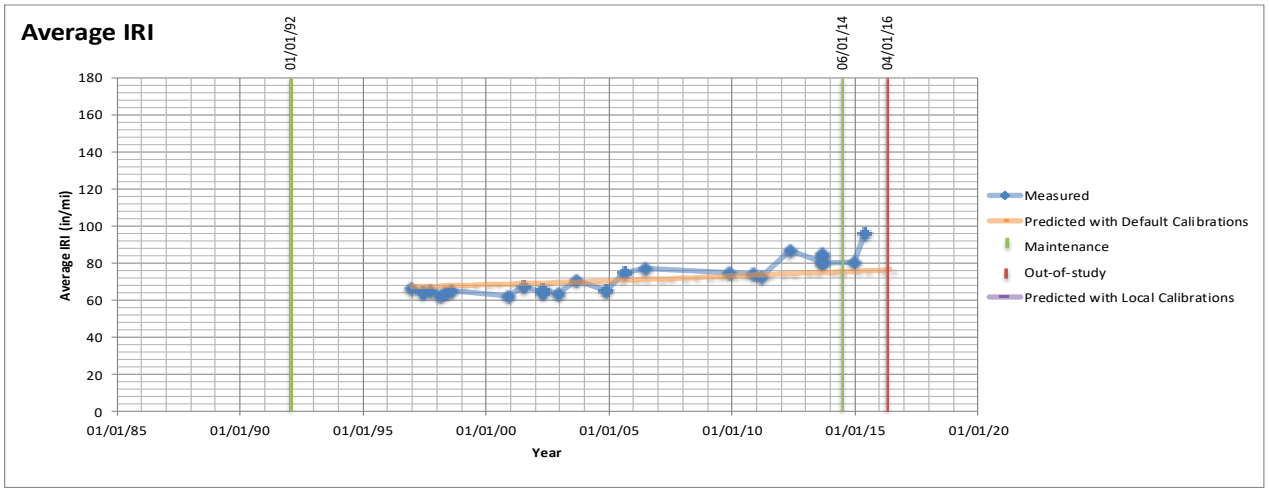


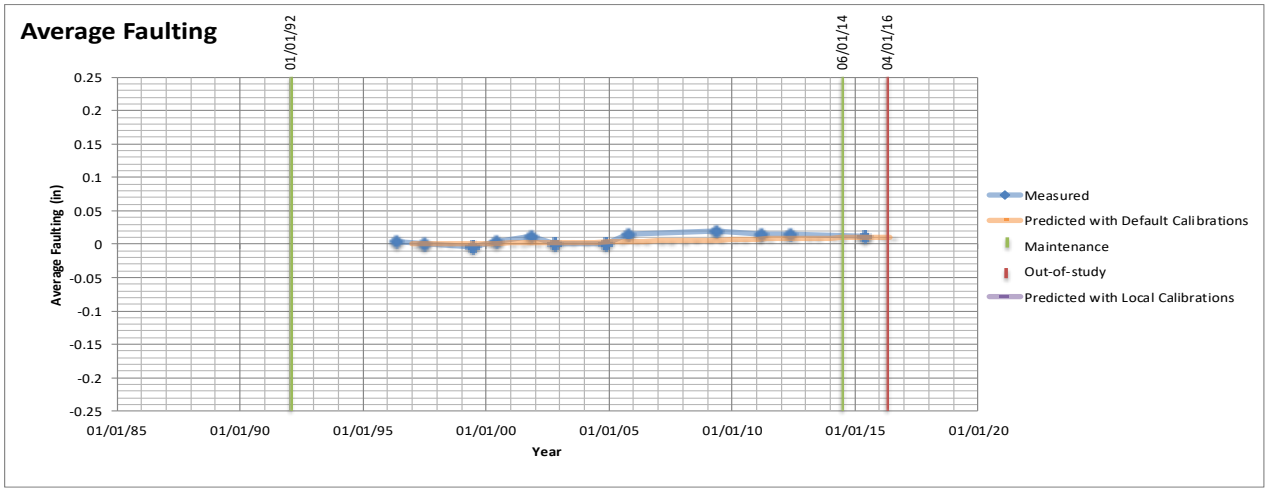


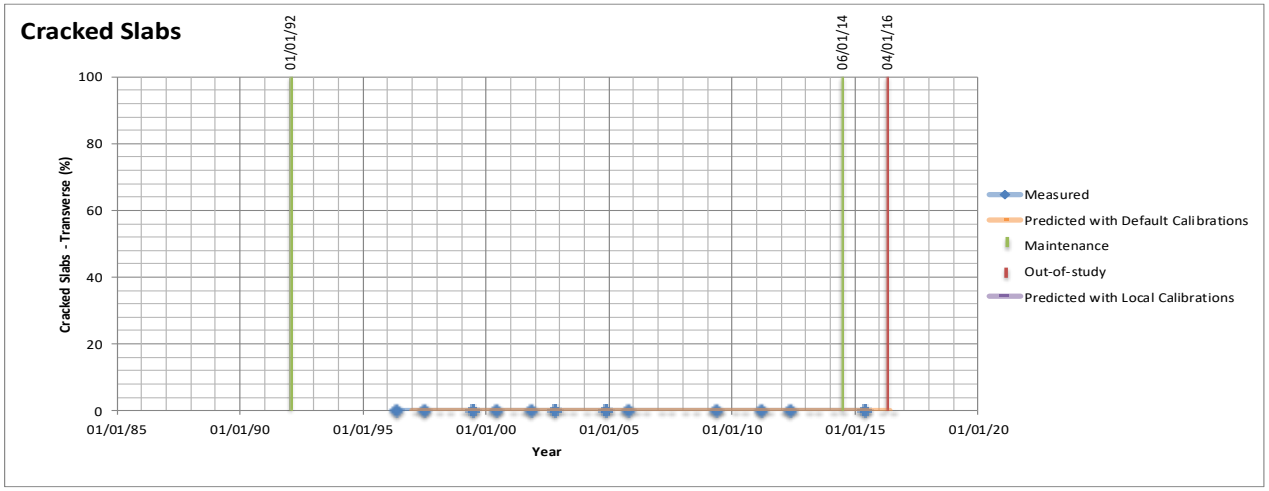


Date	Event
1-Jan-1992	In-study
1-Apr-2016	Out-of-study

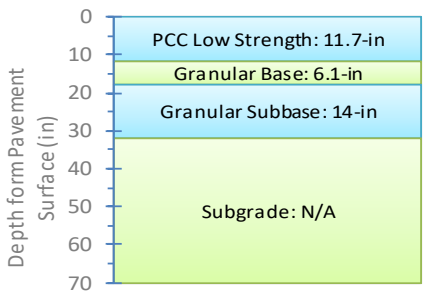


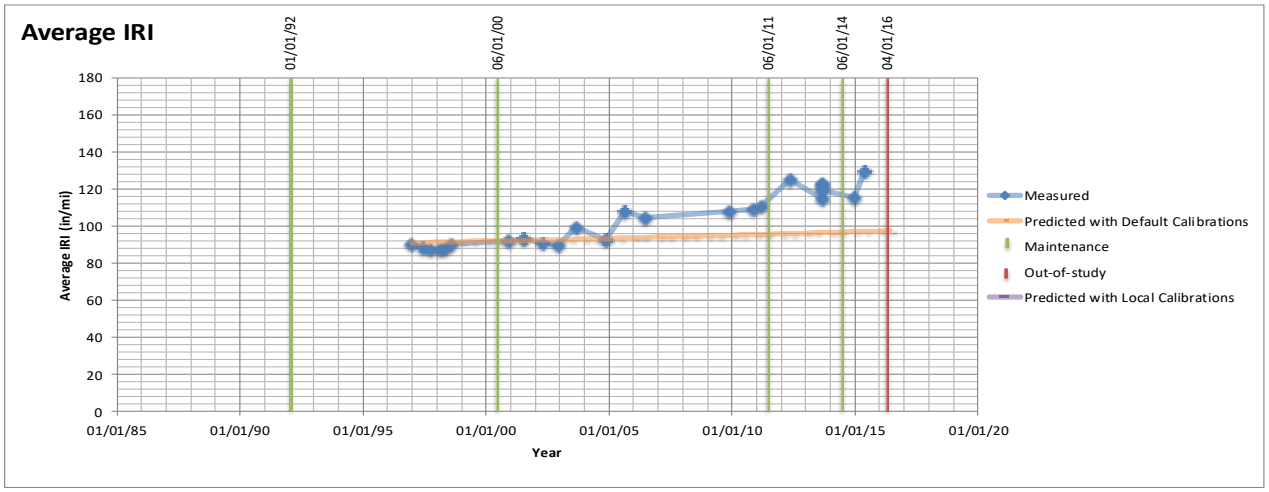


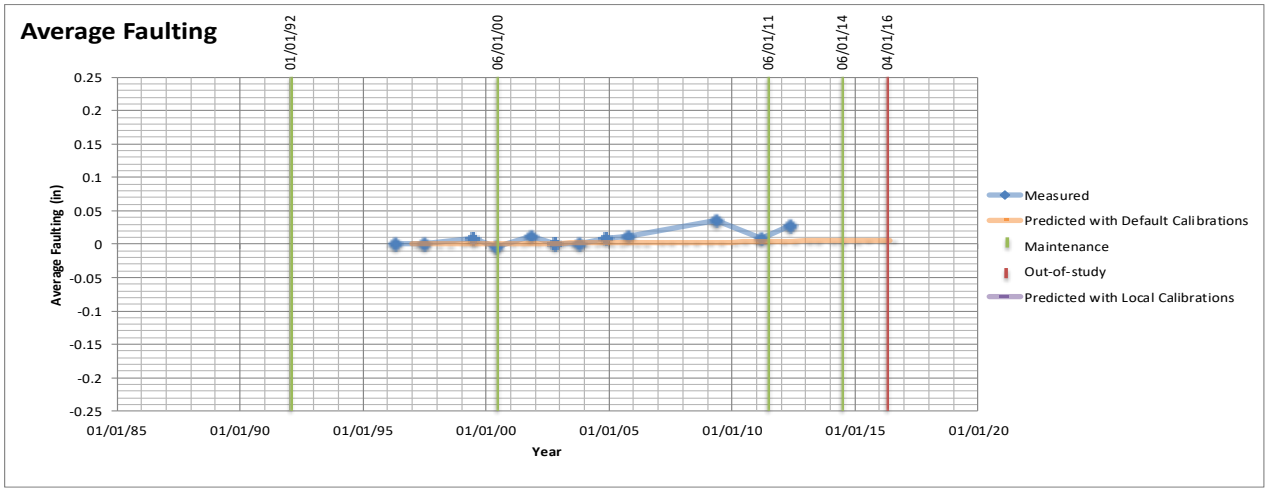


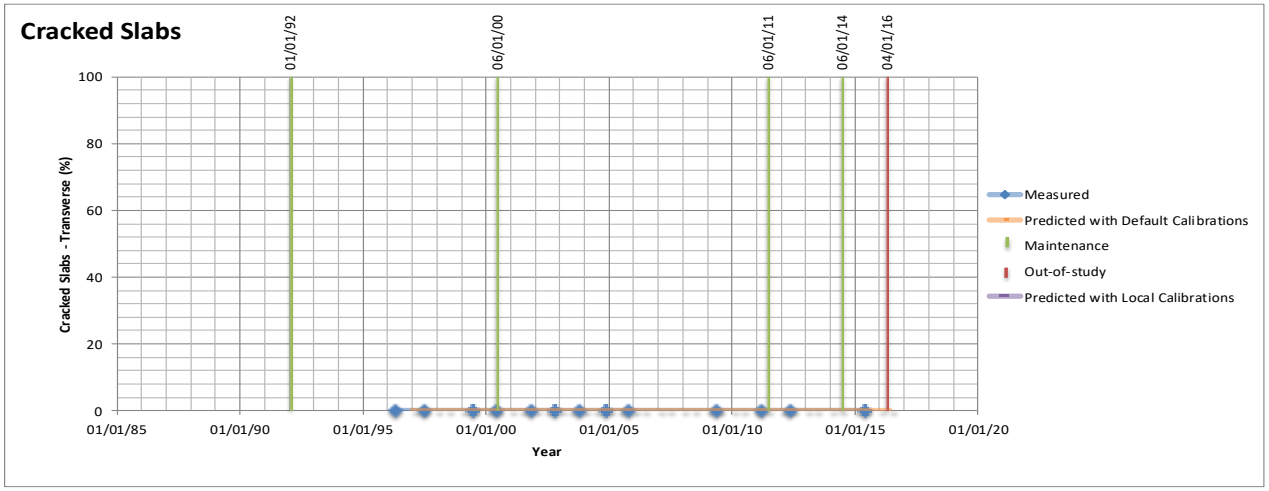


Date	Event
1-Jan-1992	In-study
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

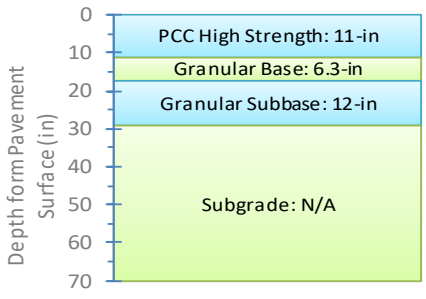


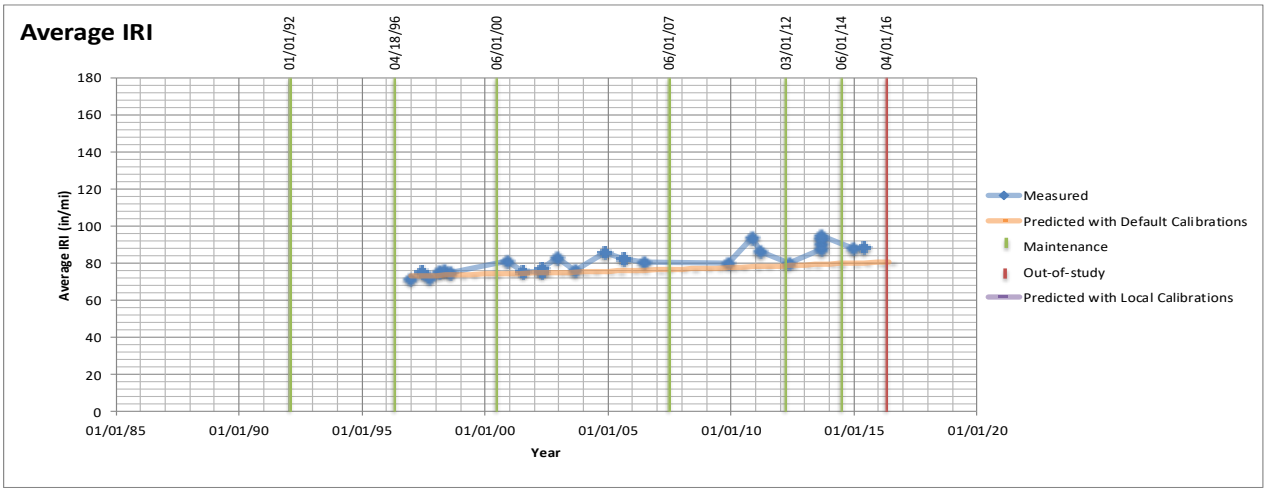


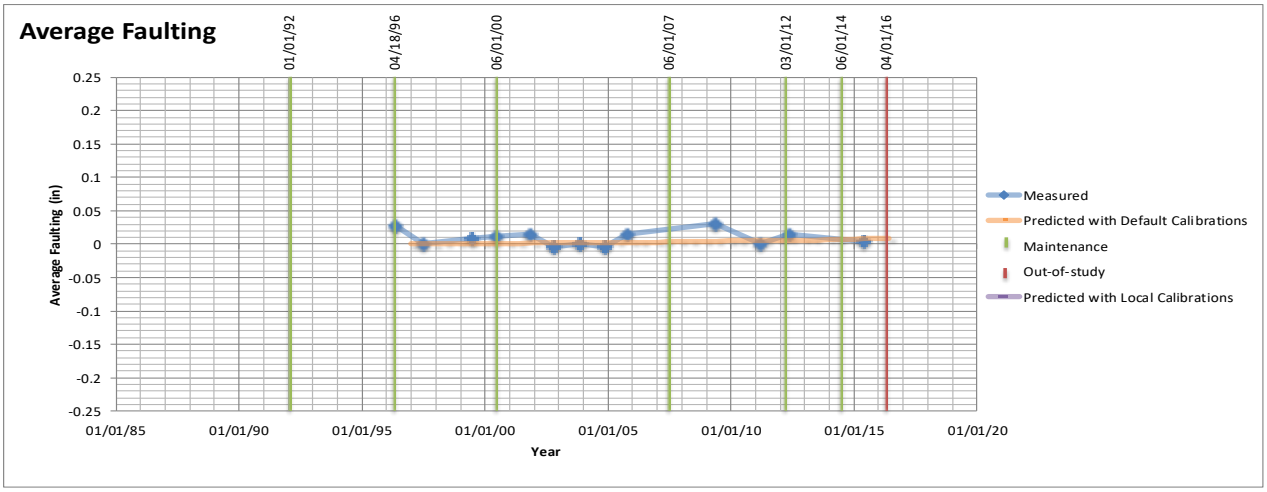


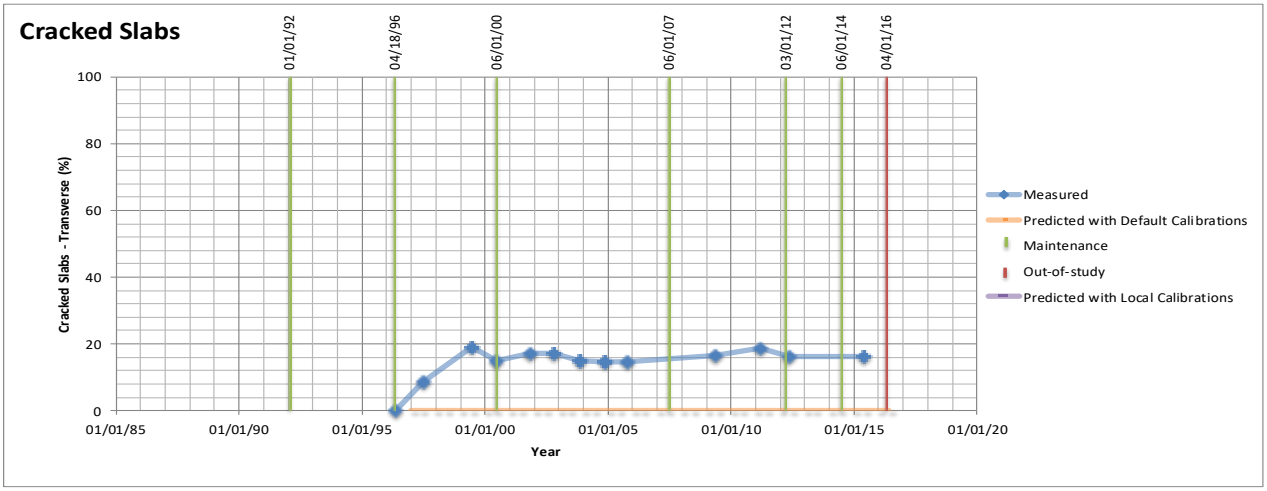


Date	Event
1-Jan-1992	In-study
1-Jun-2000	Grinding Surface
1-Jun-2011	Partial depth patching of PCC pavements at joints
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

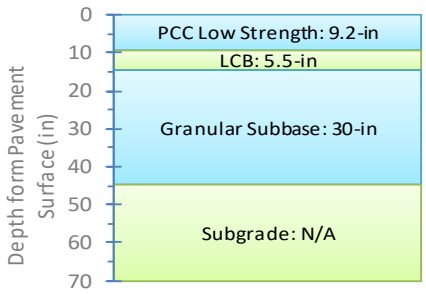


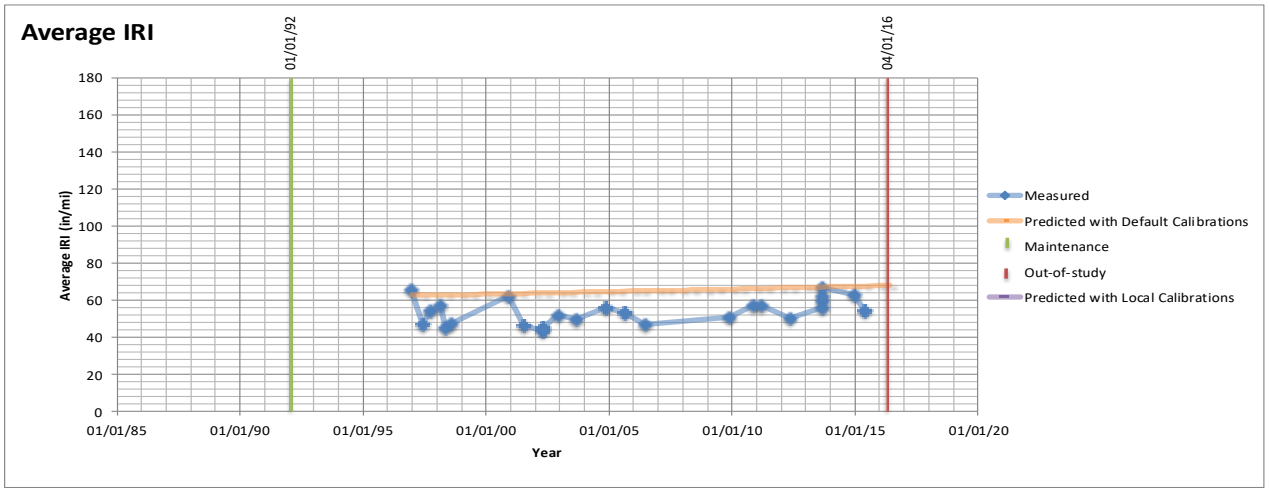


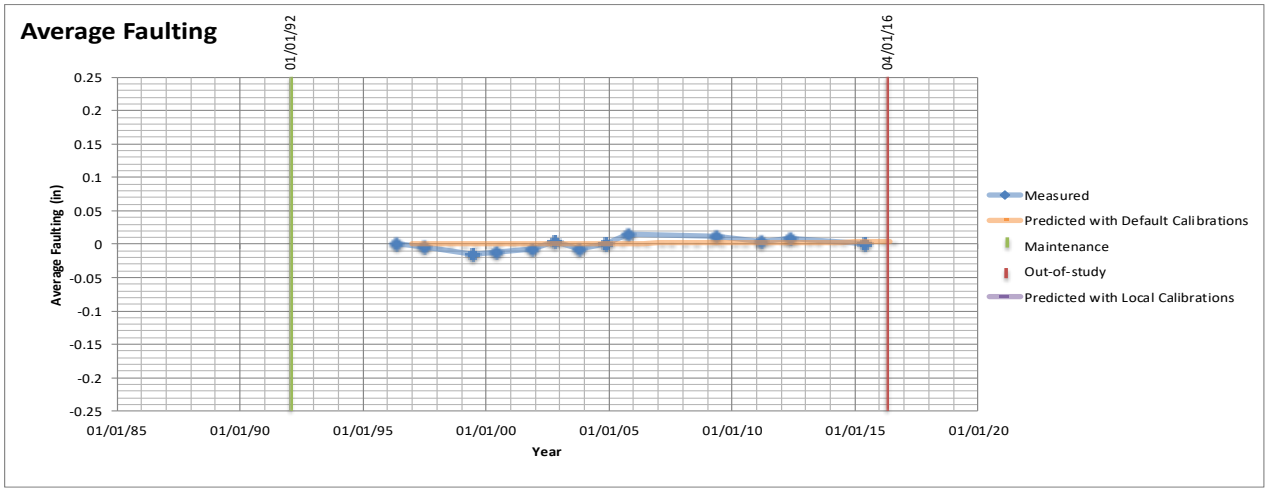


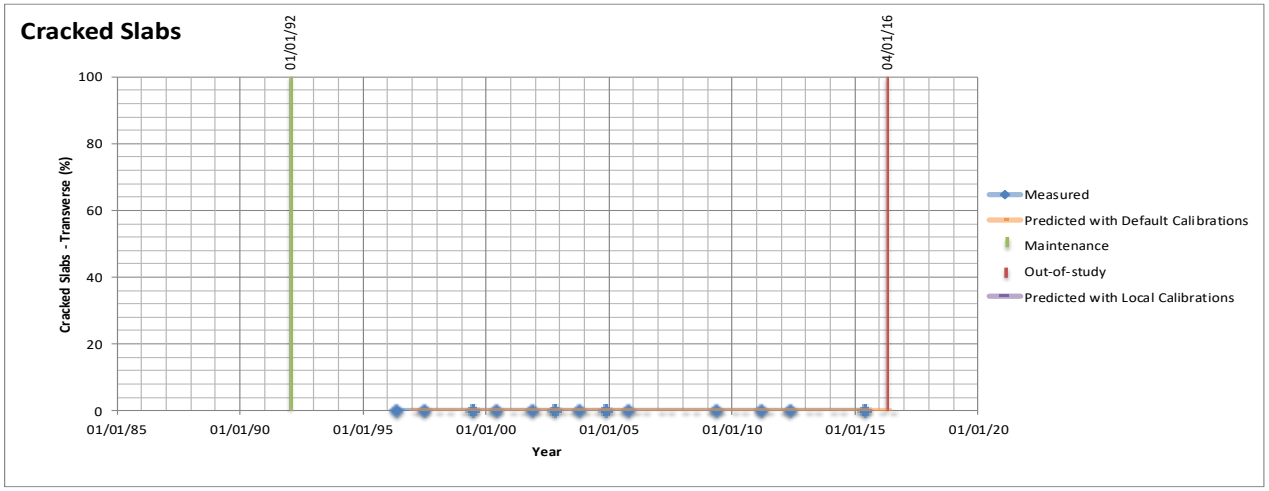


Date	Event
1-Jan-1992	In-study
18-Apr-1996	Full Depth Transverse Joint Repair Patch; PCC Slab Replacement
1-Jun-2000	Grinding Surface
1-Jun-2007	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Mar-2012	Full Depth Transverse Joint Repair Patch
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

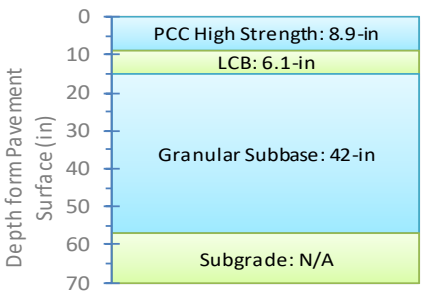


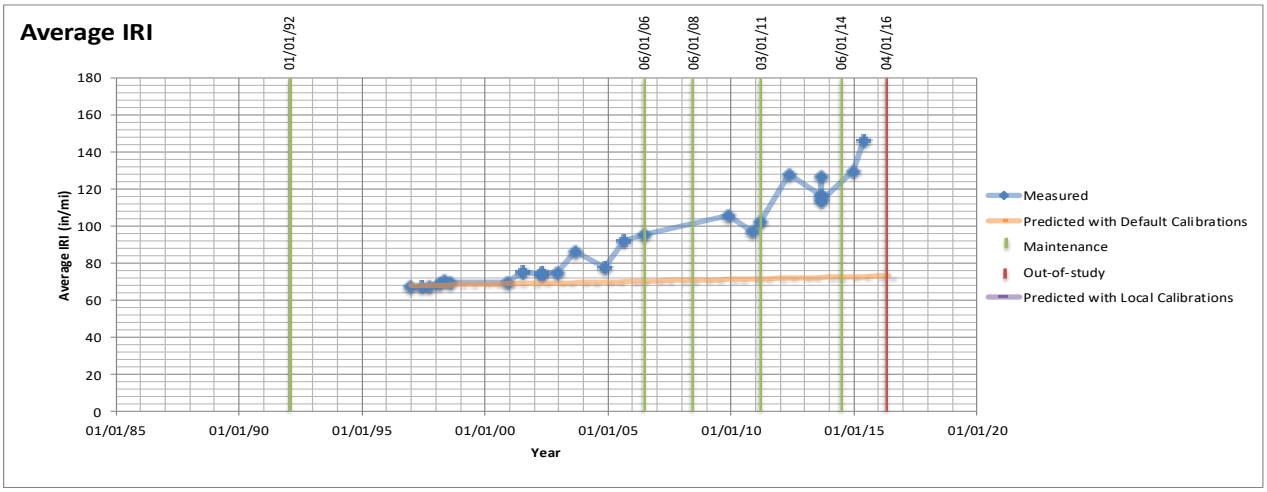


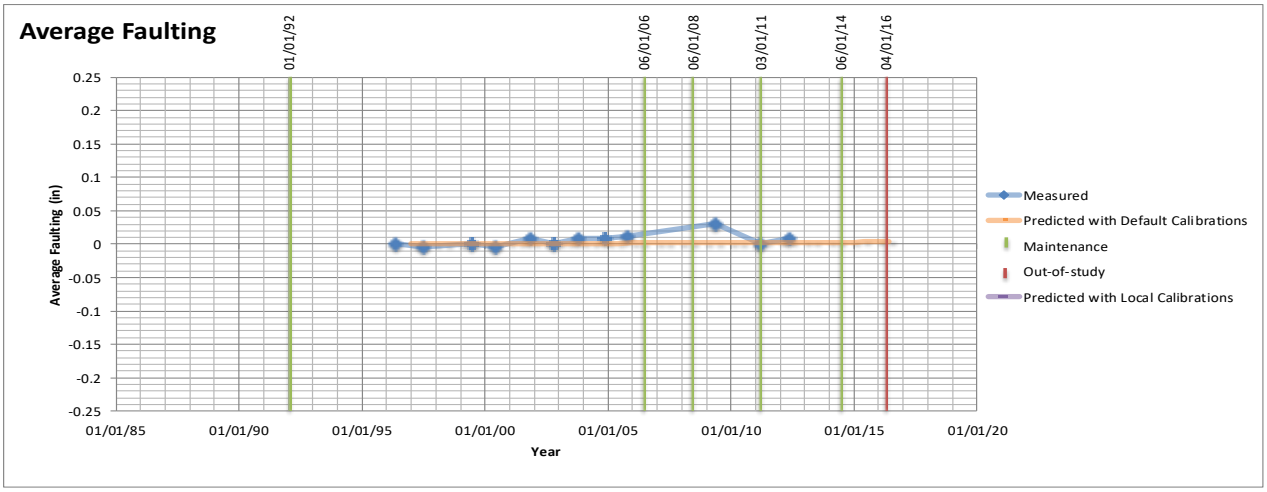


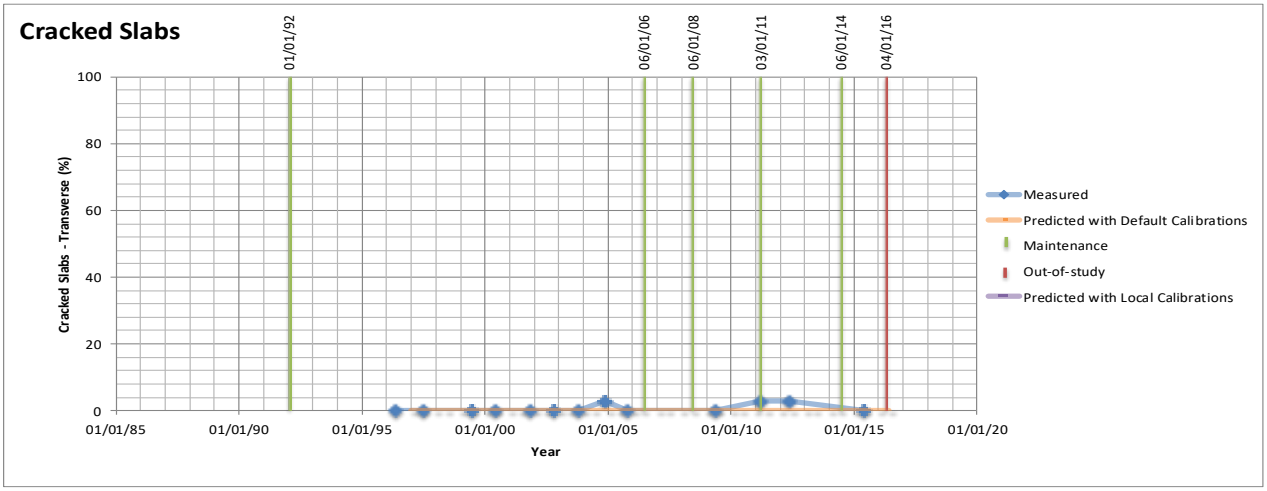


Date	Event
1-Jan-1992	In-study
1-Apr-2016	Out-of-study

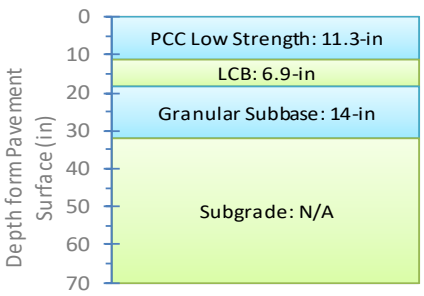


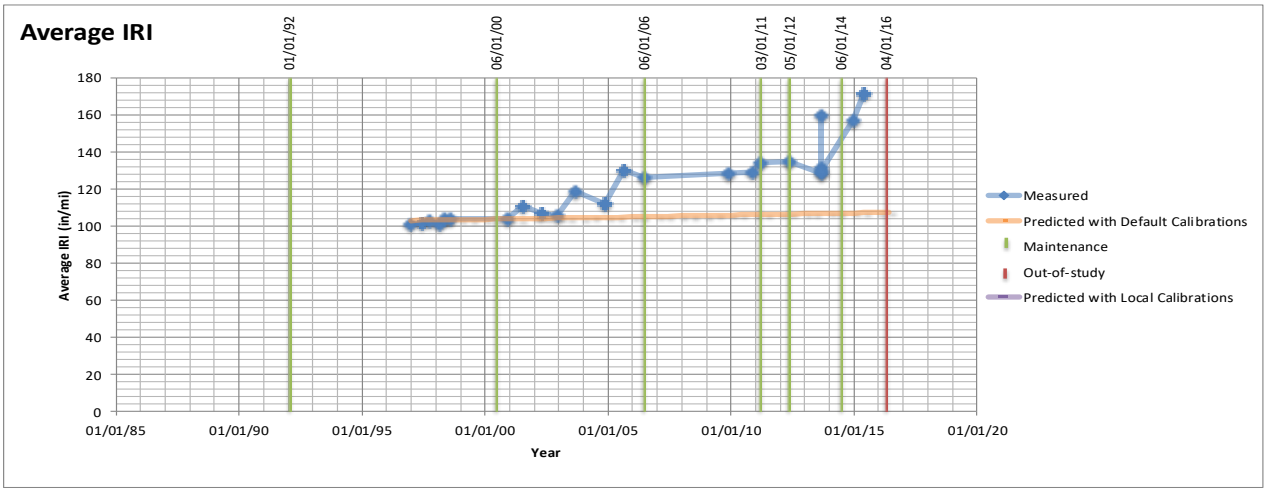


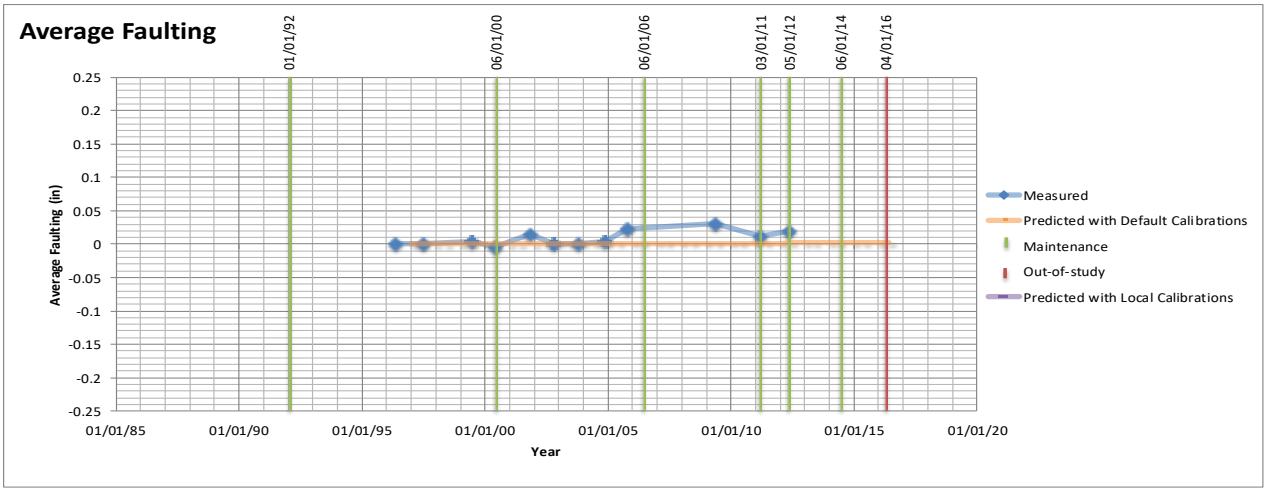


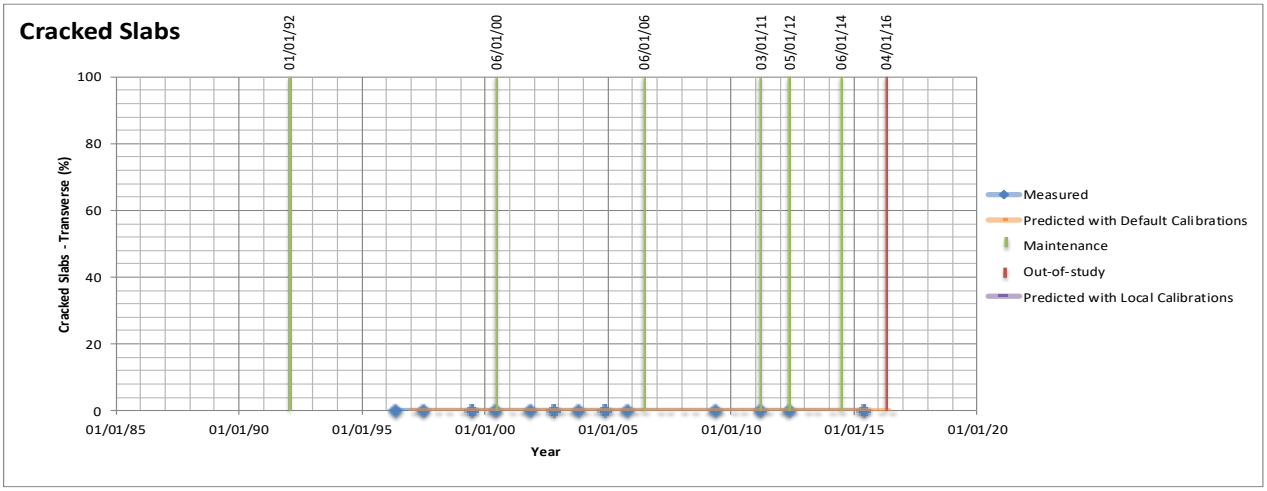


Date	Event
1-Jan-1992	In-study
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2008	Crack Sealing; Other
1-Mar-2011	Crack Sealing; Partial Depth Patching of PCC Pavement Other Than at Joint; Patch
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

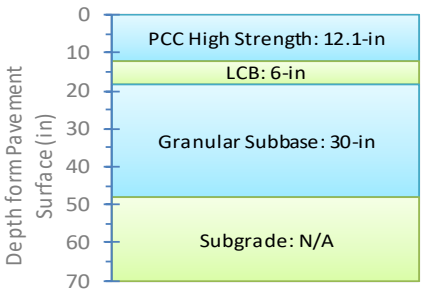


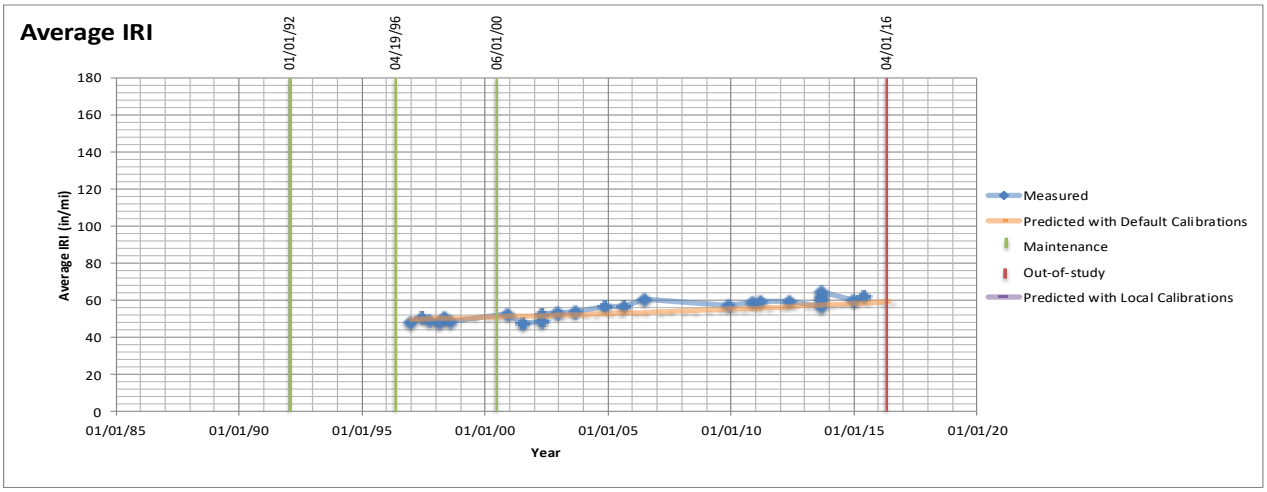


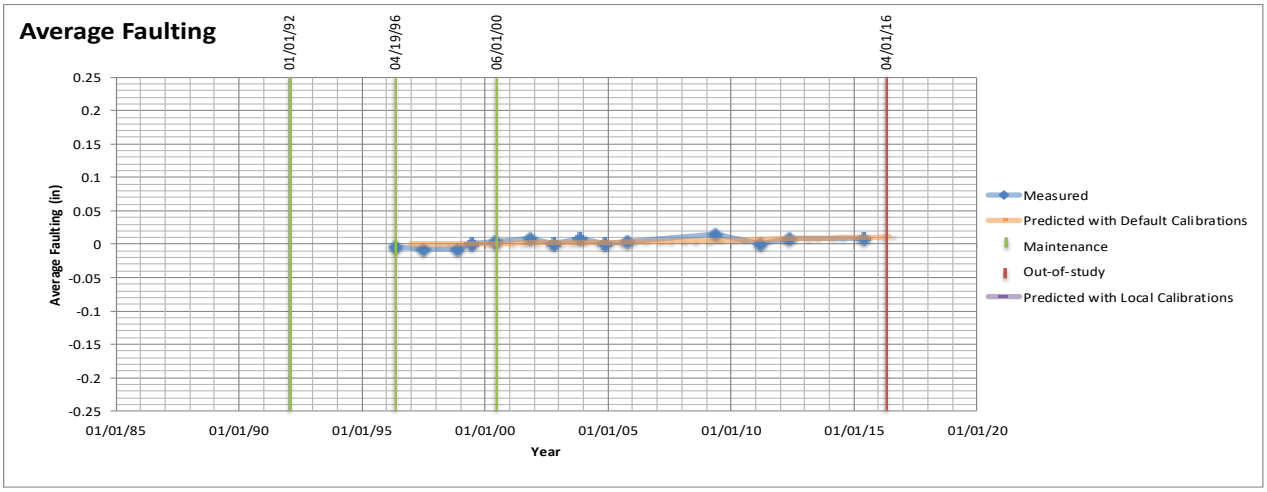


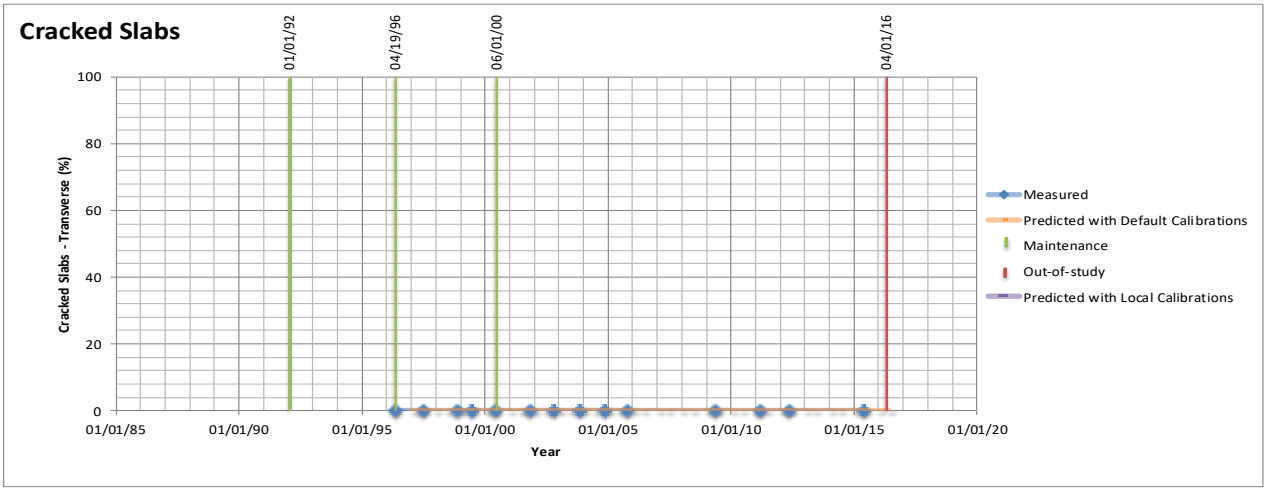


Date	Event
1-Jan-1992	In-study
1-Jun-2000	Grinding Surface
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing
1-Mar-2011	Patch Pot Holes - Hand Spread, Compacted with Truck
1-May-2012	Partial Depth Patching of PCC Pavement Other Than at Joint; Partial depth patching
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

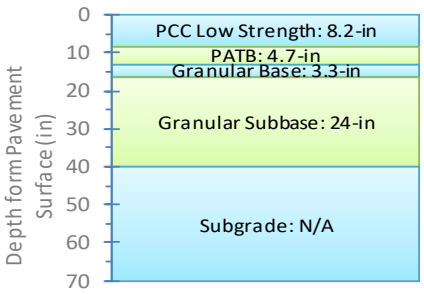


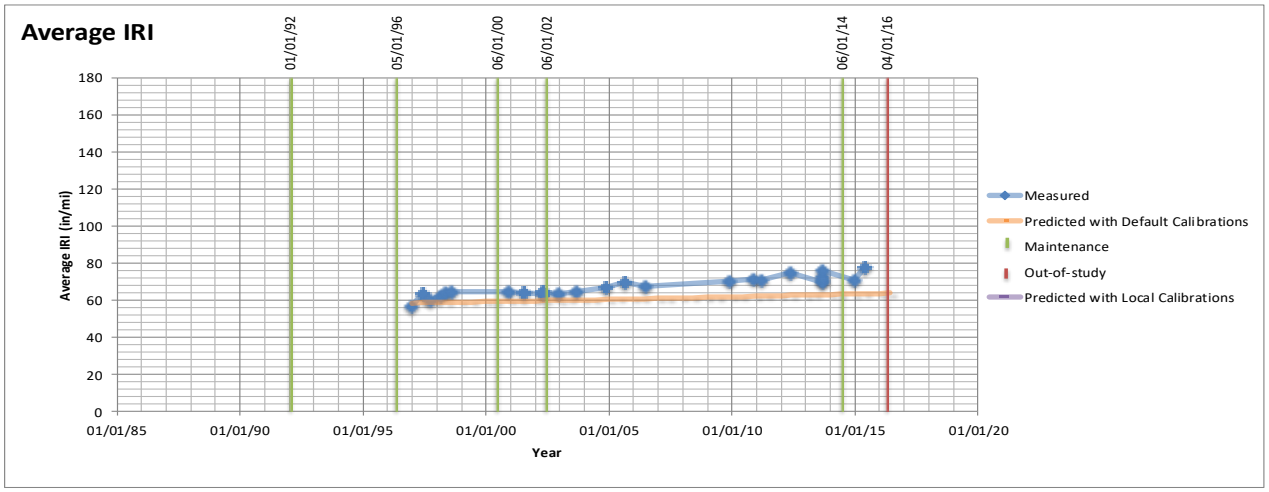


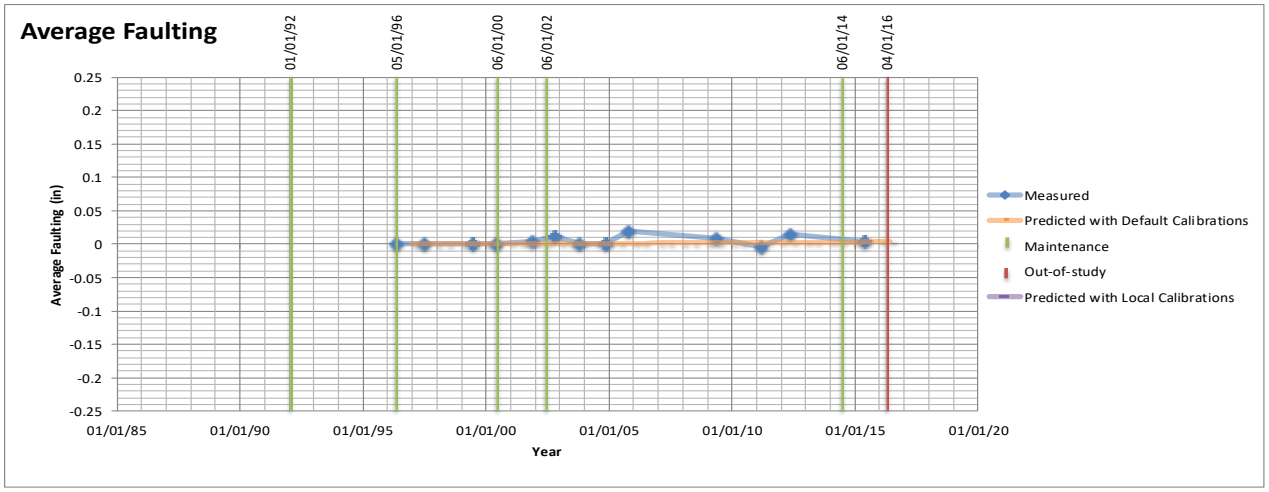


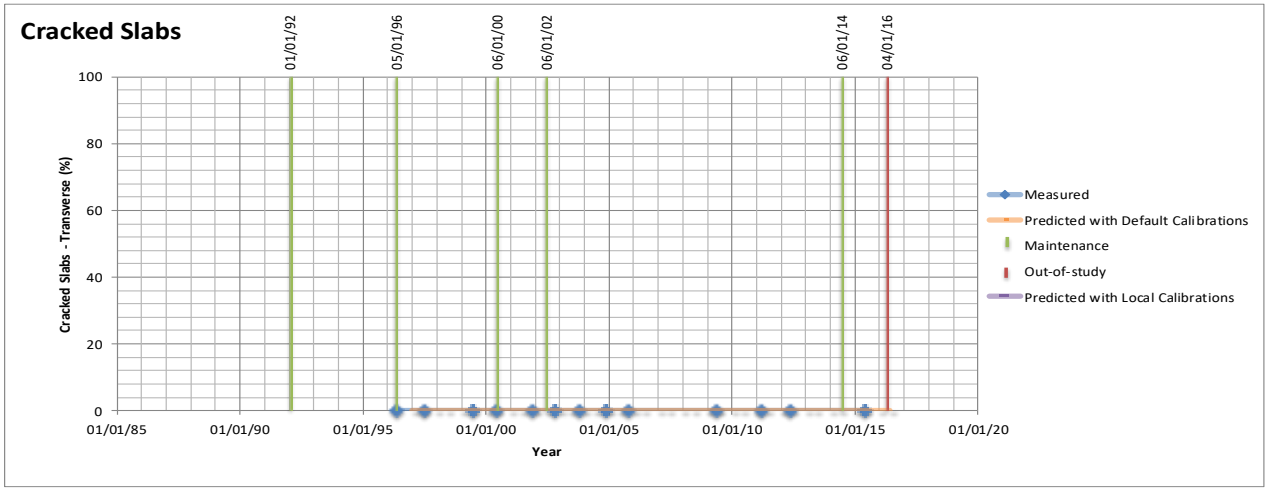


Date	Event
1-Jan-1992	In-study
19-Apr-1996	Full Depth Transverse Joint Repair Patch
1-Jun-2000	Grinding Surface
1-Apr-2016	Out-of-study

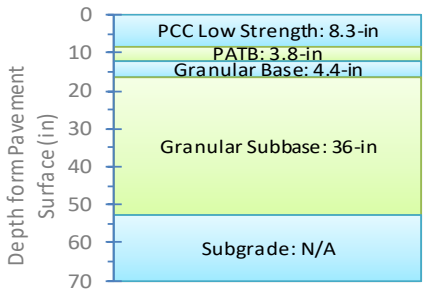


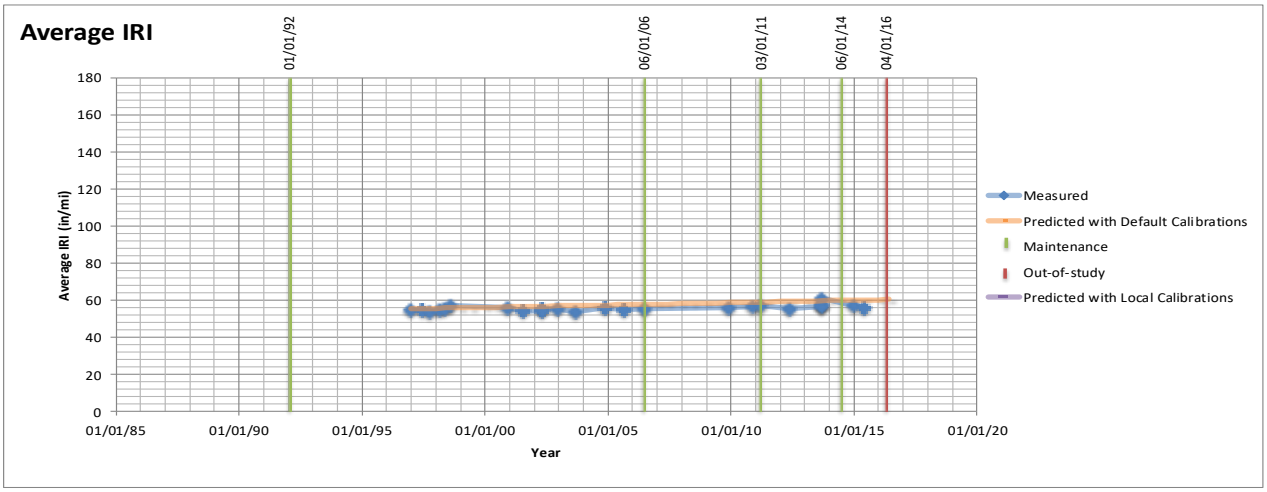


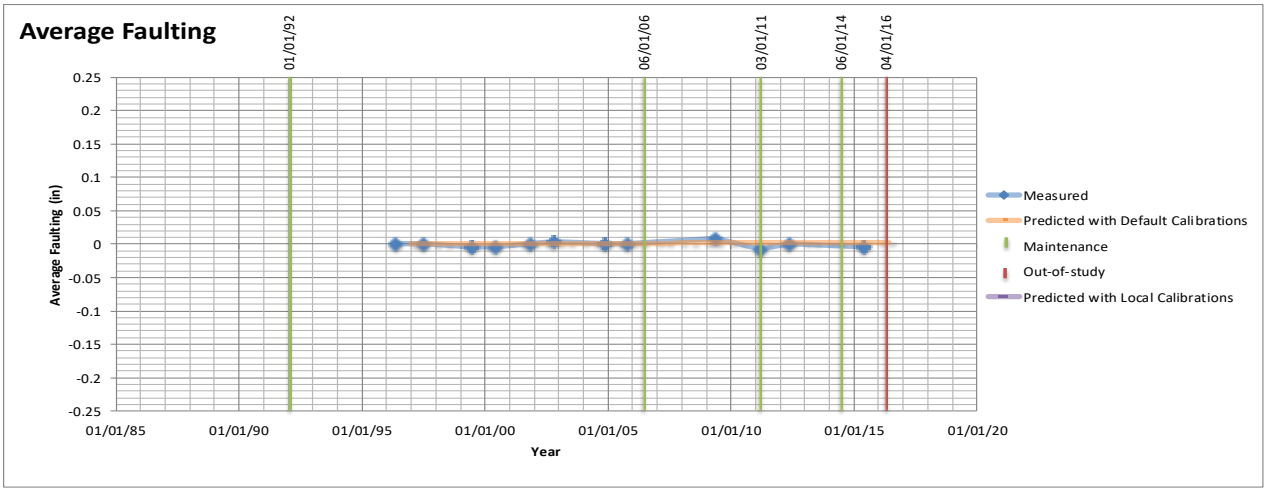


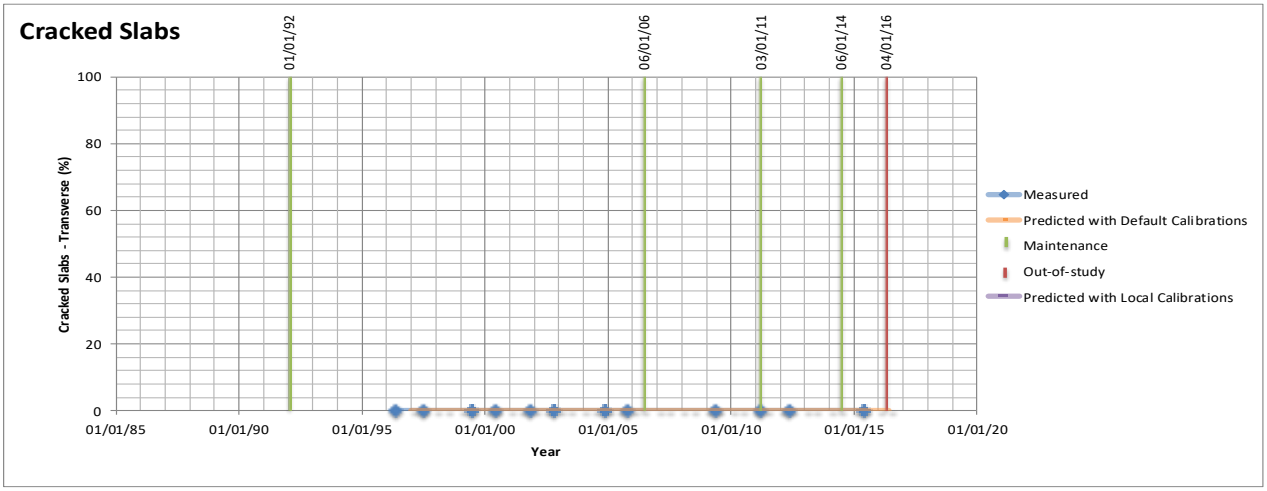


Date	Event
1-Jan-1992	In-study
1-May-1996	Full Depth Transverse Joint Repair Patch
1-Jun-2000	Grinding Surface
1-Jun-2002	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

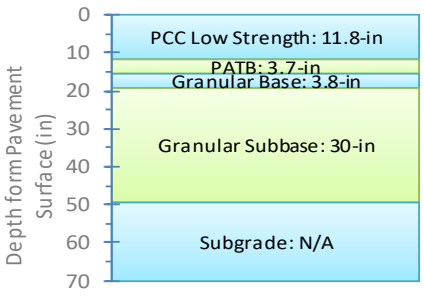


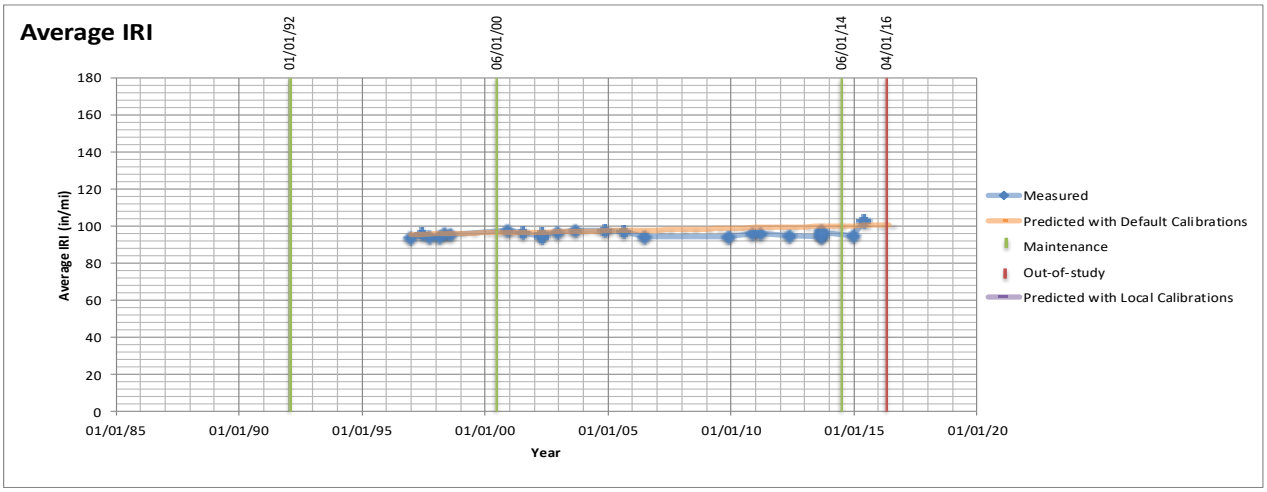


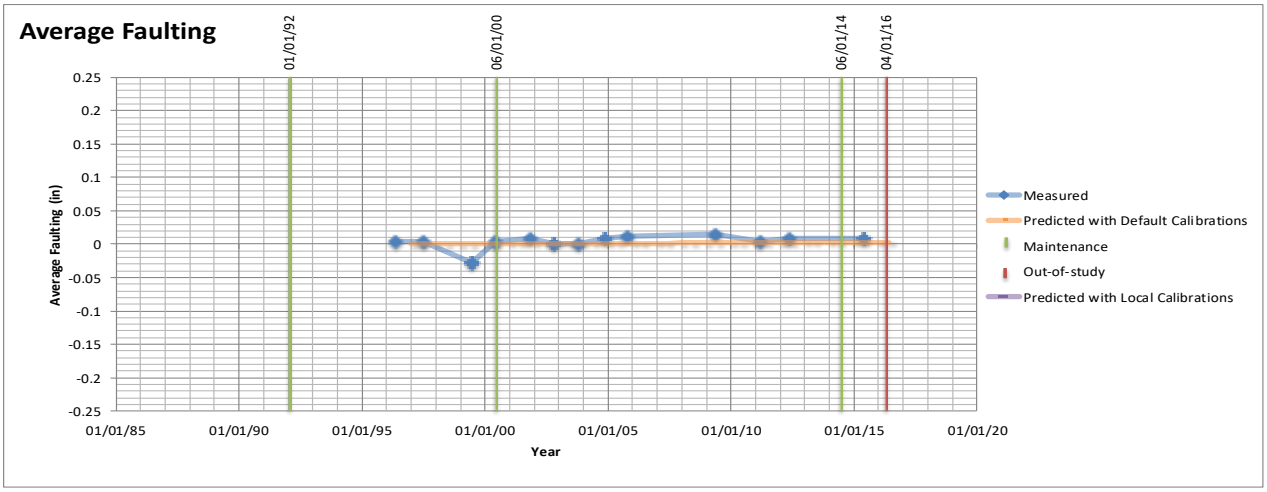


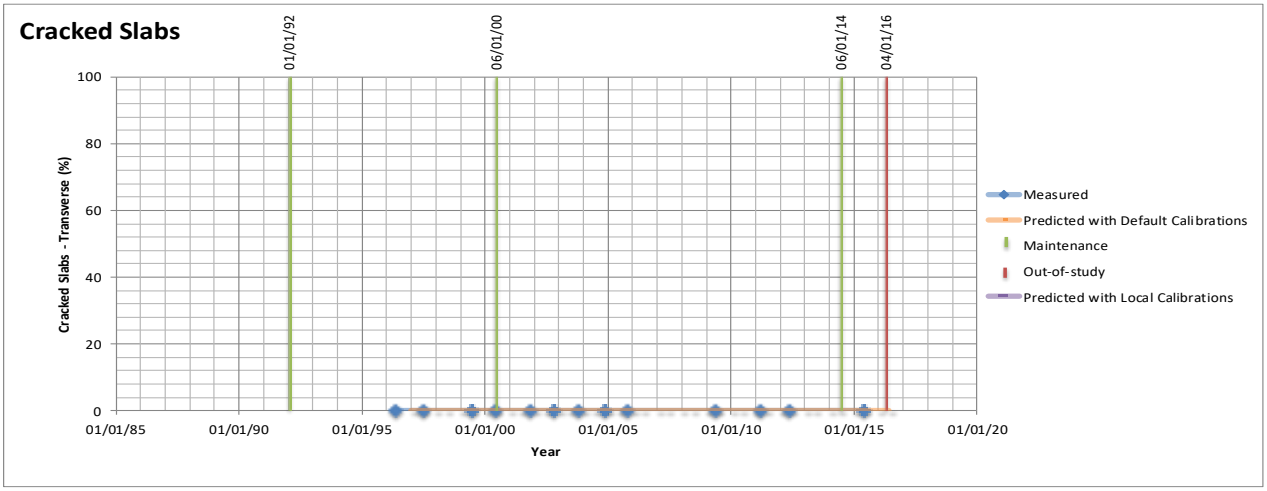


Date	Event
1-Jan-1992	In-study
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing
1-Mar-2011	Partial Depth Patching of PCC Pavement Other Than at Joint
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

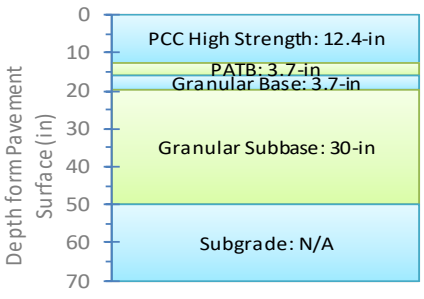


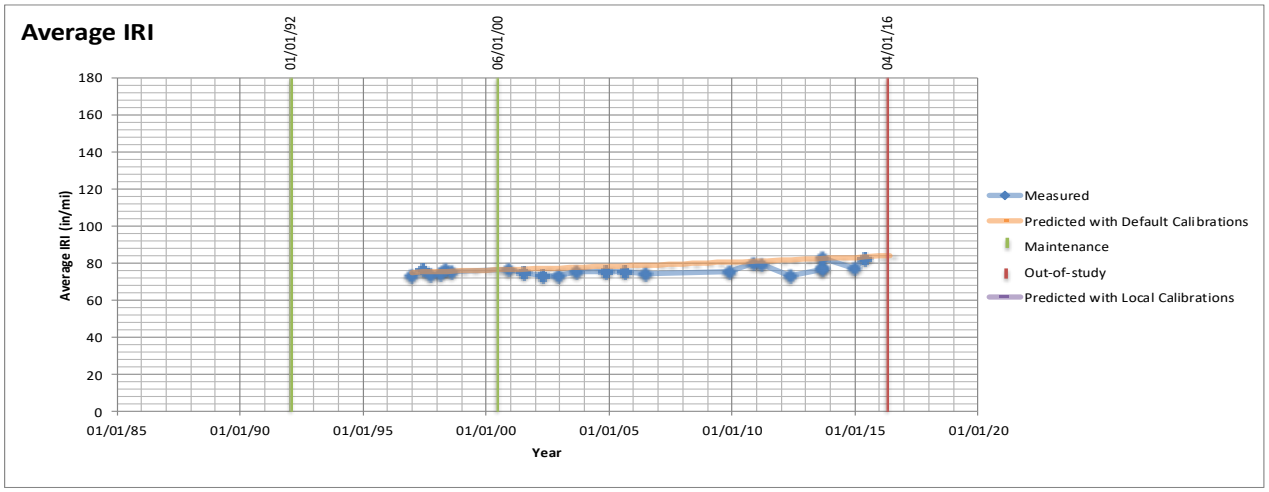


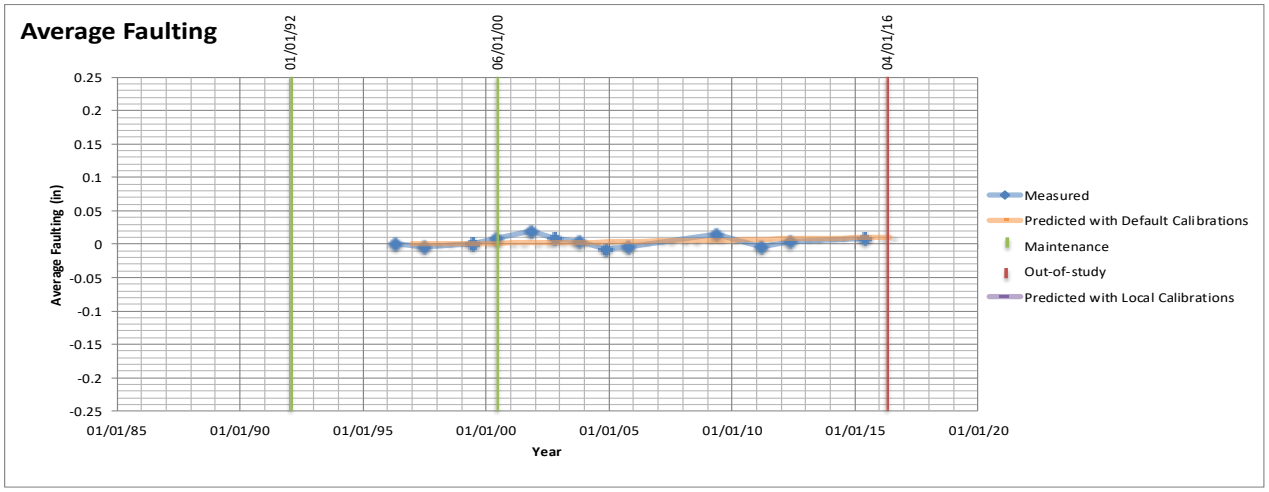


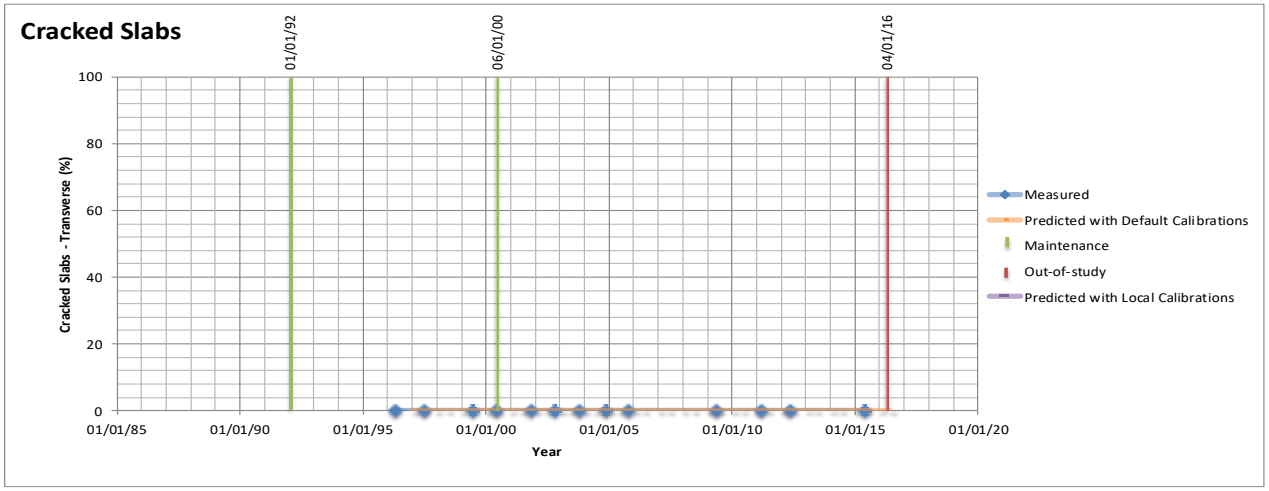


Date	Event
1-Jan-1992	In-study
1-Jun-2000	Grinding Surface
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

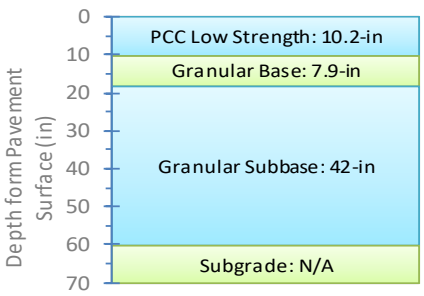


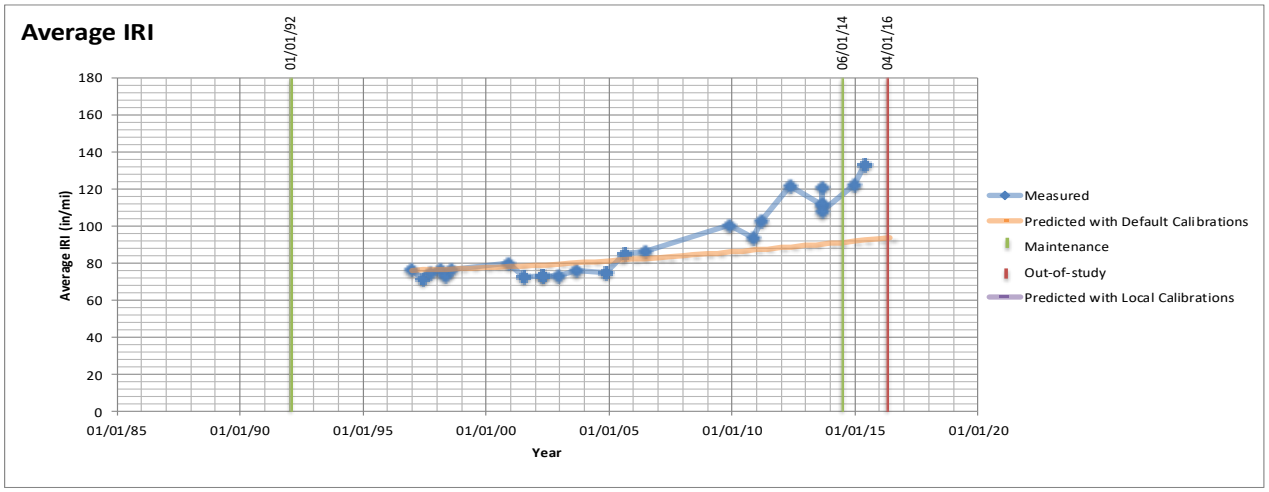


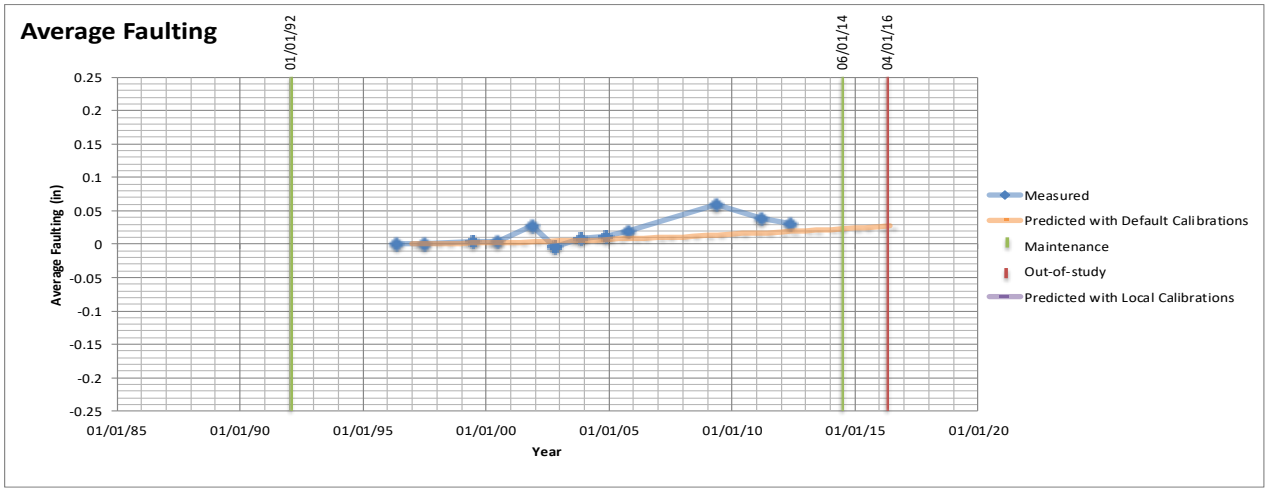


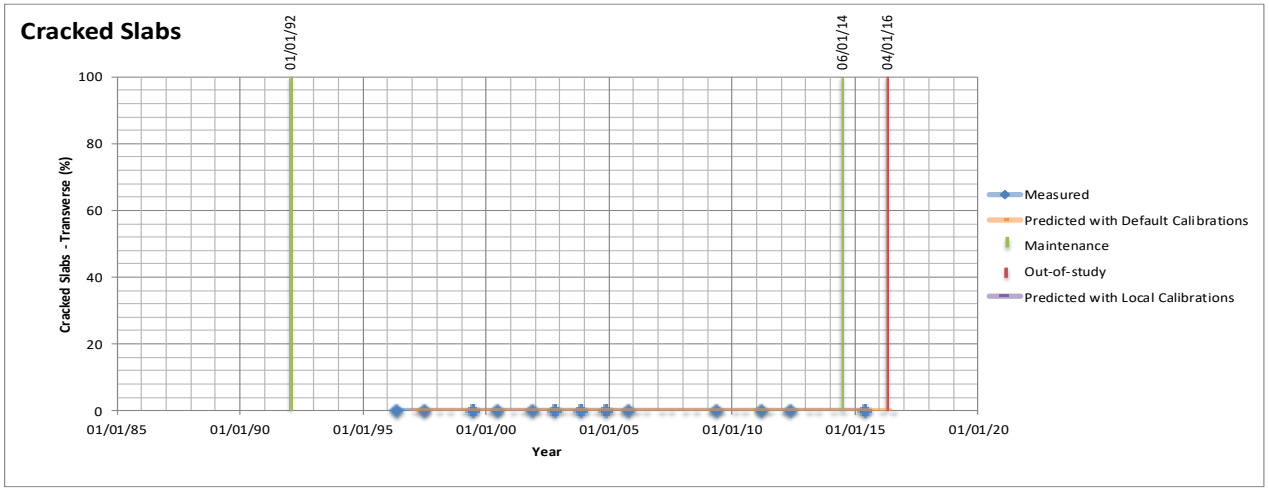


Date	Event
1-Jan-1992	In-study
1-Jun-2000	Grinding Surface
1-Apr-2016	Out-of-study

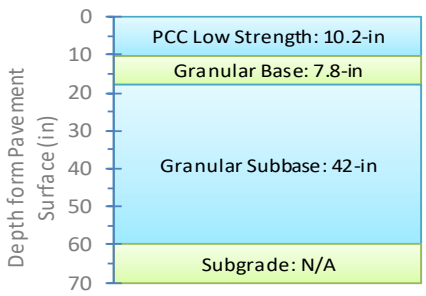


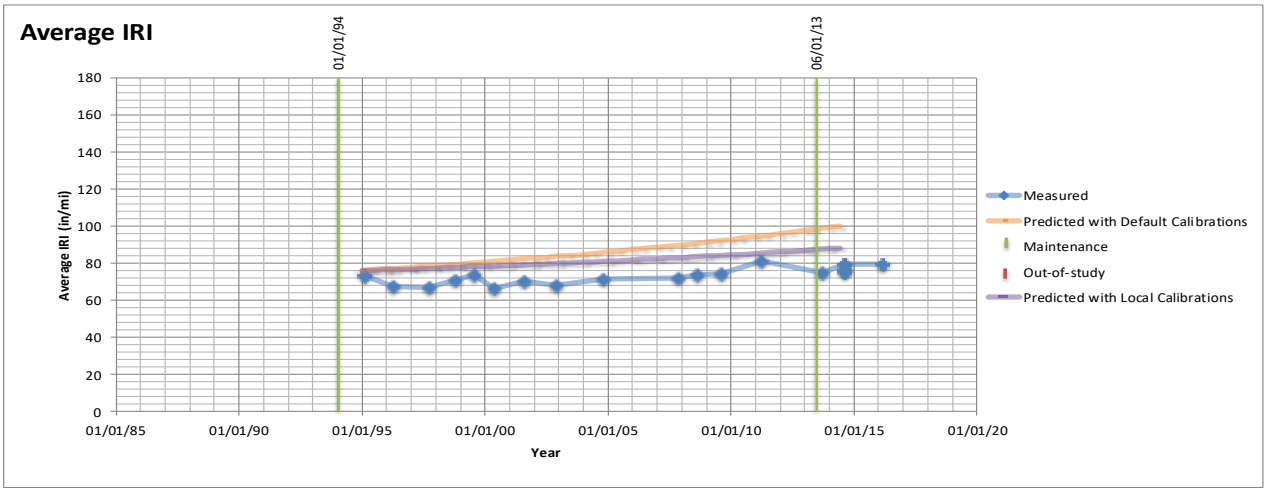


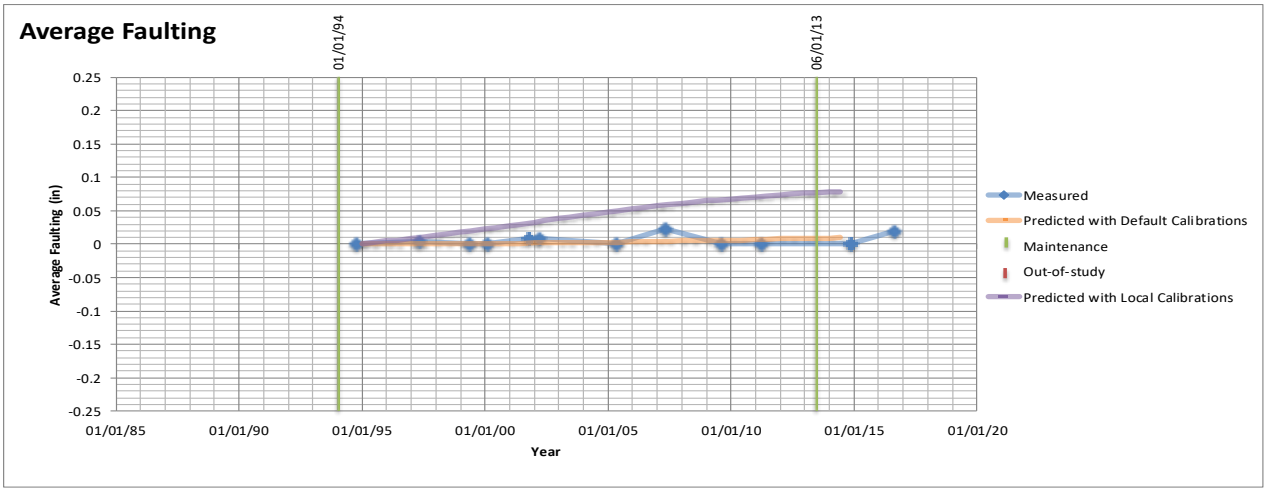


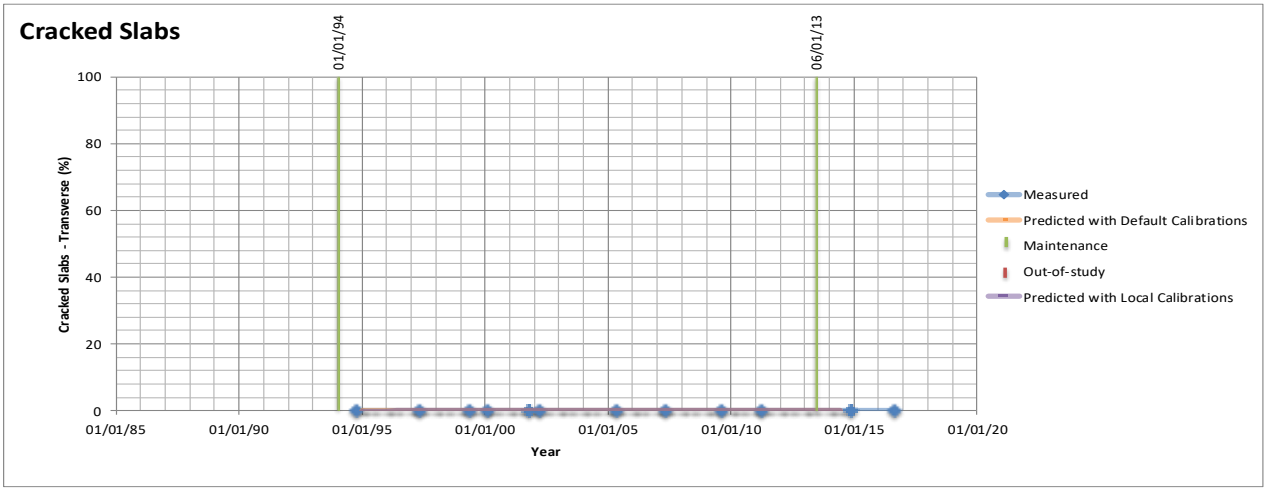


Date	Event
1-Jan-1992	In-study
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)
1-Apr-2016	Out-of-study

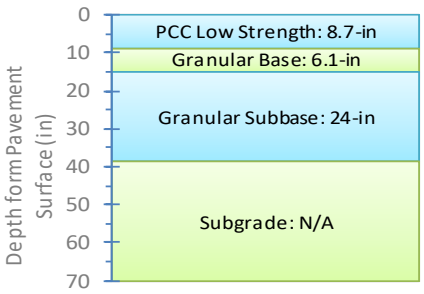


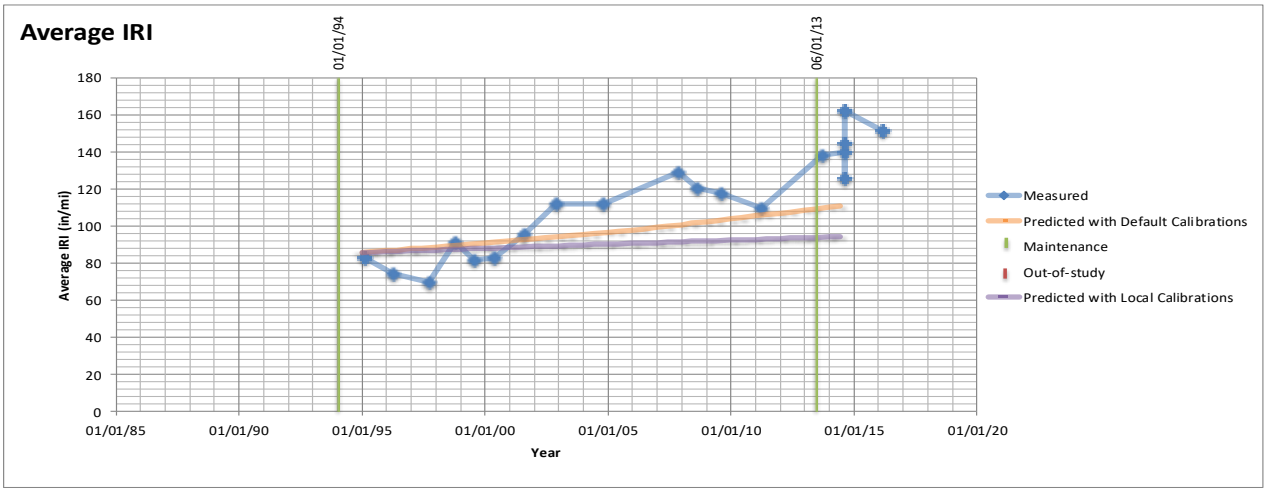


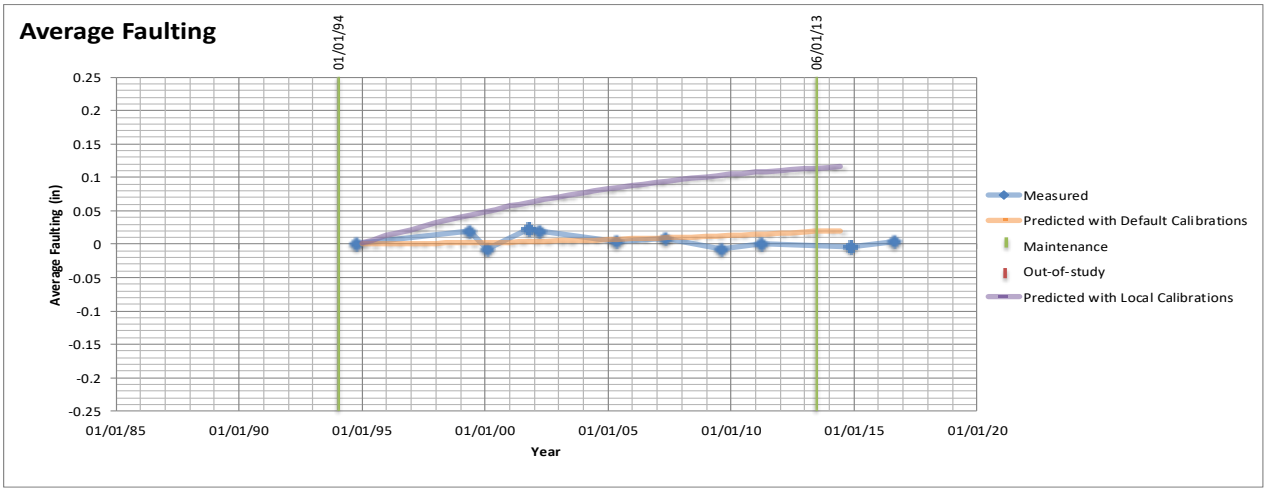


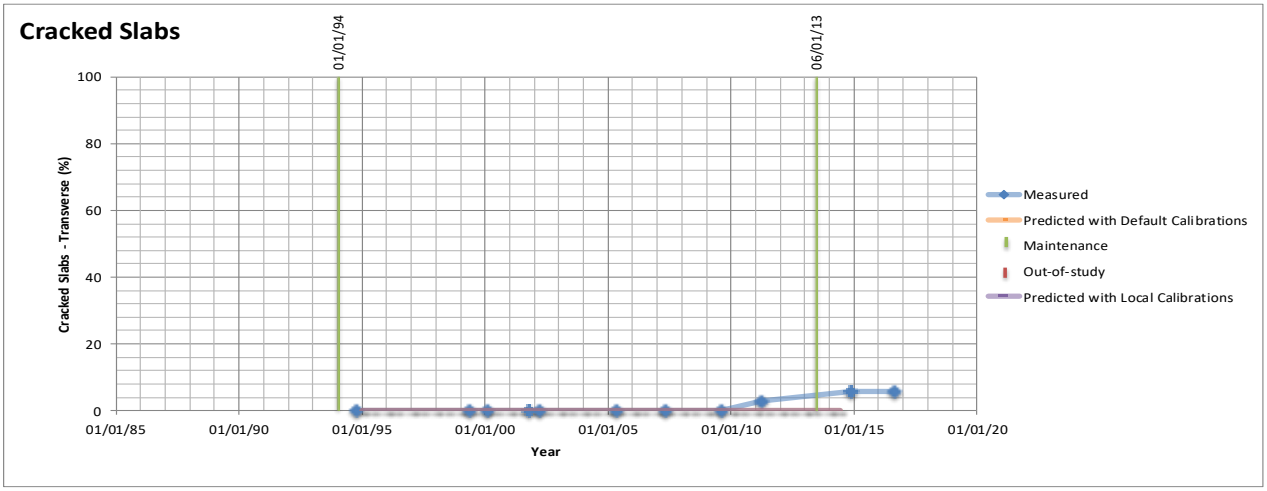


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration

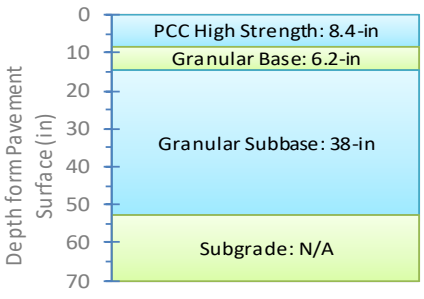


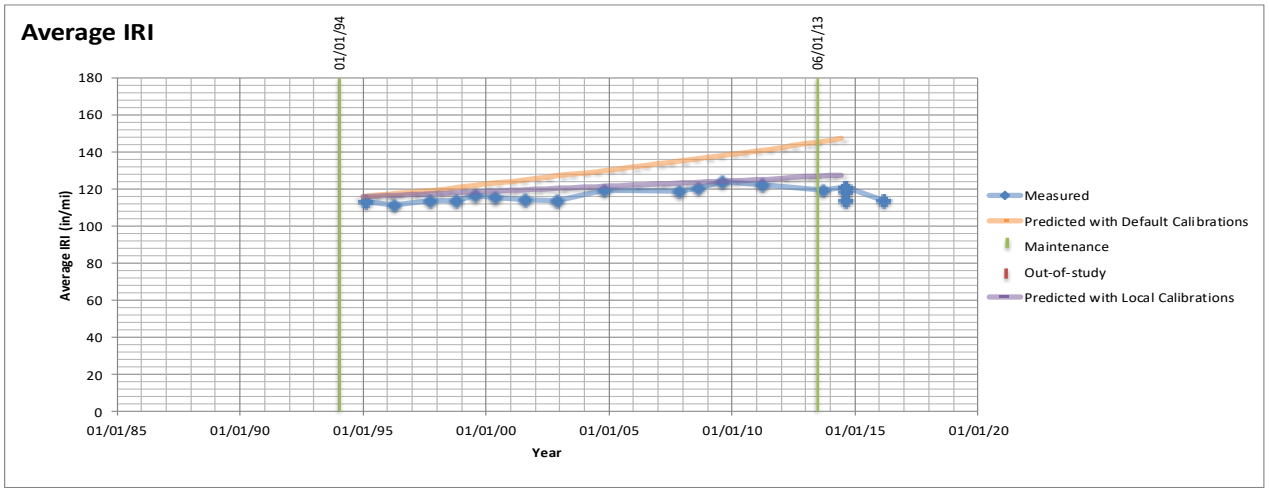


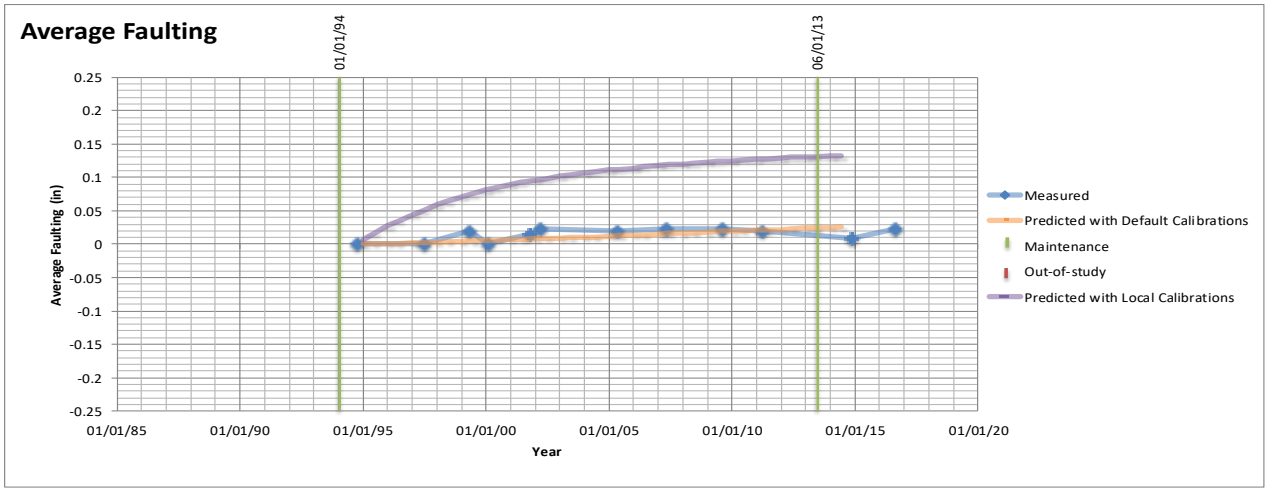


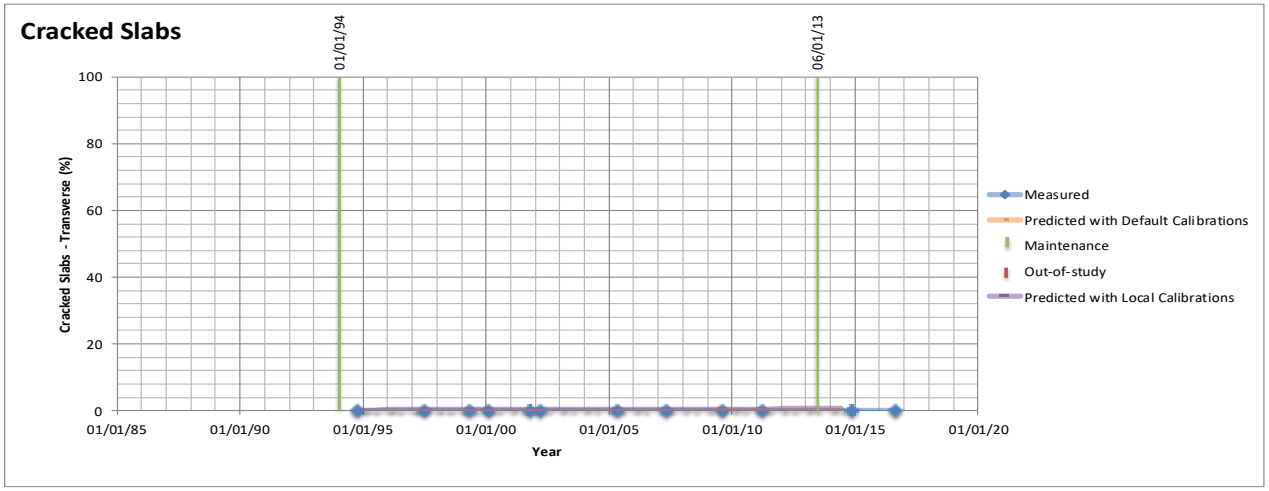


Date	Event
1-Jan-1994	In-study
1-Jun-2013	Crack Sealing; AC Shoulder Restoration

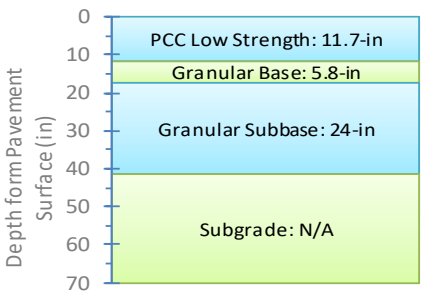


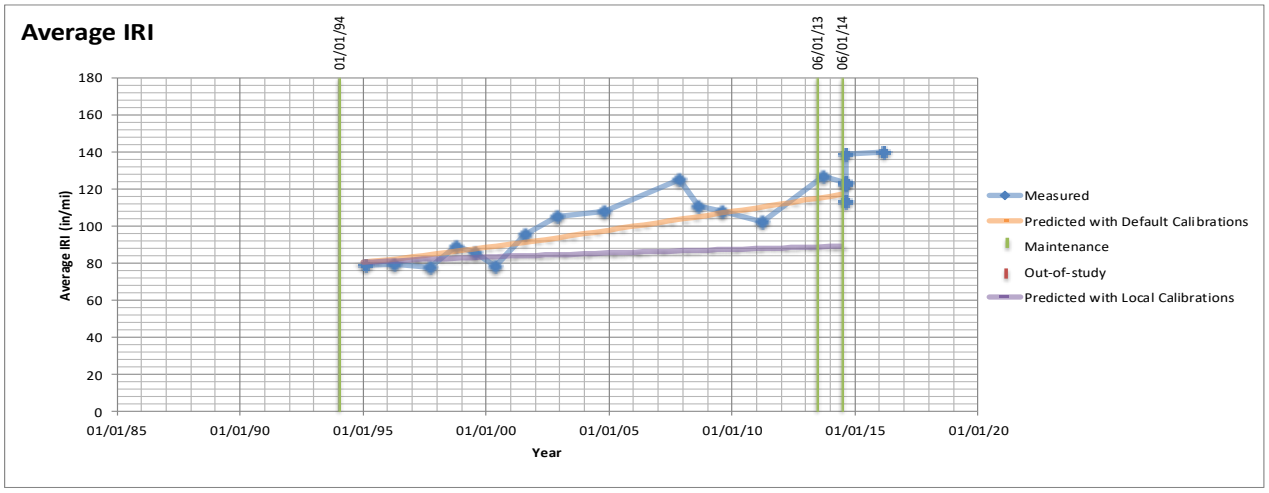


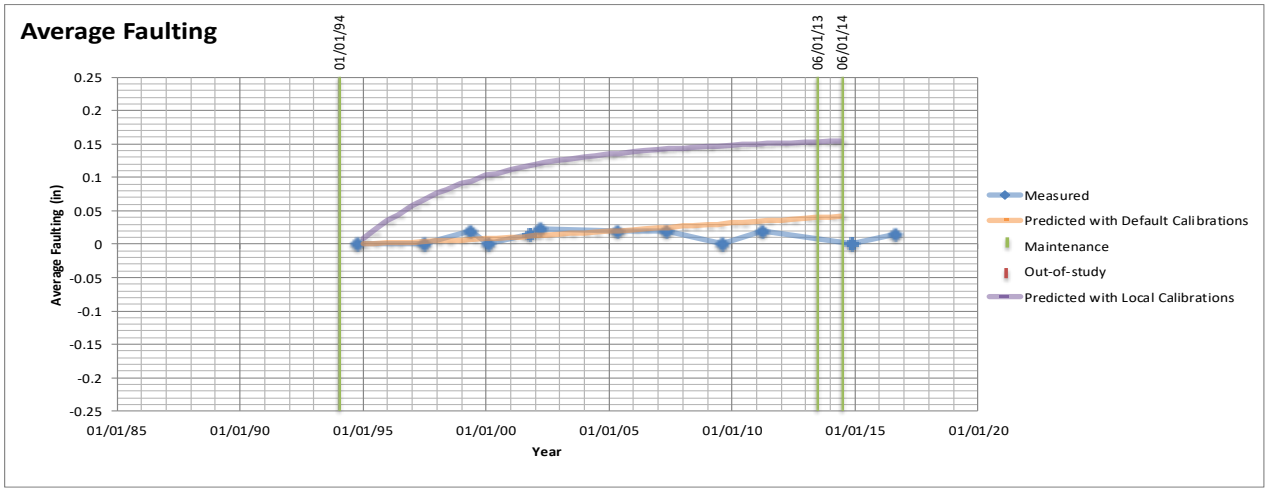


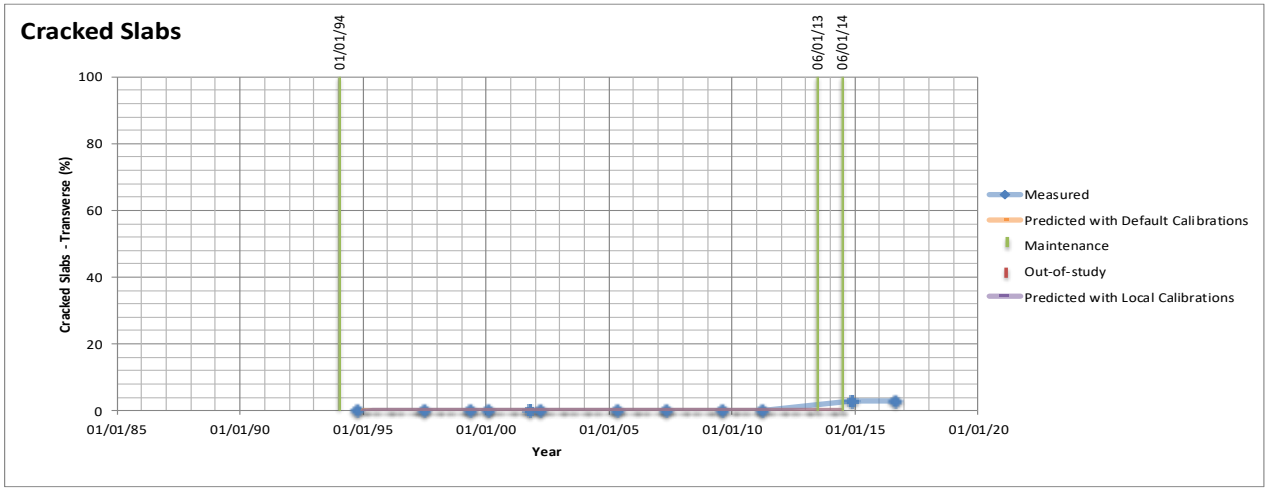


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration

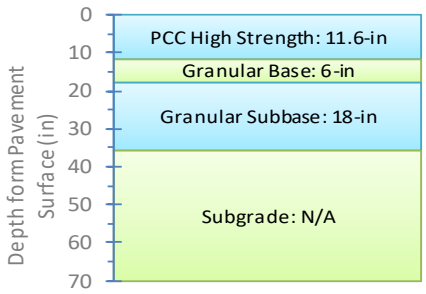


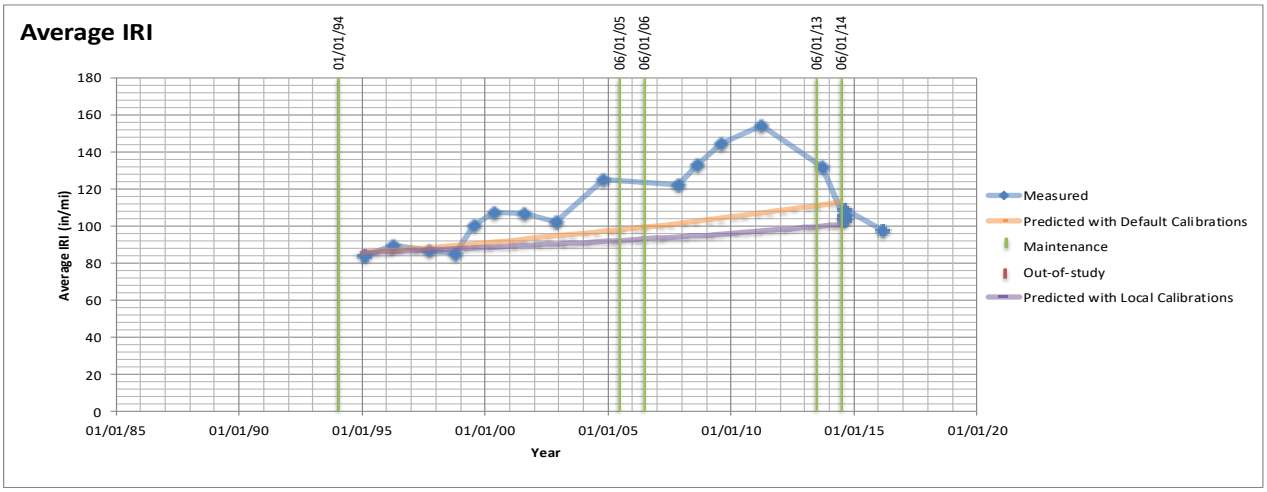


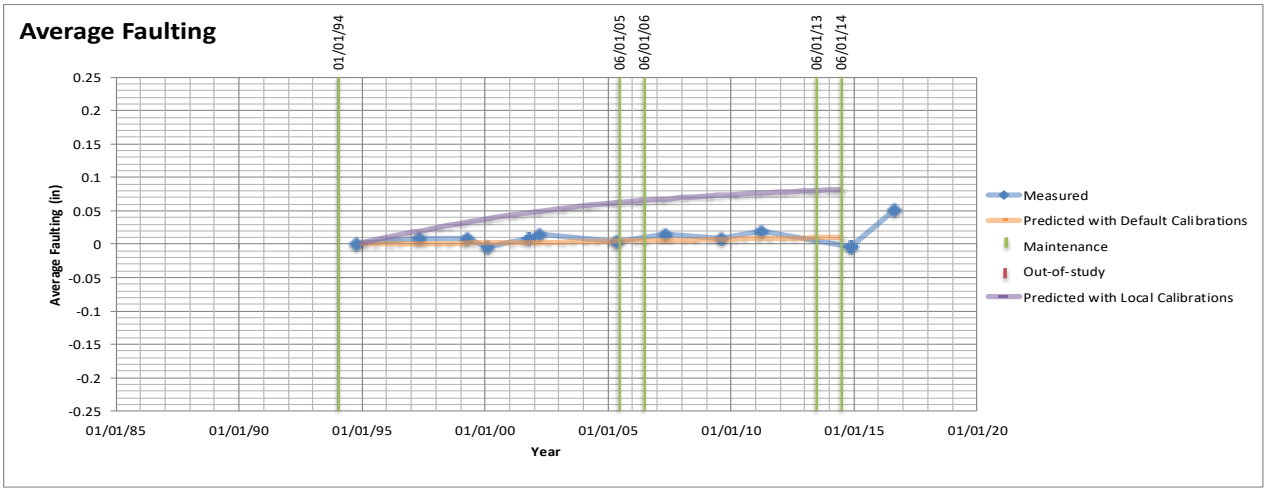


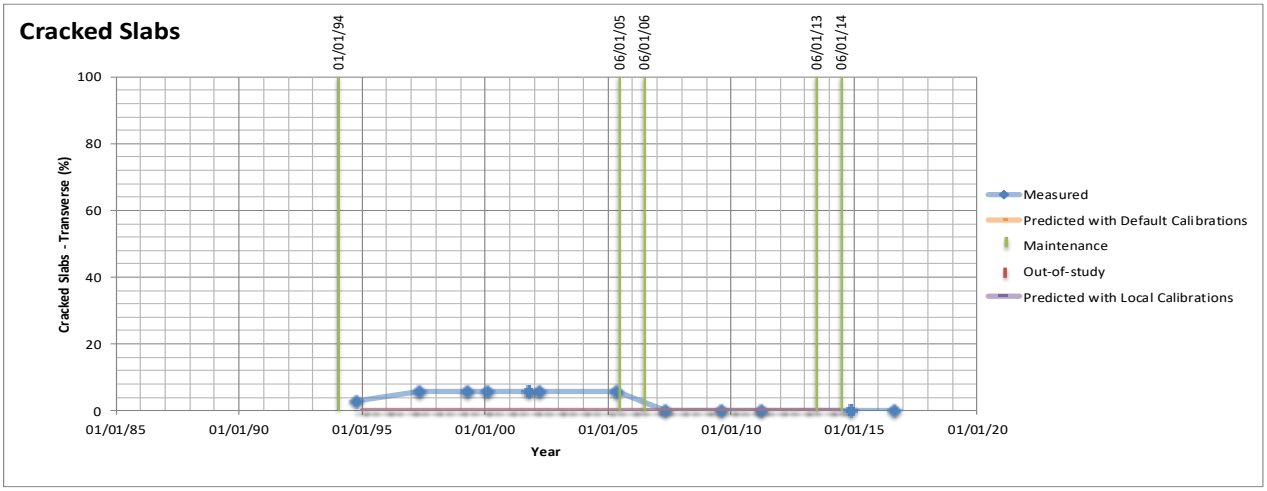


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)

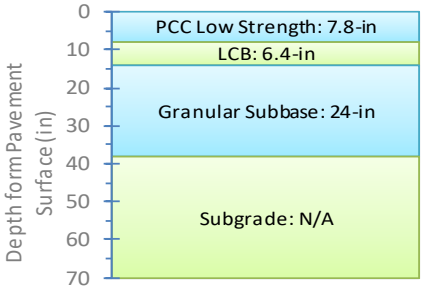


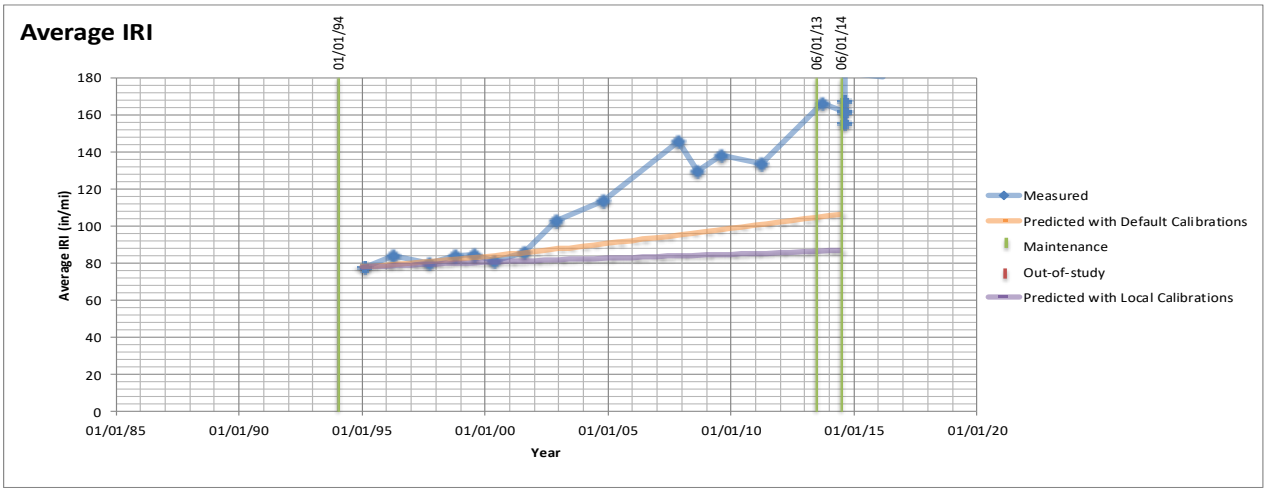


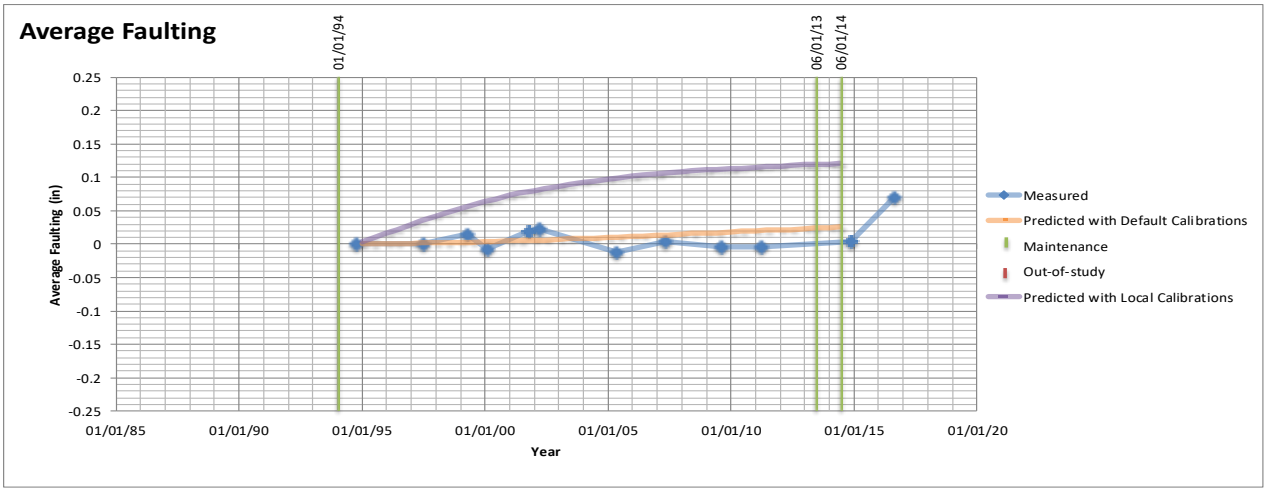


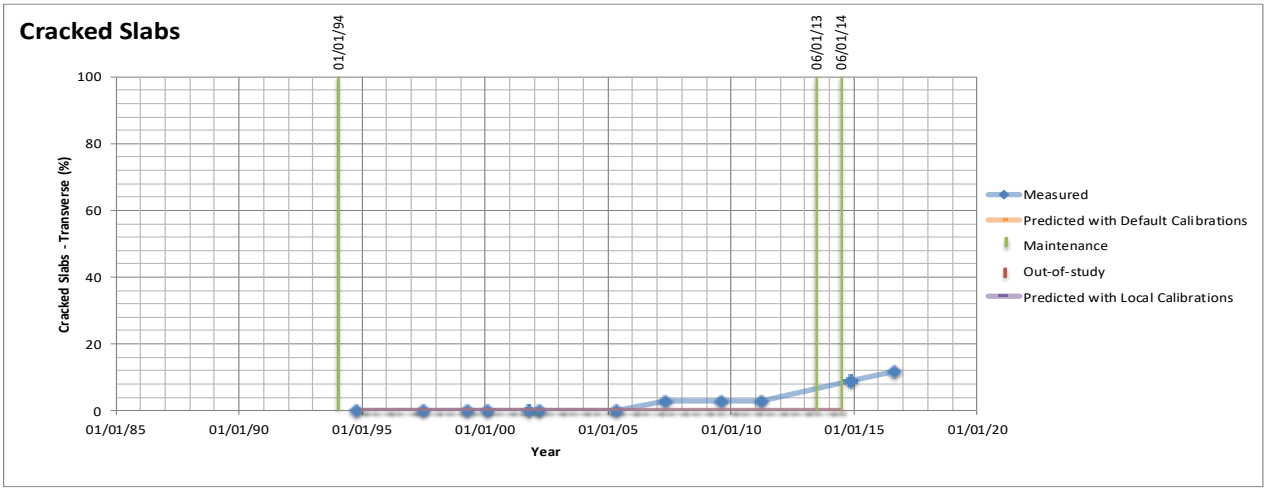


Date	Event
1-Jan-1994	In-study
1-Jun-2005	PCC Slab Replacement
1-Jun-2006	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing; Full Depth
1-Jun-2013	PCC Slab Replacement; AC Shoulder Restoration; Partial depth patching of PCC
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)

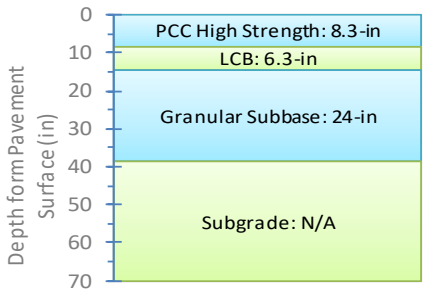


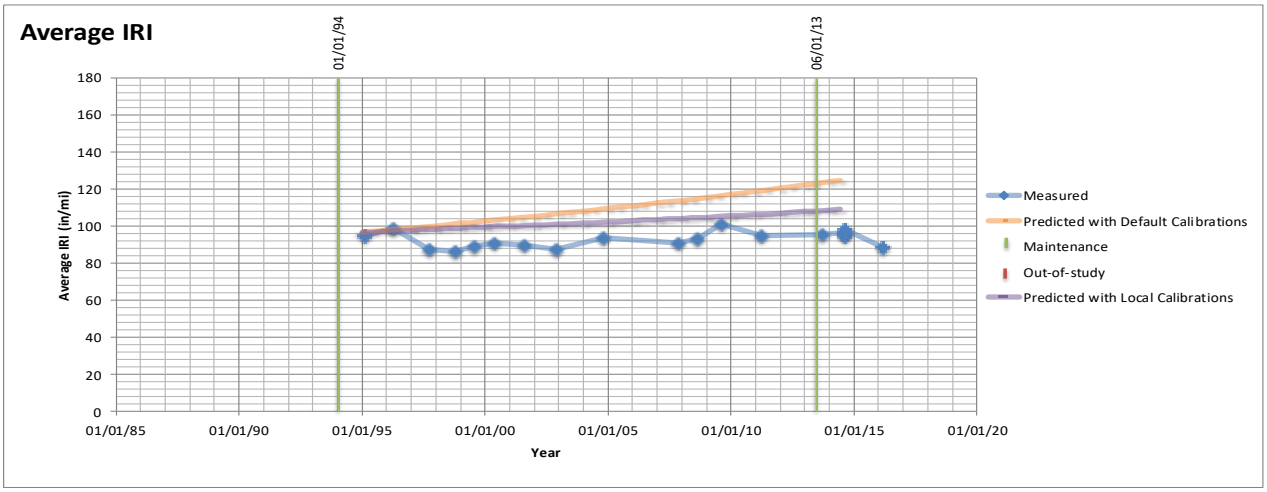


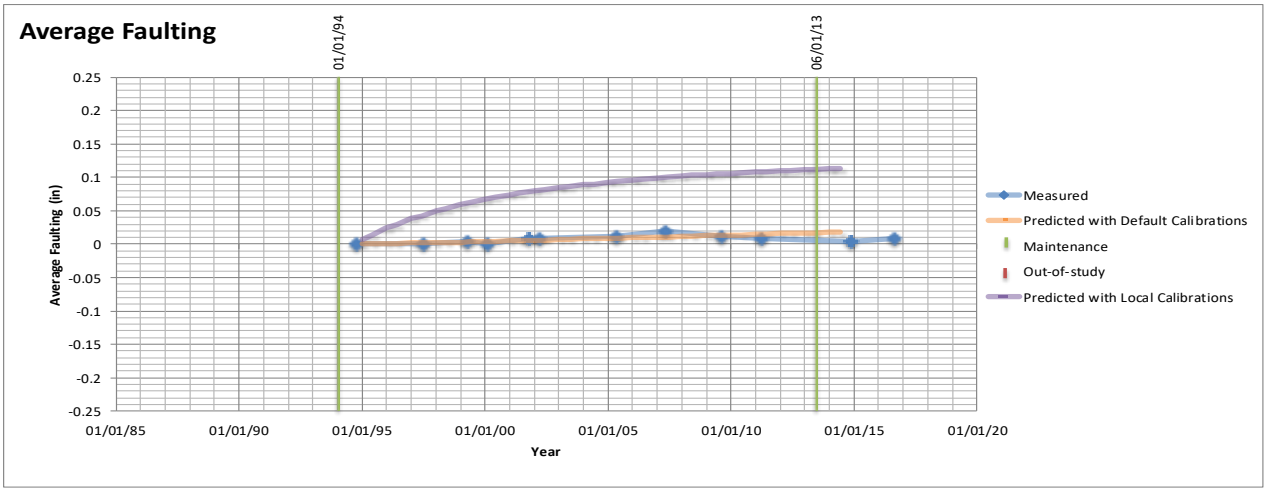


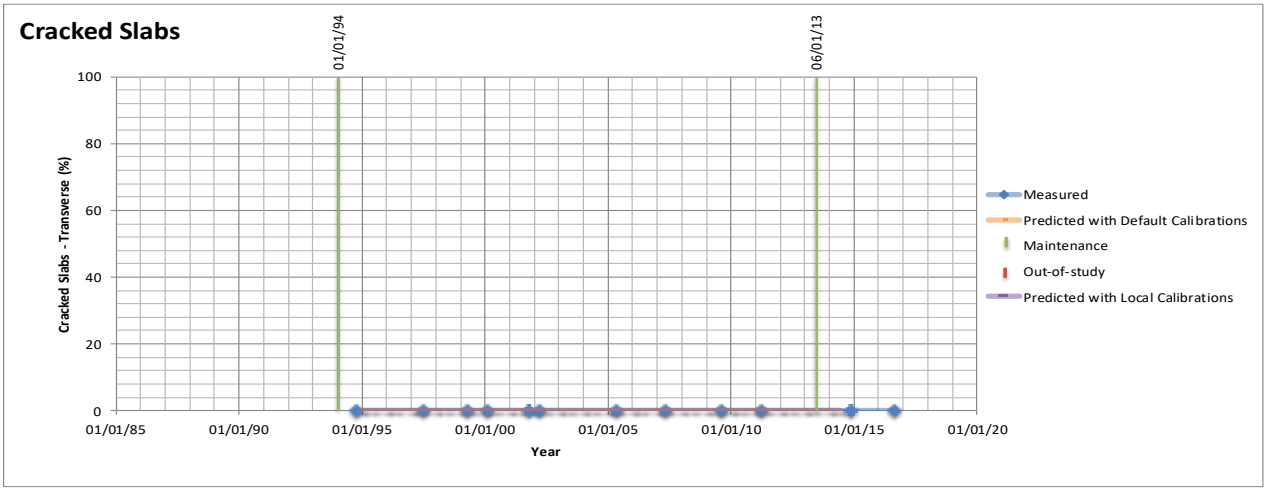


Date	Event
1-Jan-1994	In-study
1-Jun-2013	Partial Depth Patching of PCC Pavement Other Than at Joint; AC Shoulder
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)

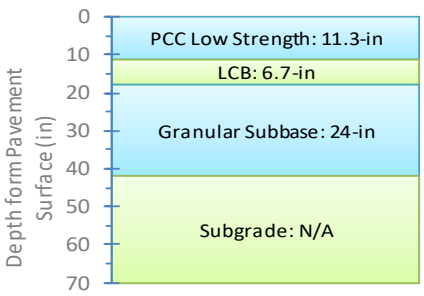


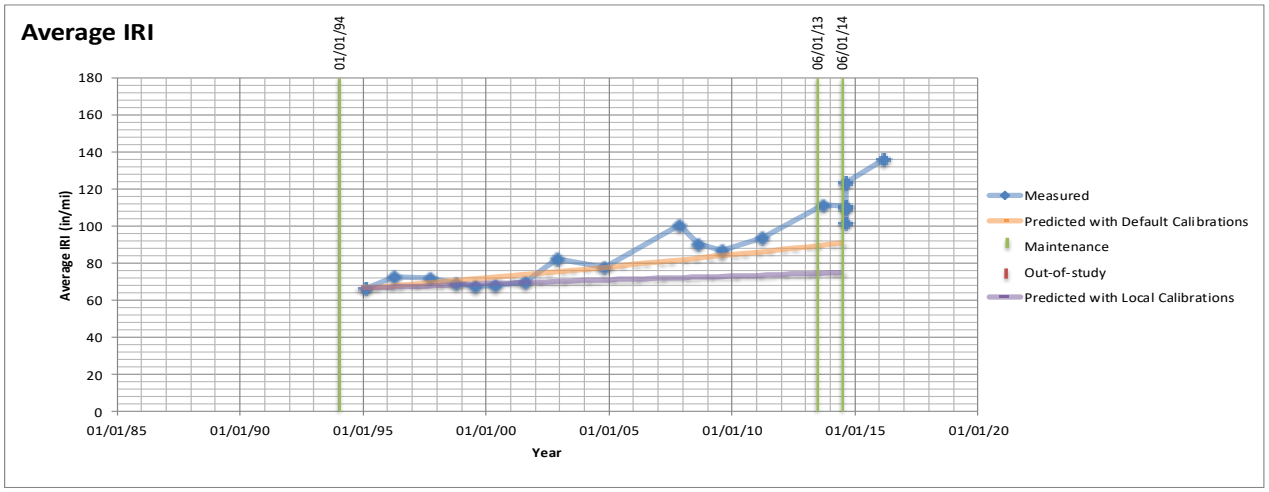


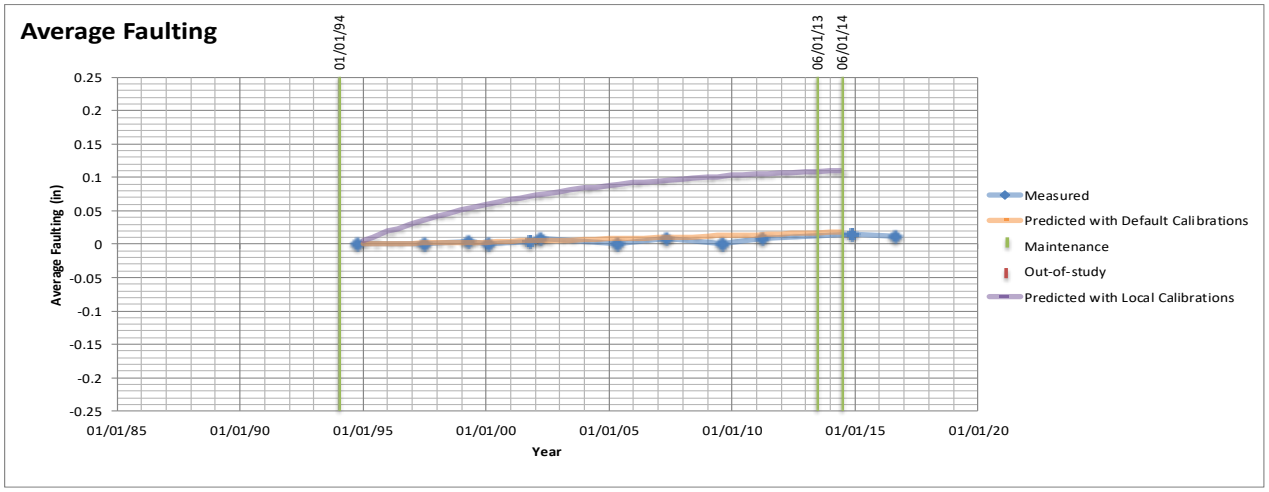


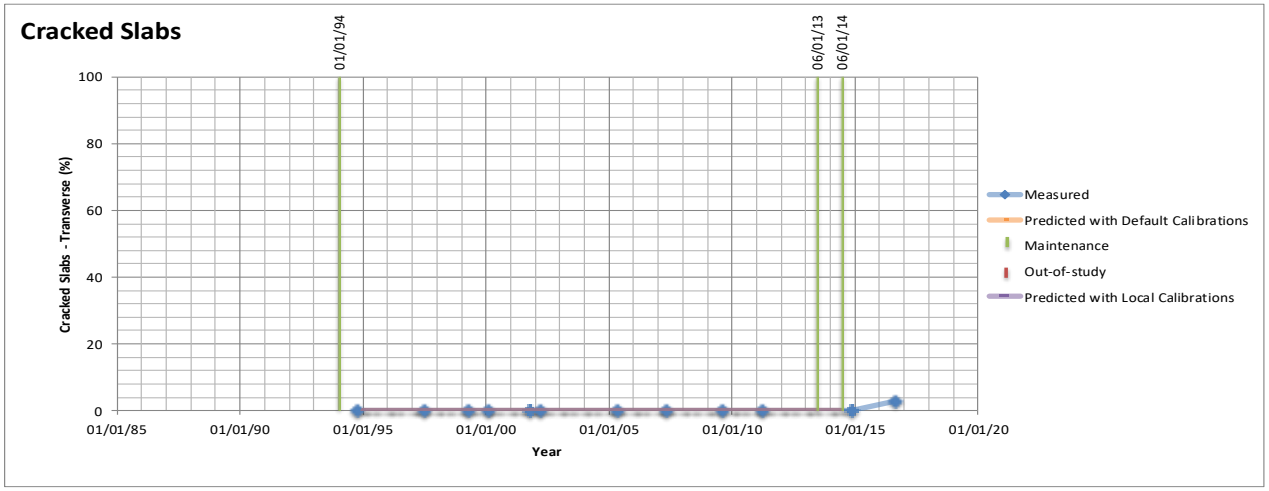


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration

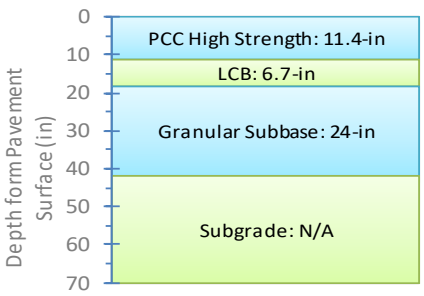


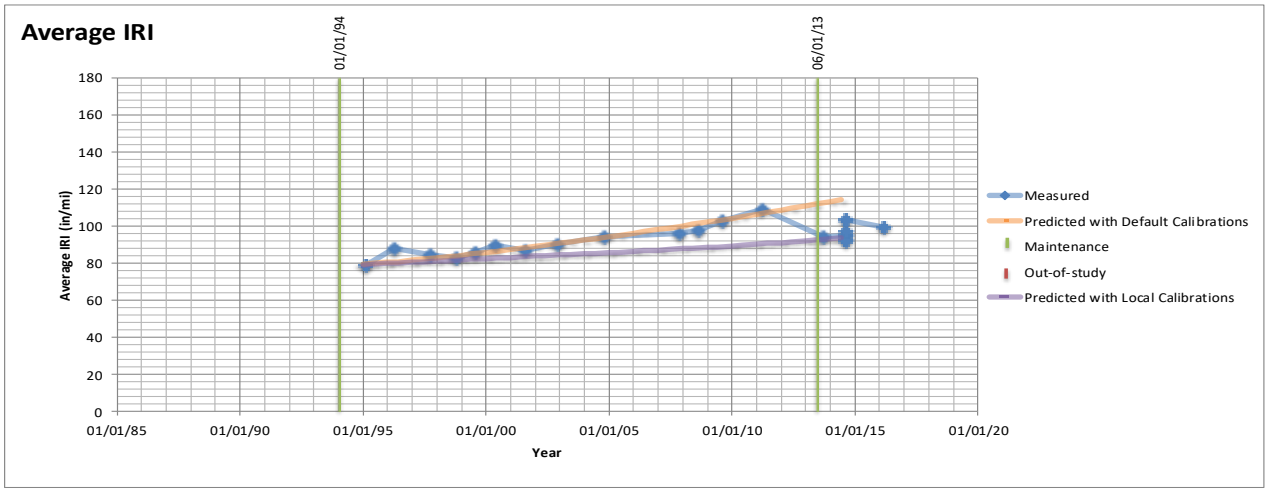


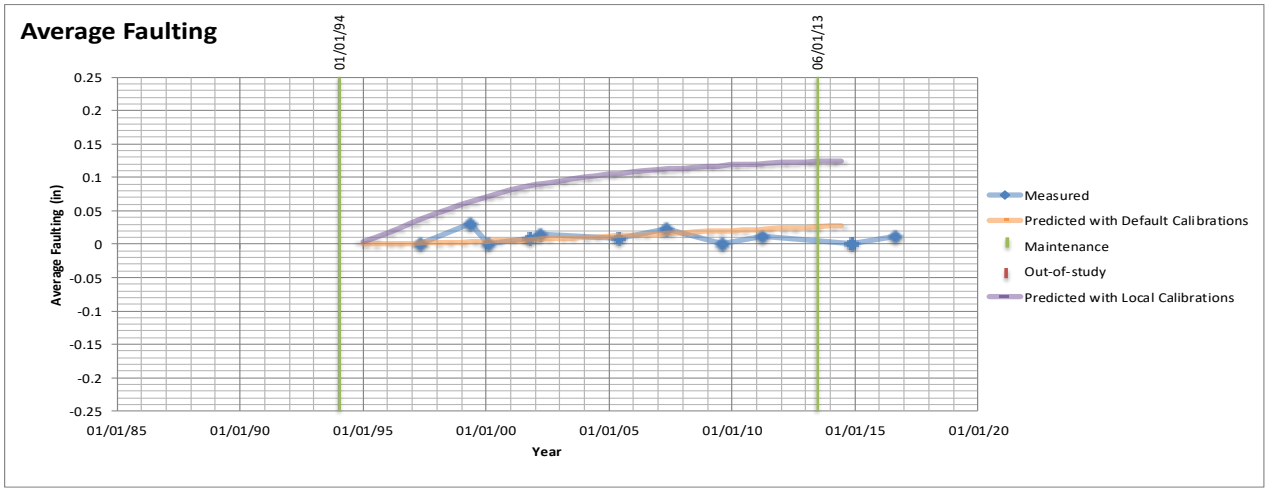


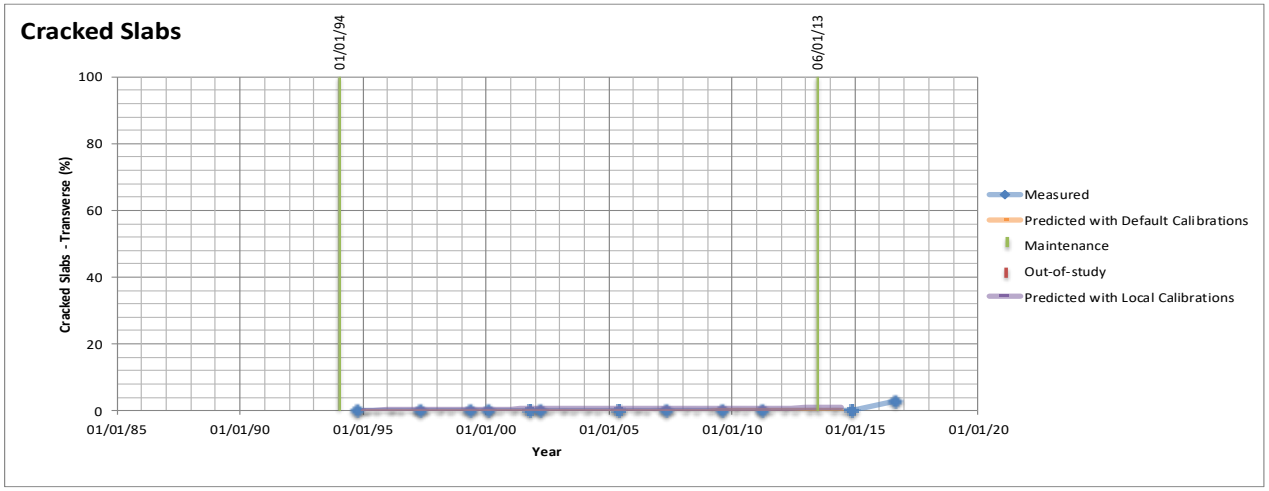


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration; Partial depth patching of PCC pavements at joints
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)

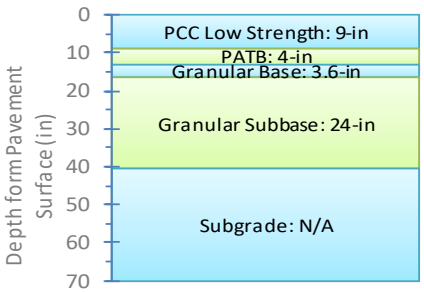


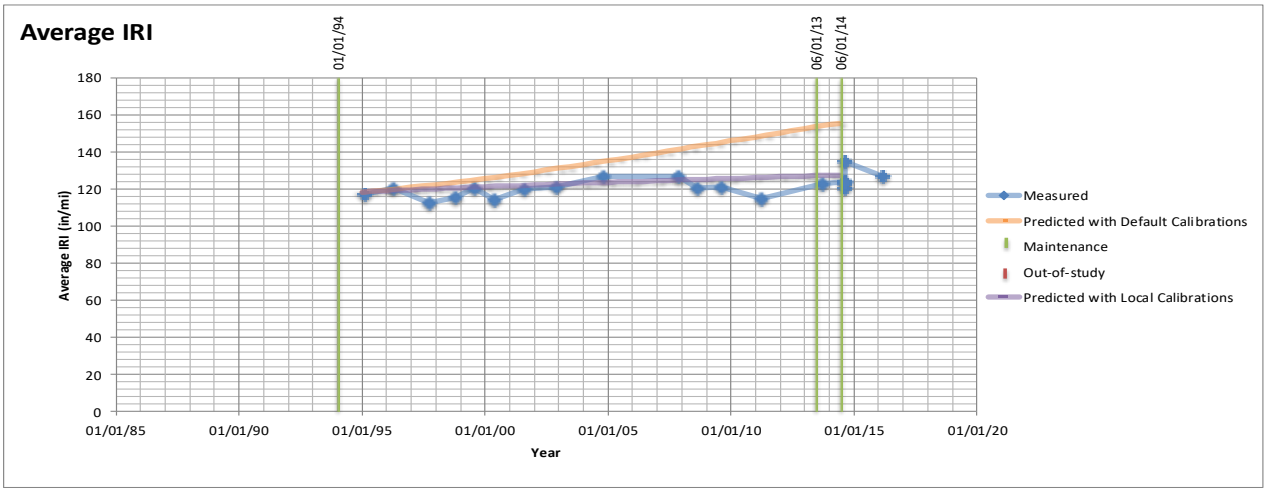


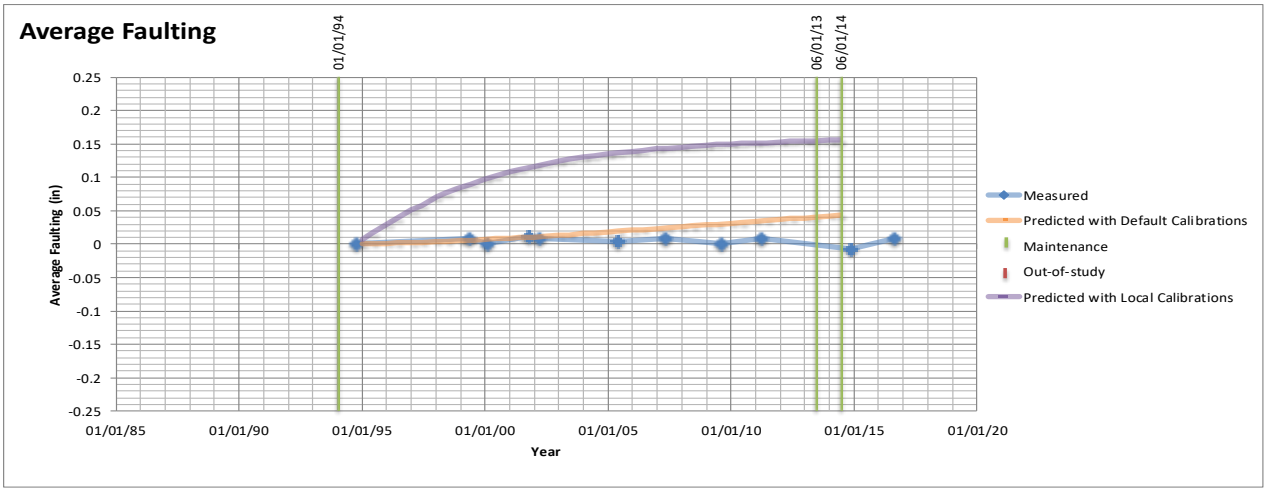


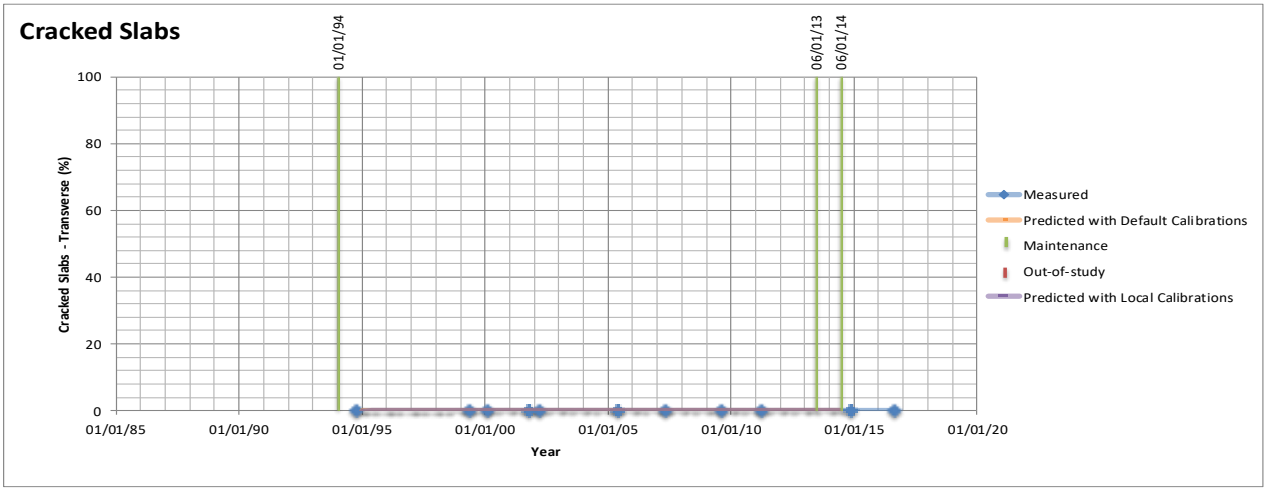


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration

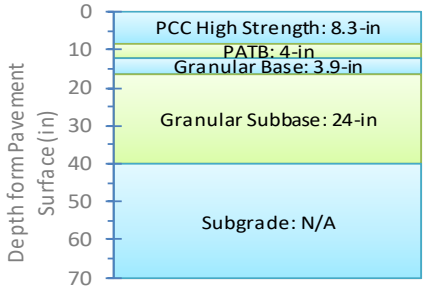


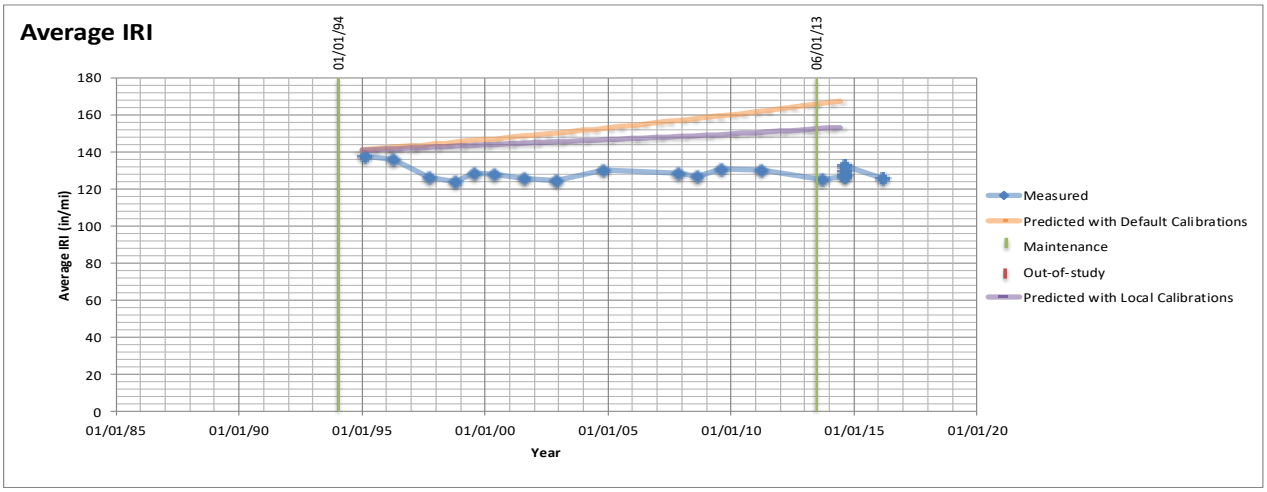


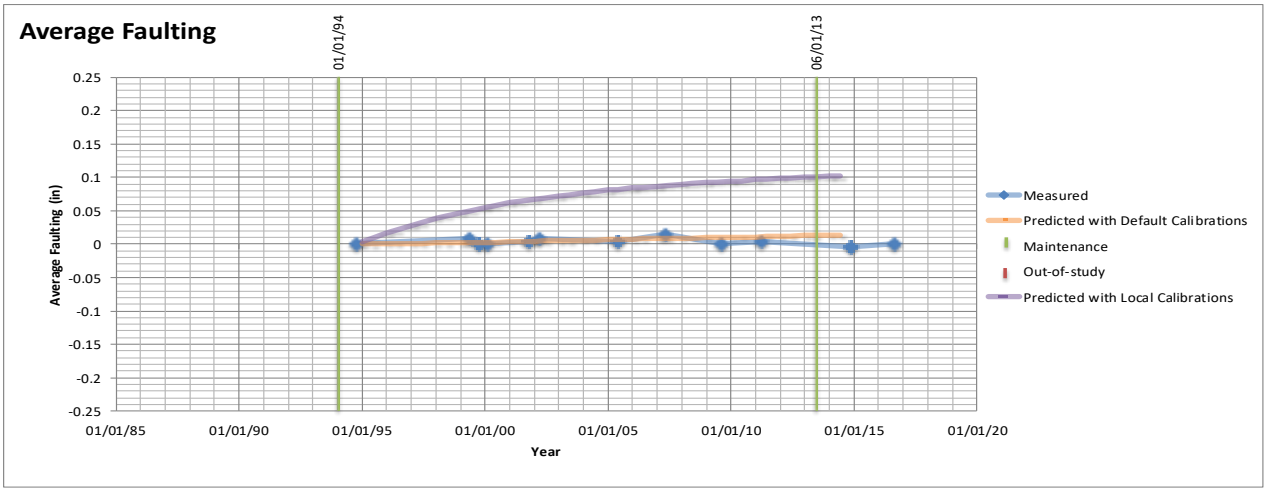


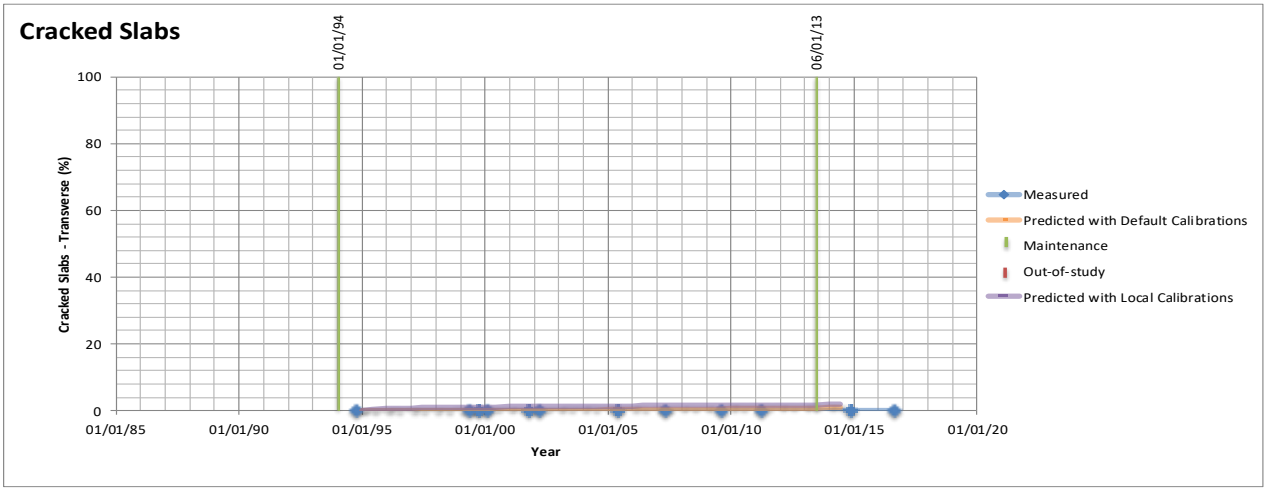


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration; Partial depth patching of PCC pavements at joints
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)

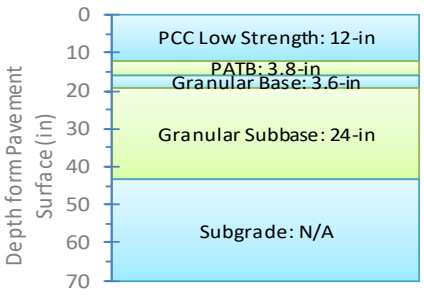


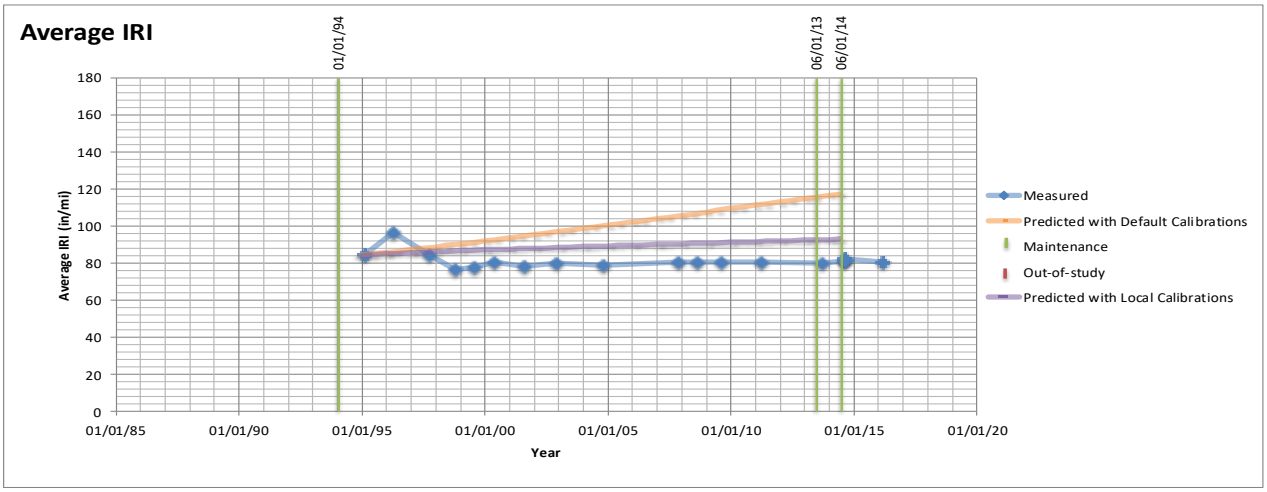


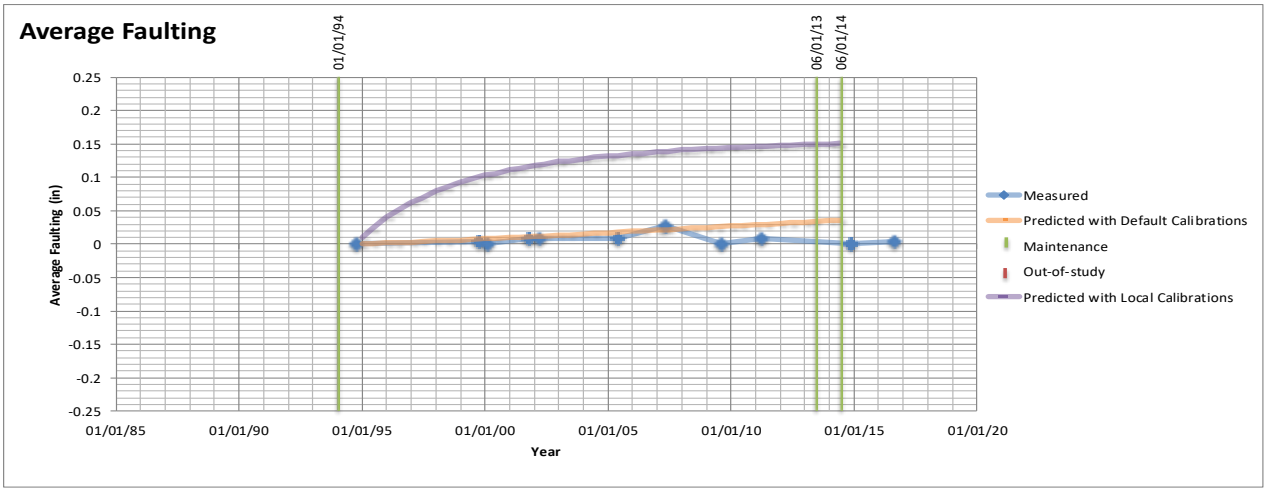


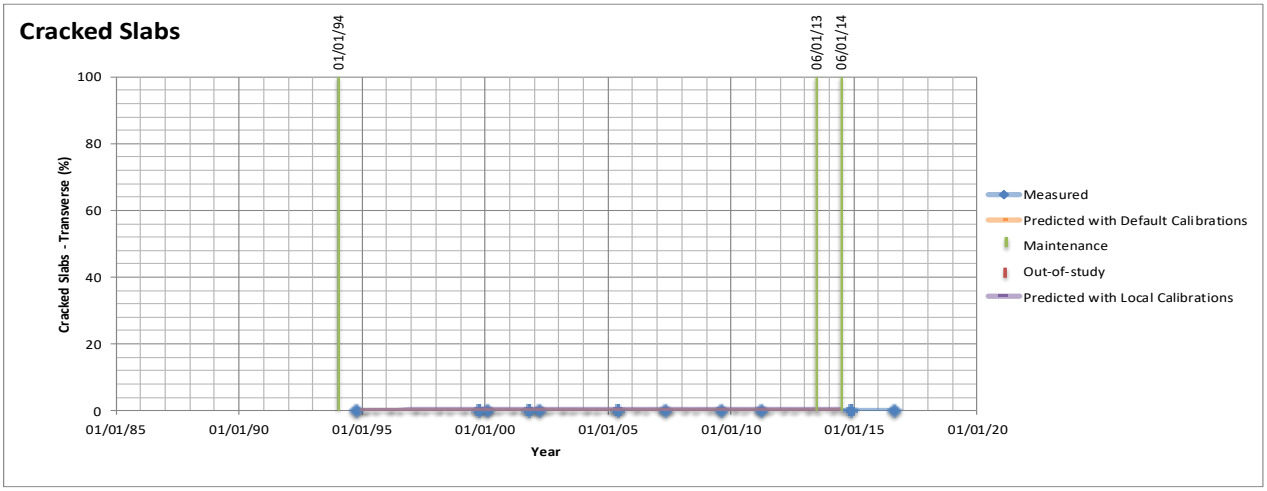


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration

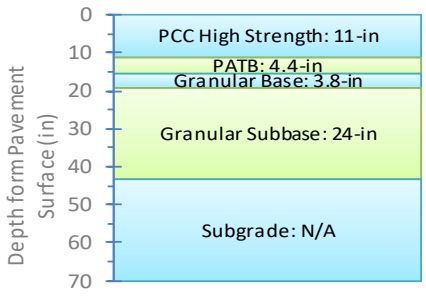


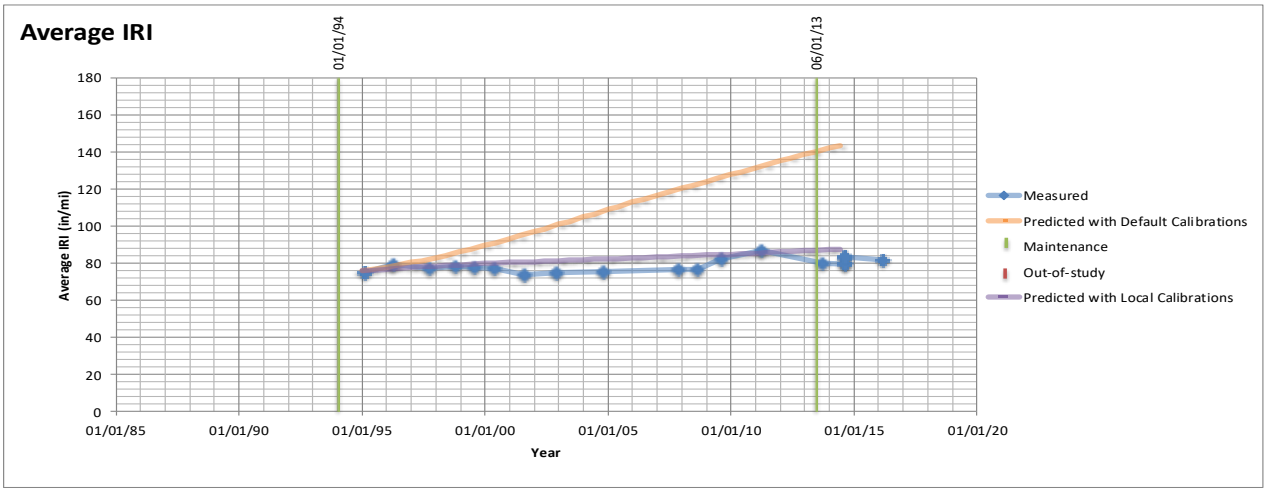


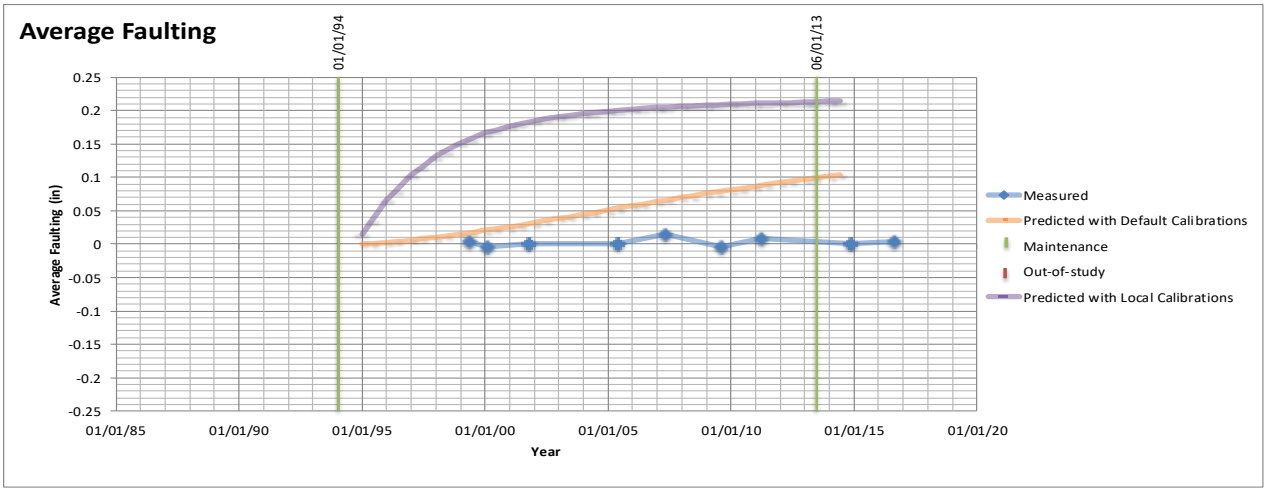


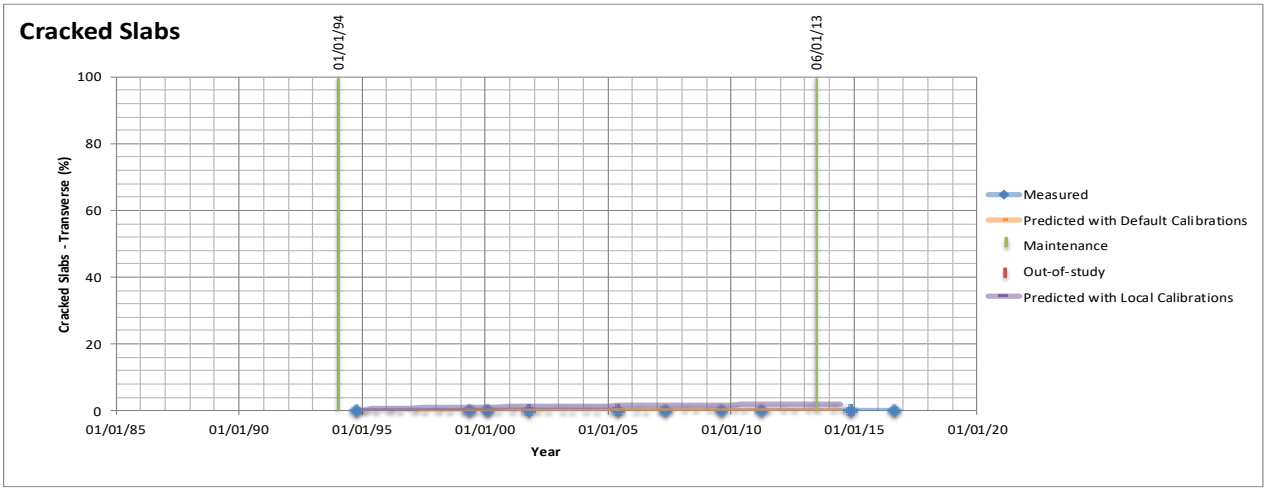


Date	Event
1-Jan-1994	In-study
1-Jun-2013	Partial Depth Patching of PCC Pavement Other Than at Joint; AC Shoulder
1-Jun-2014	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)

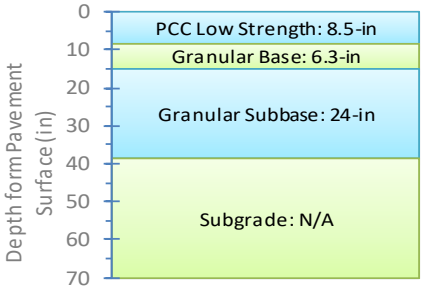


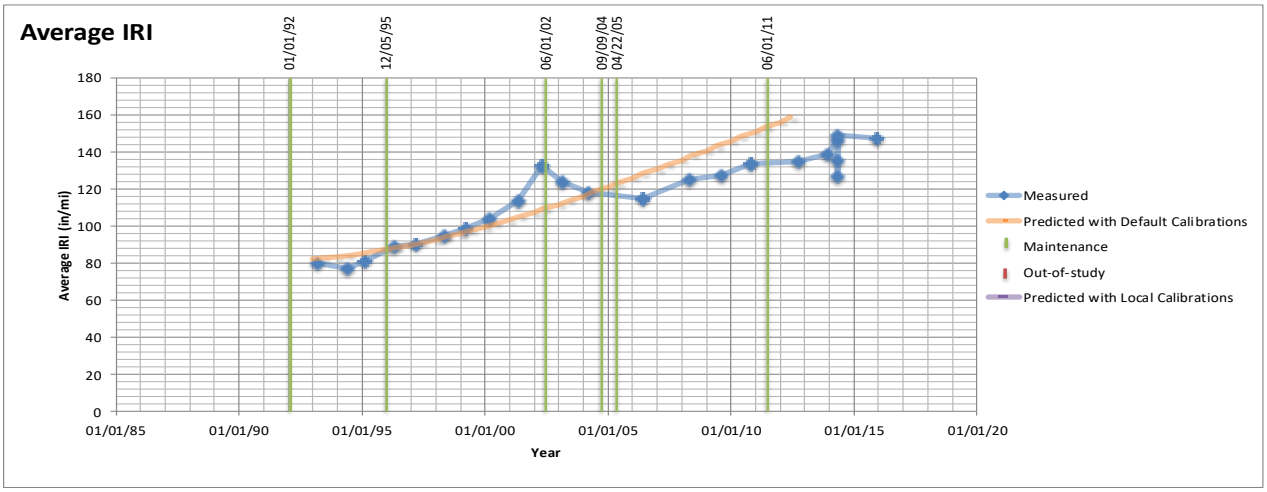


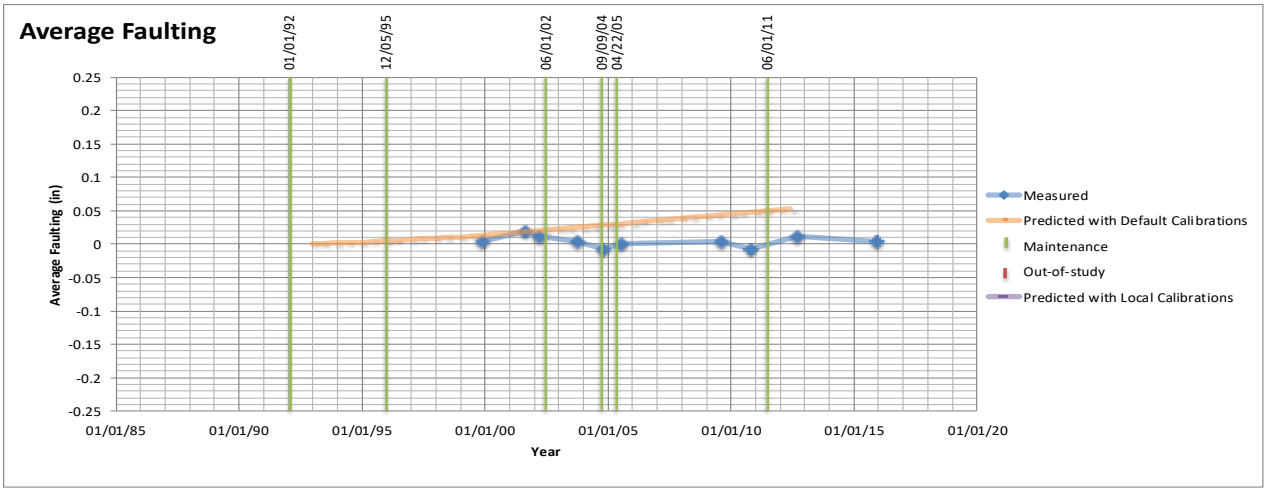


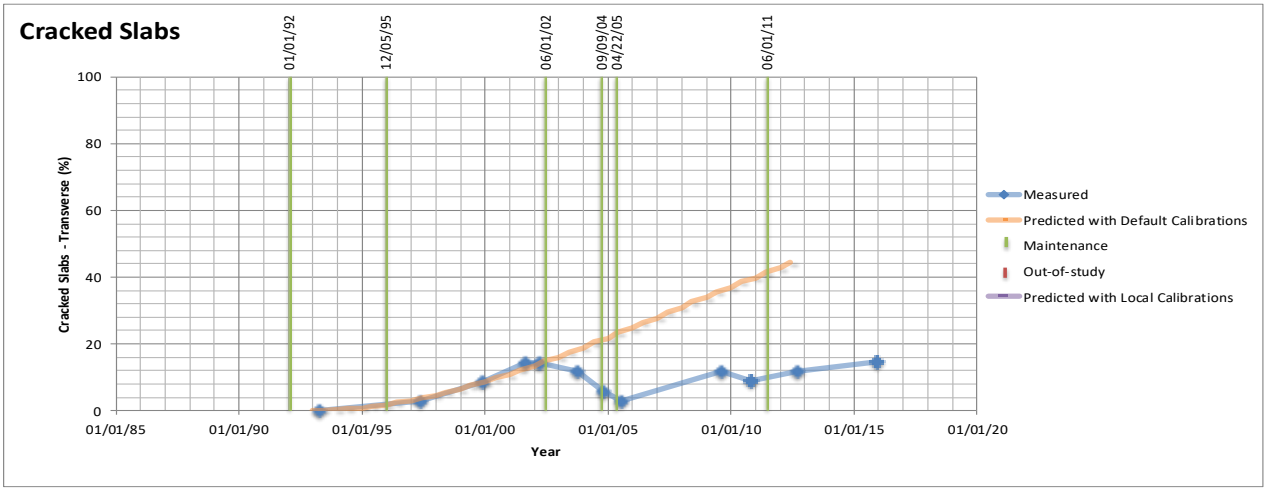


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration

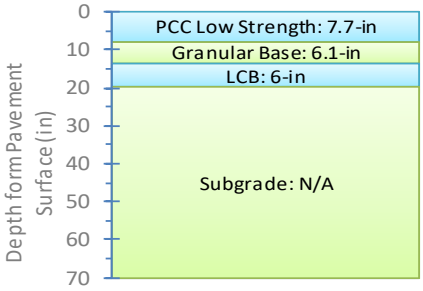


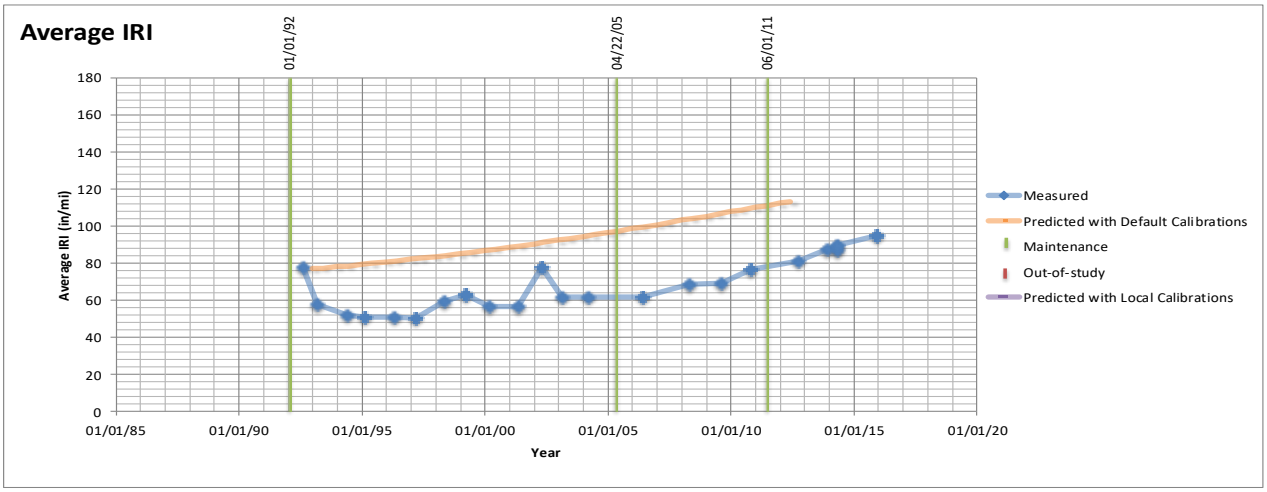


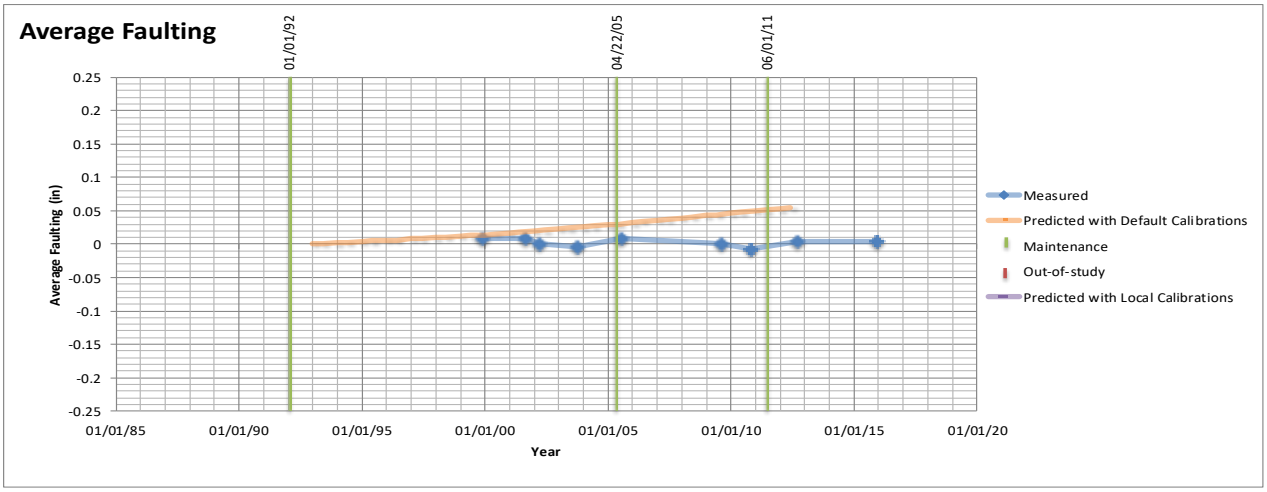


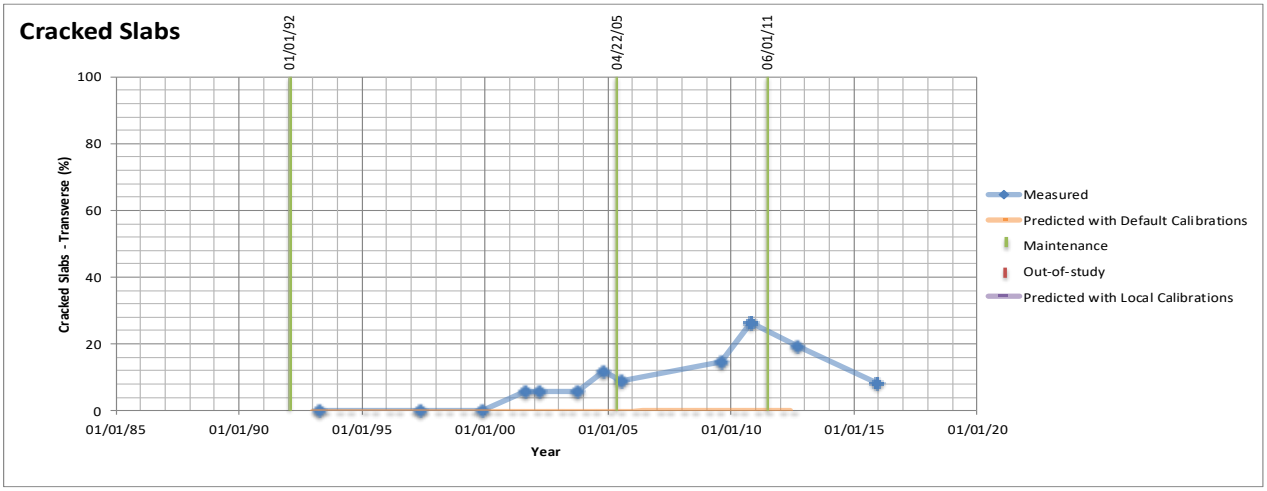


Date	Event
1-Jan-1992	In-study
5-Dec-1995	PCC Slab Replacement; Partial depth patching of PCC pavements at joints
1-Jun-2002	PCC Slab Replacement
9-Sep-2004	PCC Slab Replacement
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2011	Full Depth Transverse Joint Repair Patch; Full Depth Patching of PCC Pavement

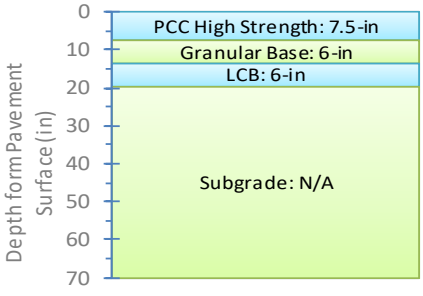


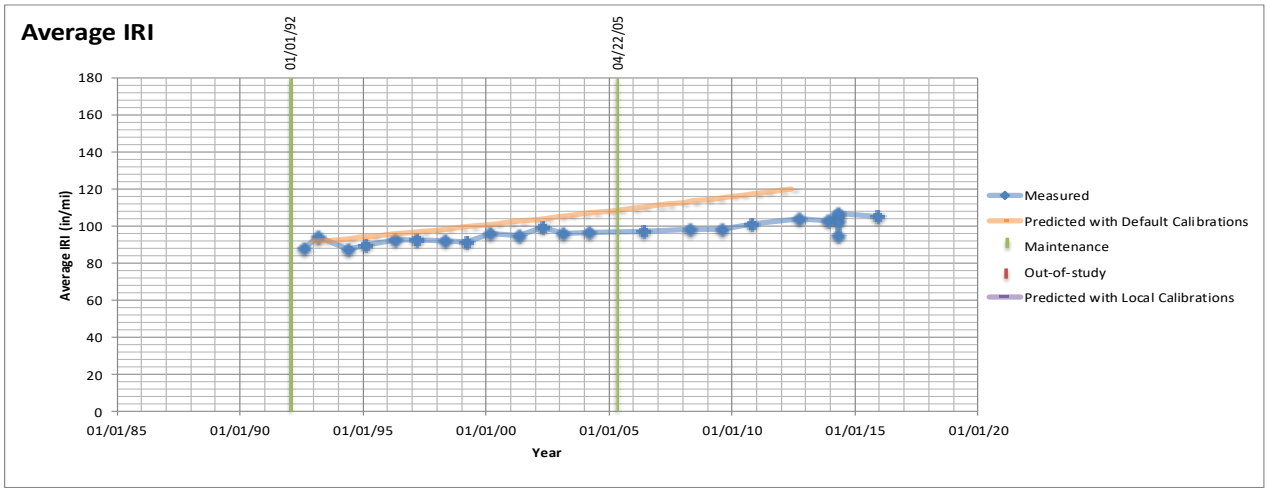


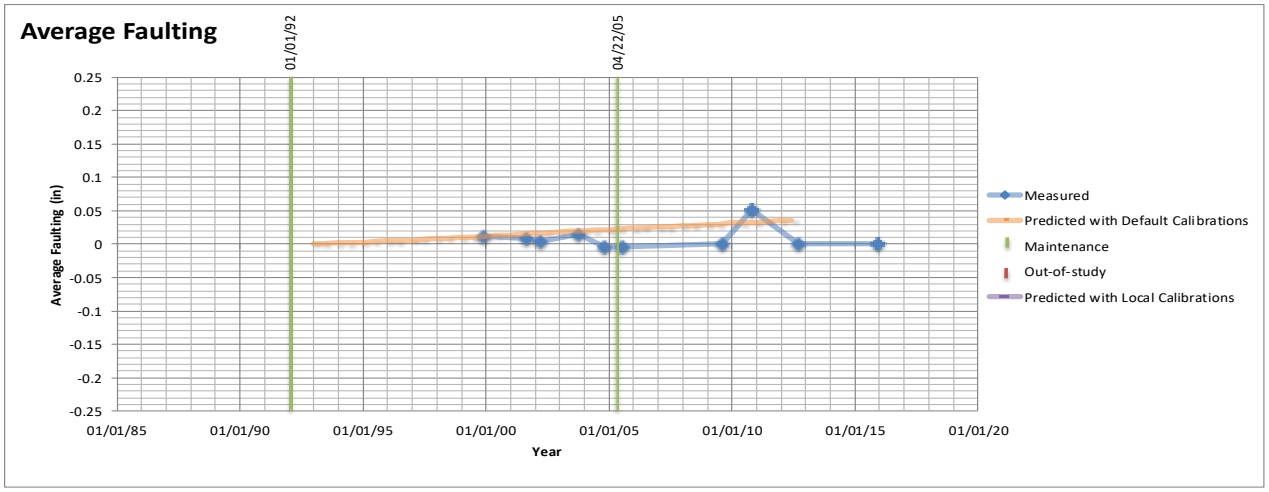


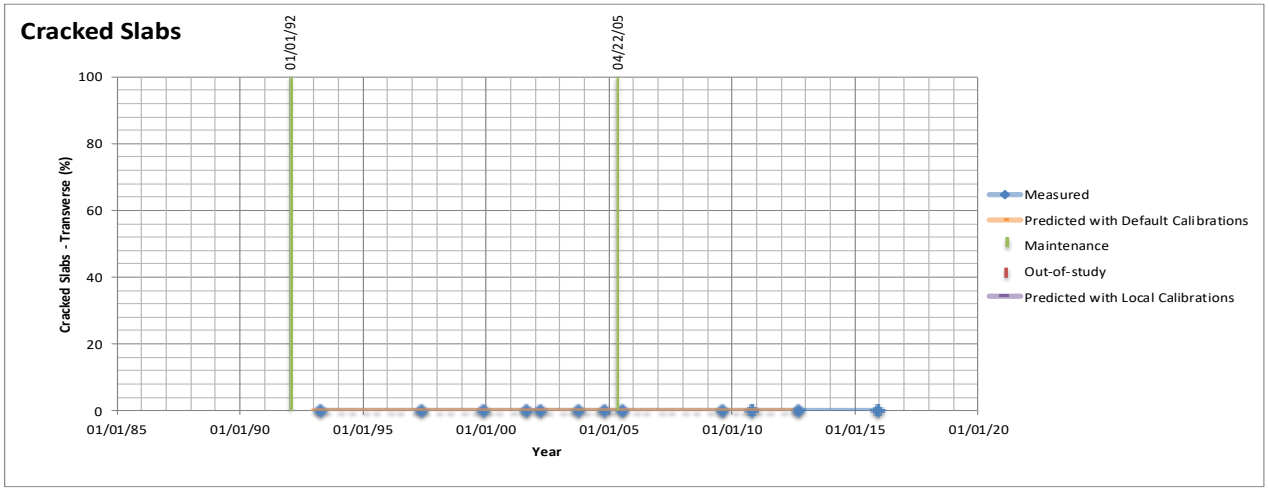


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2011	Full Depth Transverse Joint Repair Patch; Full Depth Patching of PCC Pavement

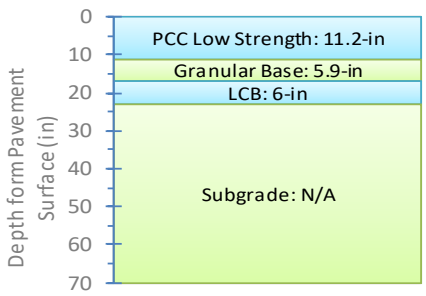


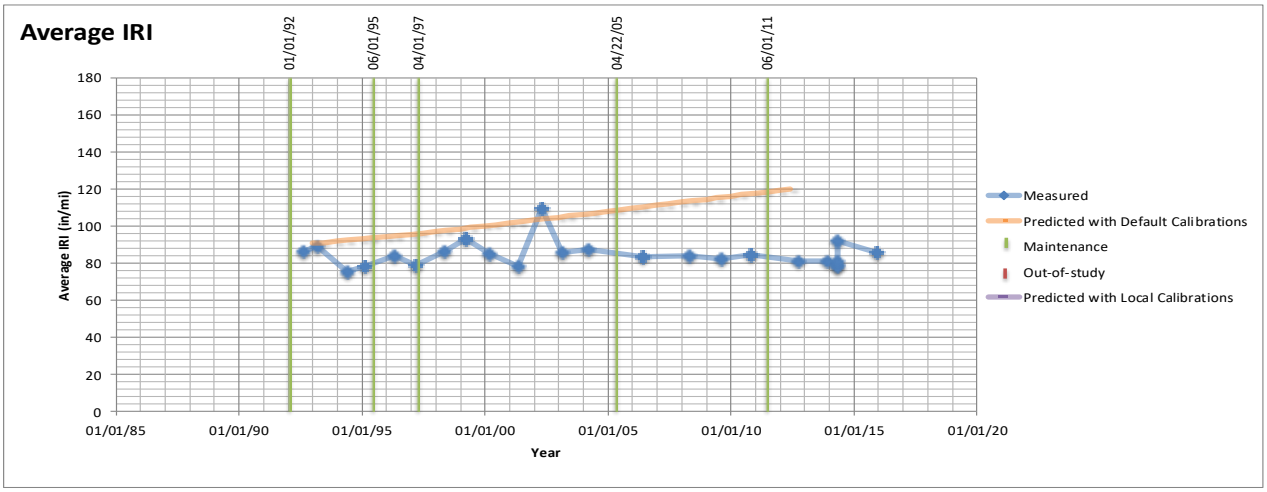


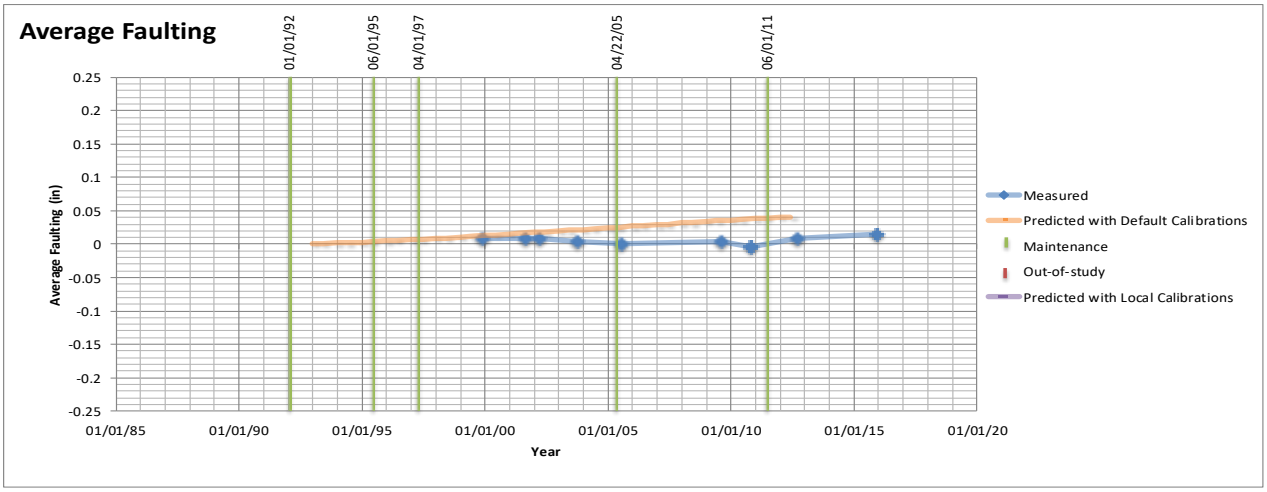


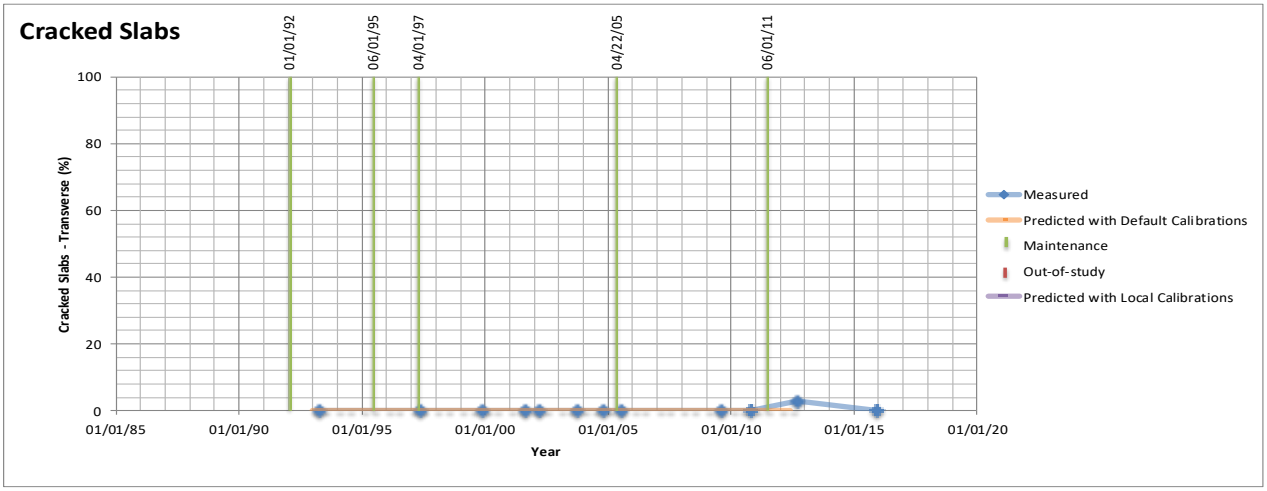


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing

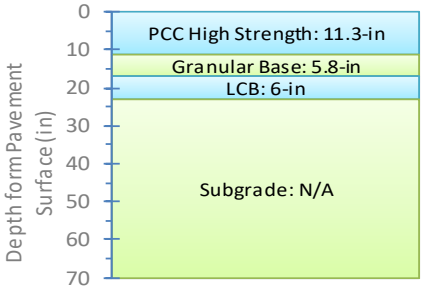


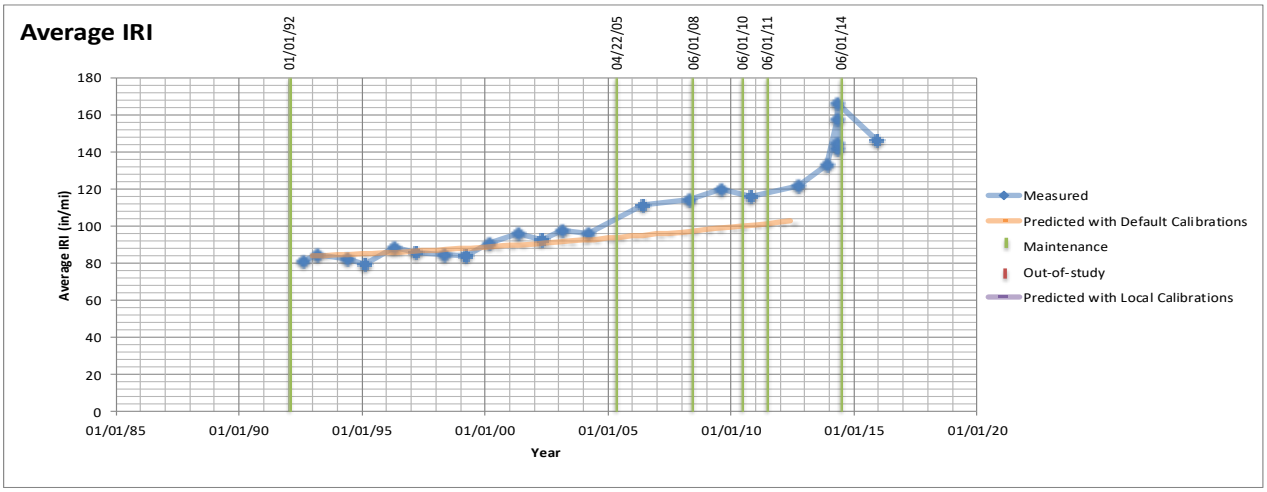


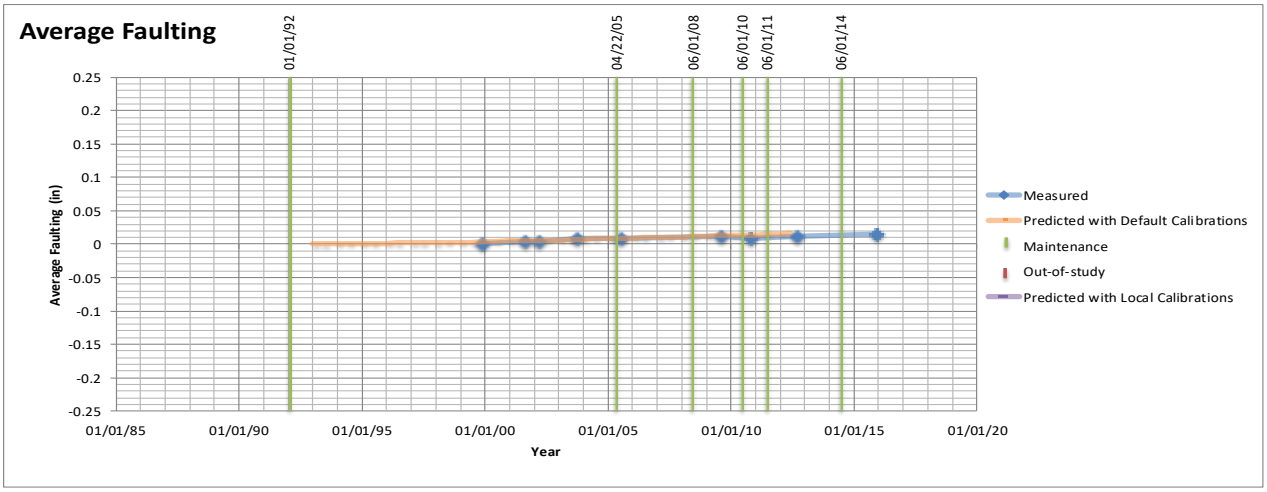


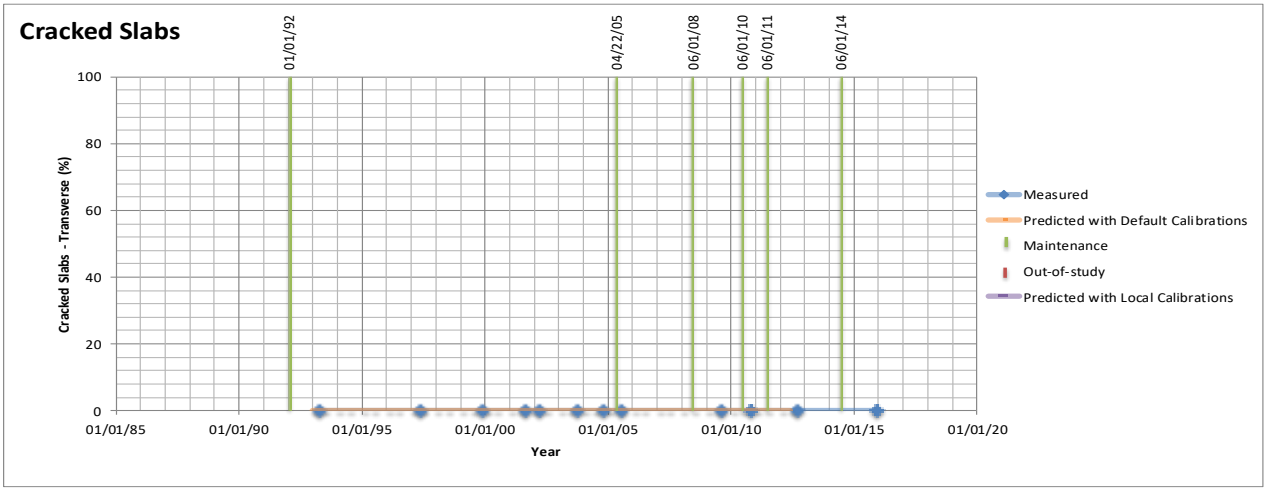


Date	Event
1-Jan-1992	In-study
1-Jun-1995	Partial depth patching of PCC pavements at joints
1-Apr-1997	Partial depth patching of PCC pavements at joints
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2011	Full Depth Transverse Joint Repair Patch

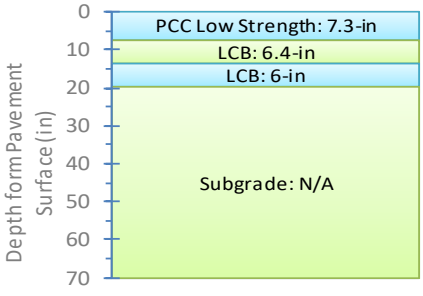


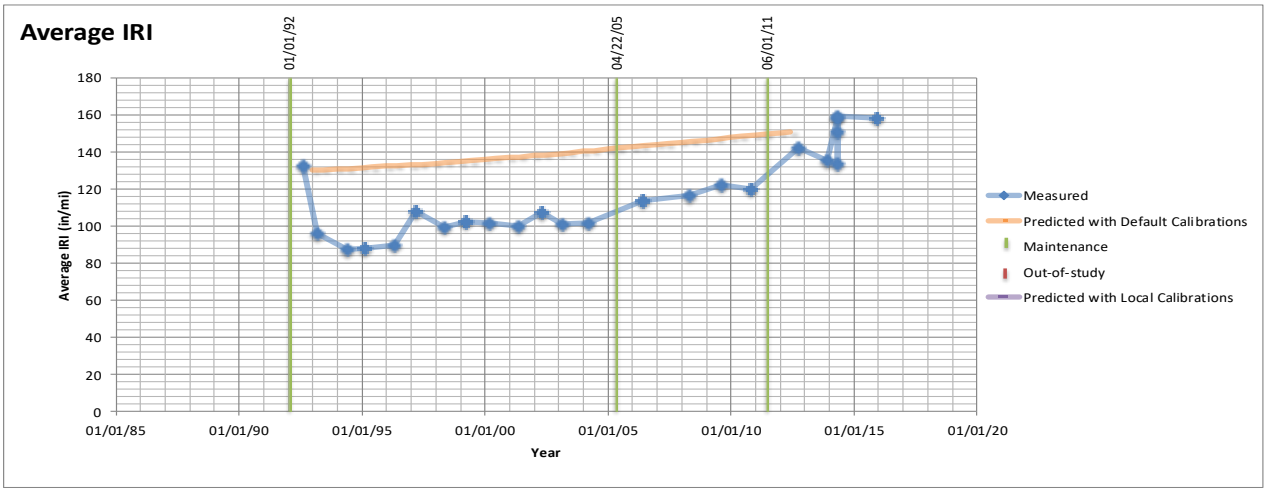


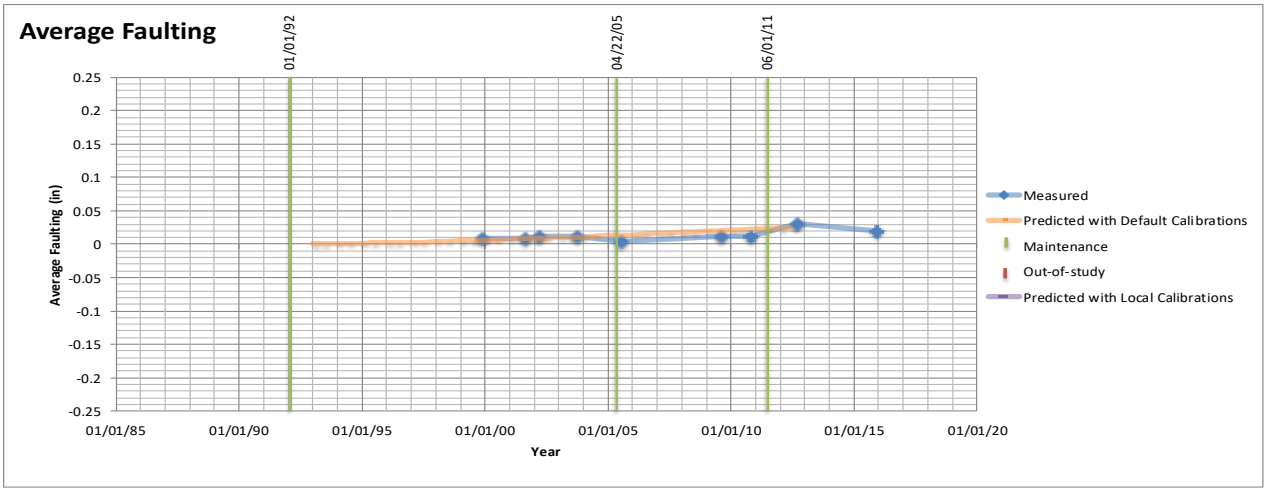


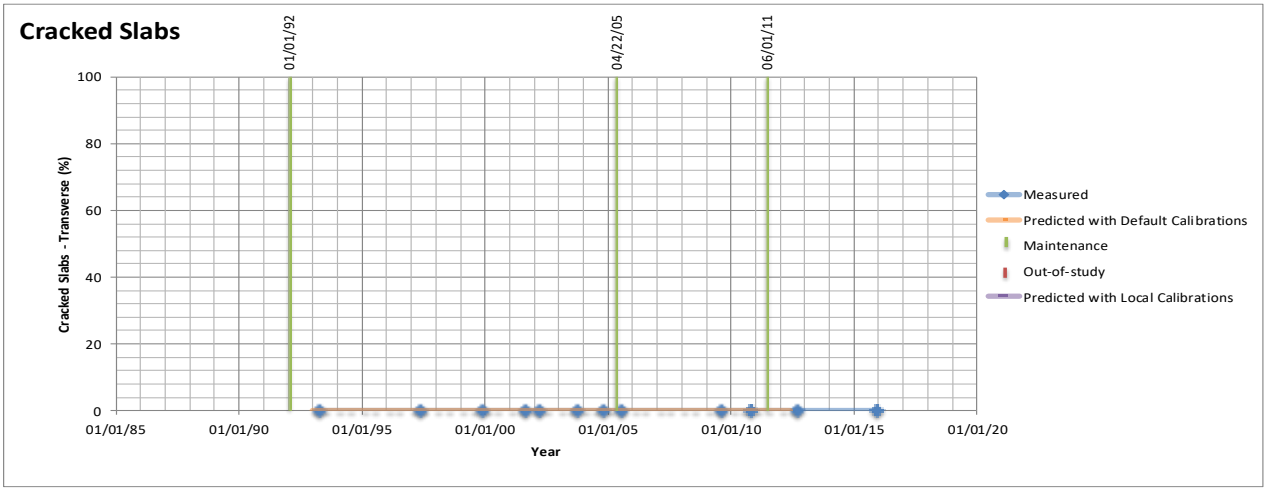


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2008	Partial depth patching of PCC pavements at joints
1-Jun-2010	Partial depth patching of PCC pavements at joints
1-Jun-2011	Full Depth Transverse Joint Repair Patch; Full Depth Patching of PCC Pavement
1-Jun-2014	Partial depth patching of PCC pavements at joints

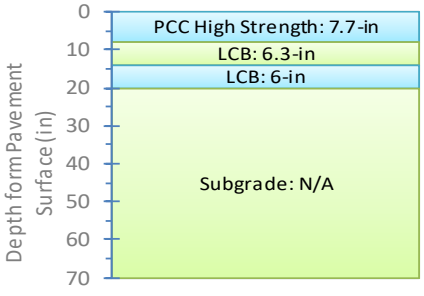


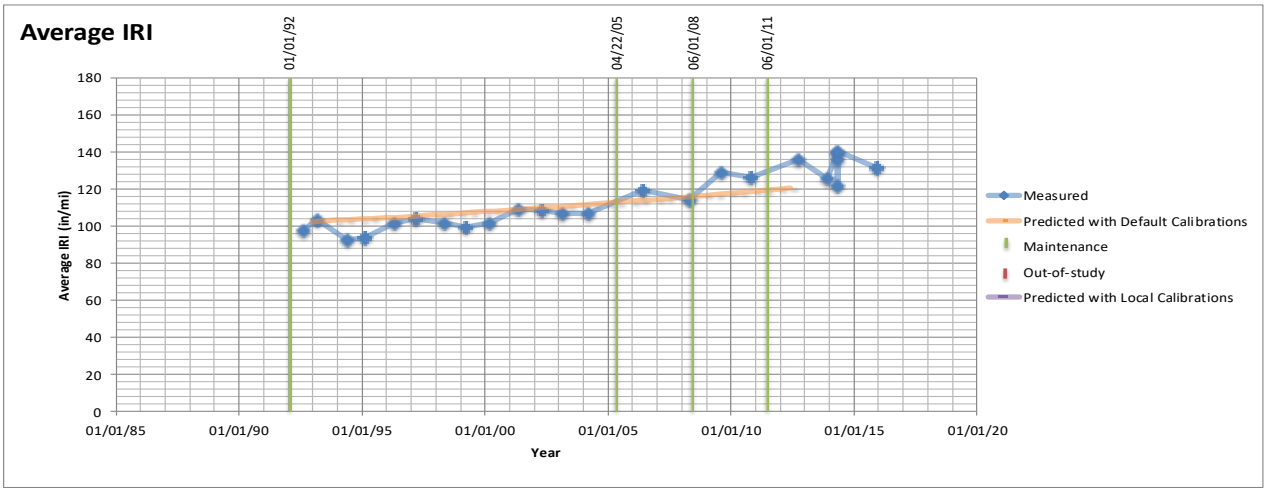


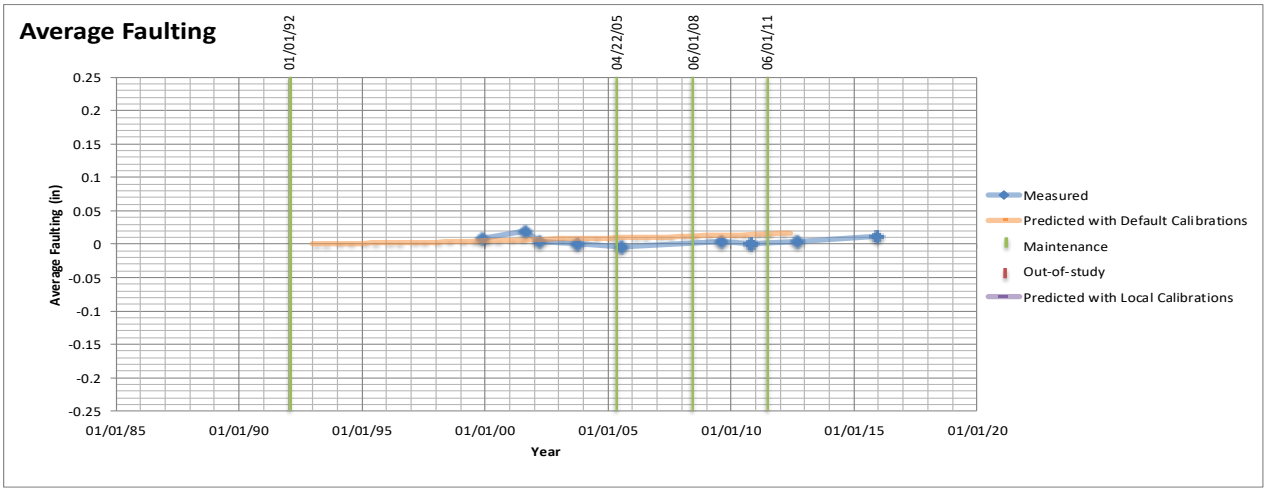


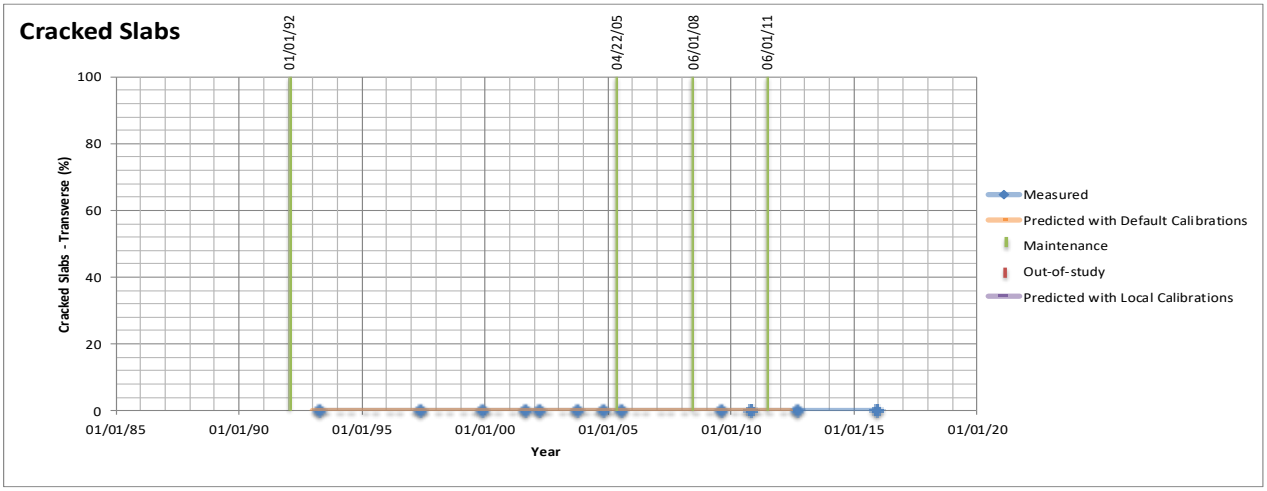


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2011	PCC Slab Replacement

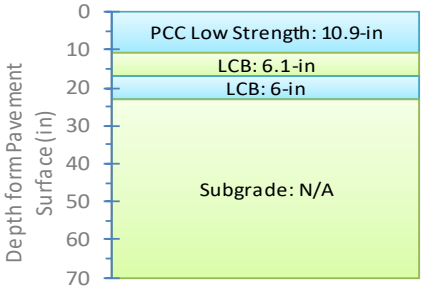


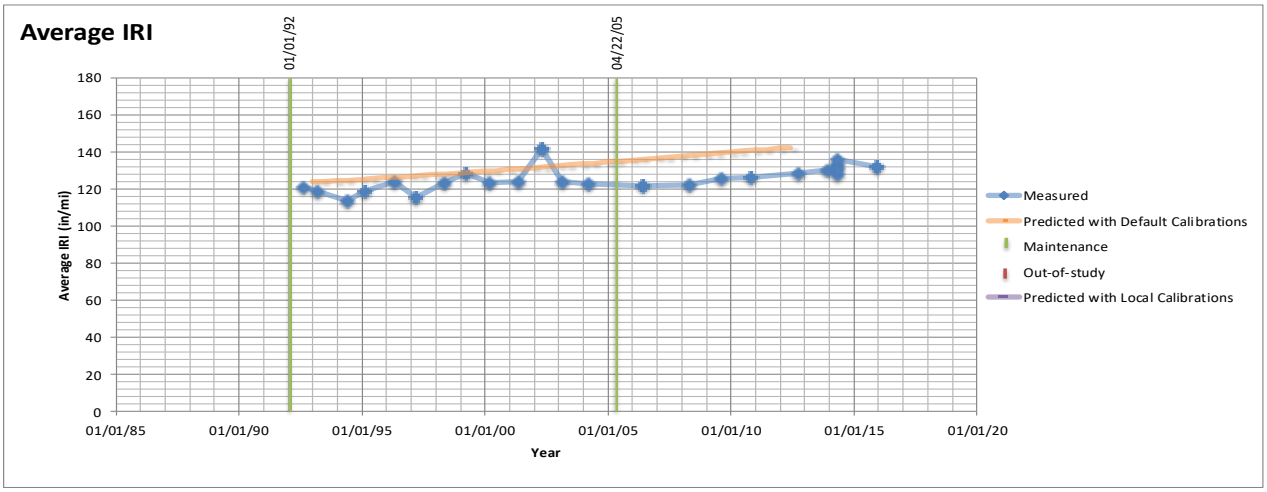


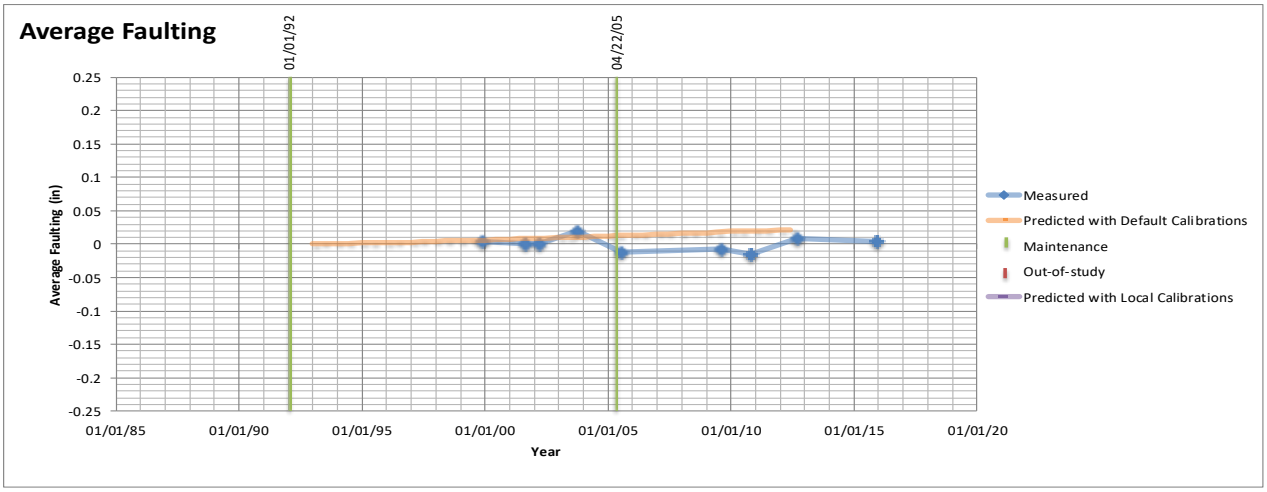


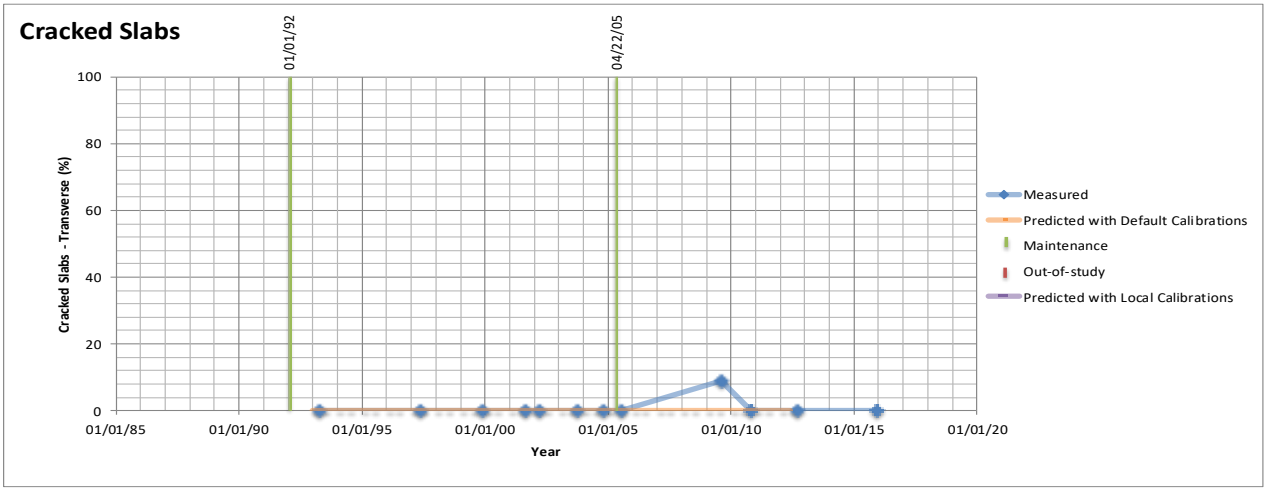


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2008	Partial depth patching of PCC pavements at joints
1-Jun-2011	Full Depth Transverse Joint Repair Patch; Full Depth Patching of PCC Pavement

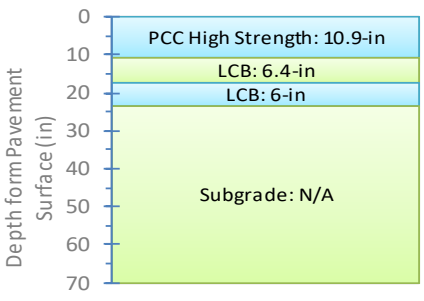


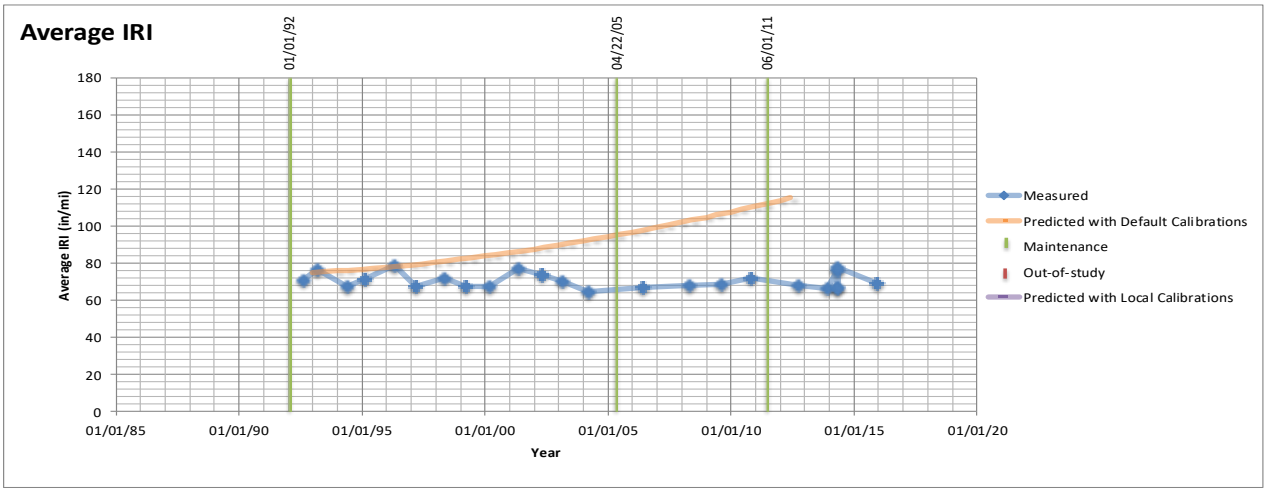


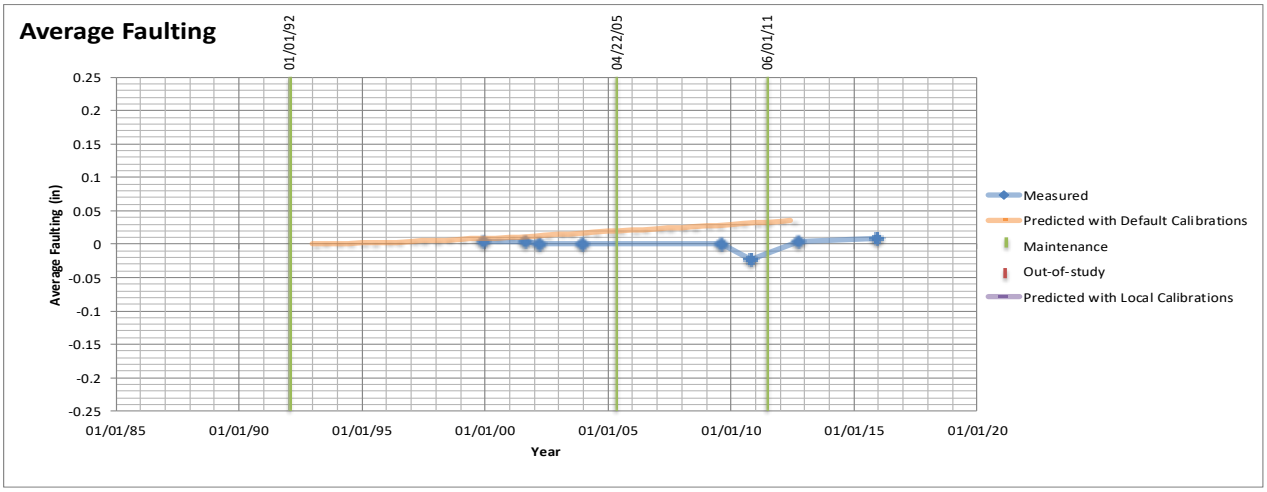


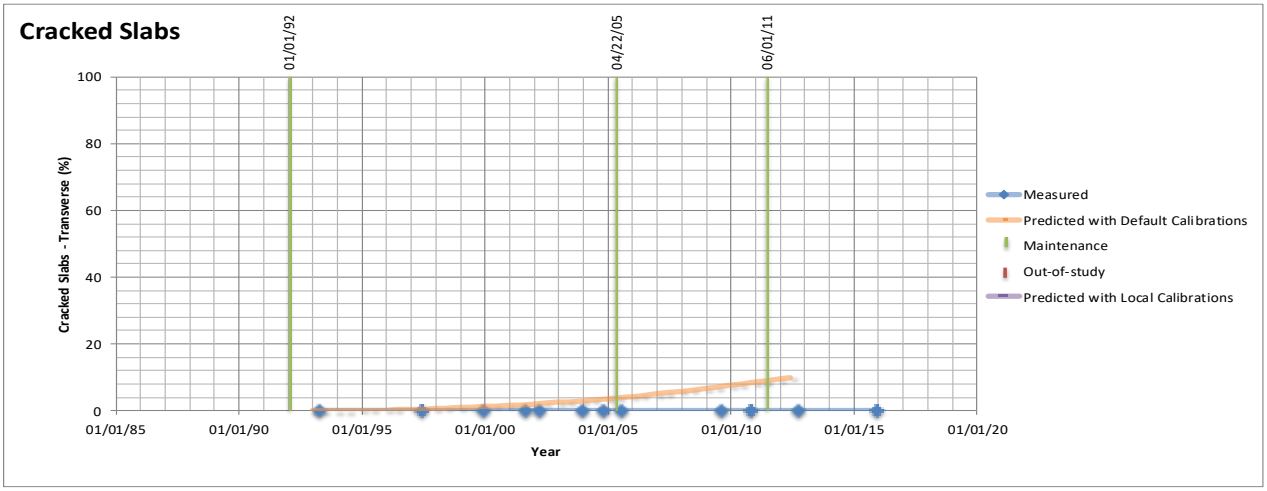


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing

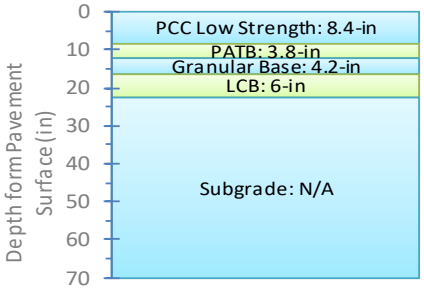


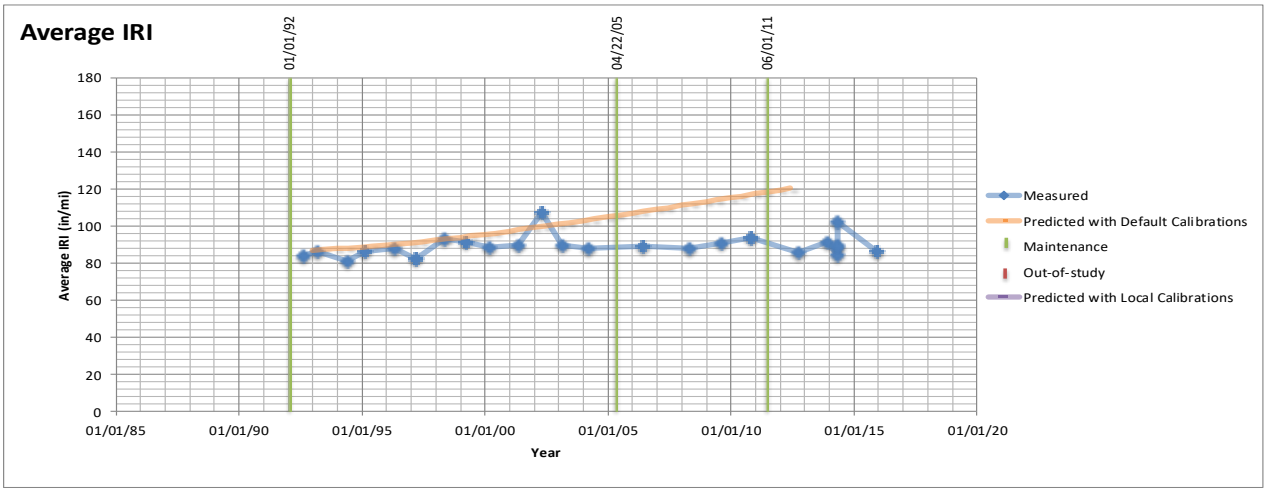


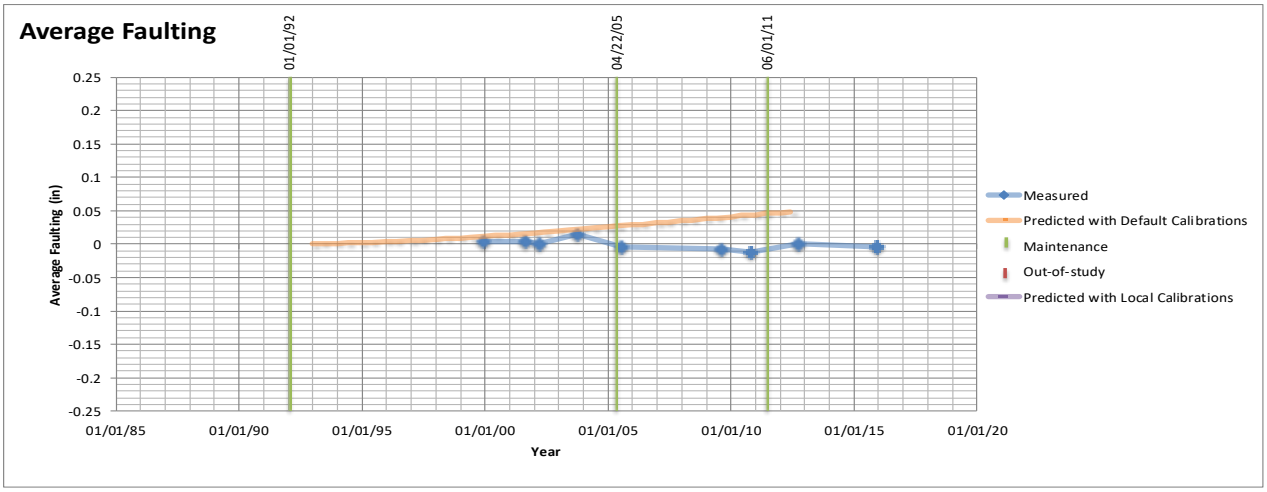


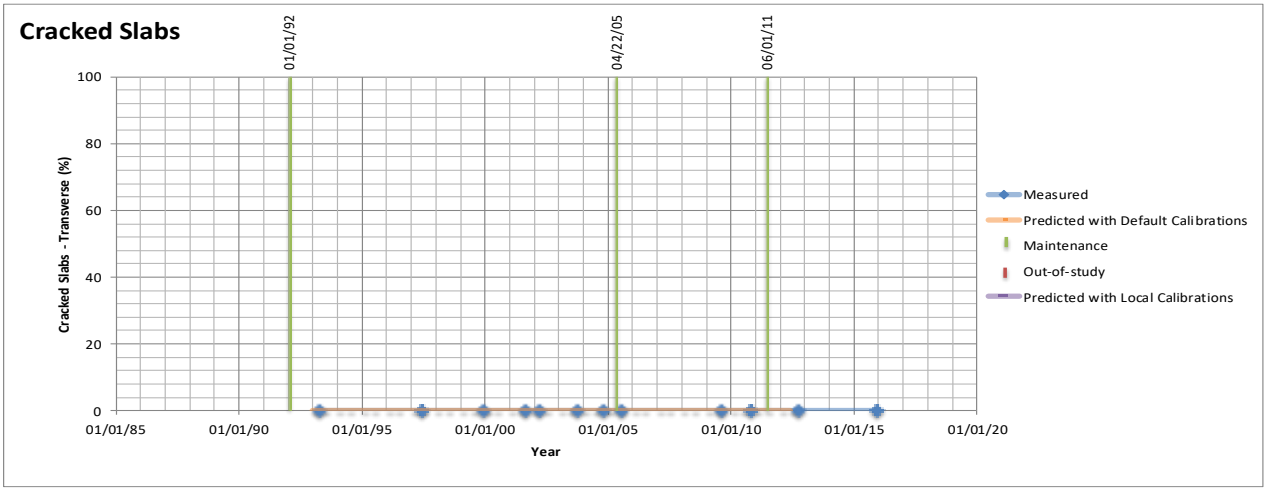


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2011	Full Depth Transverse Joint Repair Patch; Full Depth Patching of PCC Pavement

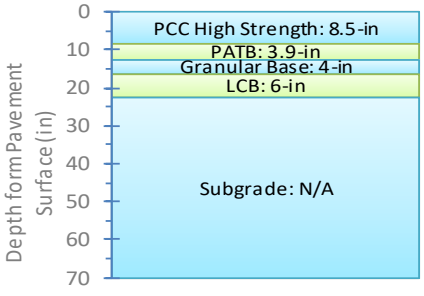


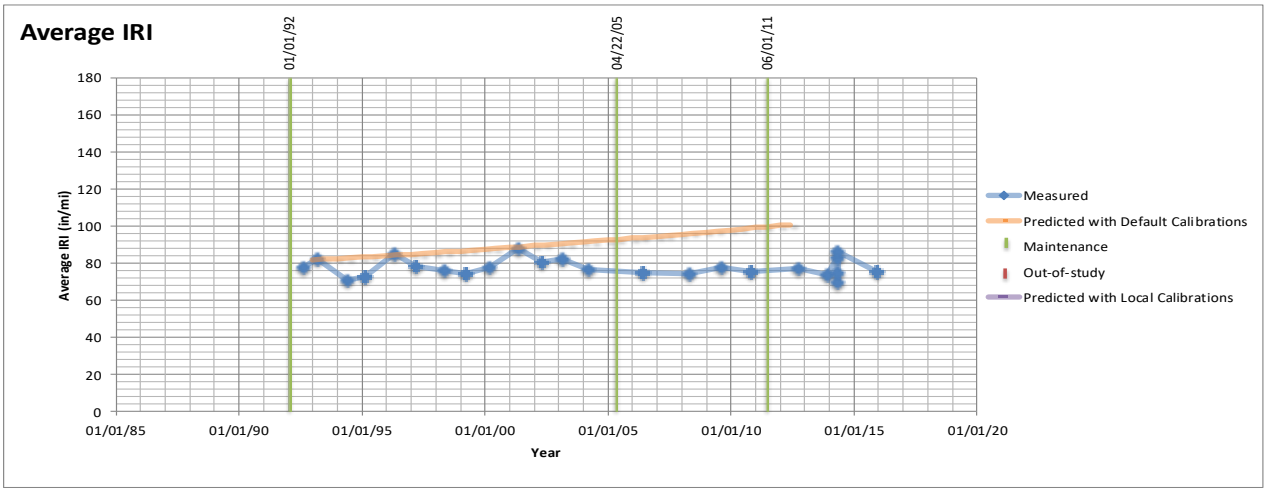


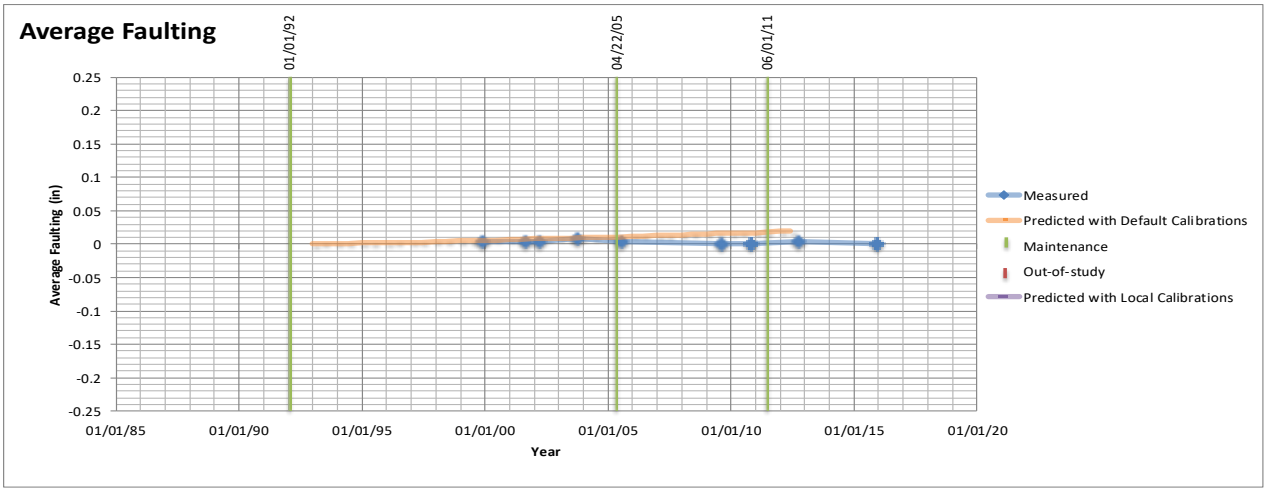


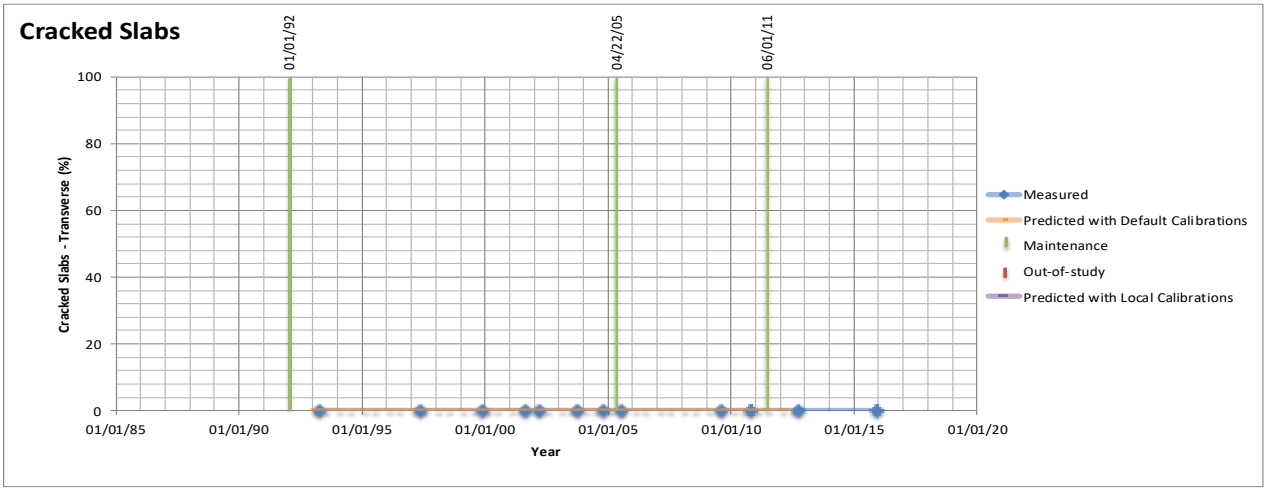


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2011	Full Depth Transverse Joint Repair Patch

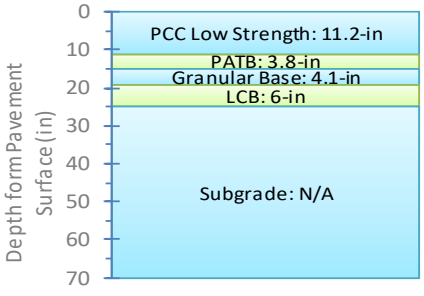


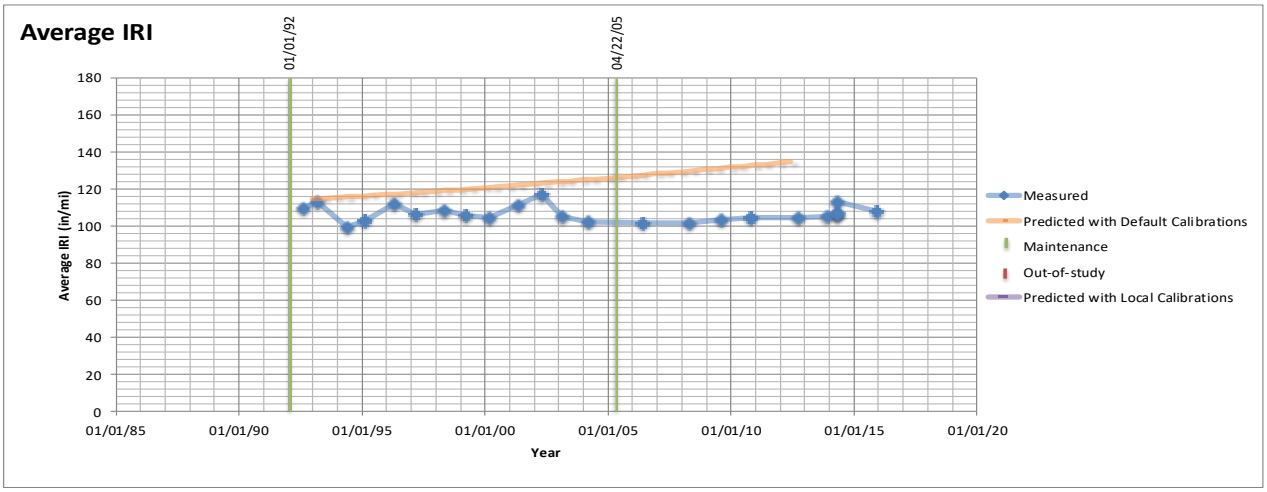


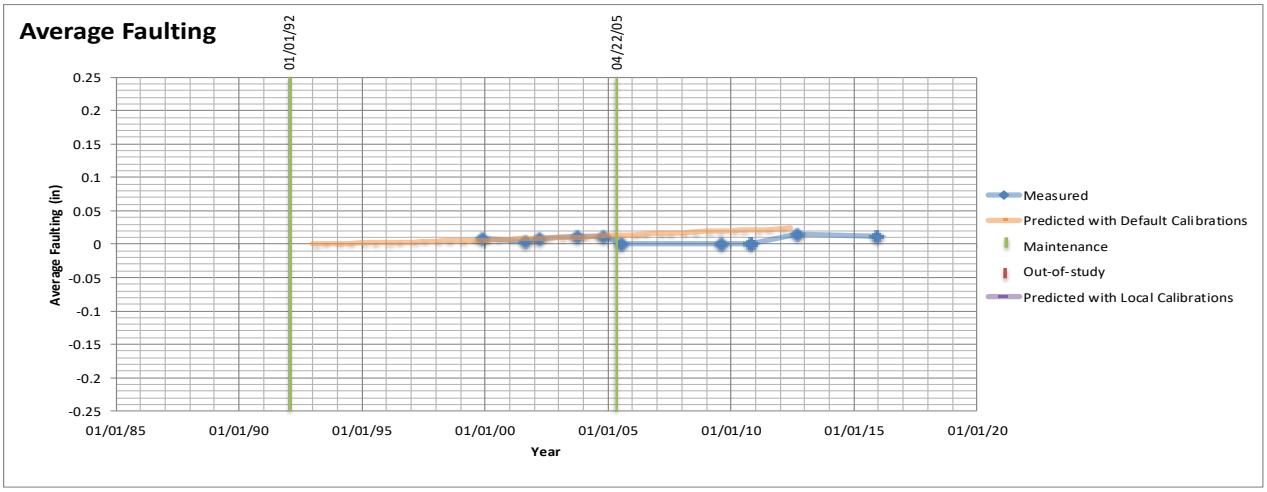


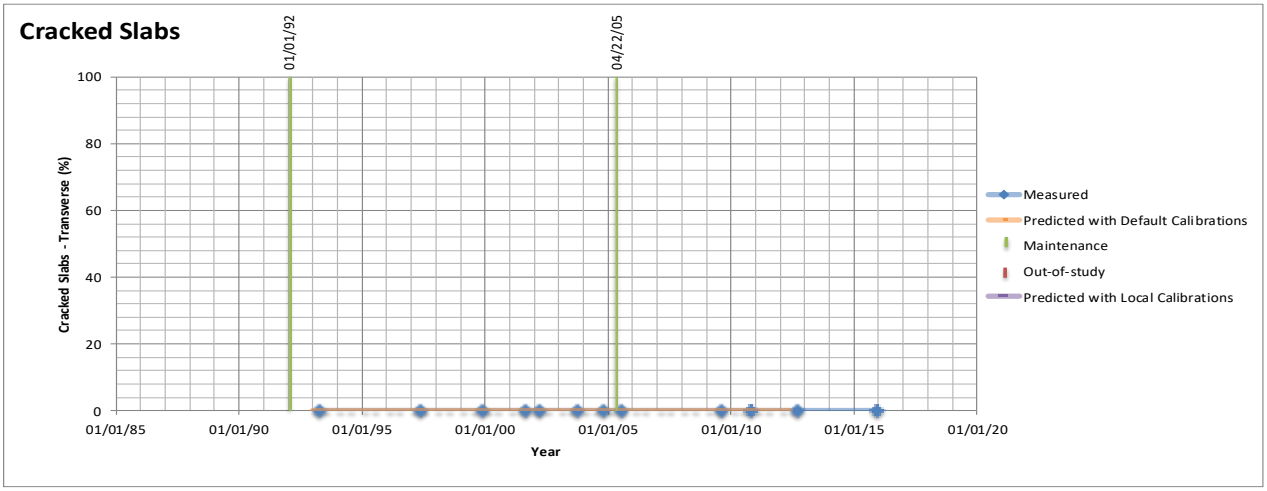


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2011	Full Depth Transverse Joint Repair Patch

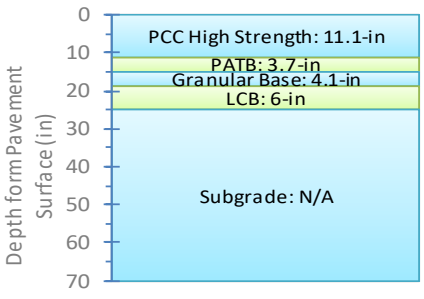


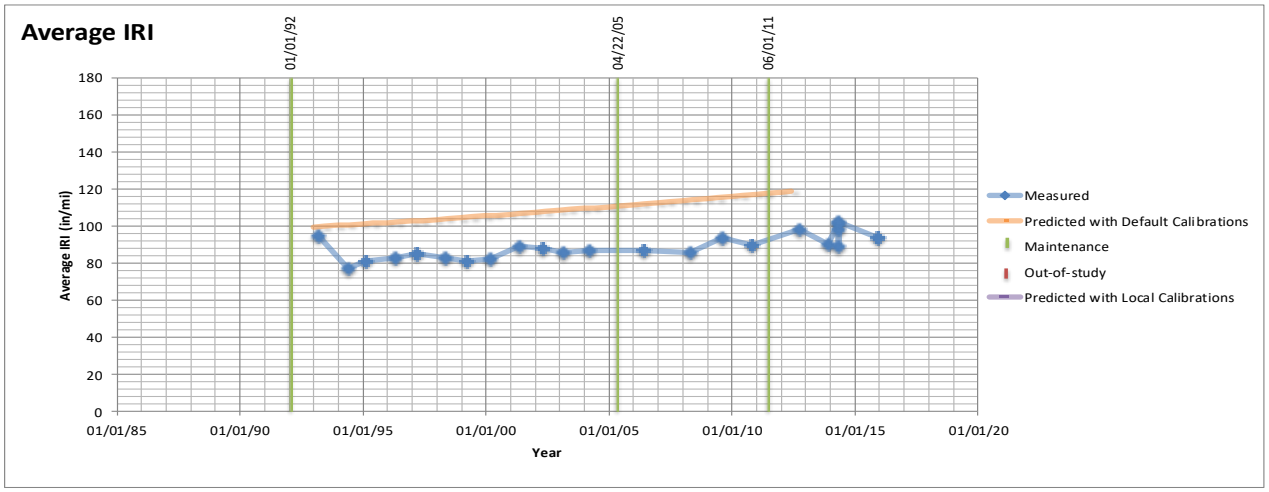


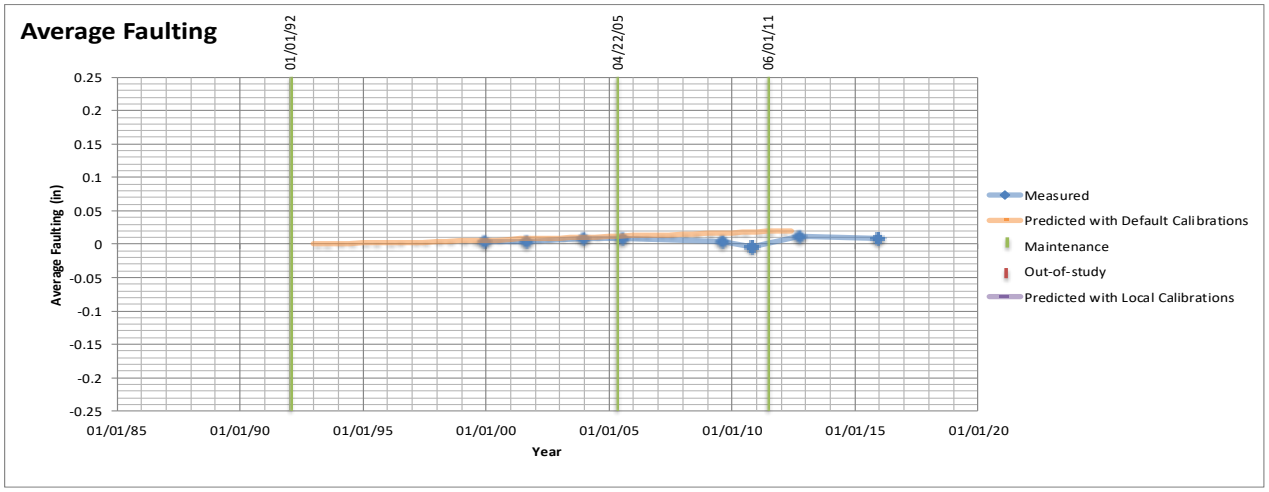


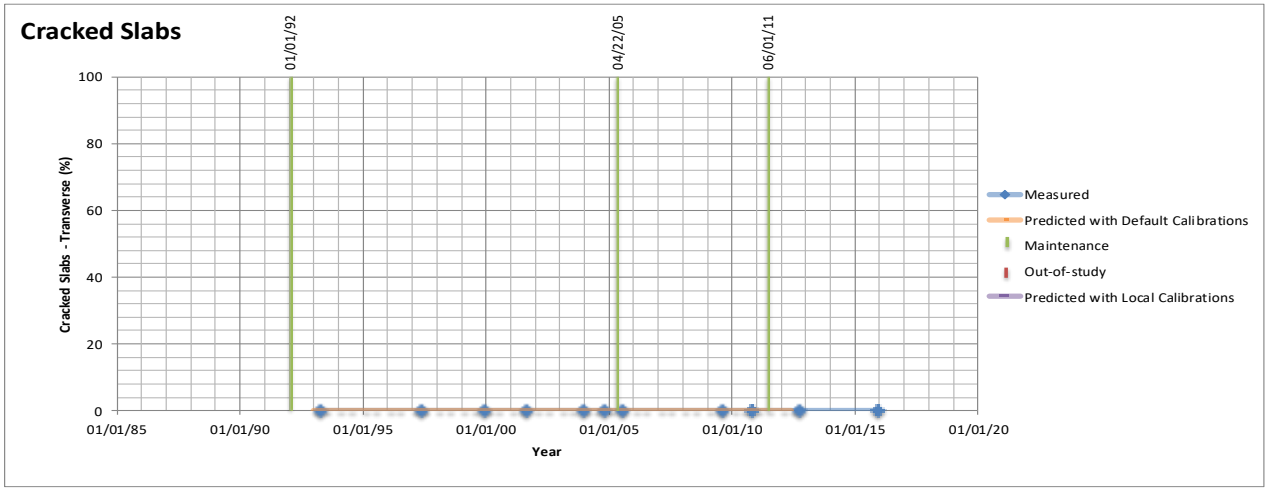


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing

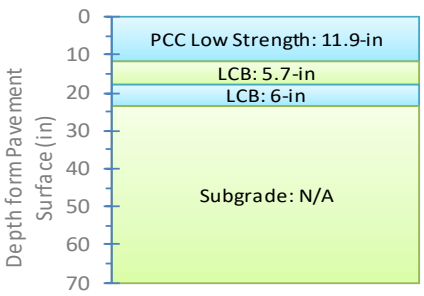


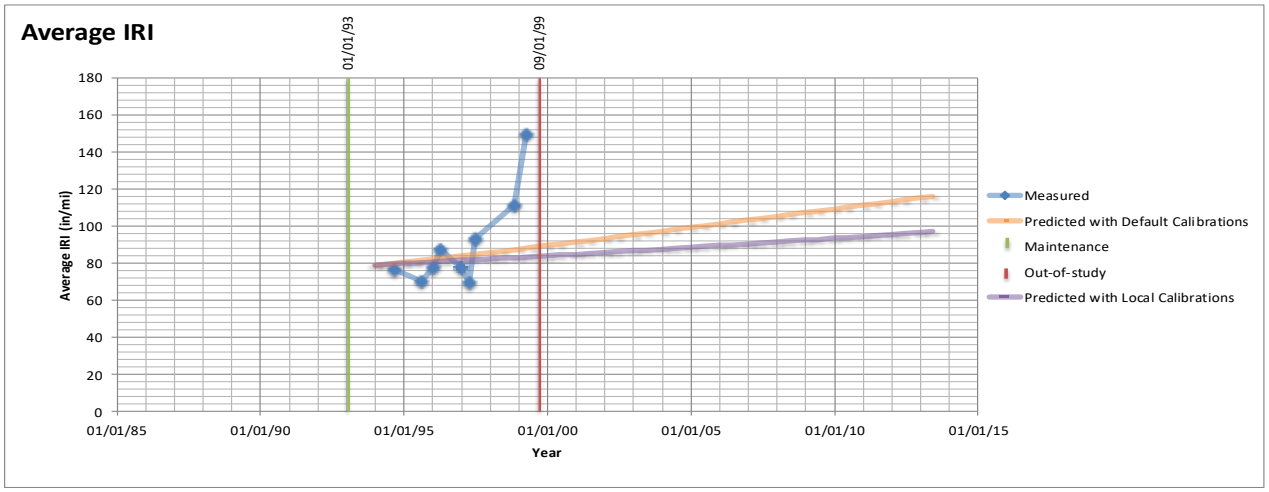


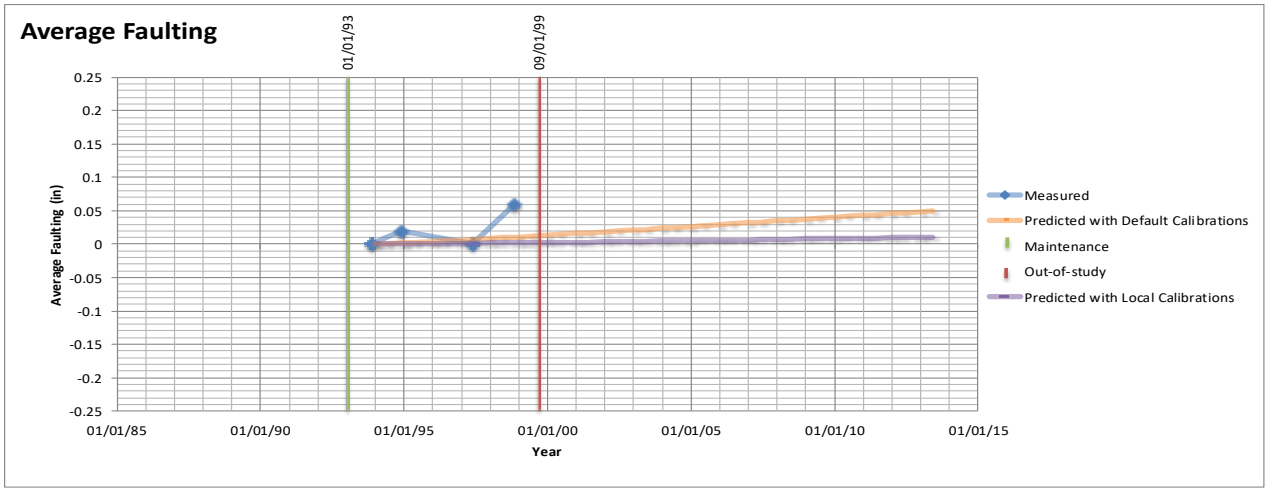


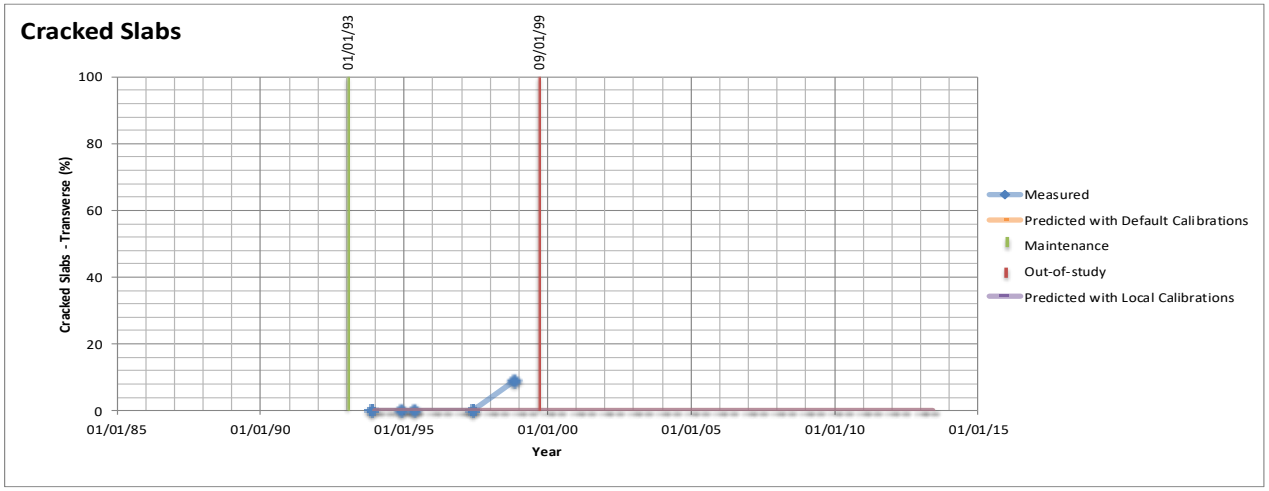


Date	Event
1-Jan-1992	In-study
22-Apr-2005	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2011	Full Depth Patching of PCC Pavement Other Than at Joint

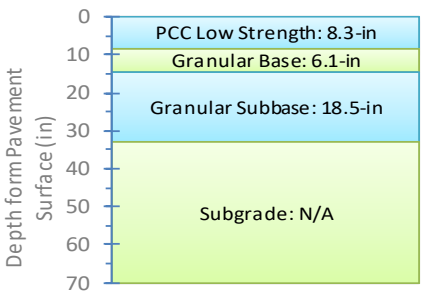


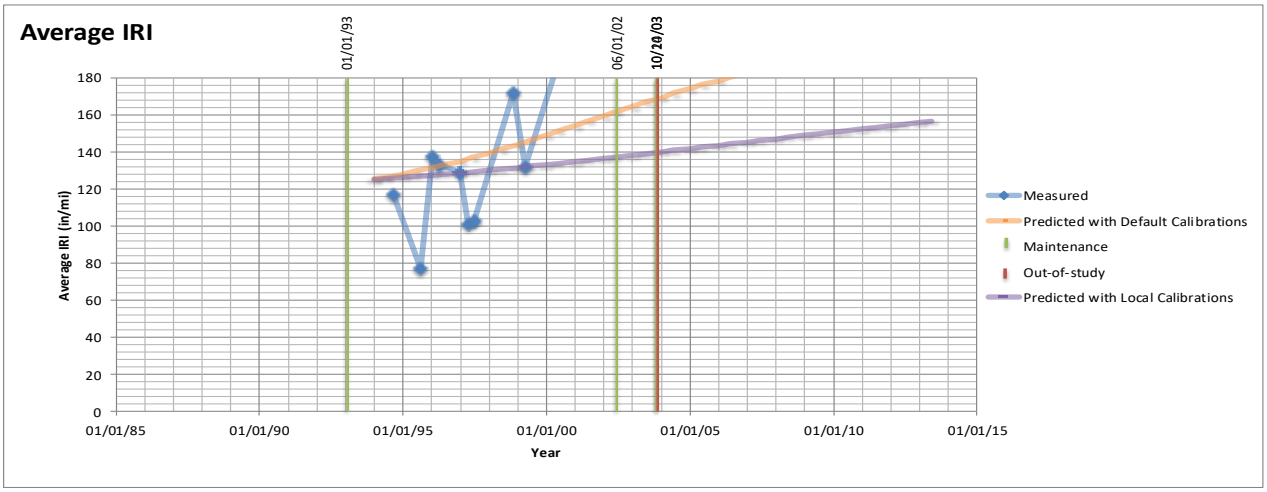


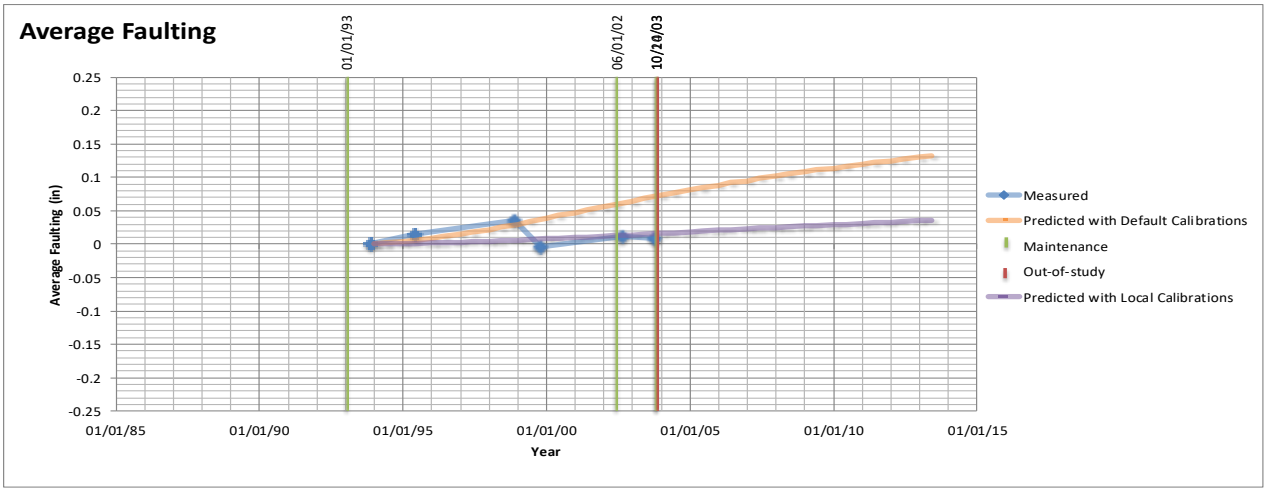


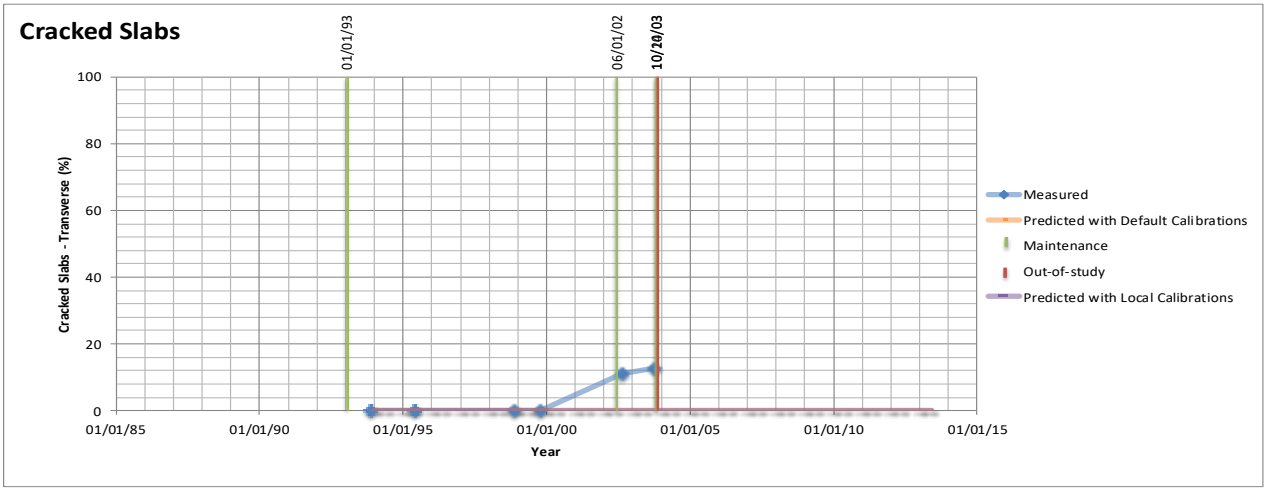


Date	Event
1-Jan-1993	In-study
1-Sep-1999	Out-of-study

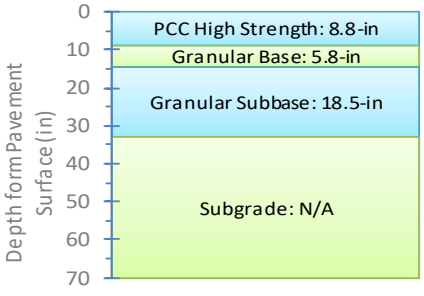




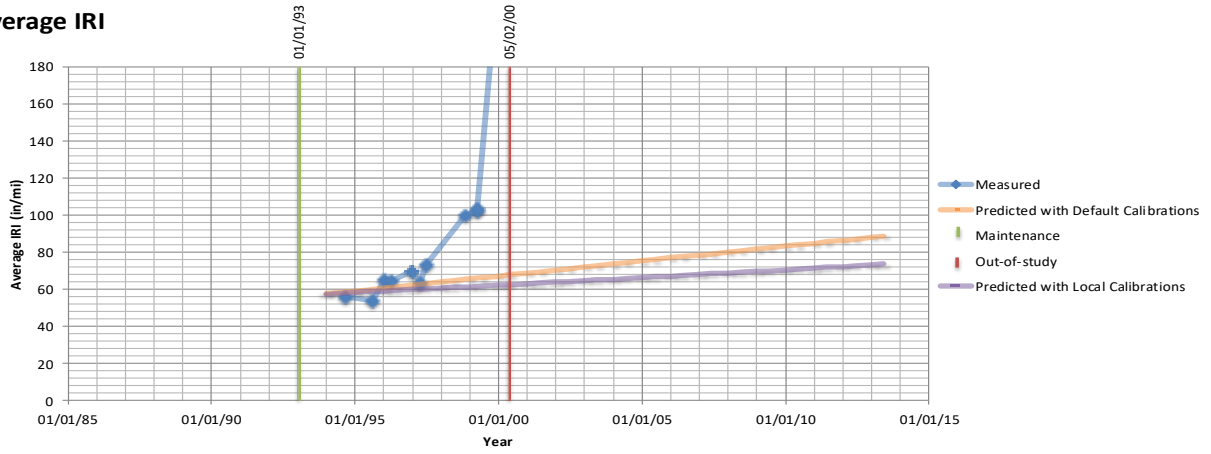




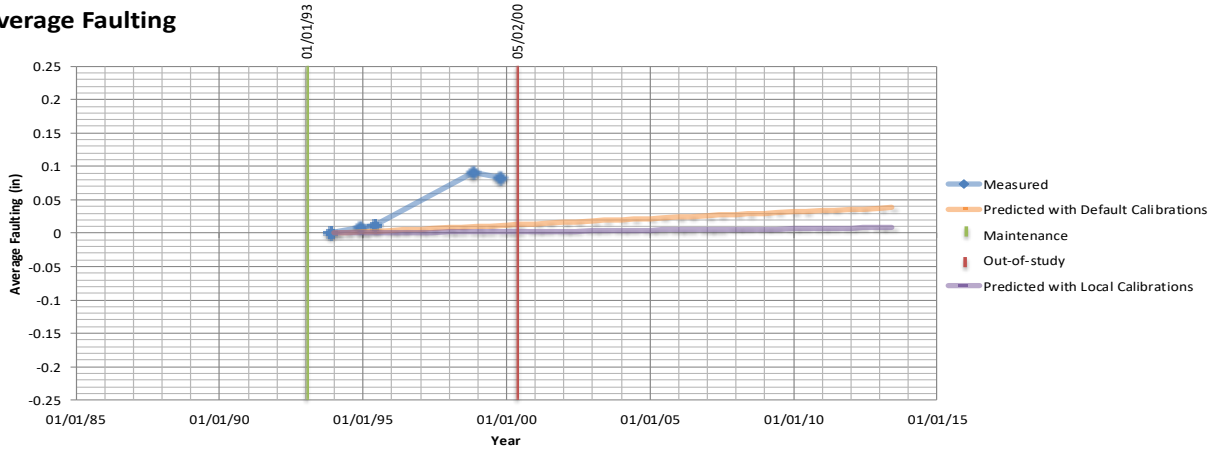
Date	Event
1-Jan-1993	In-study
1-Jun-2002	Lane-Shoulder Longitudinal Joint Sealing; PCC Slab Replacement
14-Oct-2003	Full Depth Transverse Joint Repair Patch; AC Shoulder Restoration; Partial depth
20-Oct-2003	Out-of-study



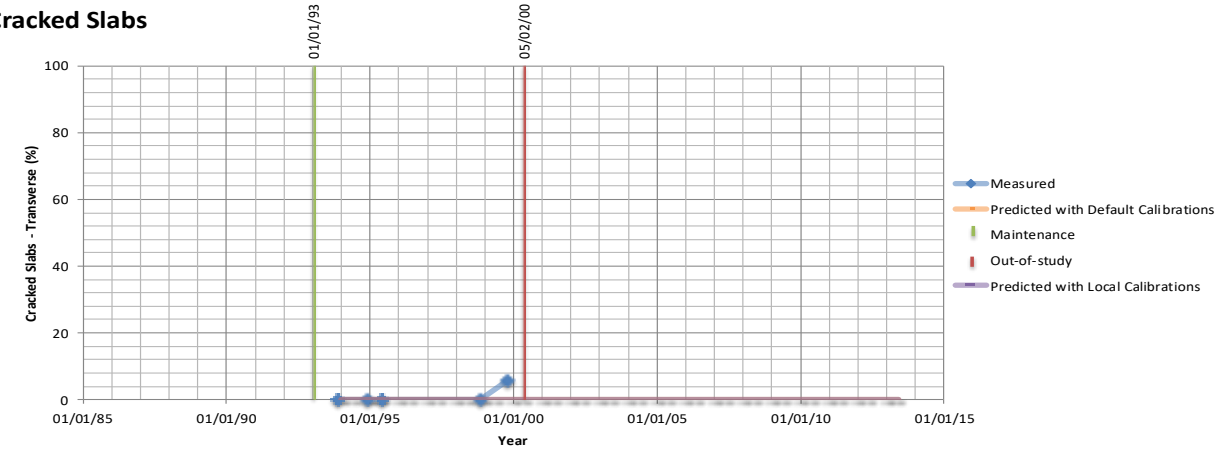
Average IRI



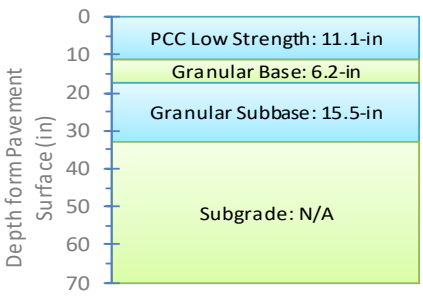
Average Faulting

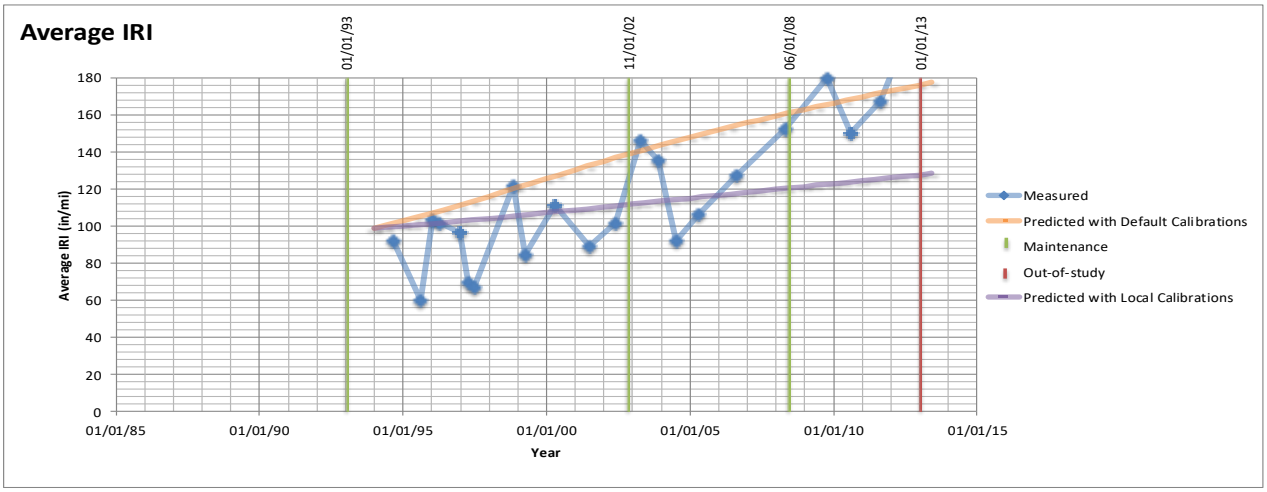


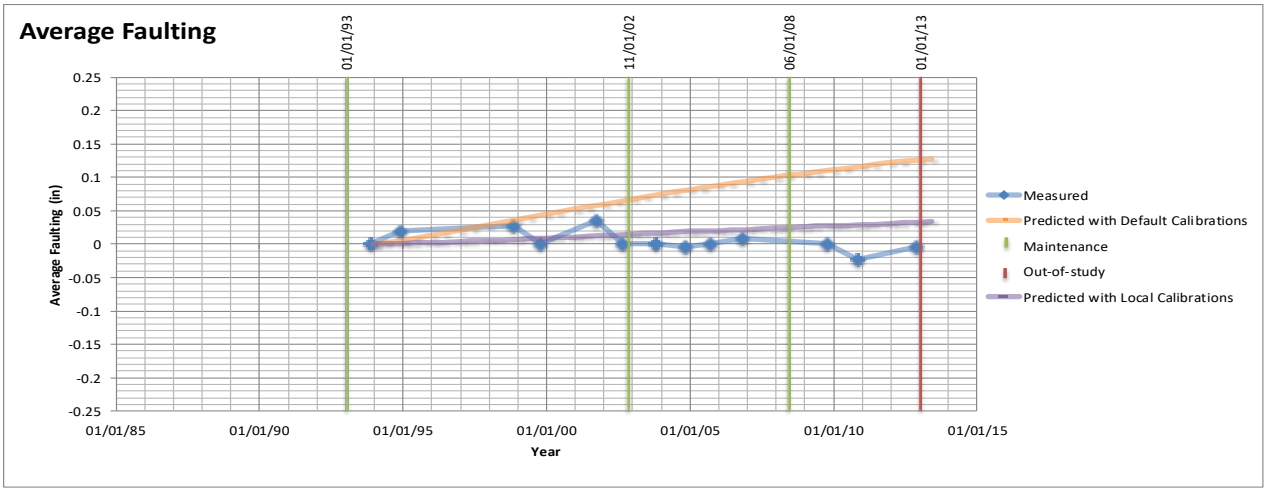
Cracked Slabs

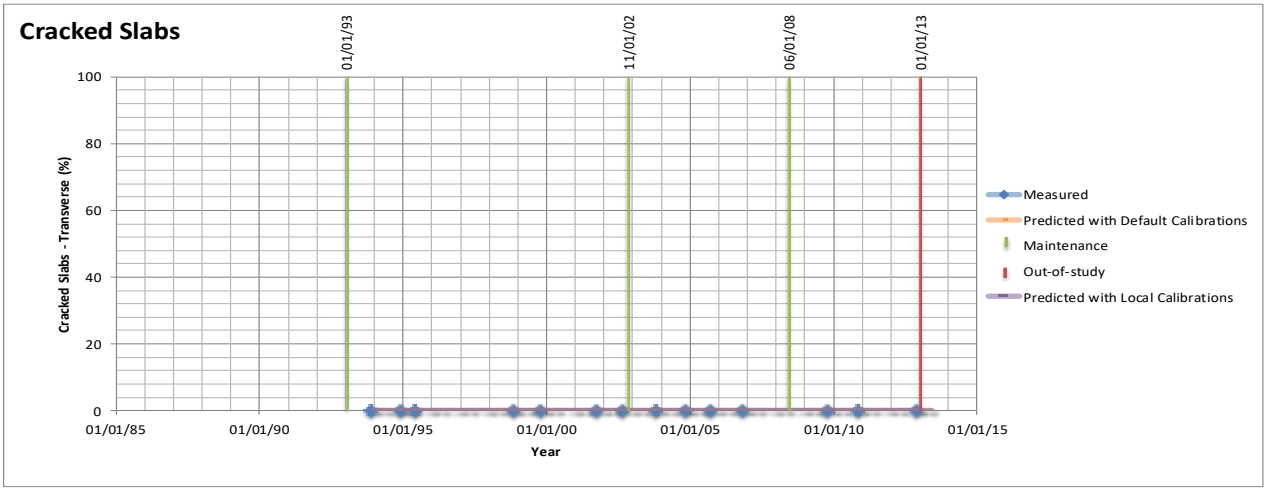


Date	Event
1-Jan-1993	In-study
2-May-2000	Out-of-study

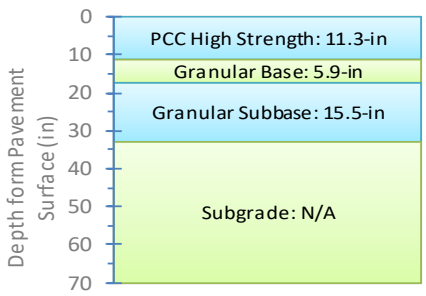


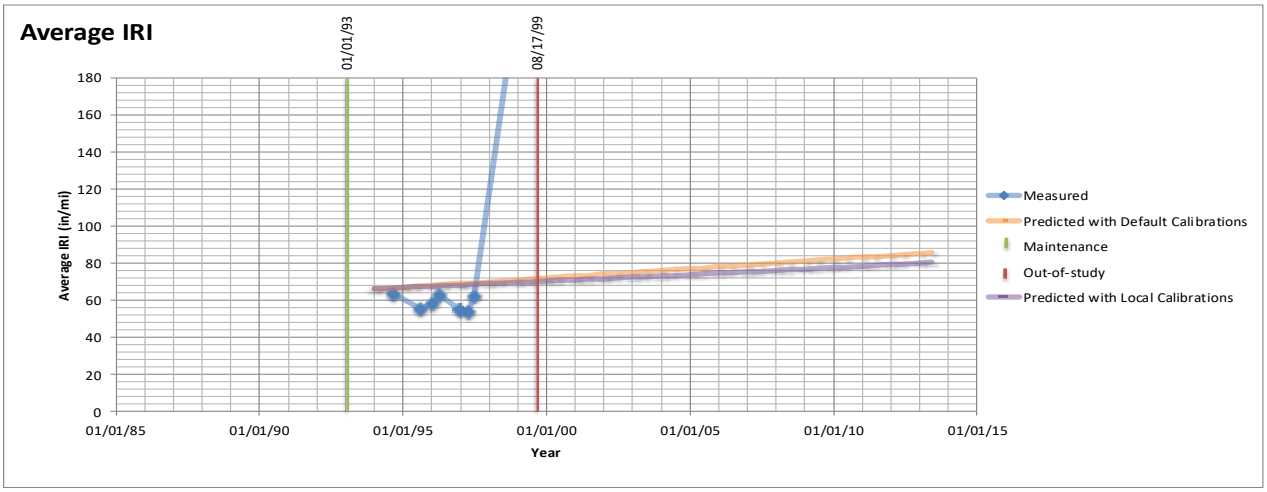


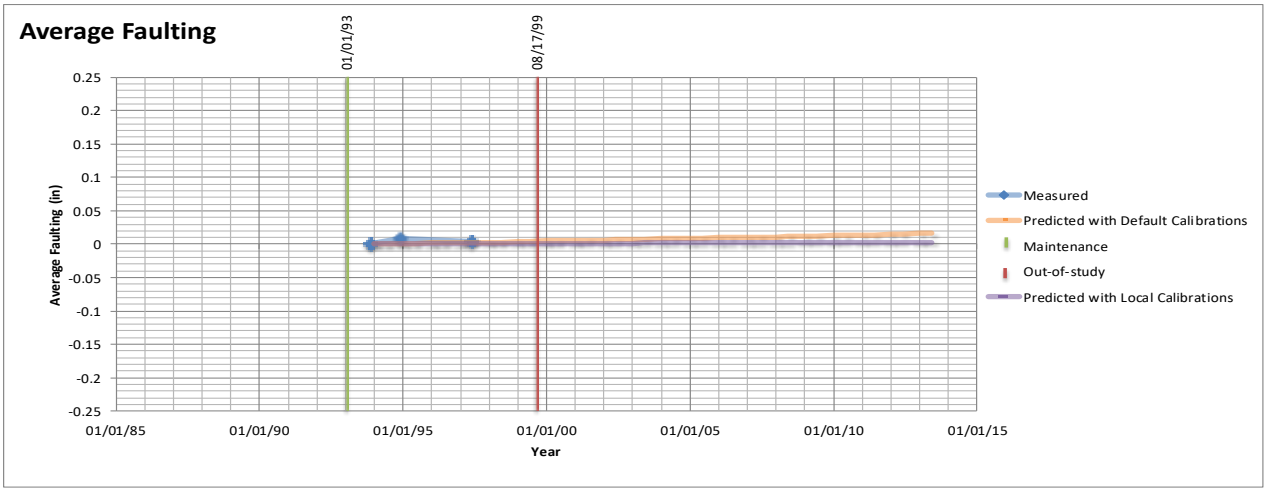


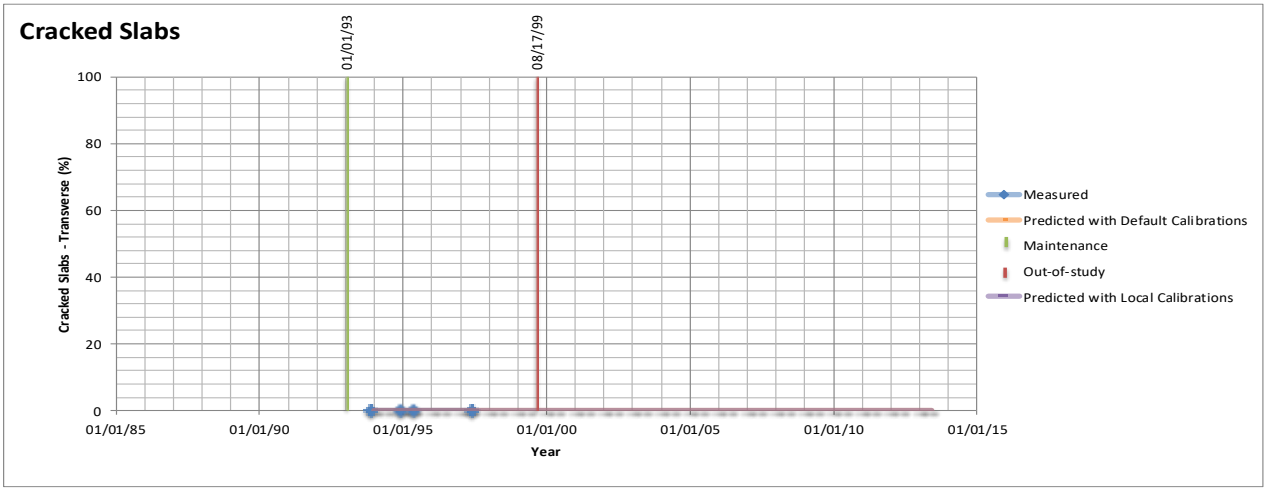


Date	Event
1-Jan-1993	In-study
1-Nov-2002	Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2008	Partial depth patching of PCC pavements at joints
1-Jan-2013	Out-of-study

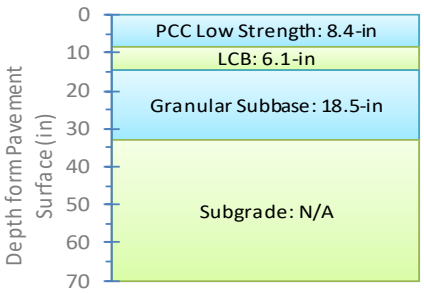




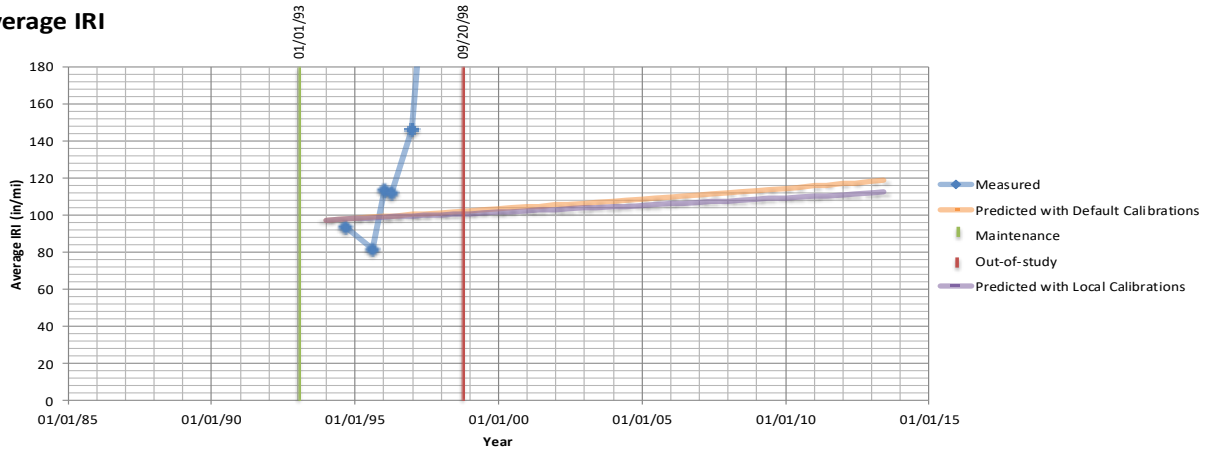




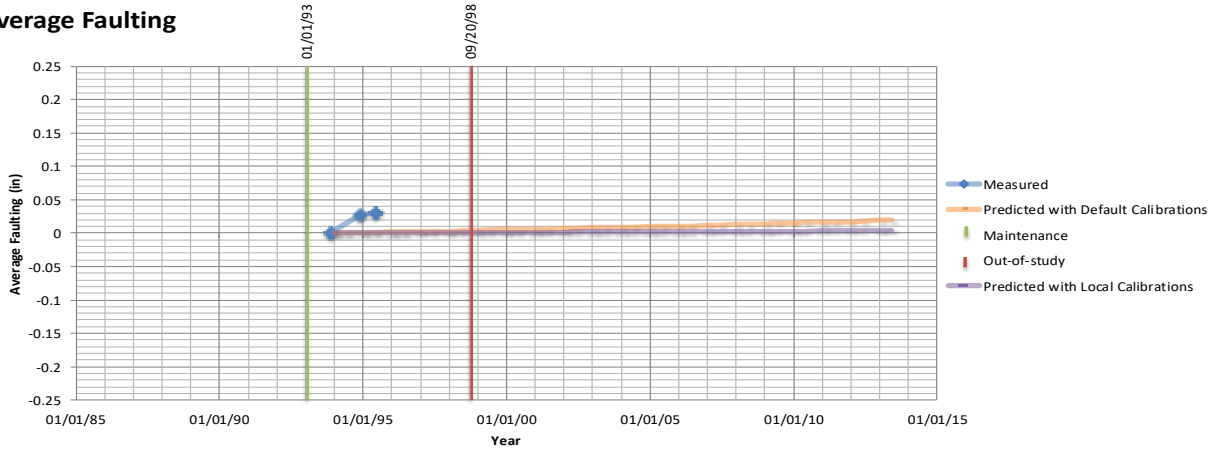
Date	Event
1-Jan-1993	In-study
17-Aug-1999	Out-of-study



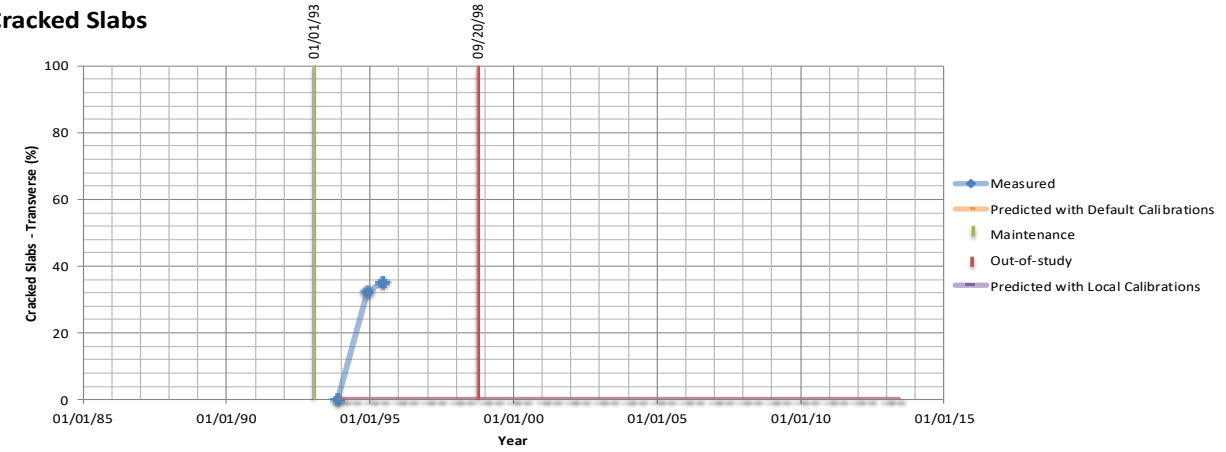
Average IRI



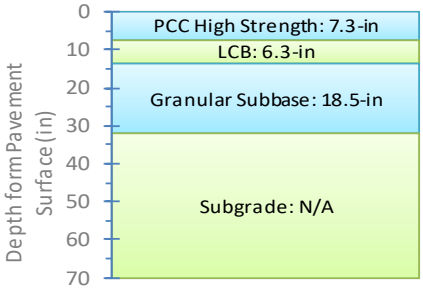
Average Faulting

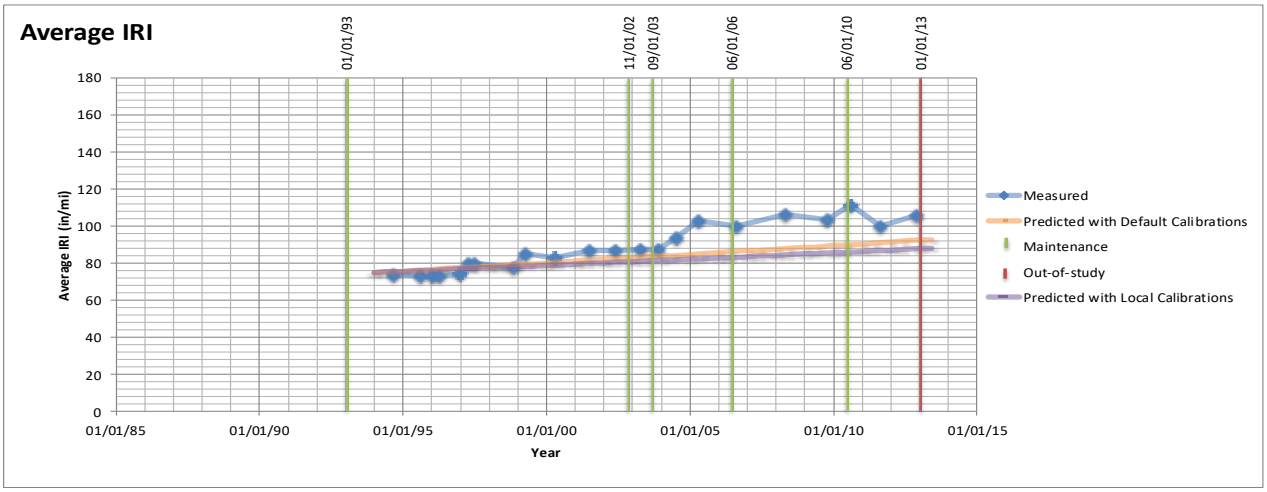


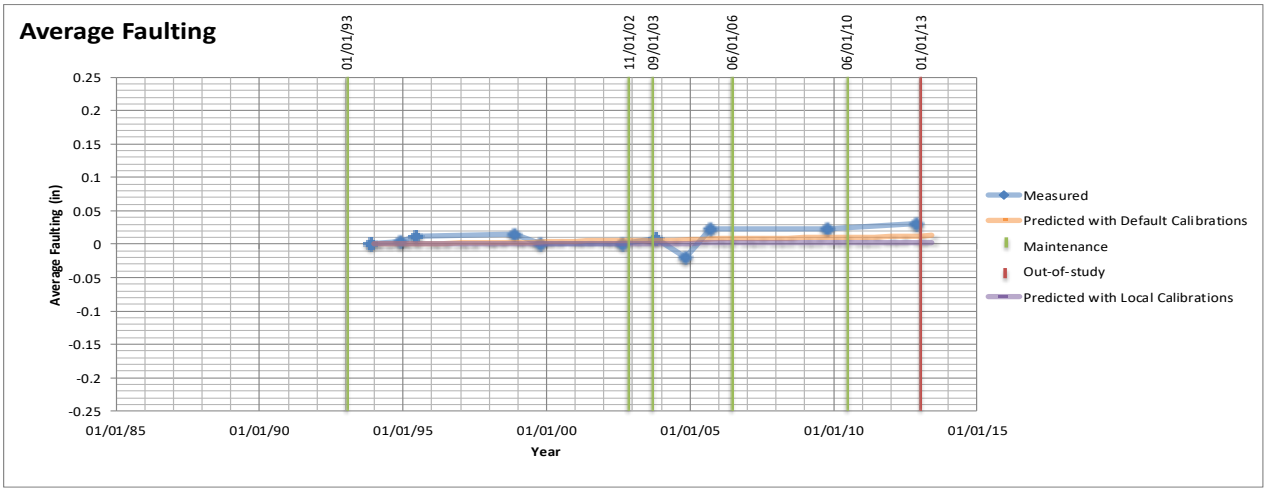
Cracked Slabs

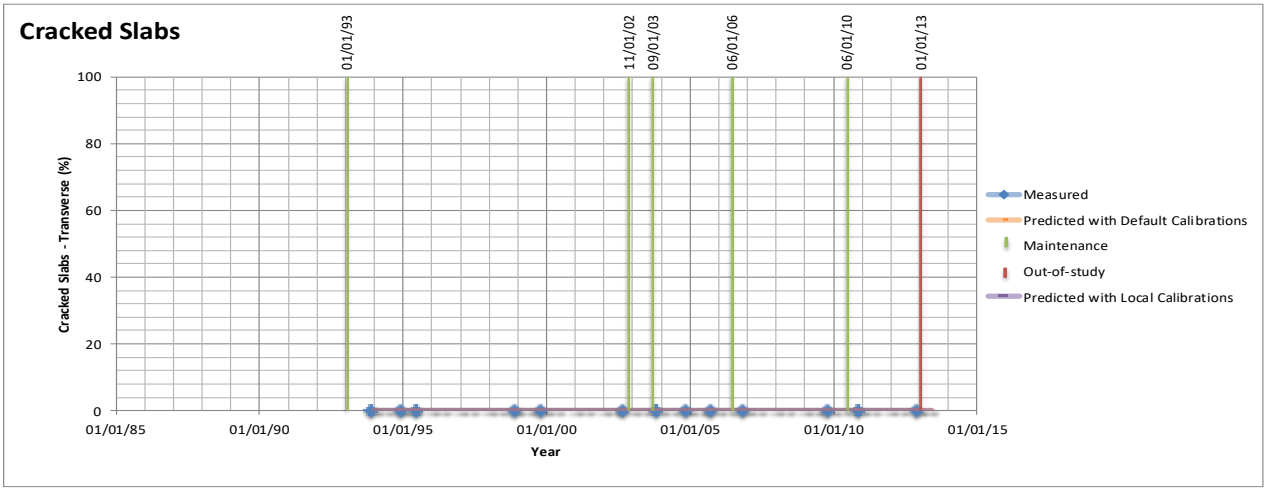


Date	Event
1-Jan-1993	In-study
20-Sep-1998	Out-of-study

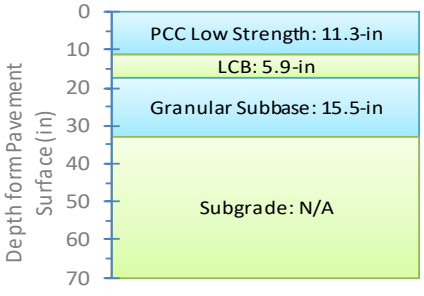


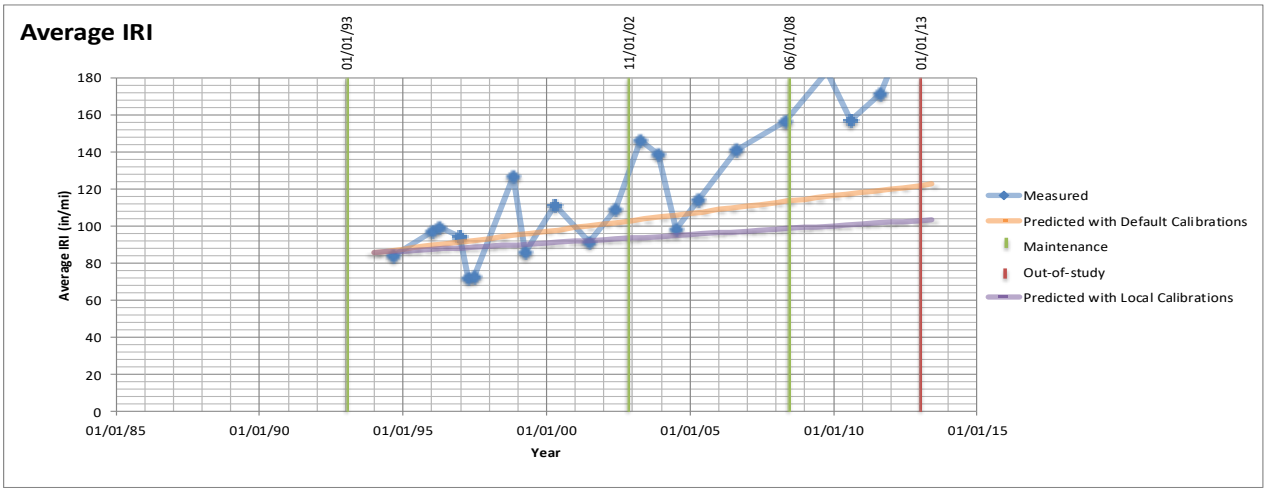


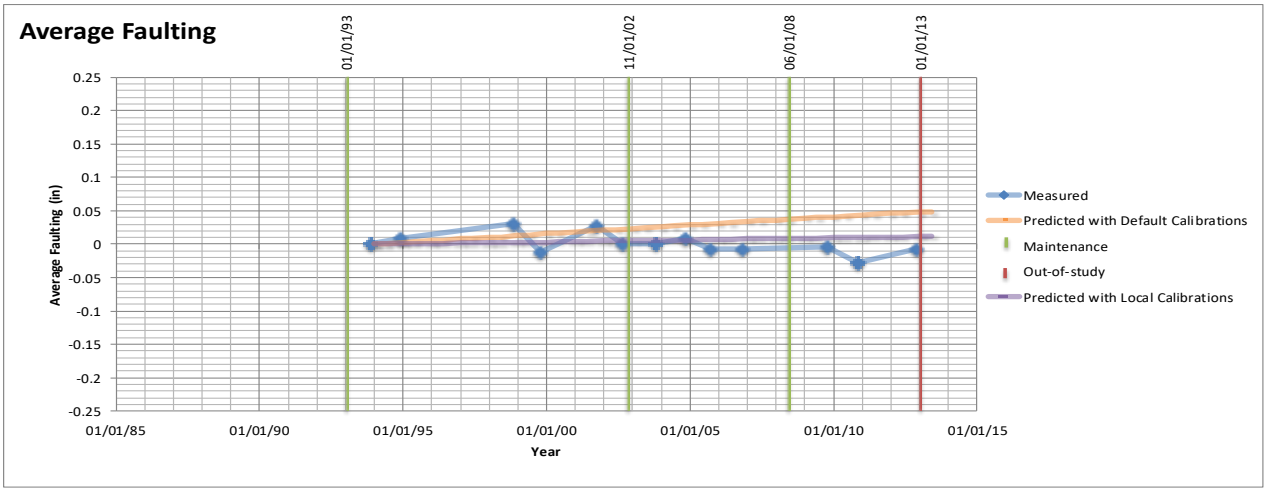


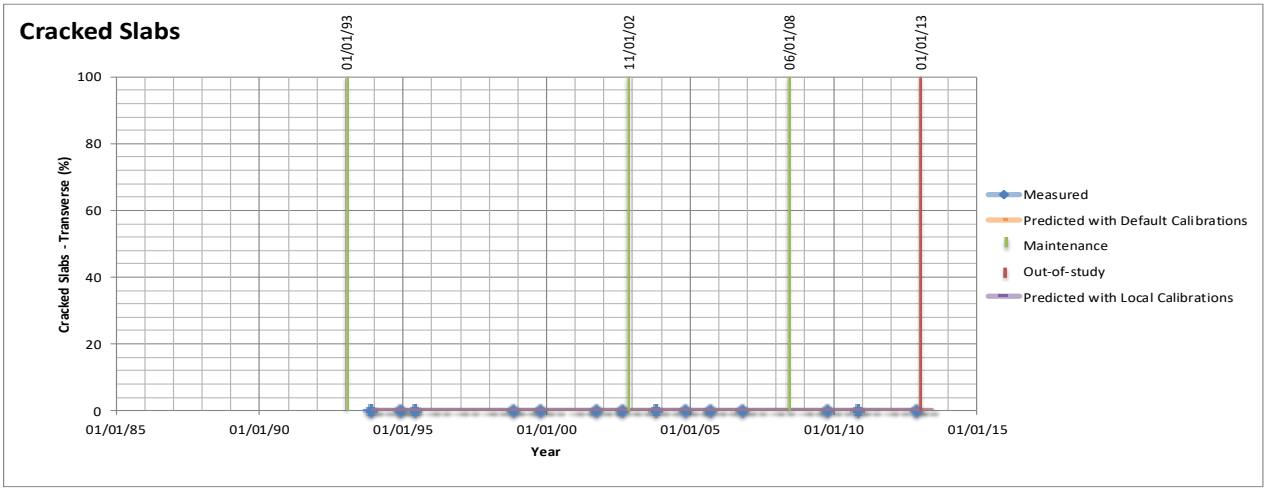


Date	Event
1-Jan-1993	In-study
1-Nov-2002	AC Shoulder Restoration
1-Sep-2003	Partial depth patching of PCC pavements at joints
1-Jun-2006	Partial depth patching of PCC pavements at joints
1-Jun-2010	AC Shoulder Restoration
1-Jan-2013	Out-of-study

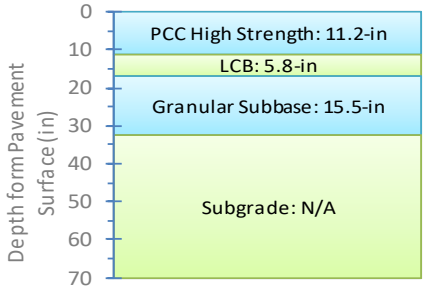


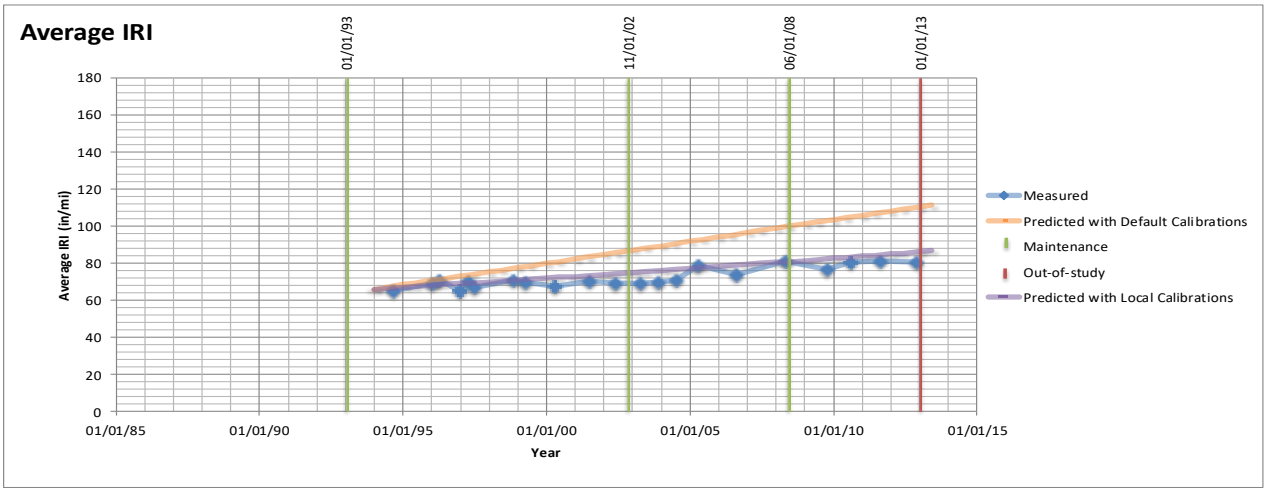


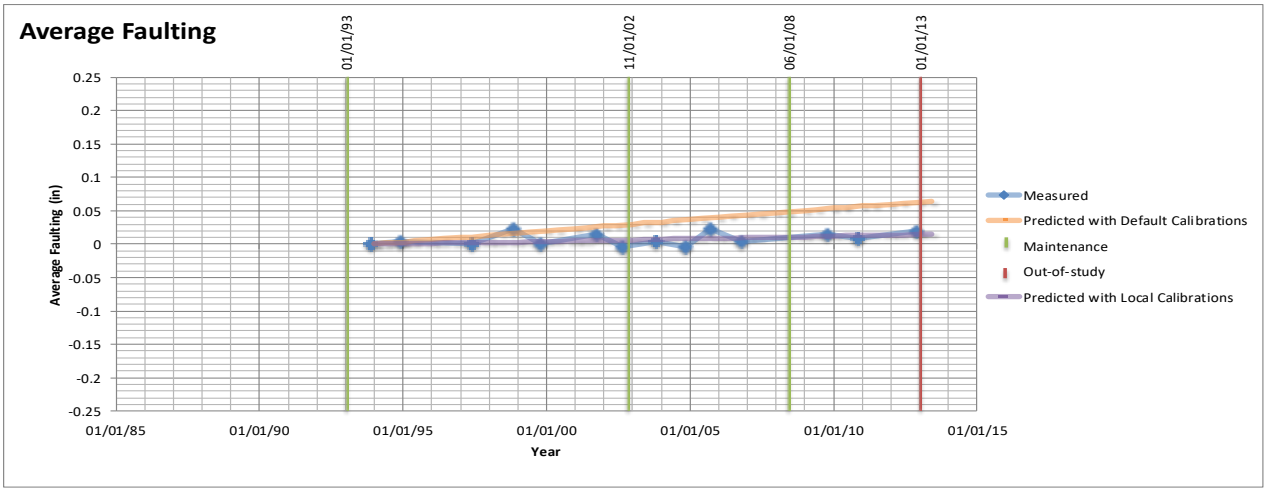


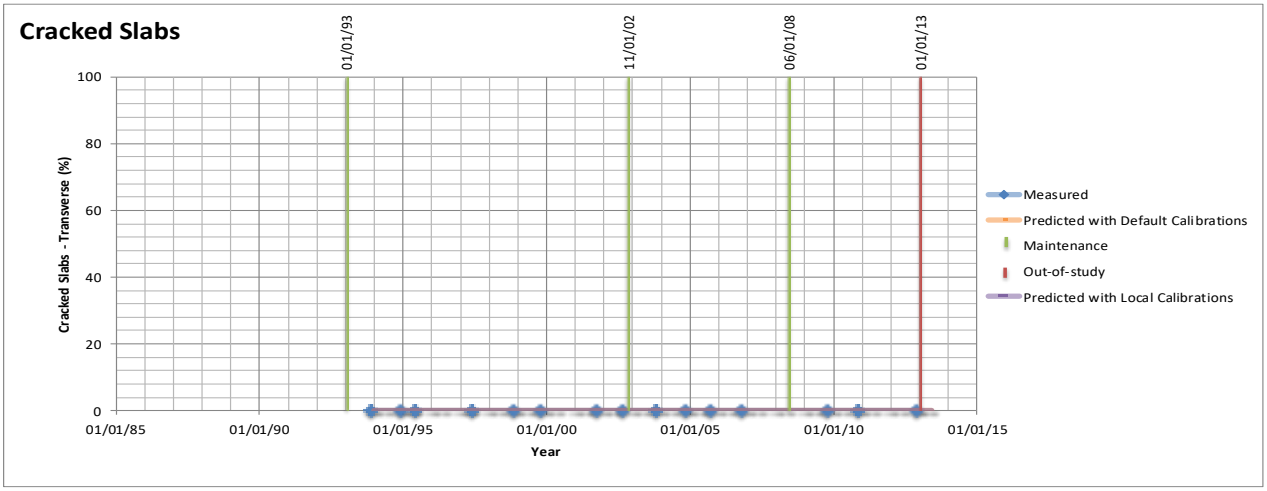


Date	Event
1-Jan-1993	In-study
1-Nov-2002	Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2008	Partial depth patching of PCC pavements at joints
1-Jan-2013	Out-of-study

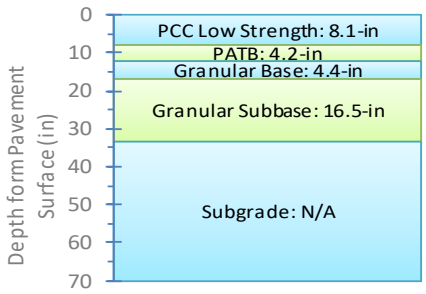


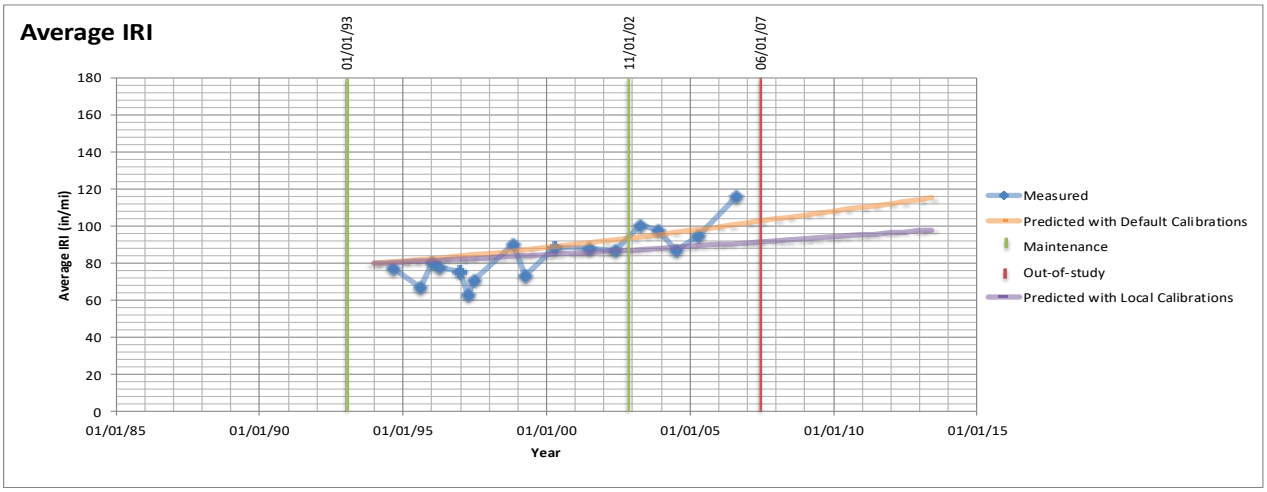


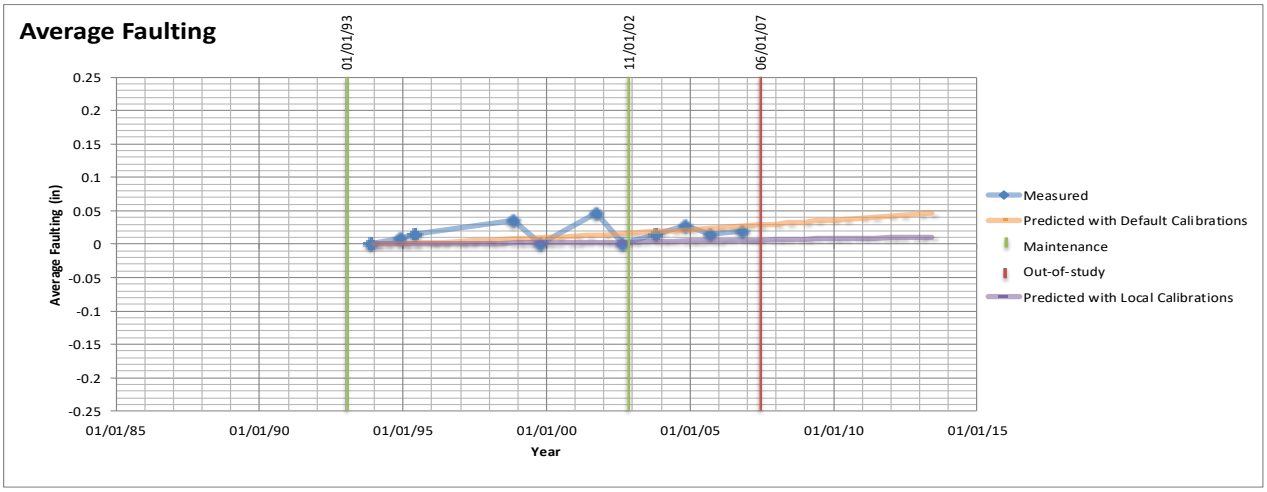


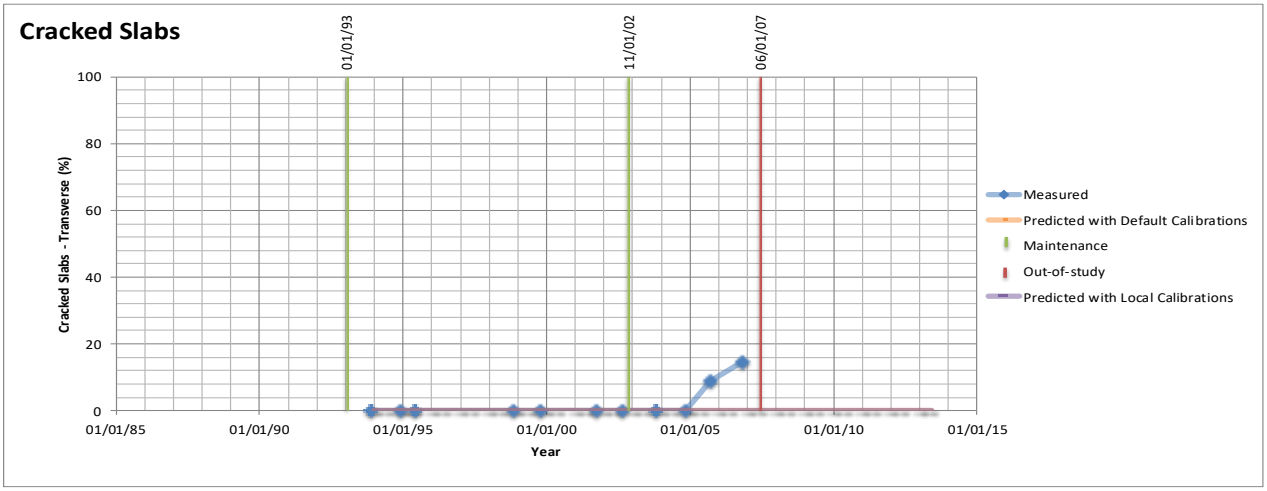


Date	Event
1-Jan-1993	In-study
1-Nov-2002	Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2008	Partial depth patching of PCC pavements at joints
1-Jan-2013	Out-of-study

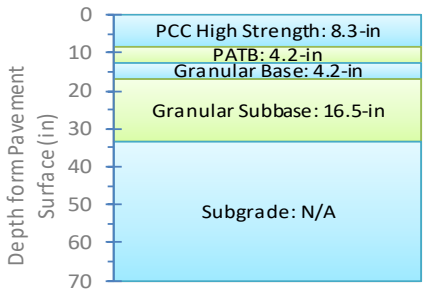


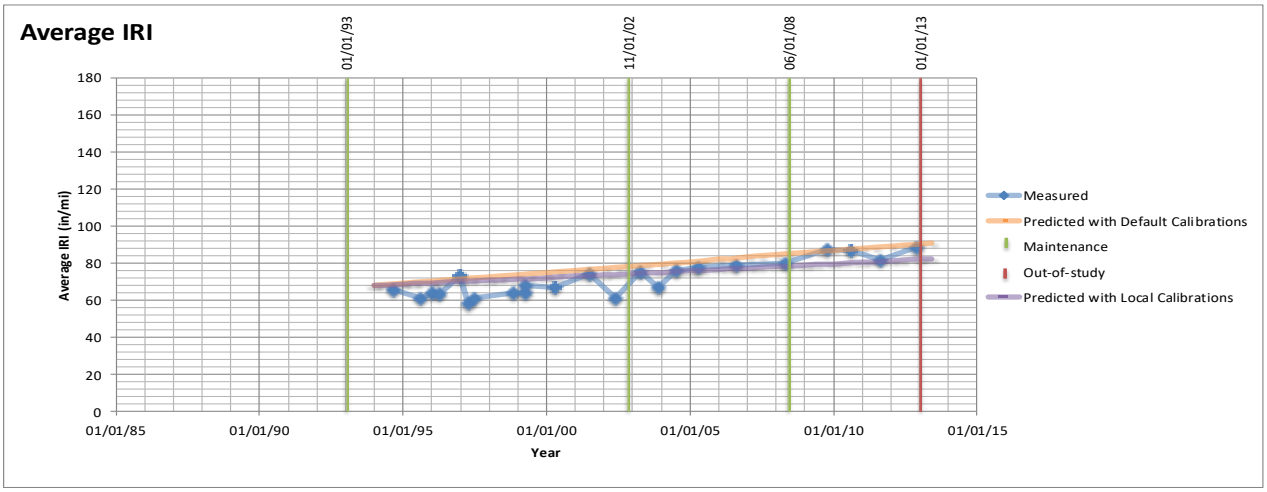


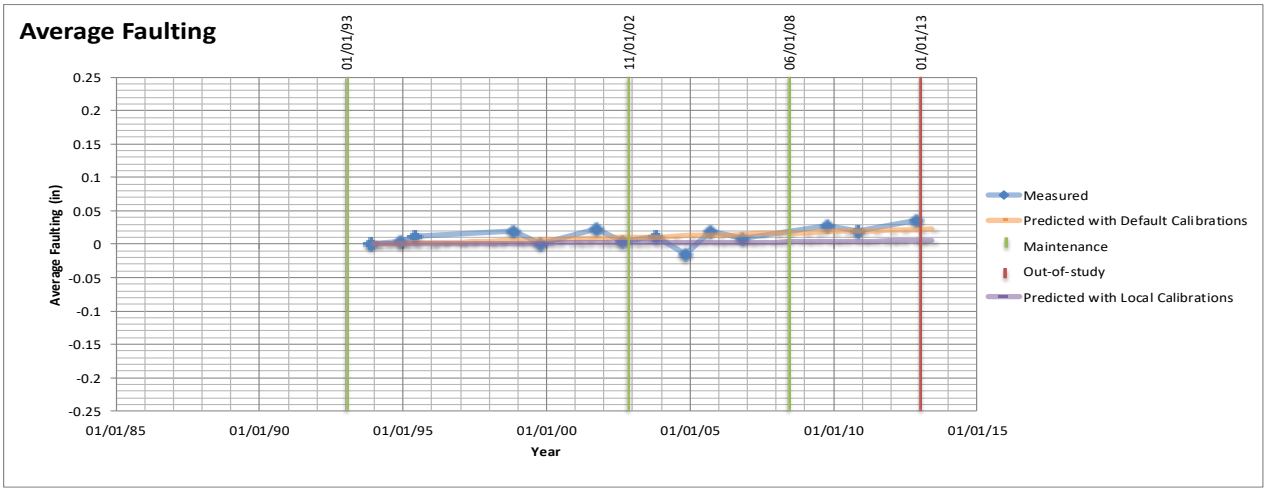


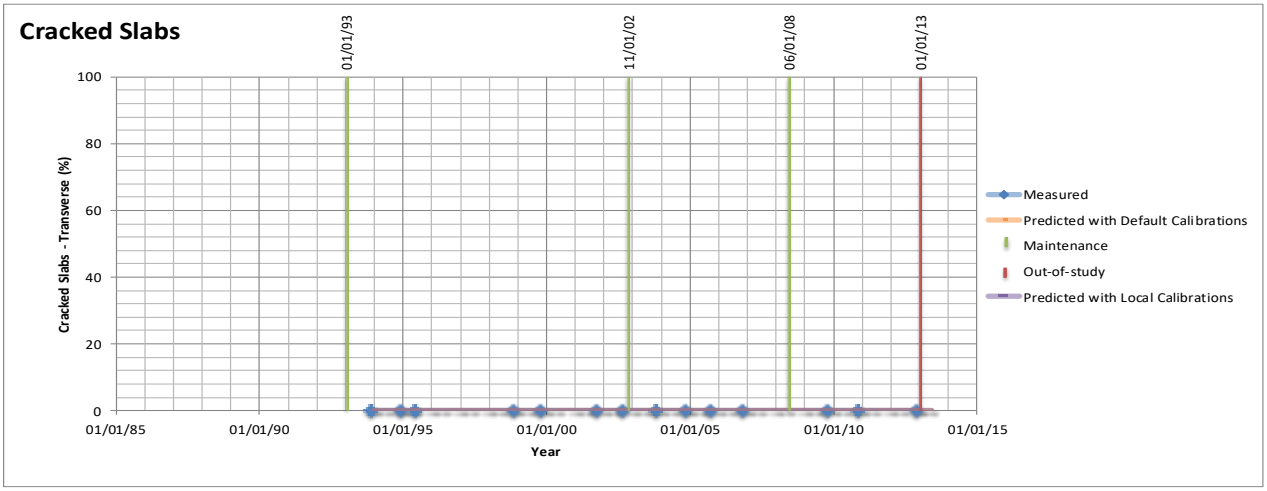


Date	Event
1-Jan-1993	In-study
1-Nov-2002	Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2007	Out-of-study

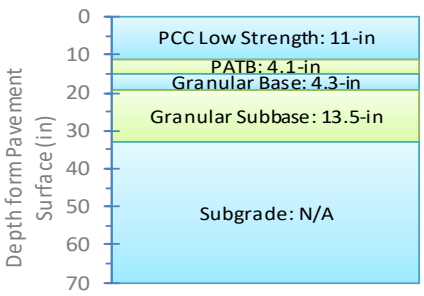


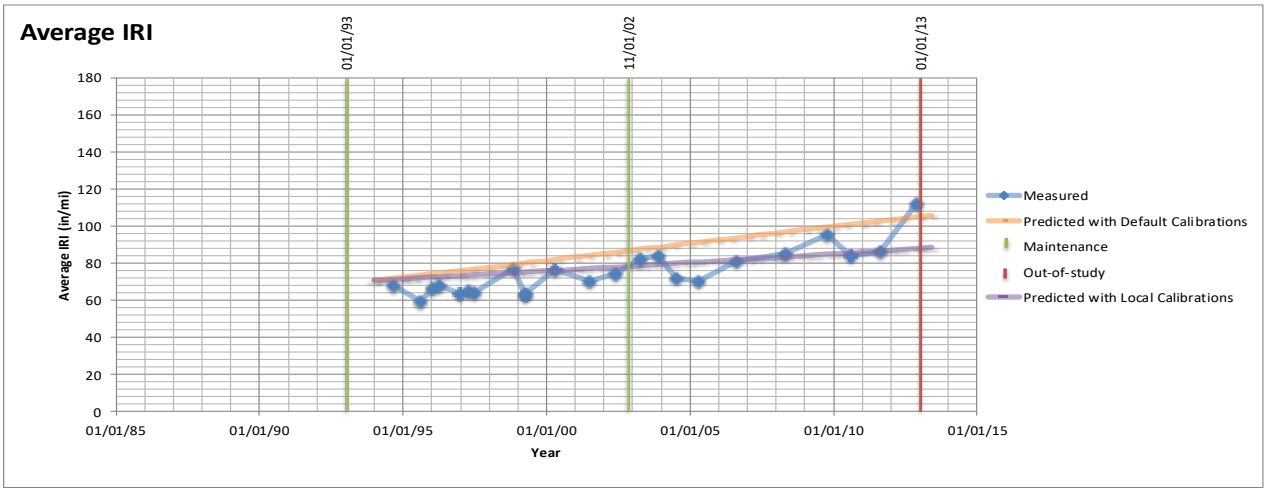


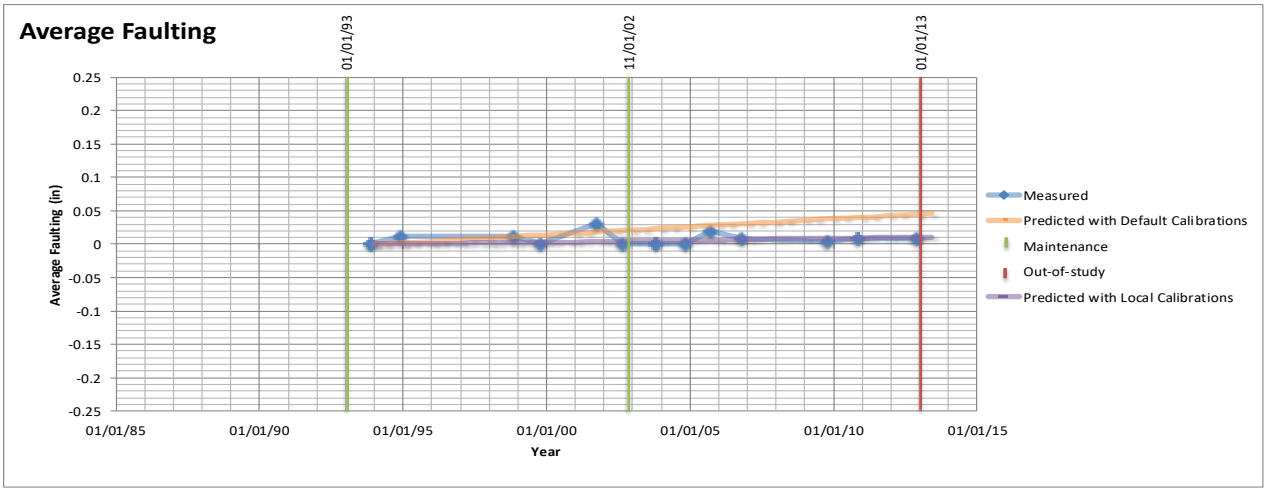


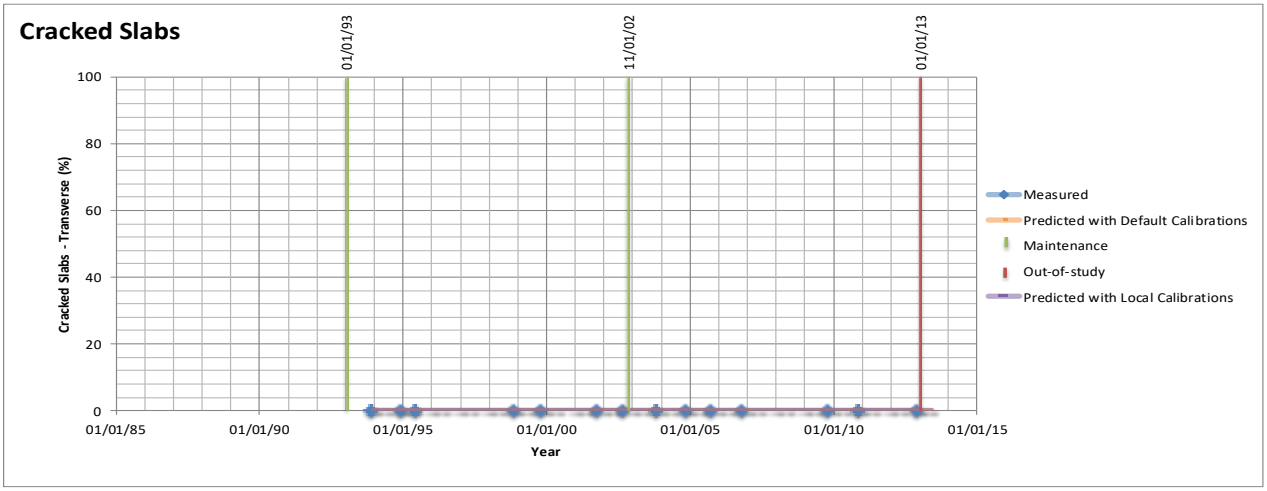


Date	Event
1-Jan-1993	In-study
1-Nov-2002	Lane-Shoulder Longitudinal Joint Sealing
1-Jun-2008	Partial depth patching of PCC pavements at joints
1-Jan-2013	Out-of-study

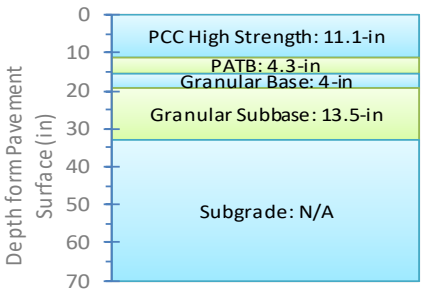


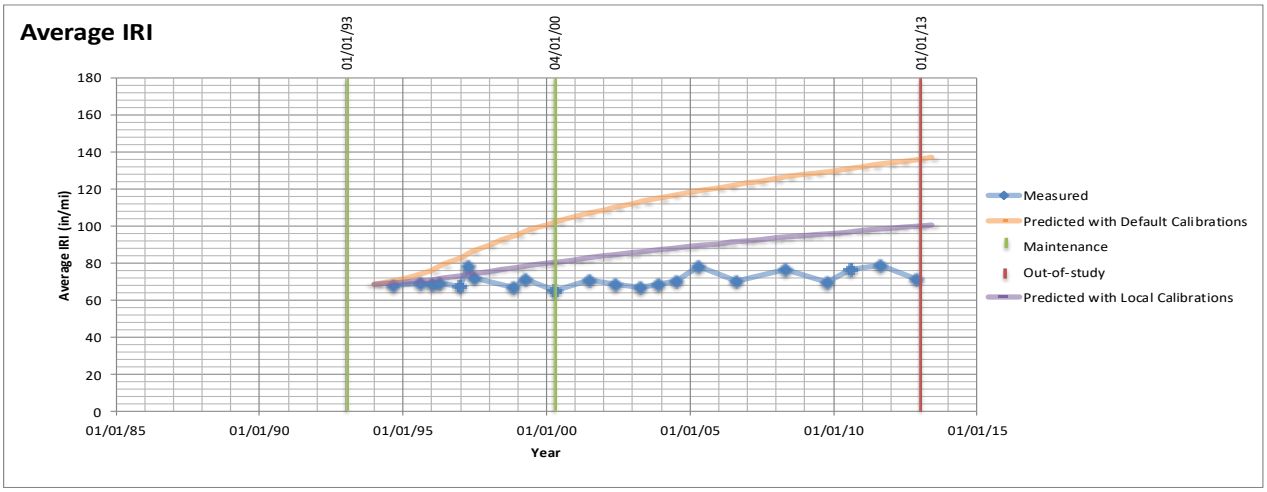


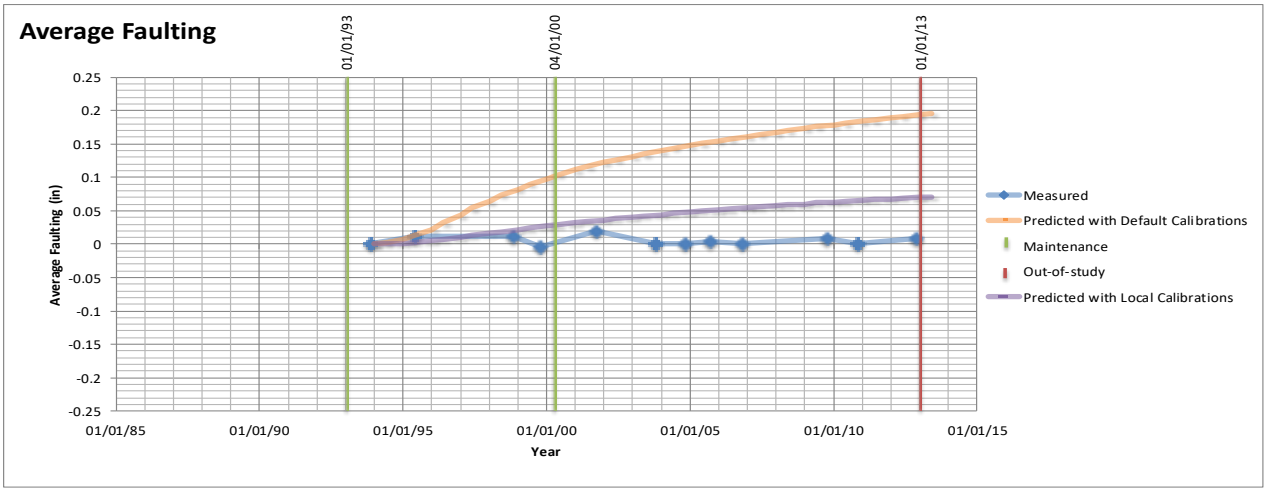


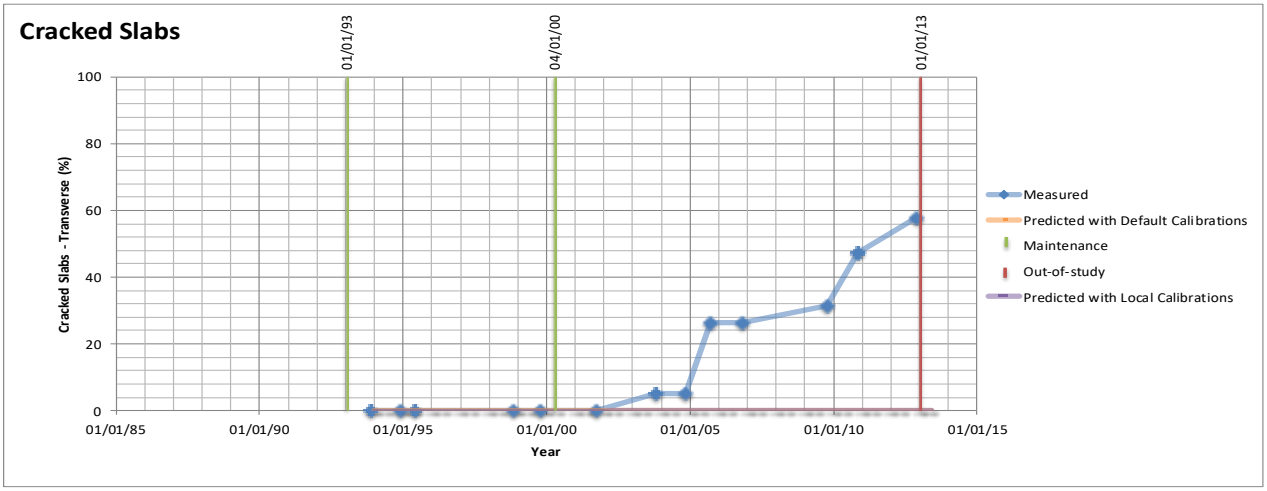


Date	Event
1-Jan-1993	In-study
1-Nov-2002	Lane-Shoulder Longitudinal Joint Sealing
1-Jan-2013	Out-of-study

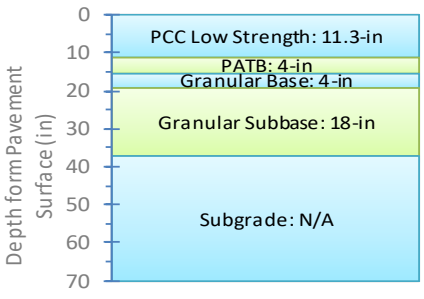


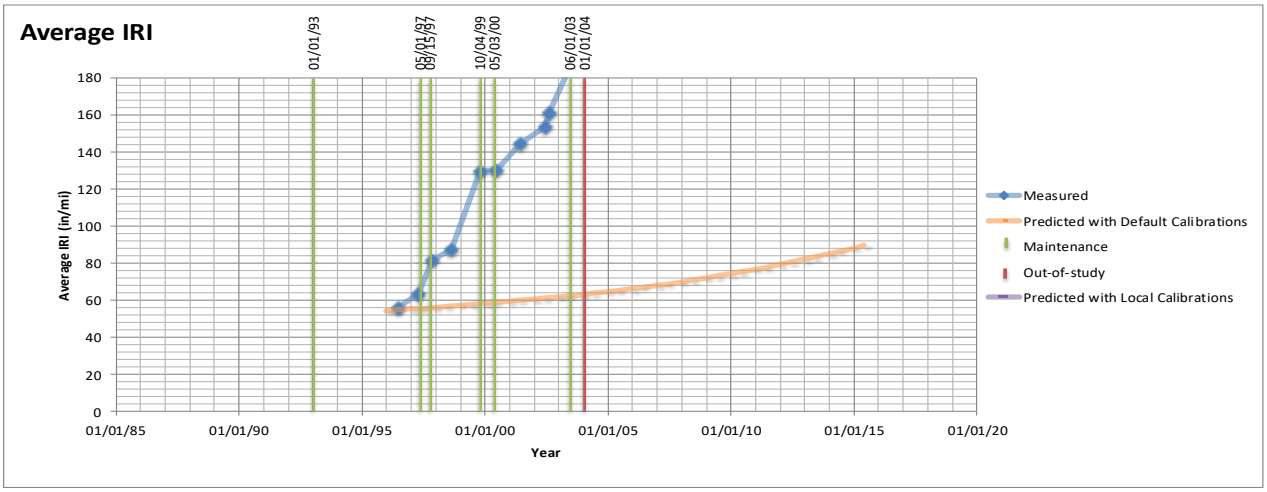


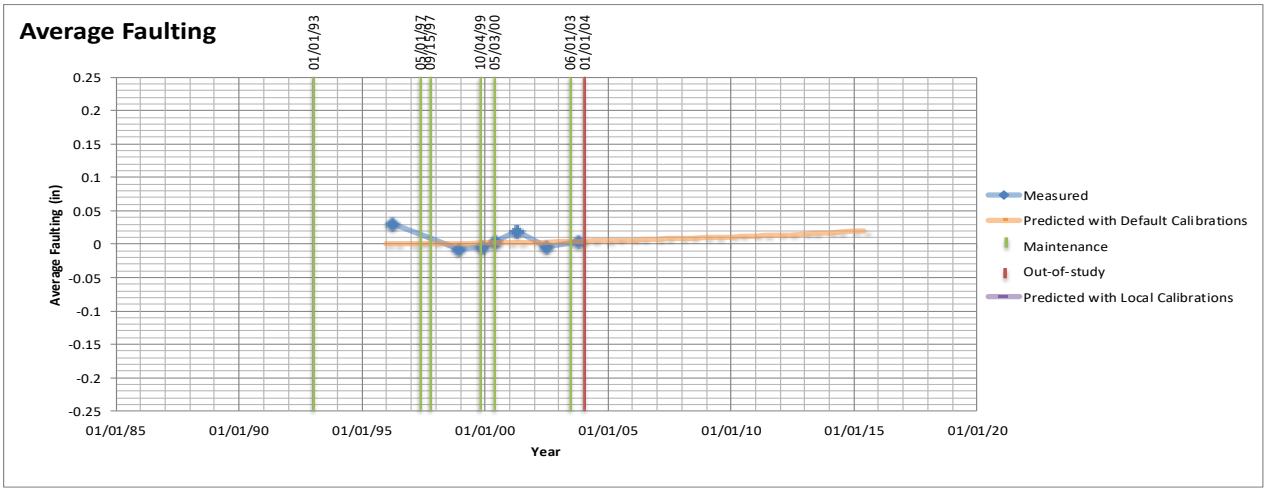


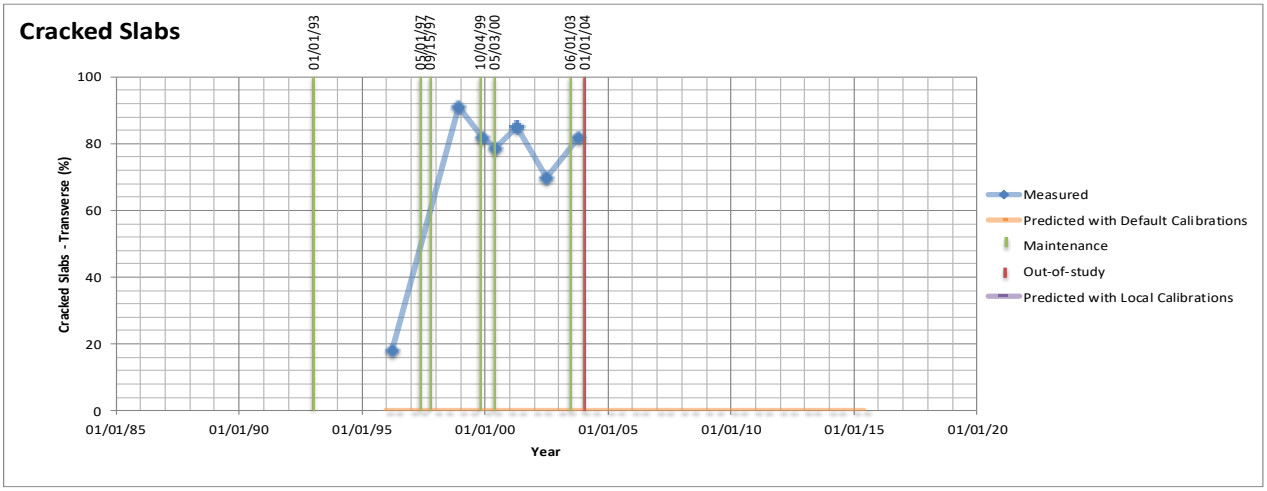


Date	Event
1-Jan-1993	In-study
1-Apr-2000	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Jan-2013	Out-of-study

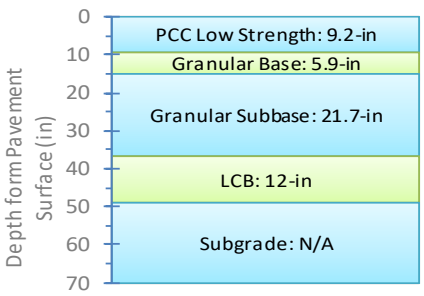


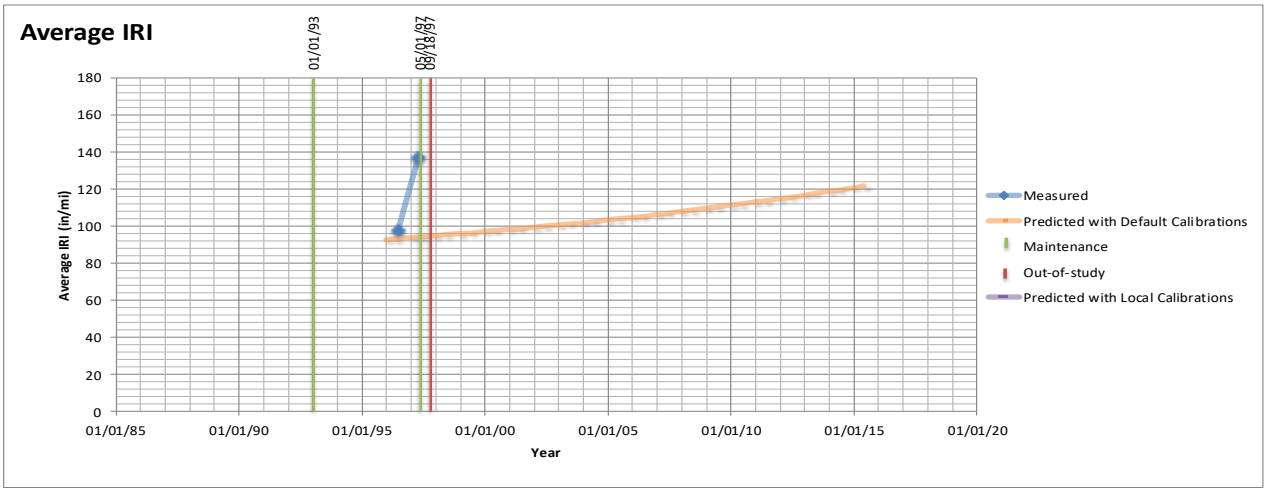


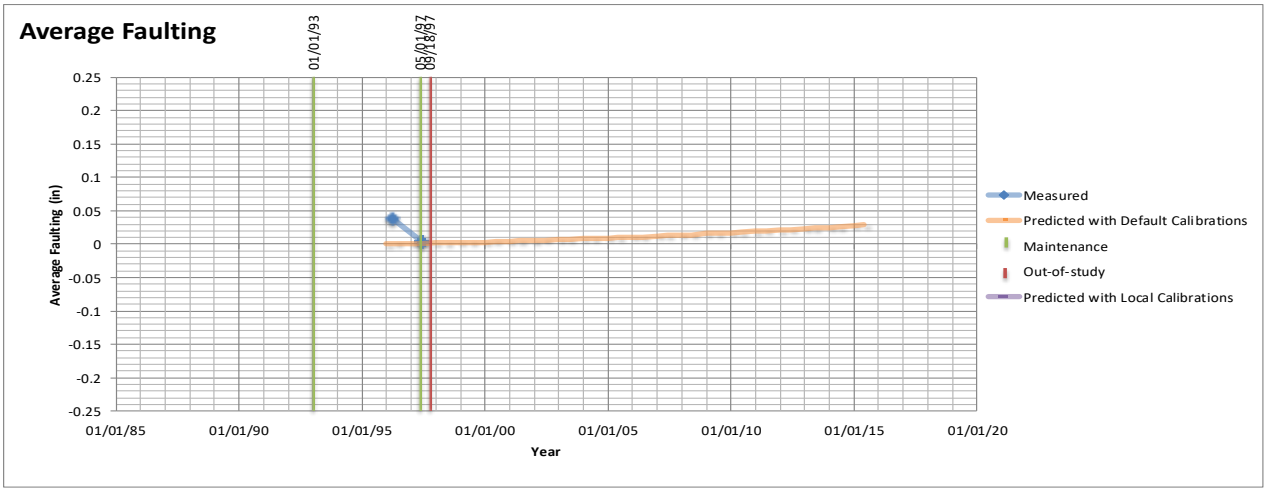


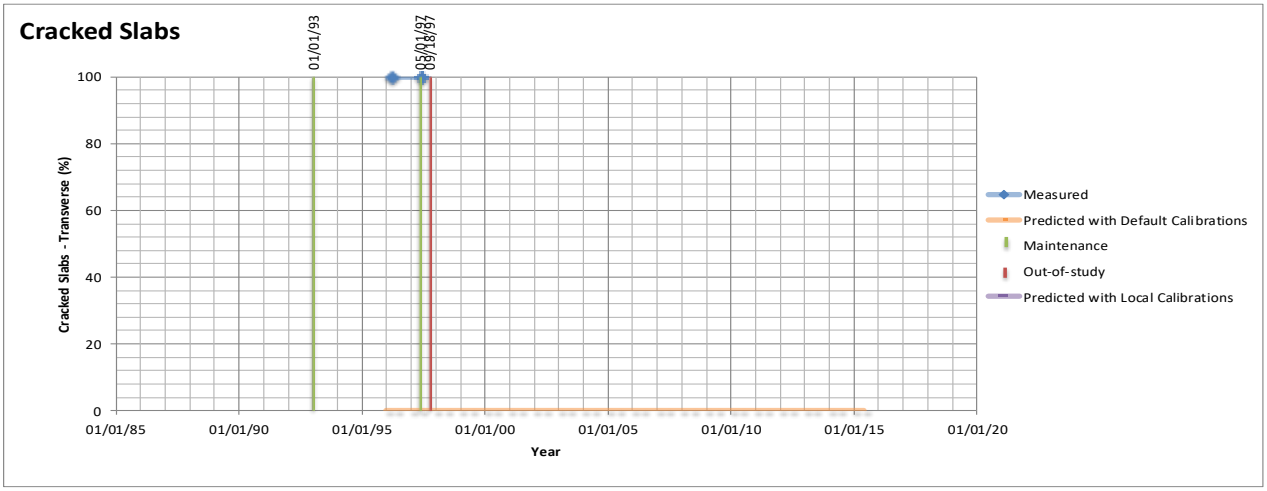


Date	Event
1-Jan-1993	In-study
1-May-1997	Full Depth Patching of PCC Pavement Other Than at Joint
15-Sep-1997	Crack Sealing
4-Oct-1999	Full Depth Patching of PCC Pavement Other Than at Joint
3-May-2000	Full Depth Patching of PCC Pavement Other Than at Joint
1-Jun-2003	Full Depth Patching of PCC Pavement Other Than at Joint
1-Jan-2004	Out-of-study

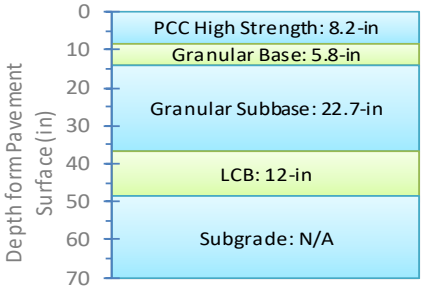


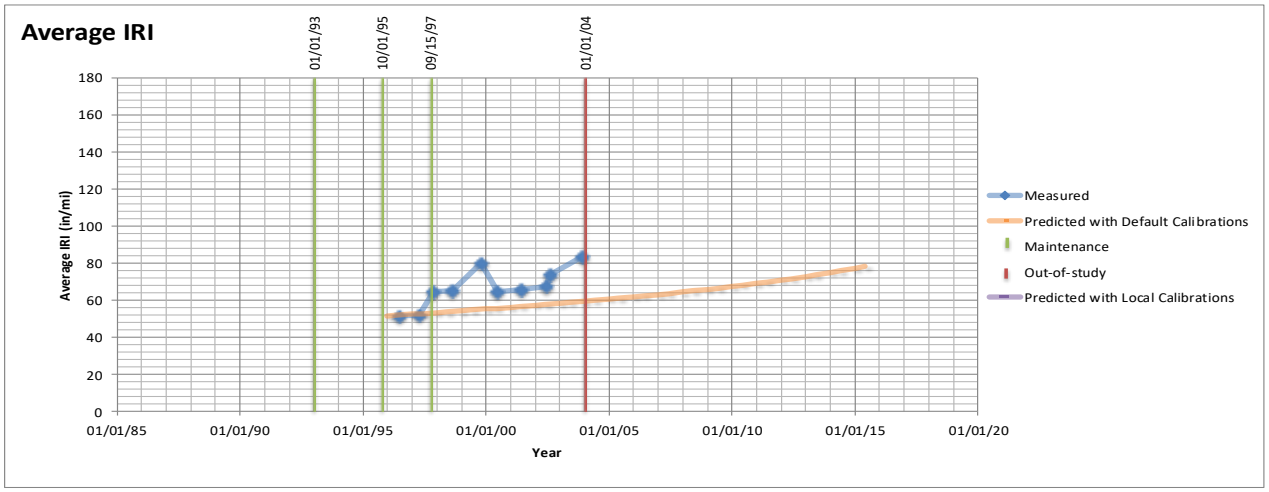


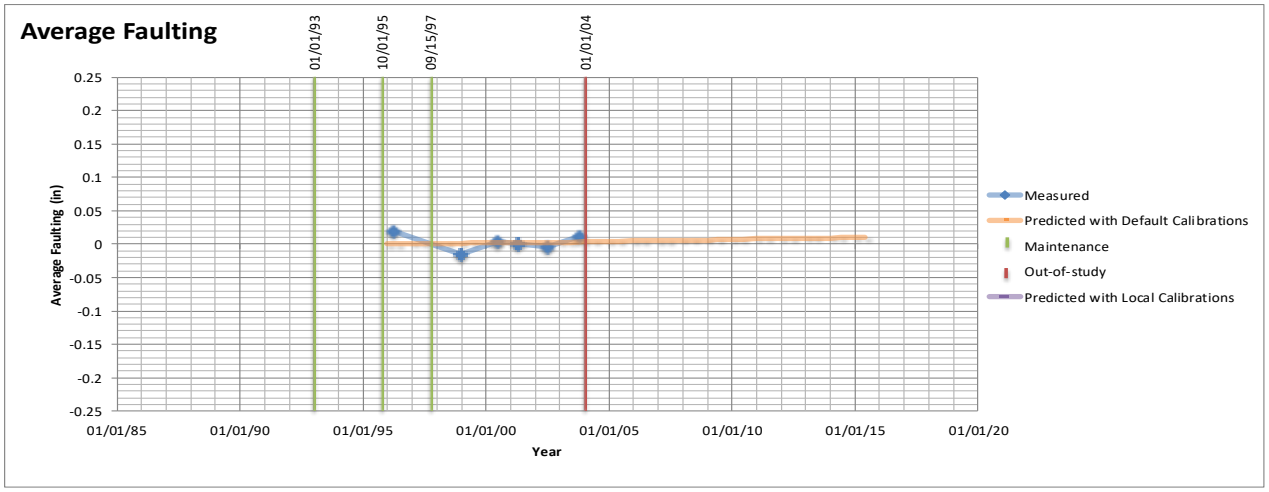


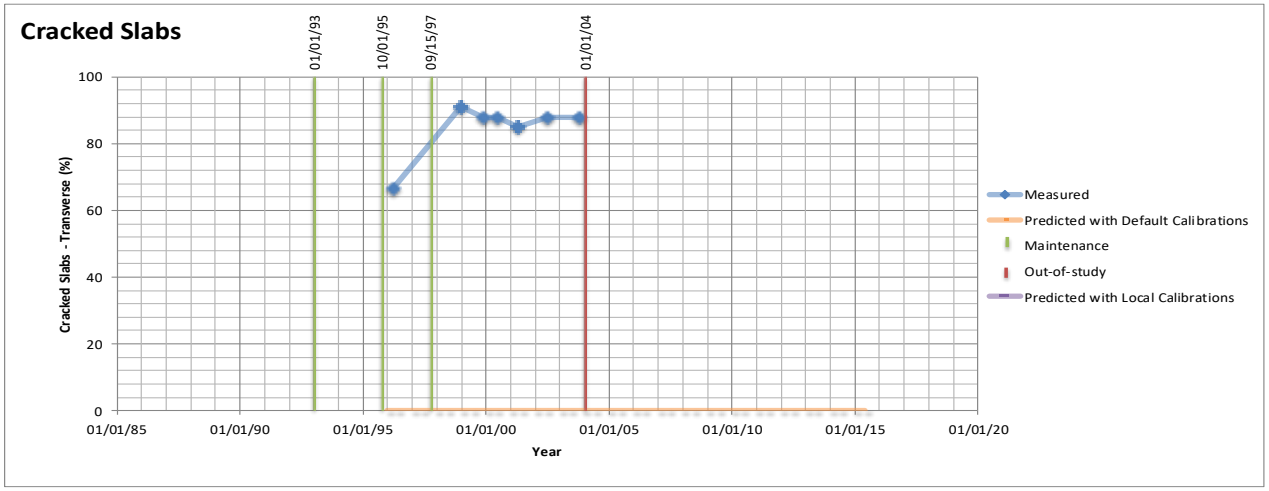


Date	Event
1-Jan-1993	In-study
1-May-1997	Crack Sealing; Partial Depth Patching of PCC Pavement Other Than at Joint
18-Sep-1997	Out-of-study

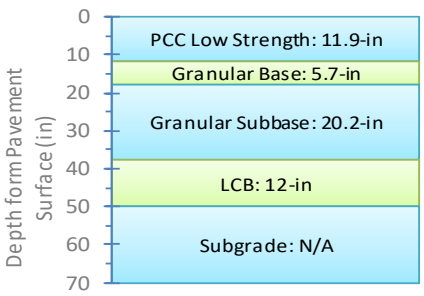


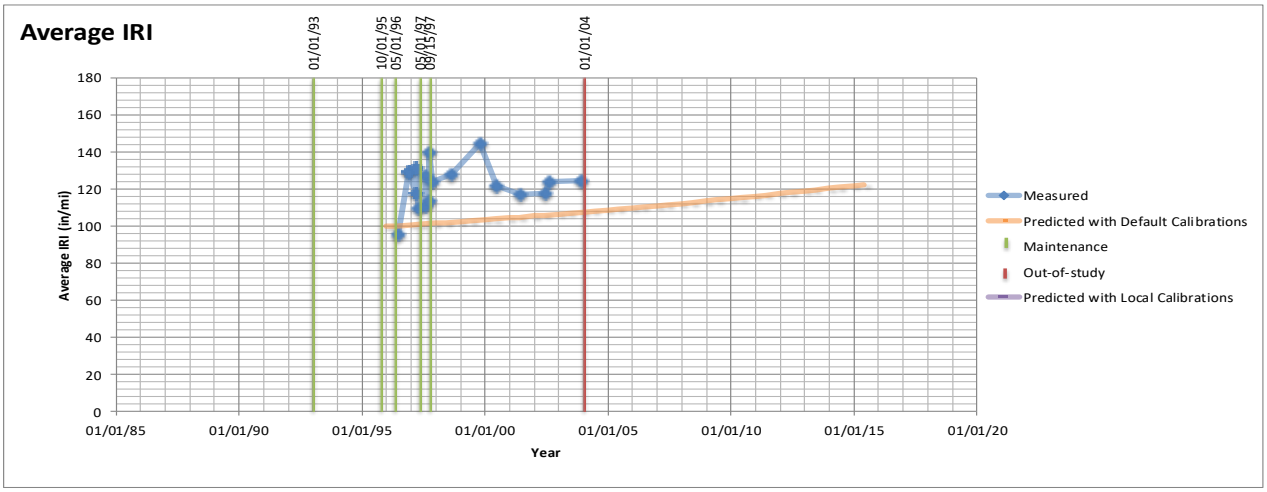


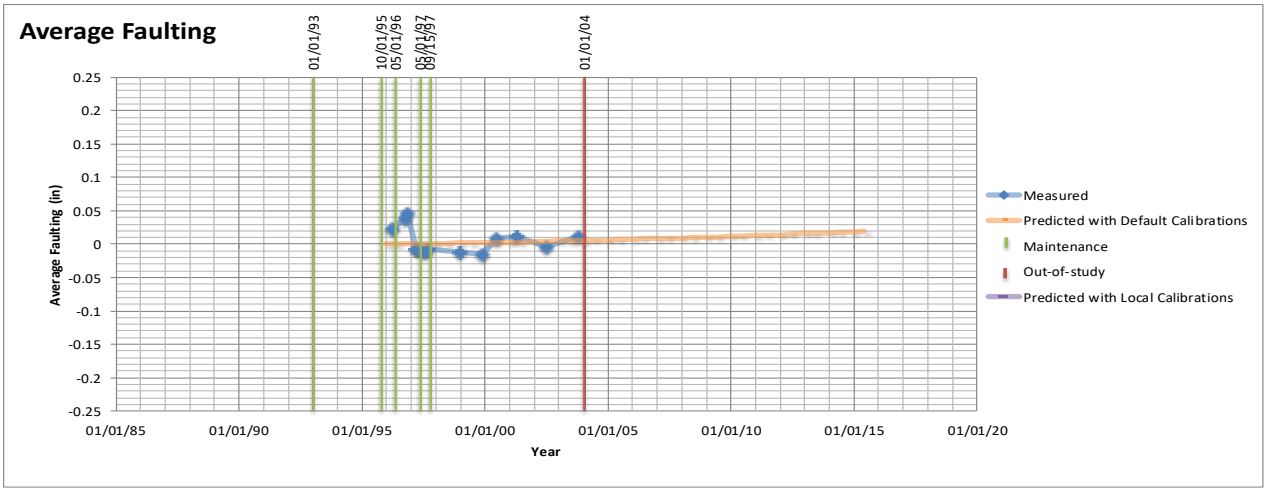


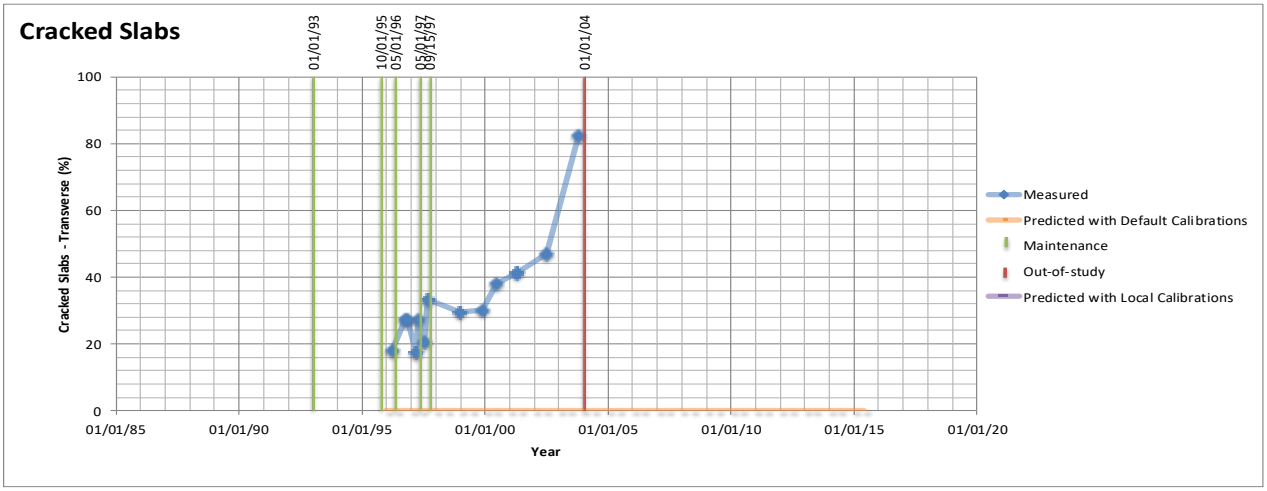


Date	Event
1-Jan-1993	In-study
1-Oct-1995	Crack Sealing
15-Sep-1997	Crack Sealing
1-Jan-2004	Out-of-study

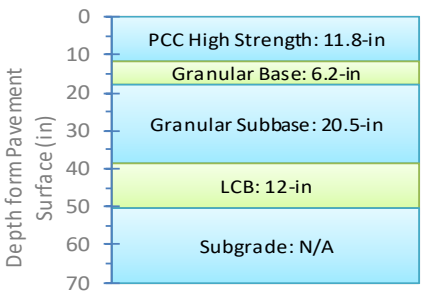


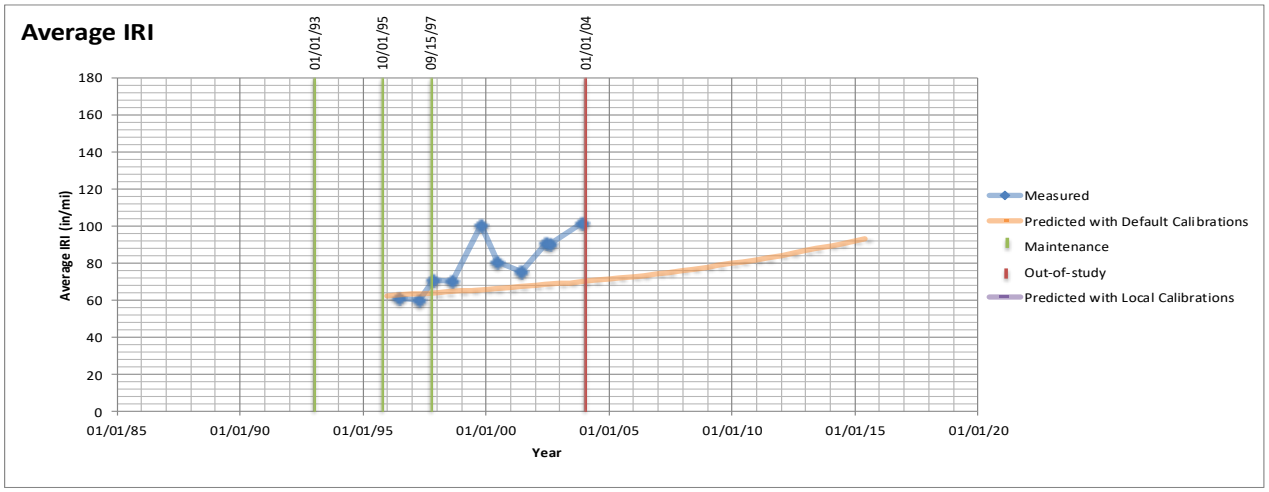


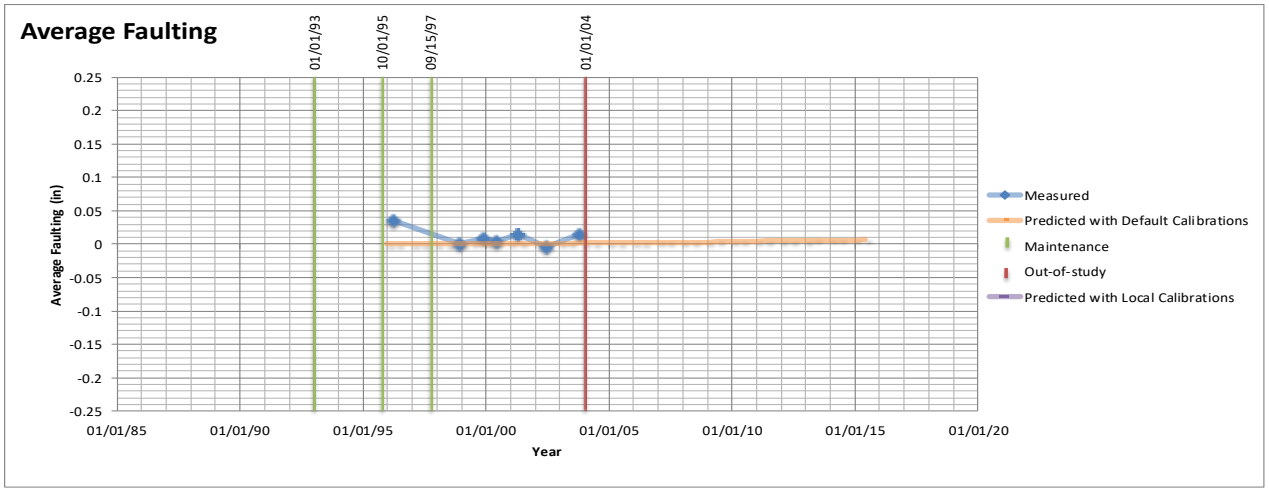


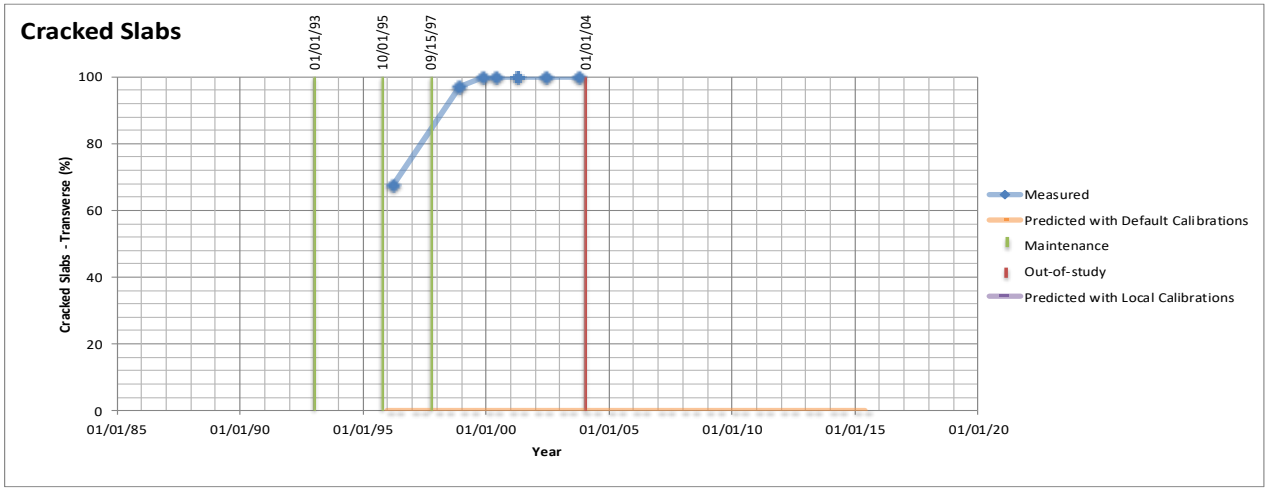


Date	Event
1-Jan-1993	In-study
1-Oct-1995	Partial Depth Patching of PCC Pavement Other Than at Joint
1-May-1996	Partial Depth Patching of PCC Pavement Other Than at Joint
1-May-1997	Crack Sealing; Partial depth patching of PCC pavements at joints
15-Sep-1997	Crack Sealing
1-Jan-2004	Out-of-study

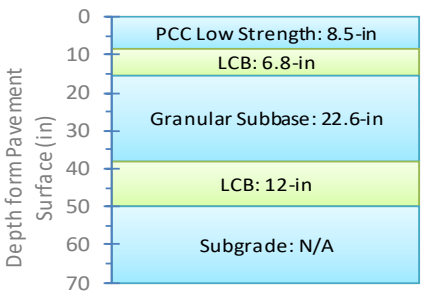


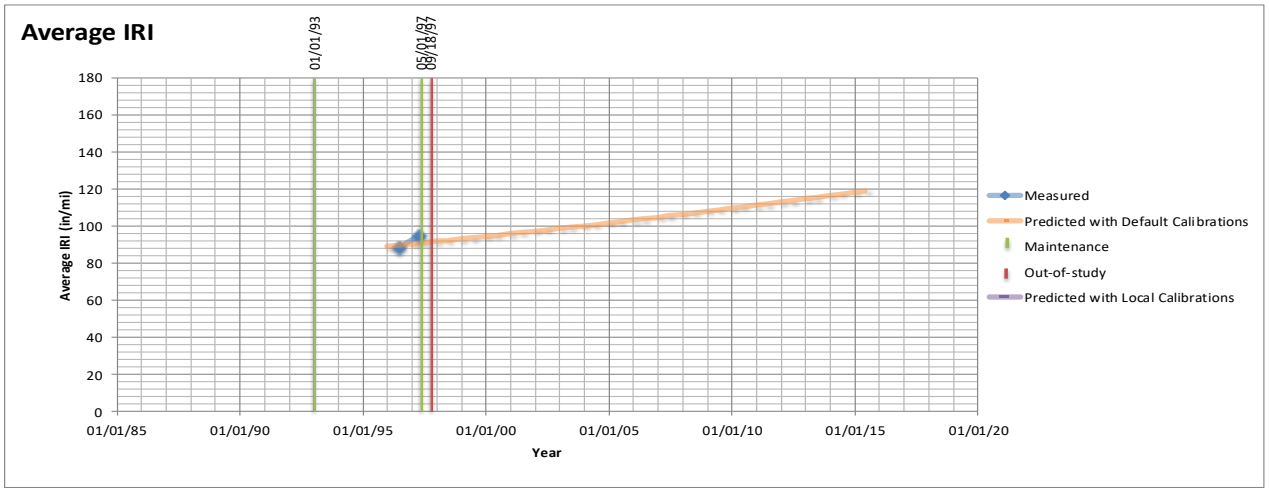


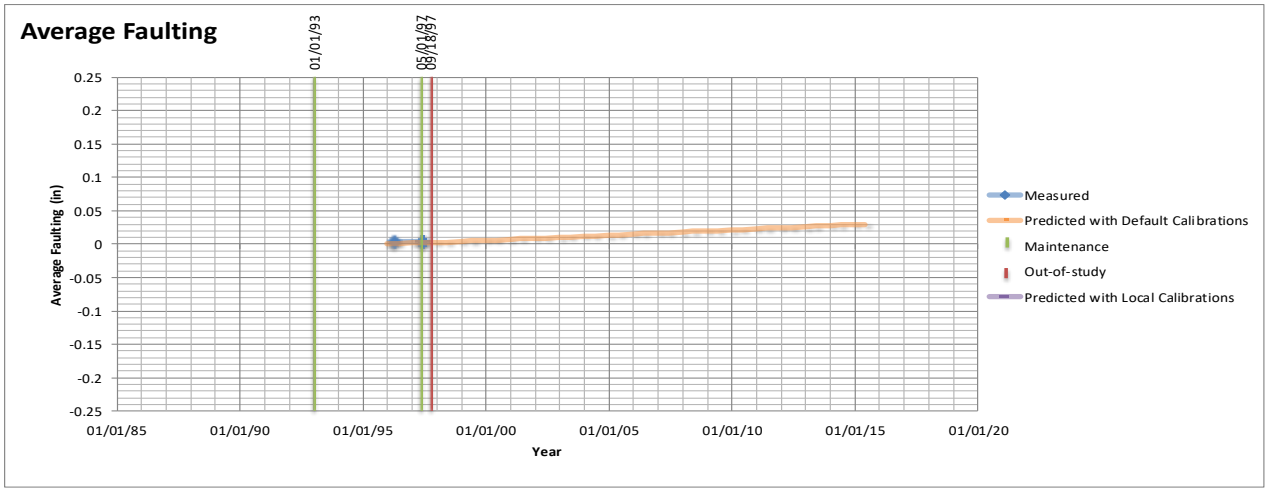


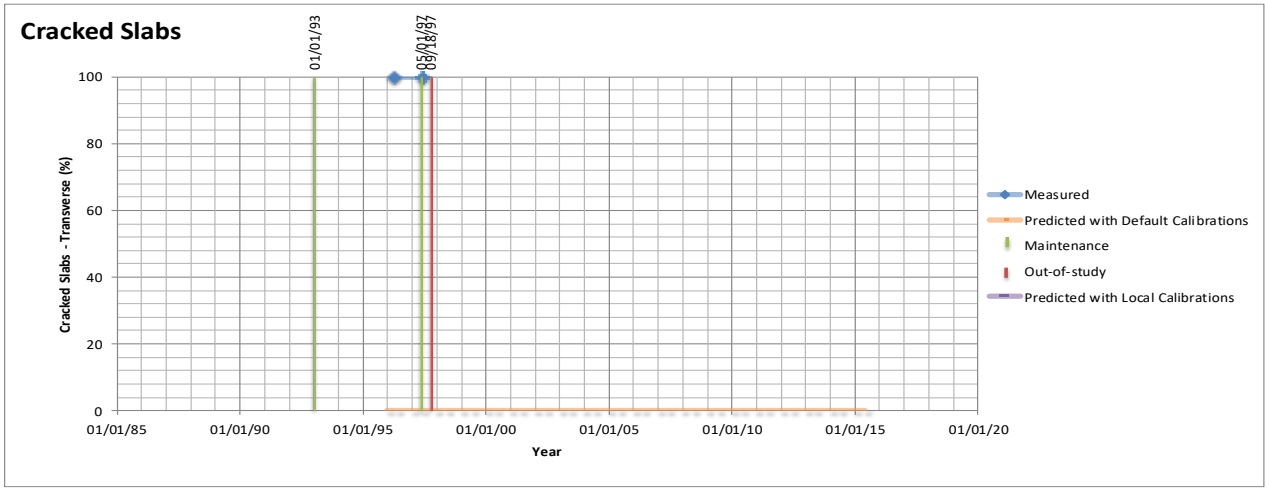


Date	Event
1-Jan-1993	In-study
1-Oct-1995	Crack Sealing
15-Sep-1997	Crack Sealing
1-Jan-2004	Out-of-study

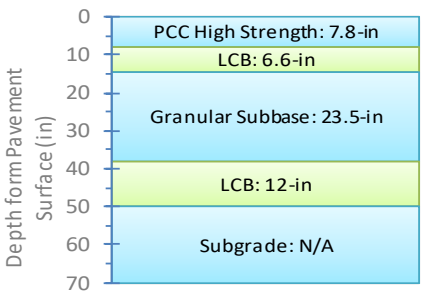


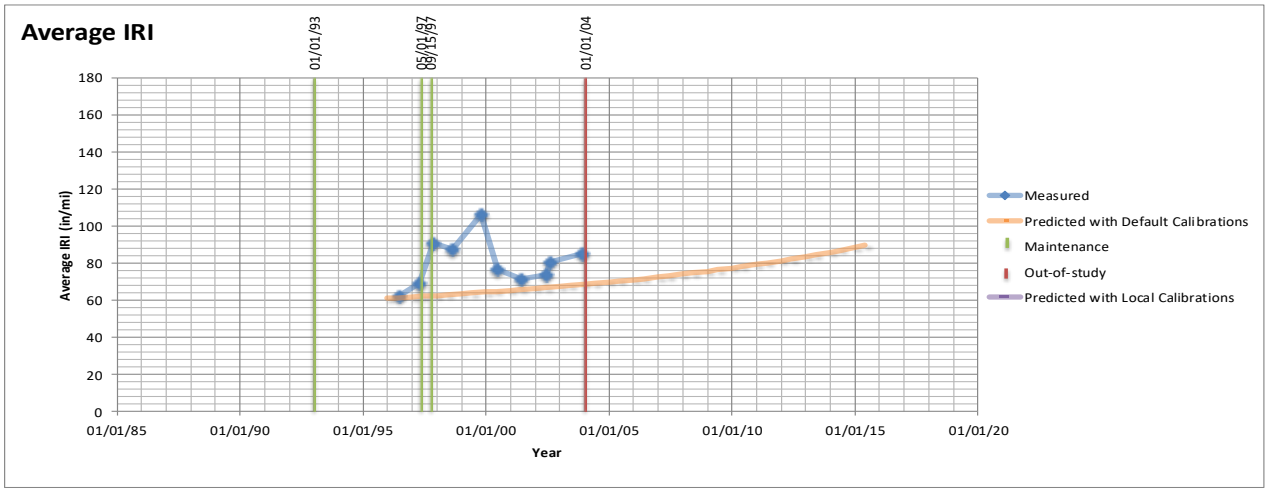


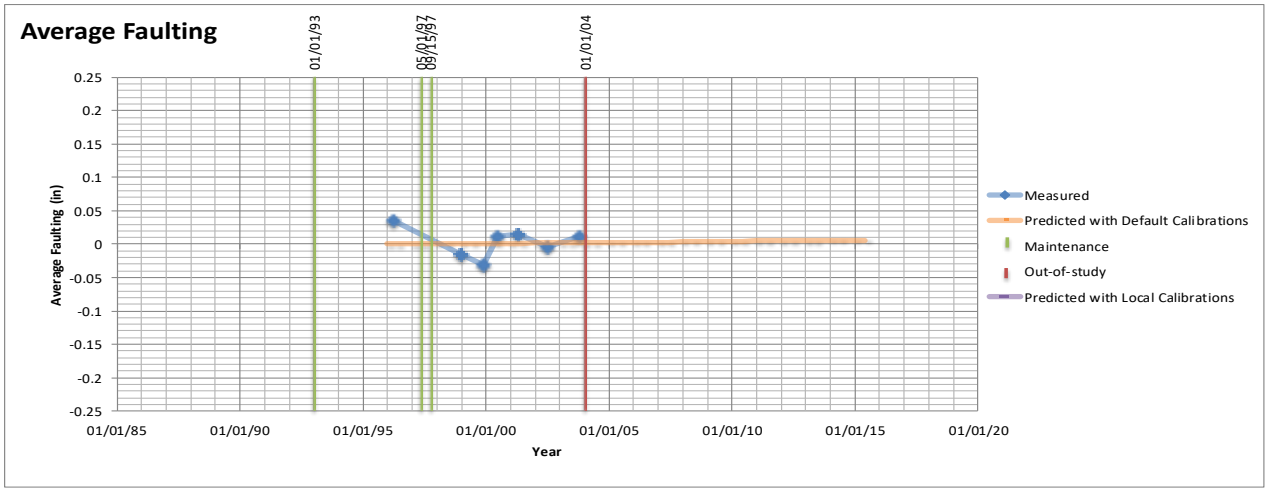


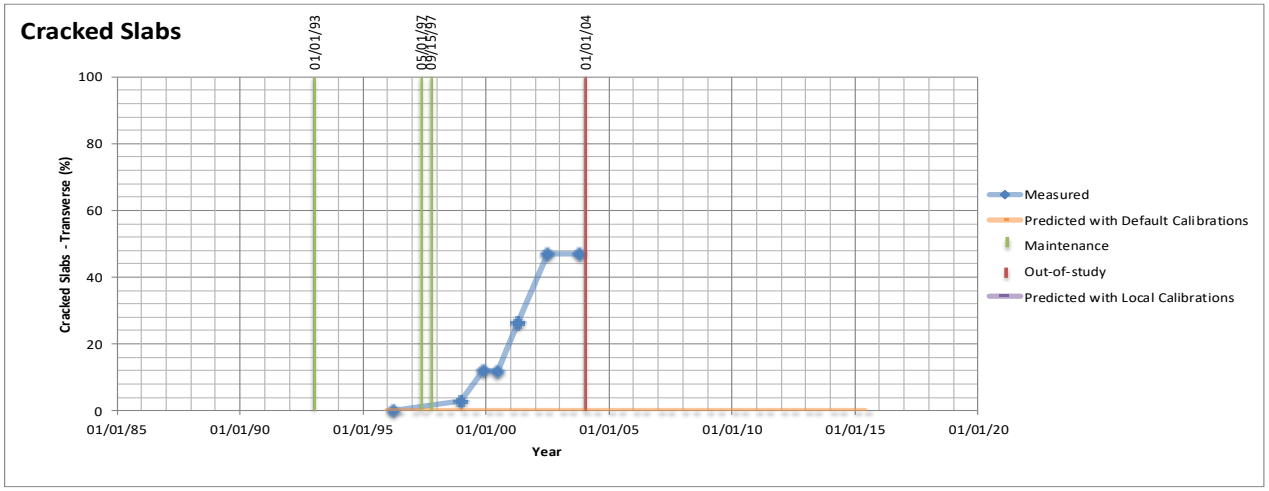


Date	Event
1-Jan-1993	In-study
1-May-1997	Partial Depth Patching of PCC Pavement Other Than at Joint
18-Sep-1997	Out-of-study

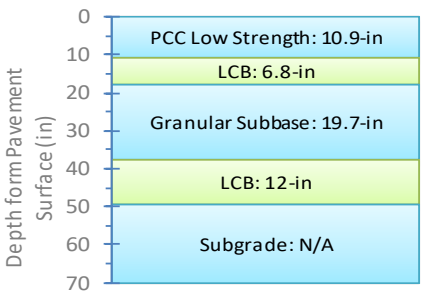


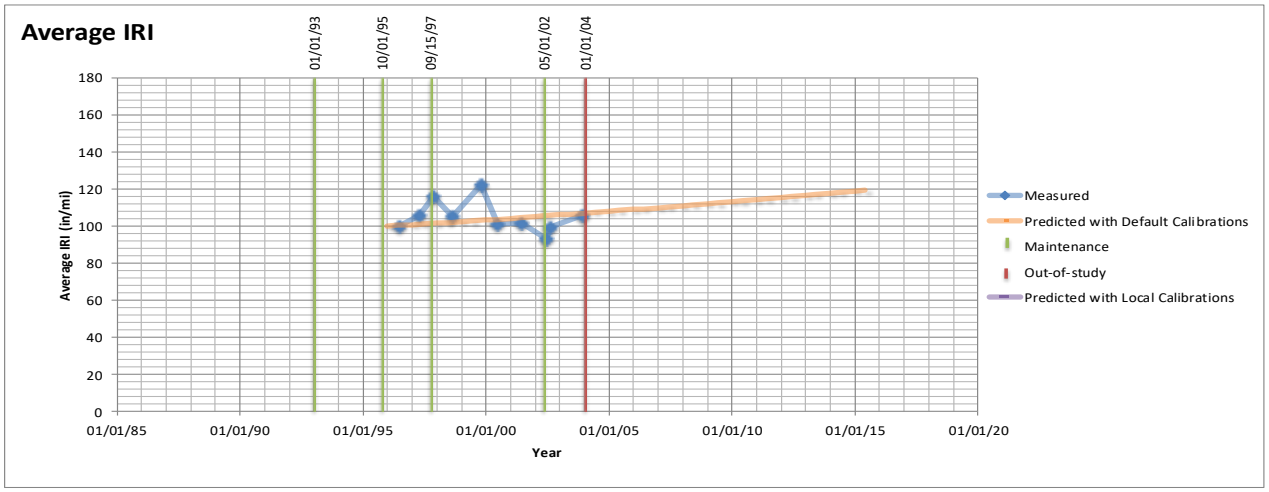


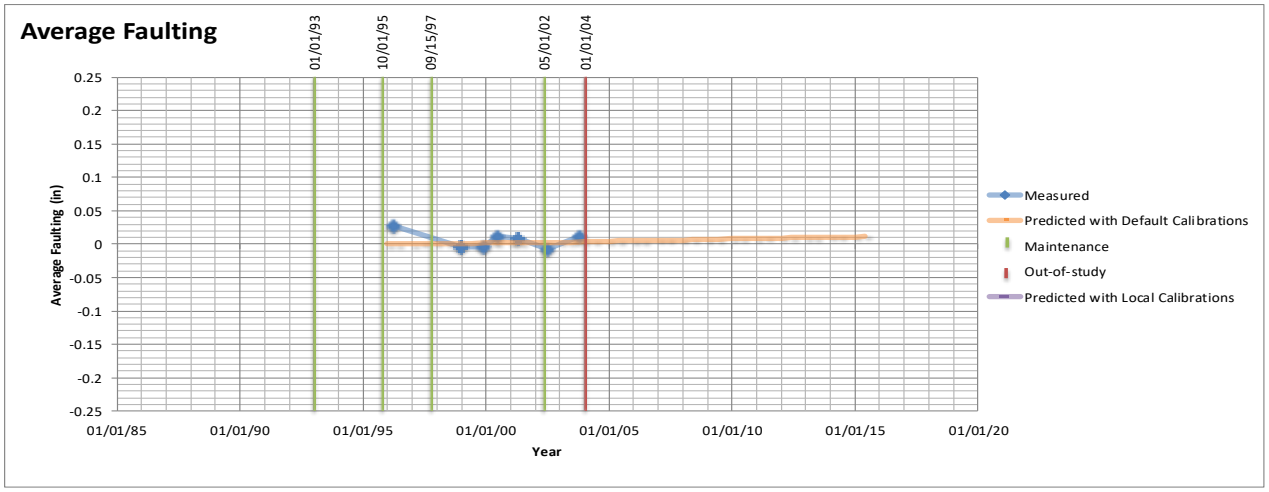


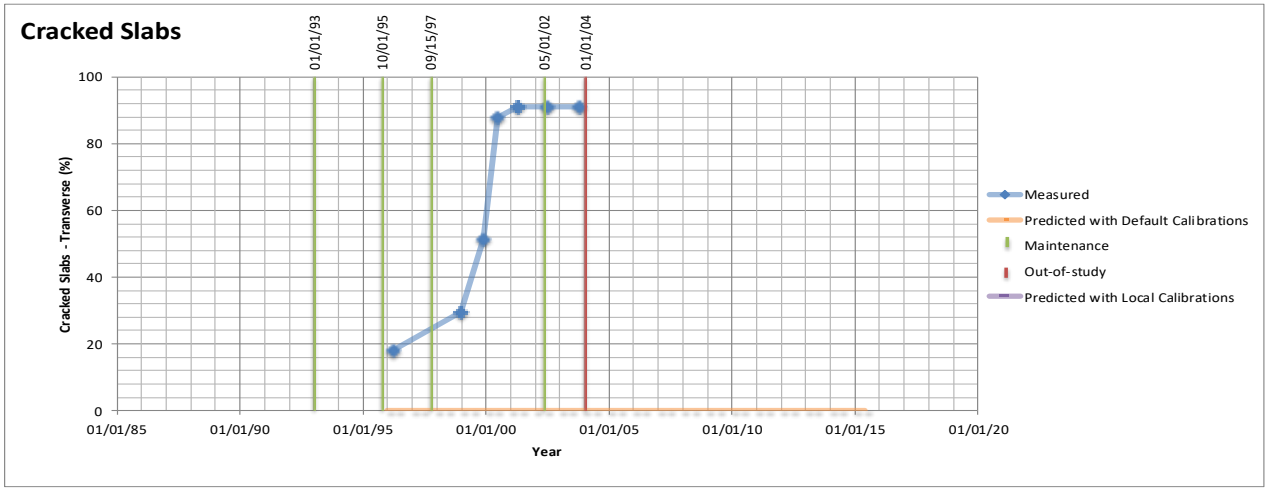


Date	Event
1-Jan-1993	In-study
1-May-1997	Partial depth patching of PCC pavements at joints
15-Sep-1997	Crack Sealing
1-Jan-2004	Out-of-study

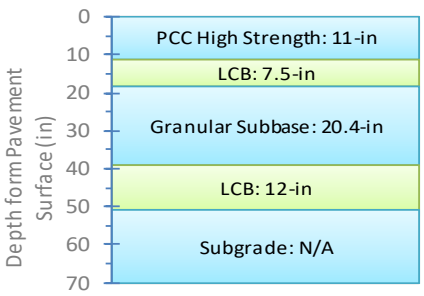


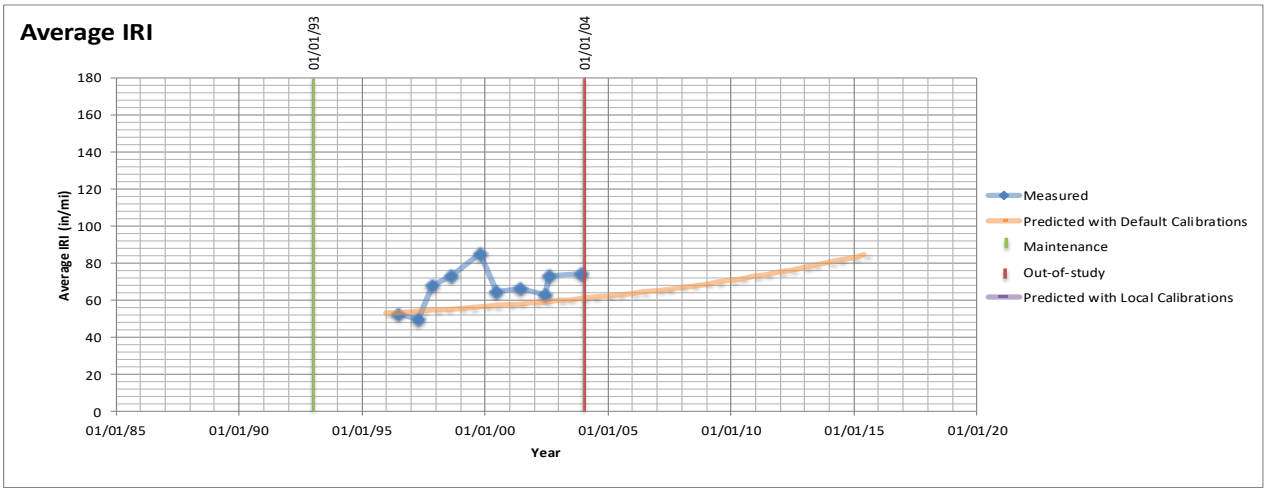


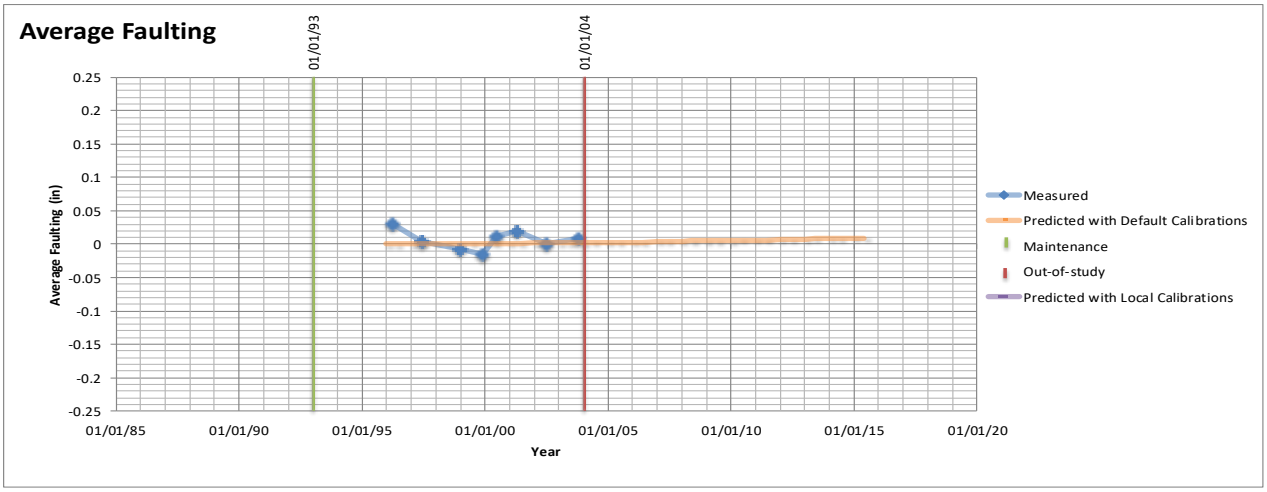


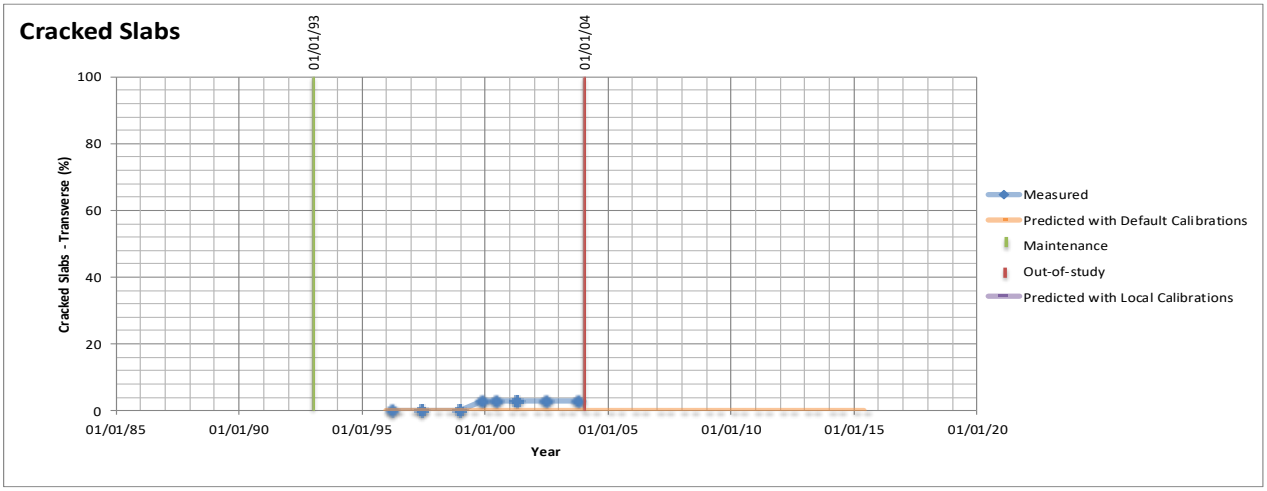


Date	Event
1-Jan-1993	In-study
1-Oct-1995	Partial Depth Patching of PCC Pavement Other Than at Joint
15-Sep-1997	Crack Sealing
1-May-2002	Partial Depth Patching of PCC Pavement Other Than at Joint
1-Jan-2004	Out-of-study

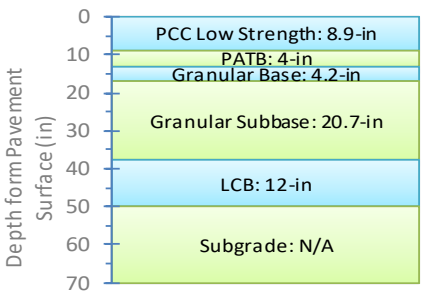


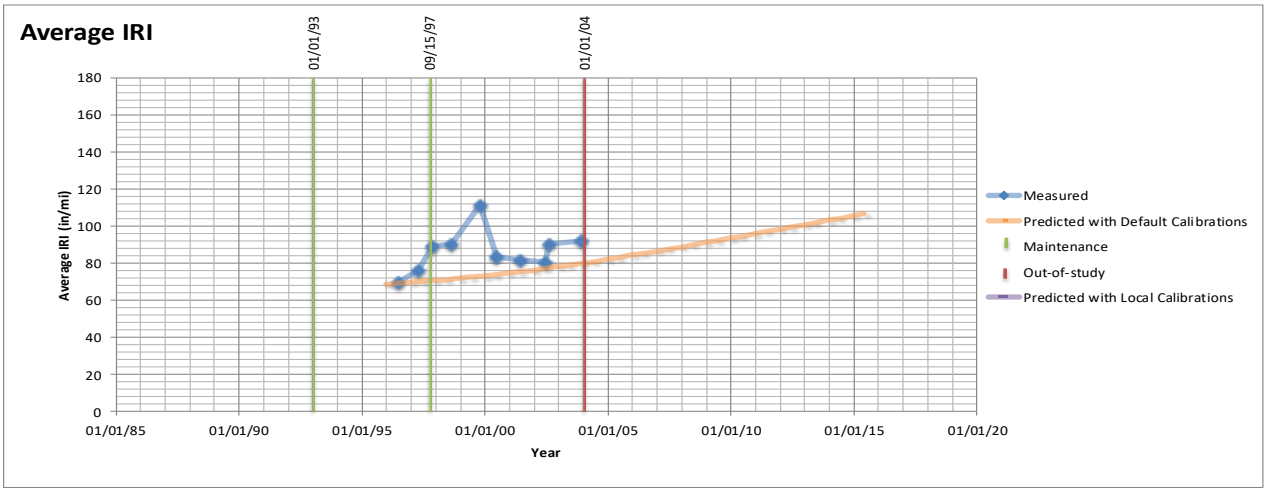


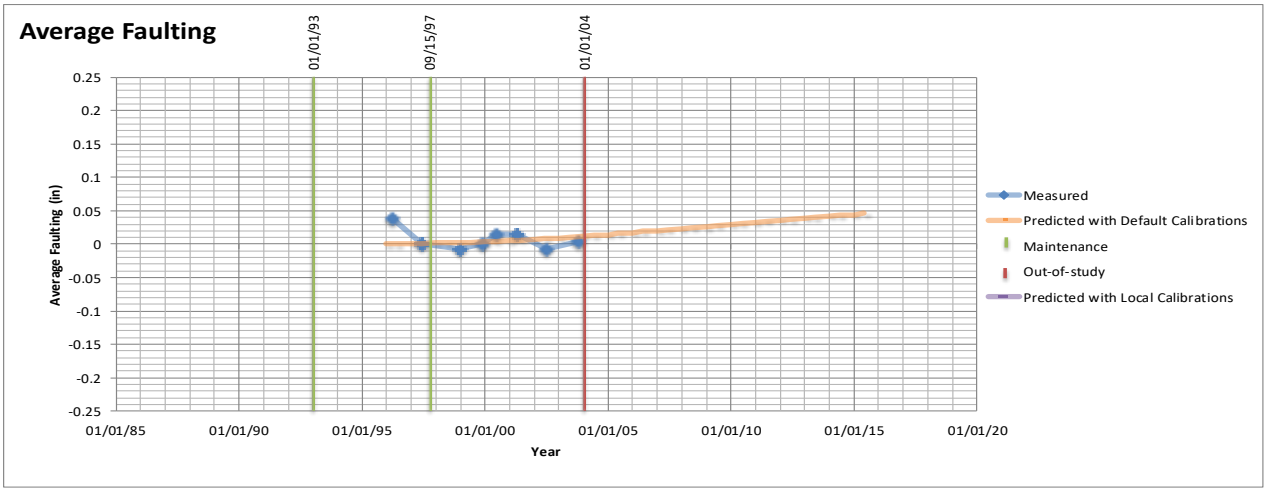


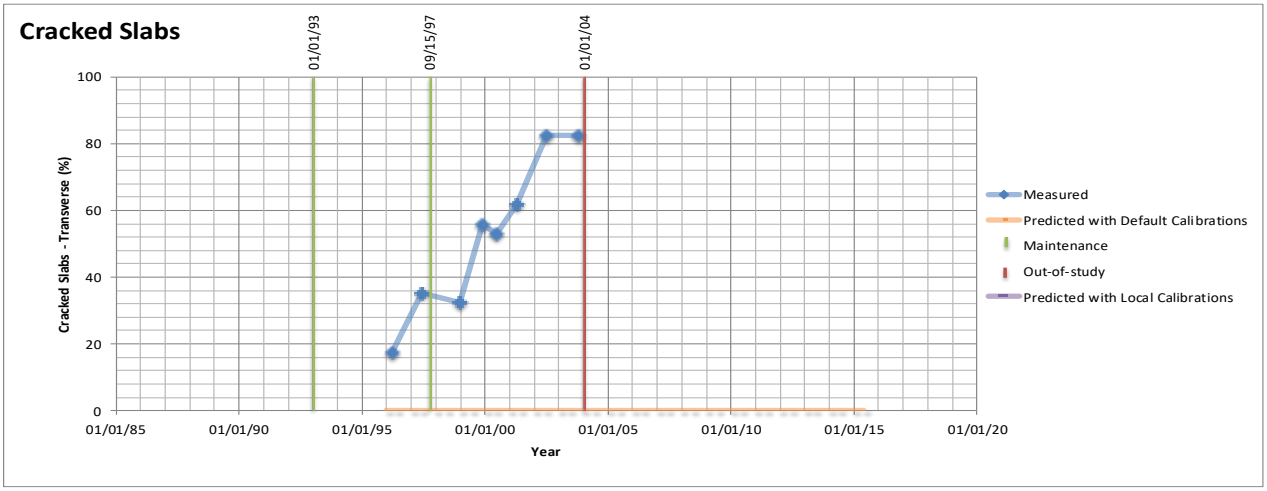


Date	Event
1-Jan-1993	In-study
1-Jan-2004	Out-of-study

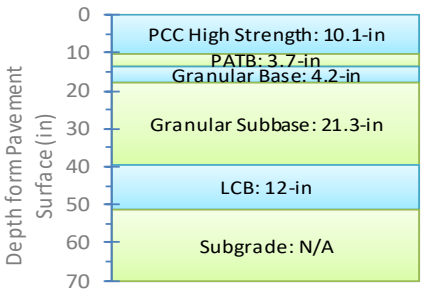


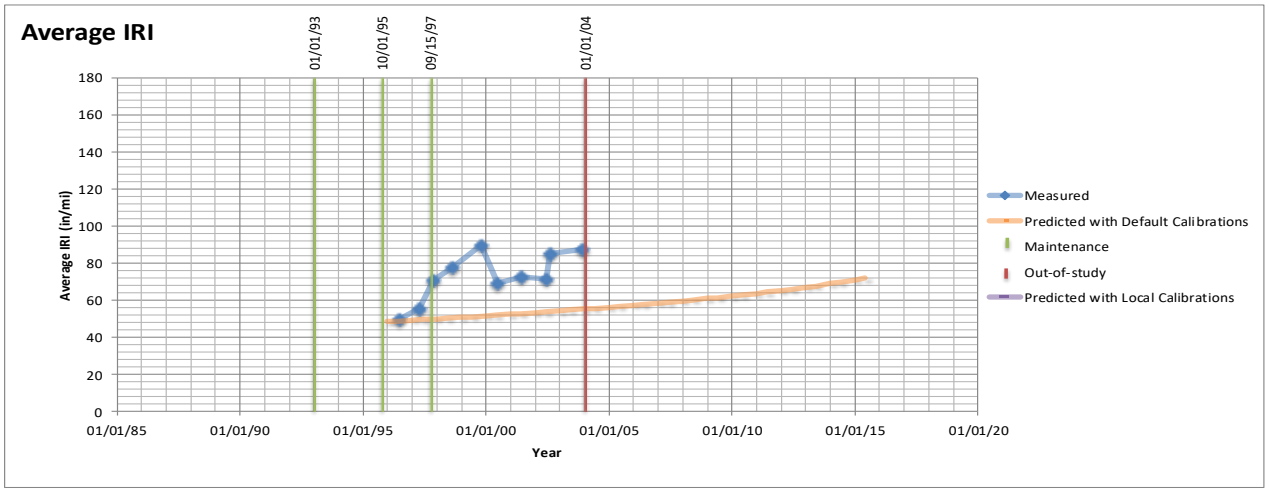


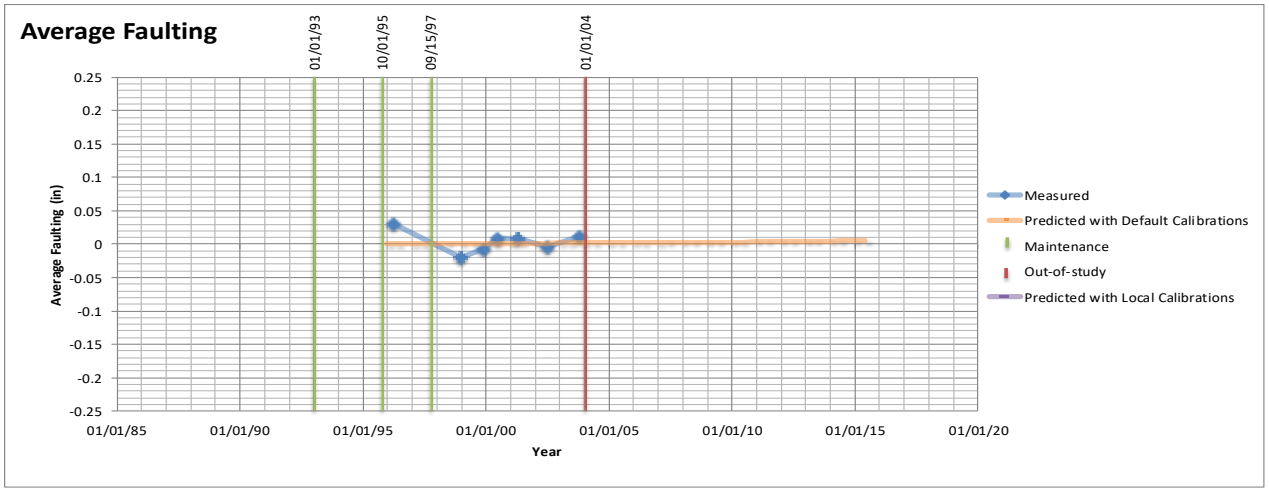


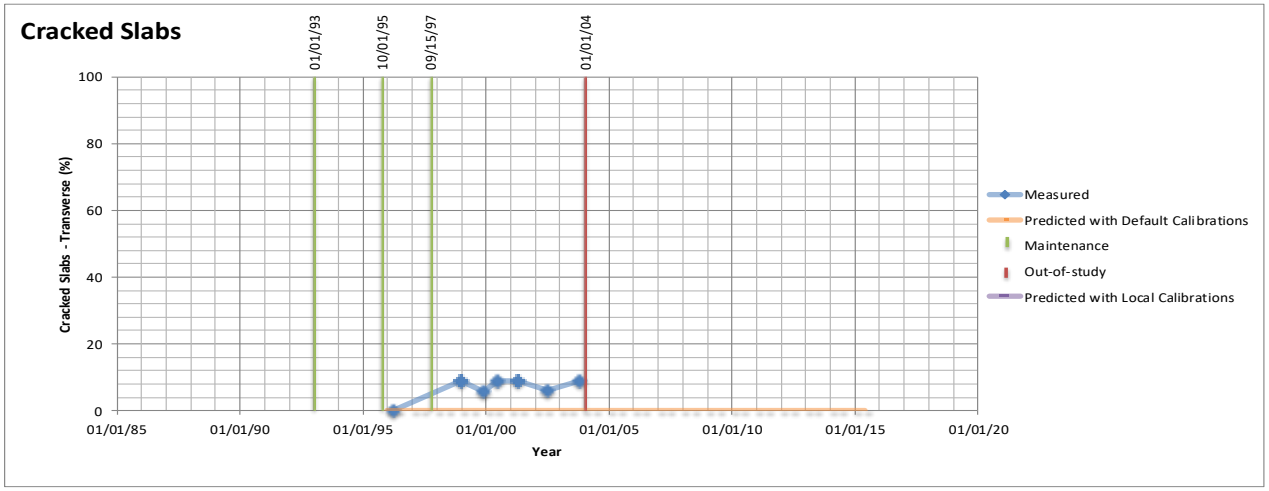


Date	Event
1-Jan-1993	In-study
15-Sep-1997	Crack Sealing
1-Jan-2004	Out-of-study

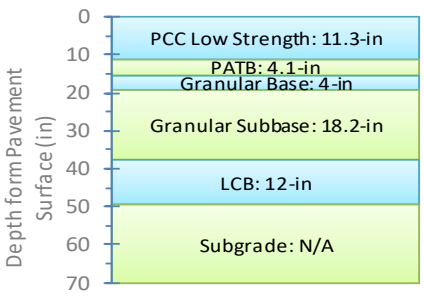


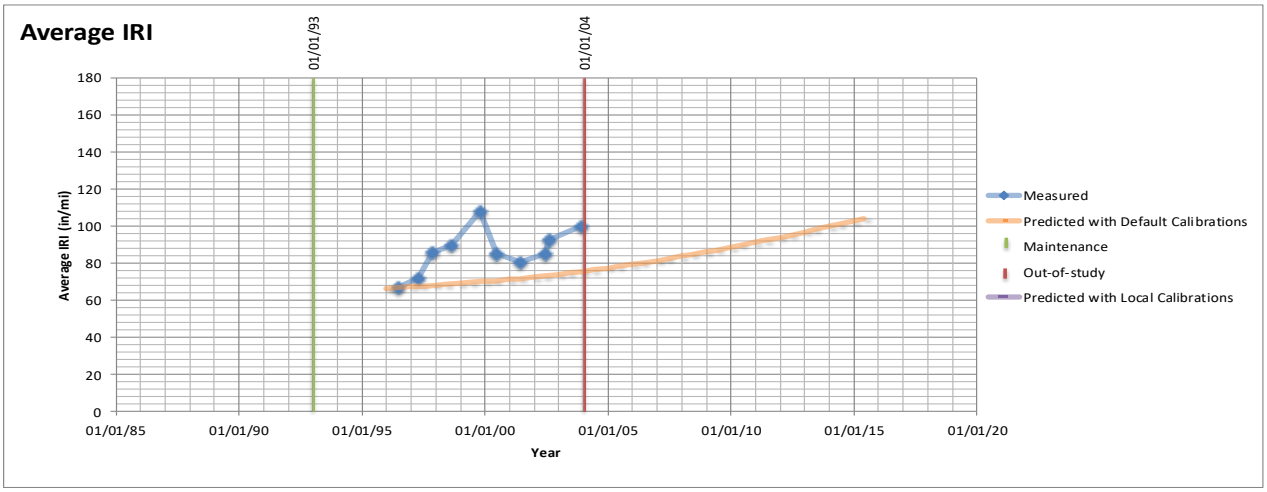


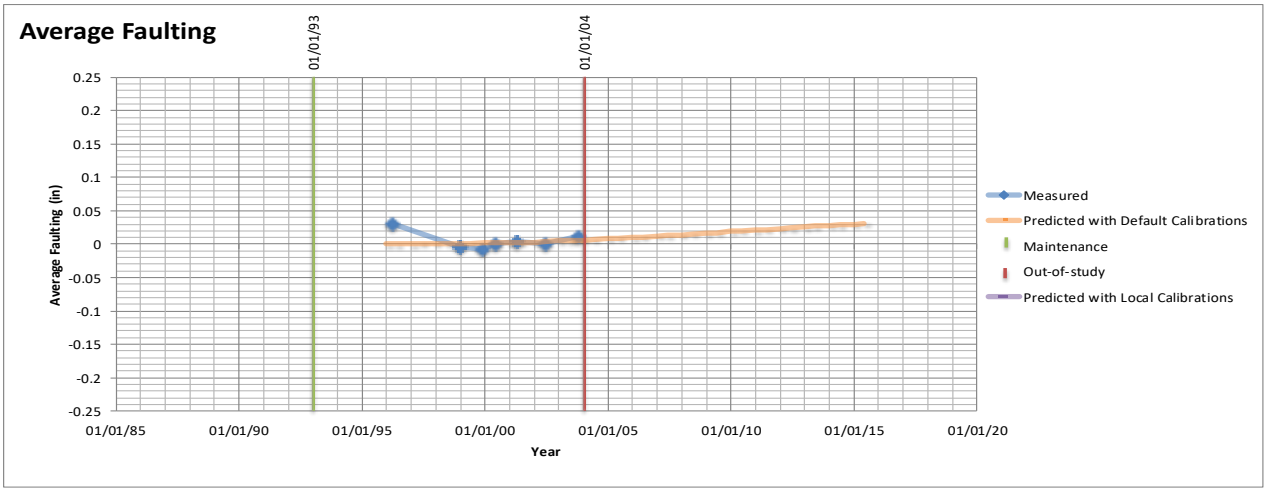


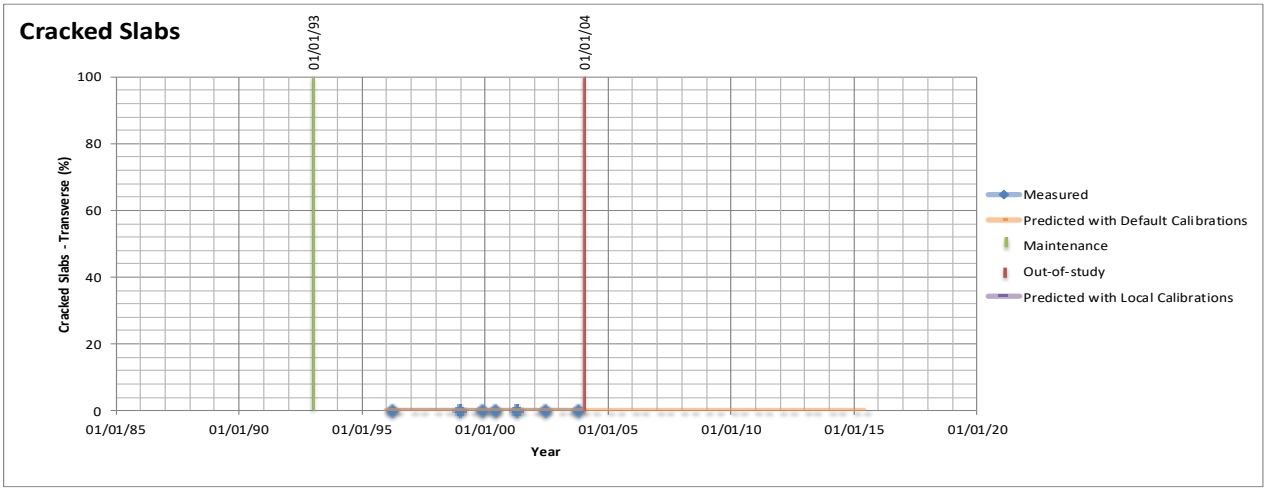


Date	Event
1-Jan-1993	In-study
1-Oct-1995	Crack Sealing
15-Sep-1997	Crack Sealing
1-Jan-2004	Out-of-study

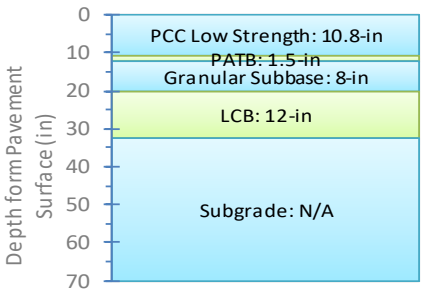


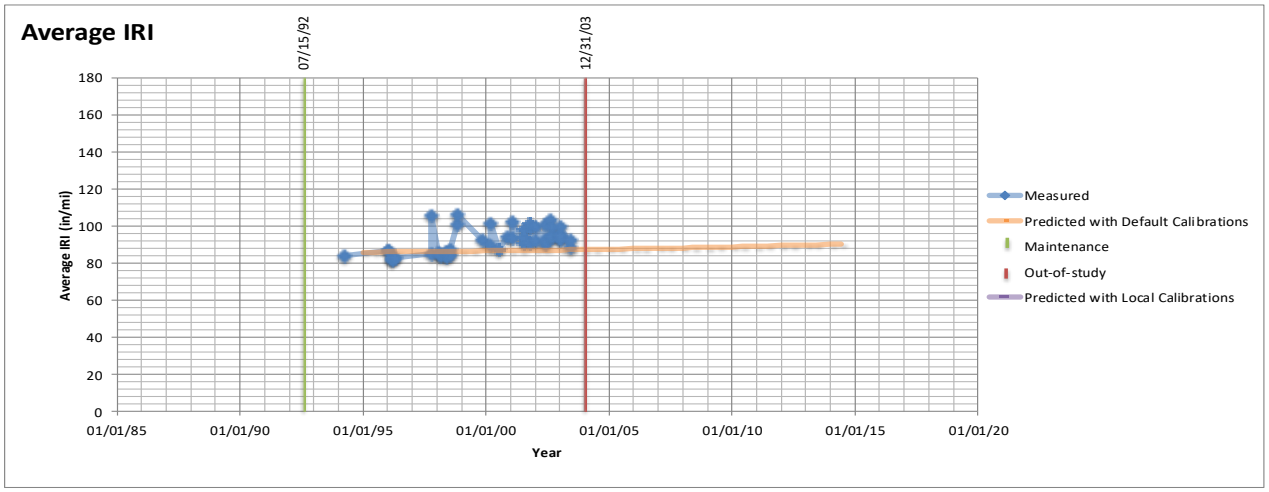


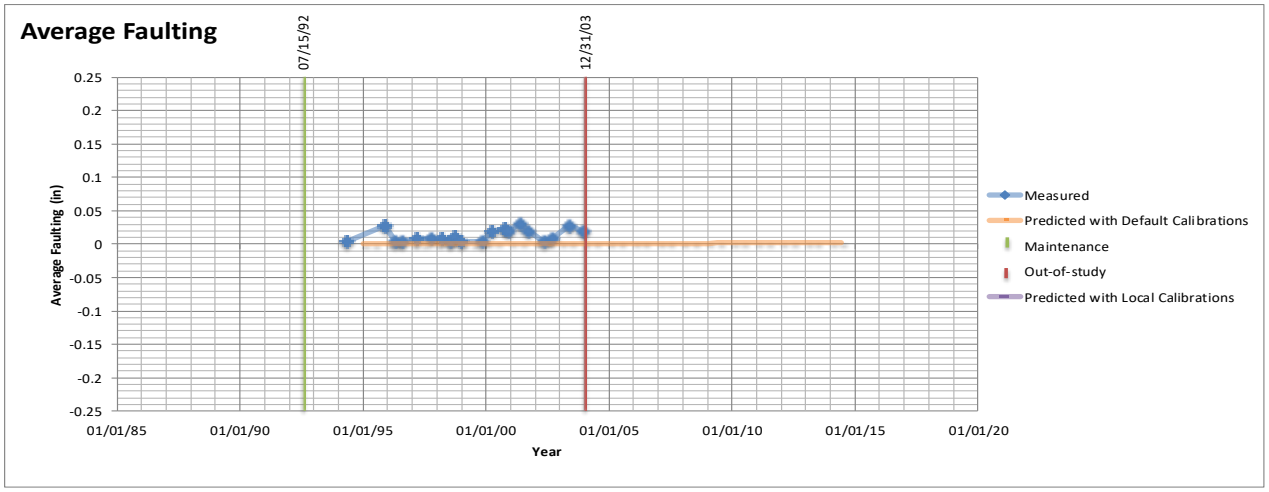


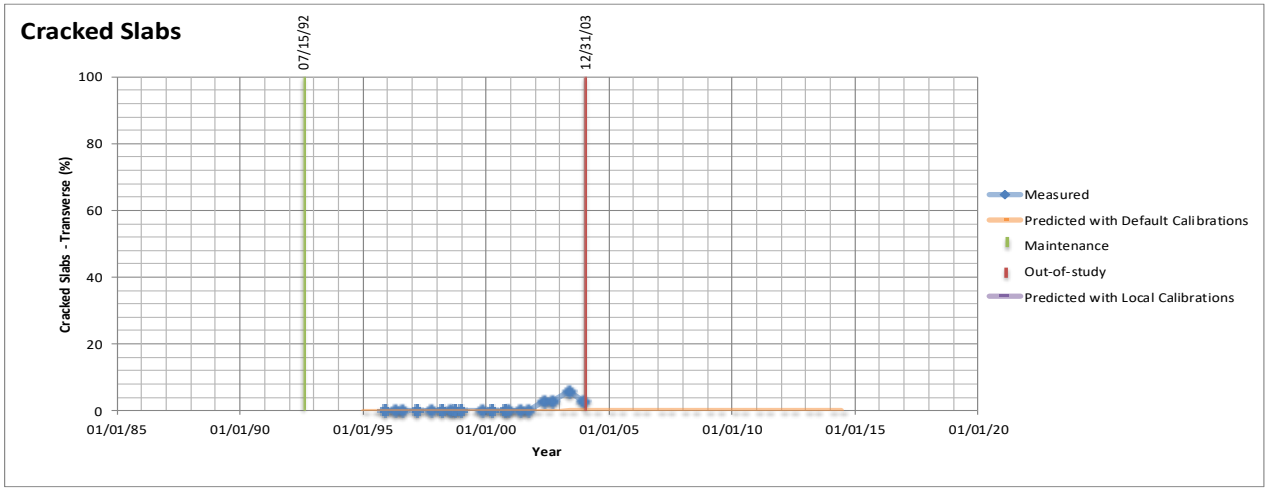


Date	Event
1-Jan-1993	In-study
1-Jan-2004	Out-of-study

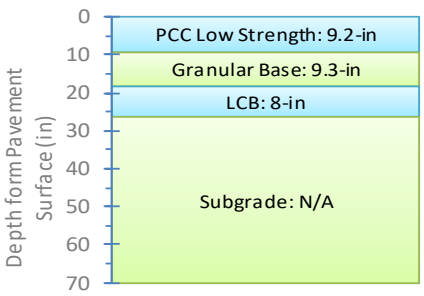


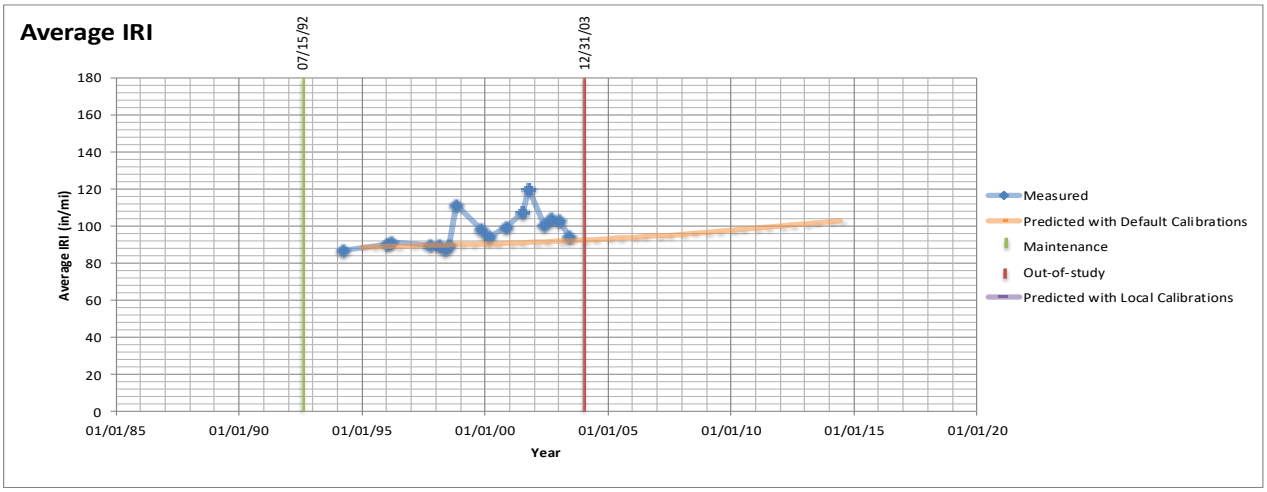


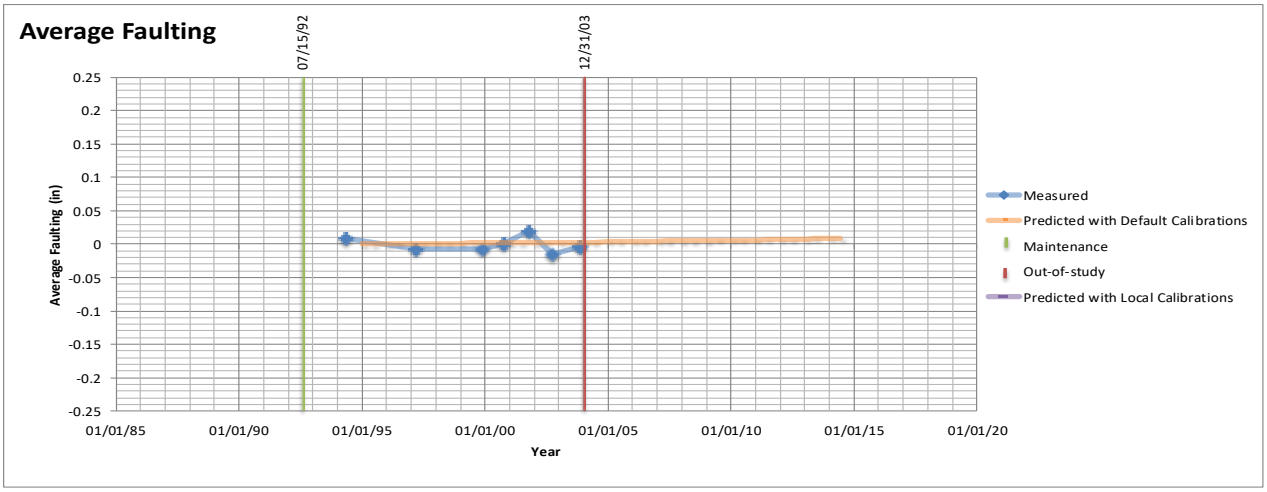


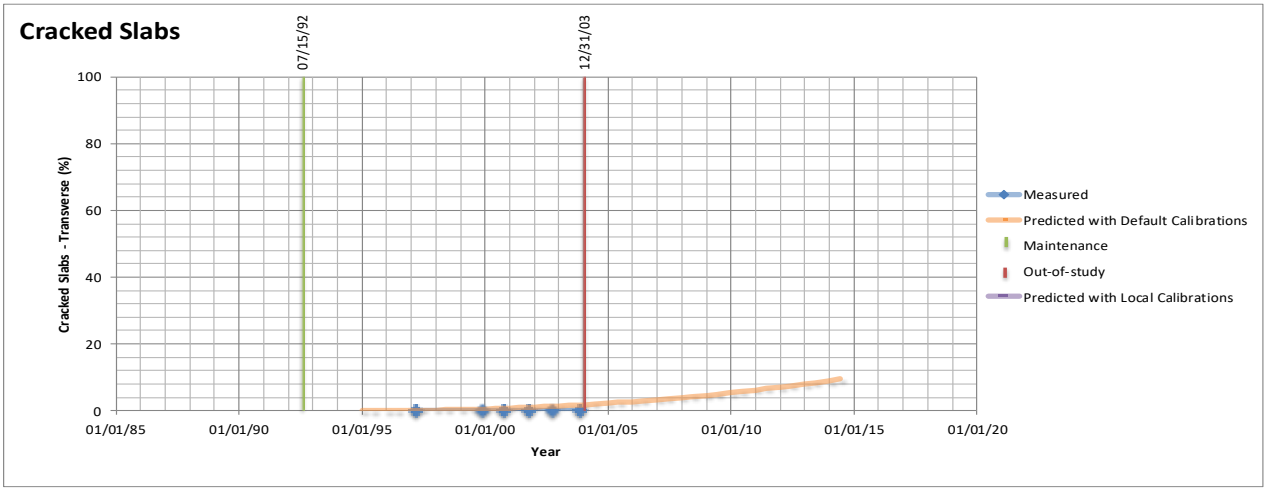


Date	Event
15-Jul-1992	In-study
31-Dec-2003	Out-of-study

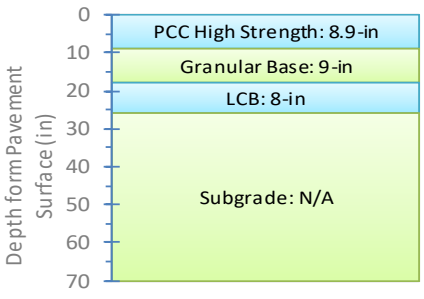


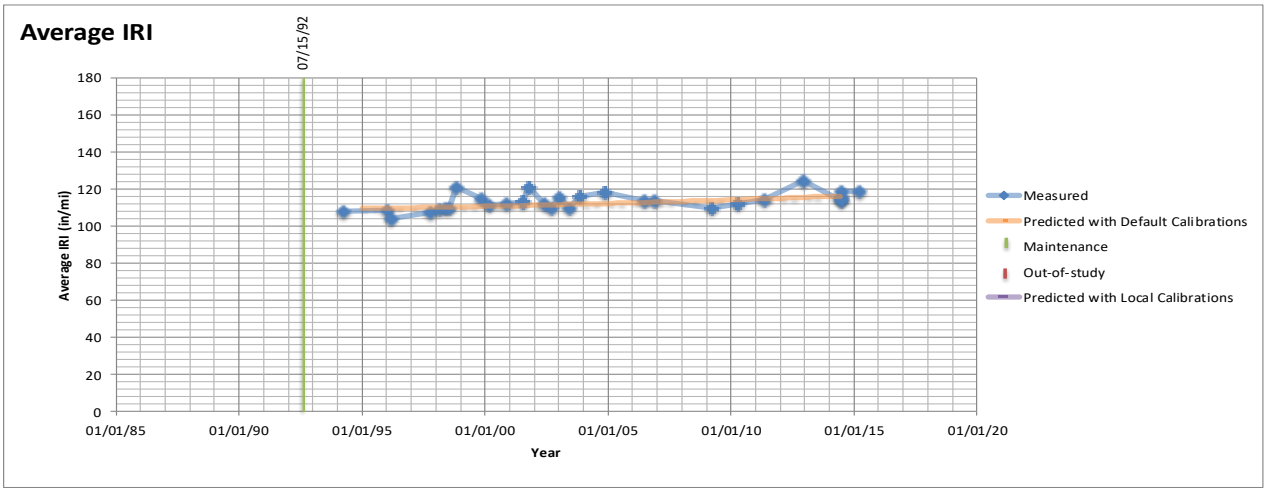


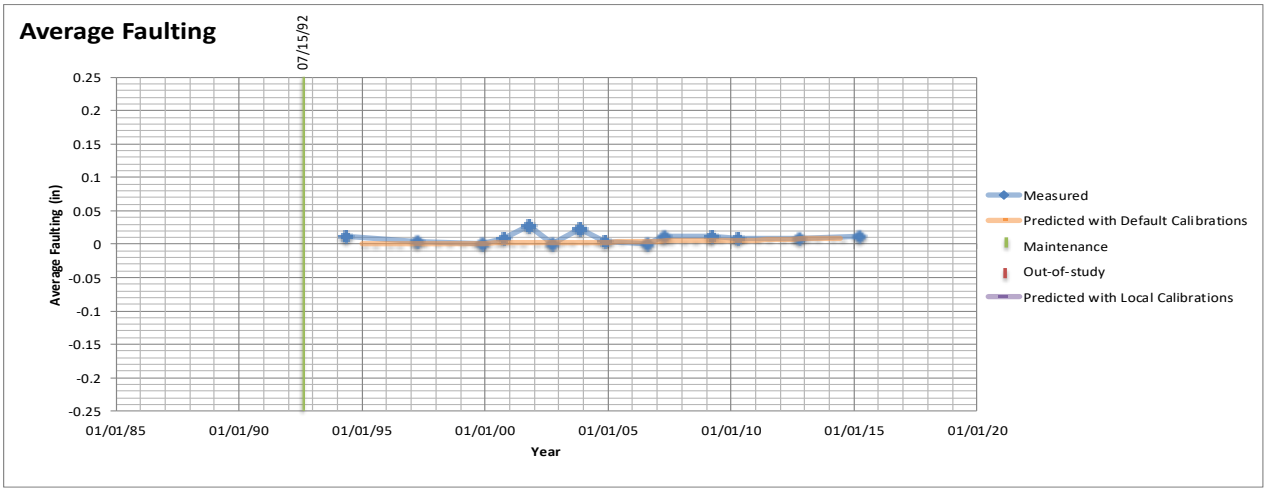


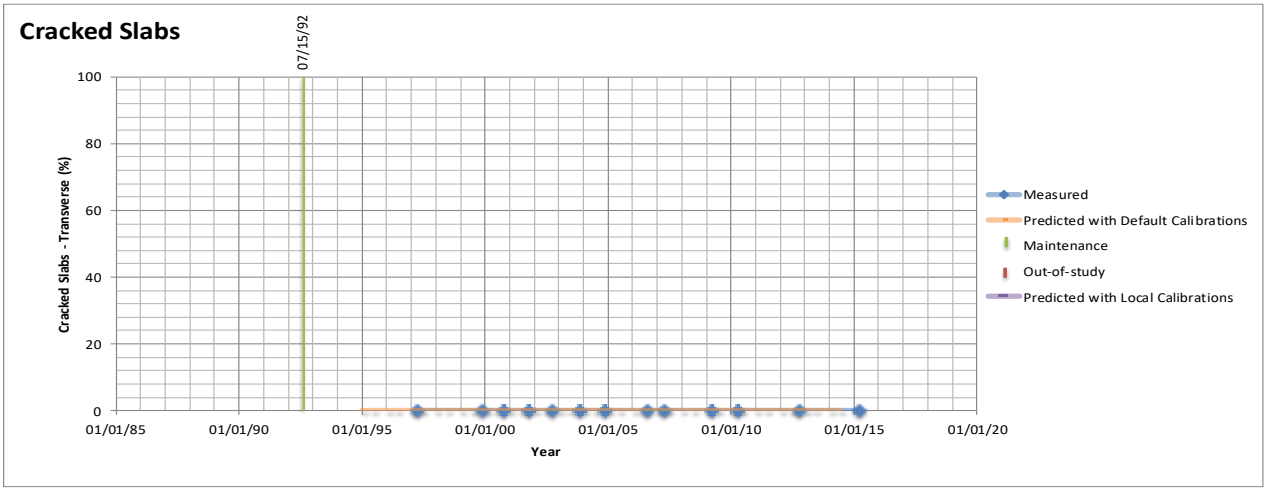


Date	Event
15-Jul-1992	In-study
31-Dec-2003	Out-of-study

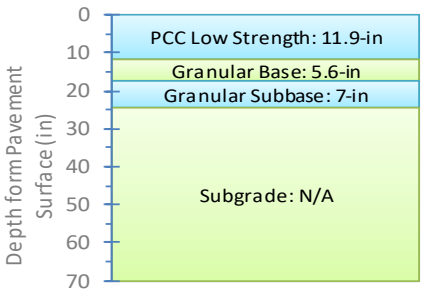


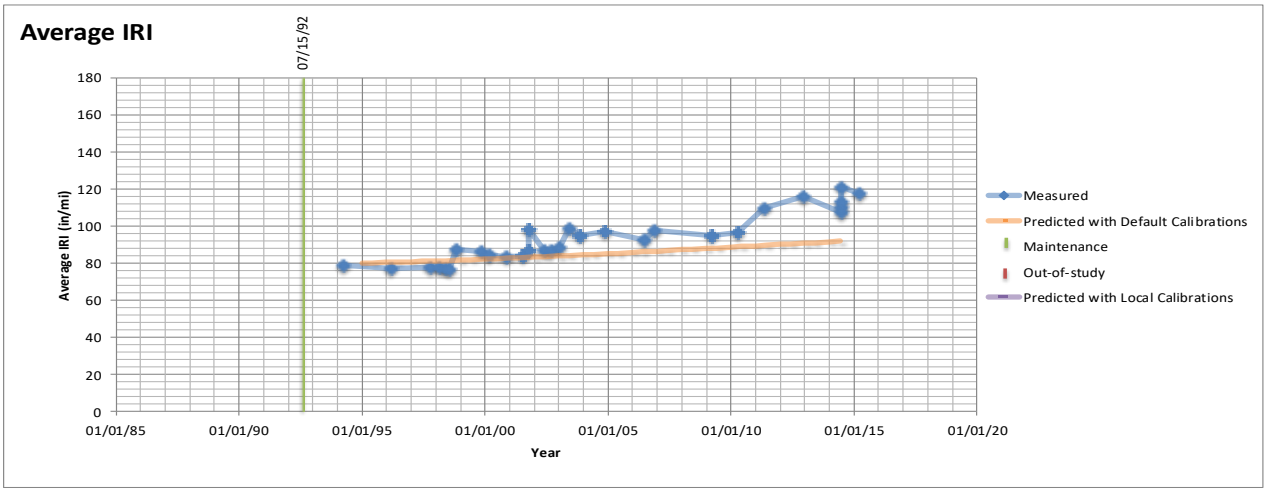


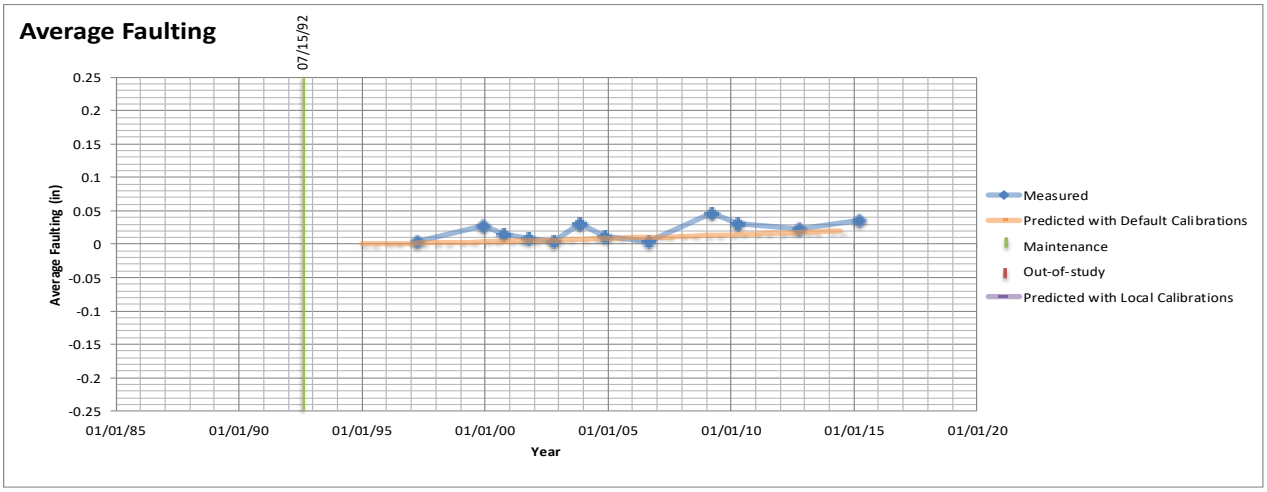


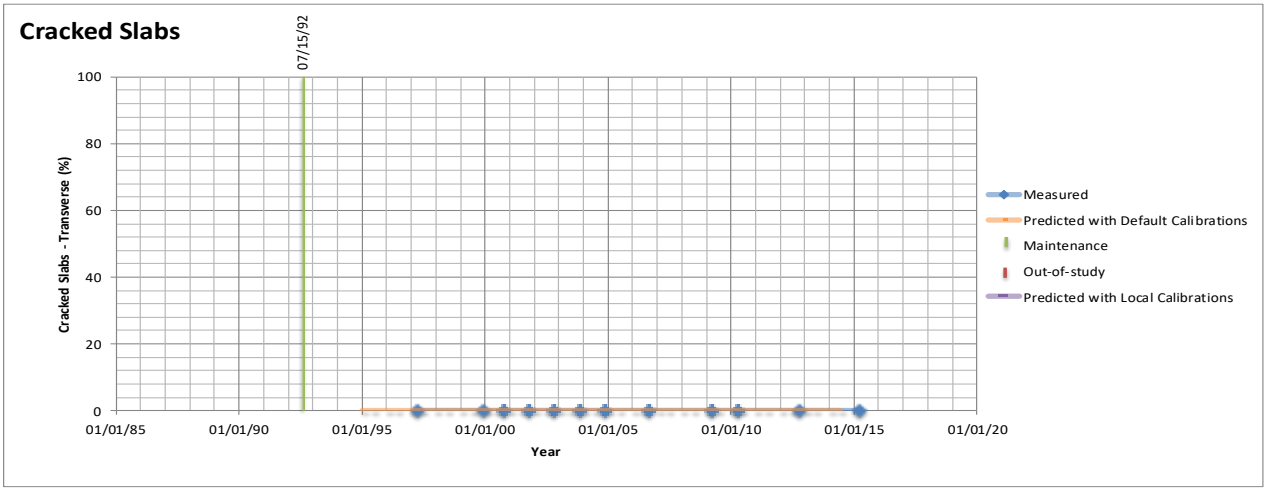


Date	Event
15-Jul-1992	In-study

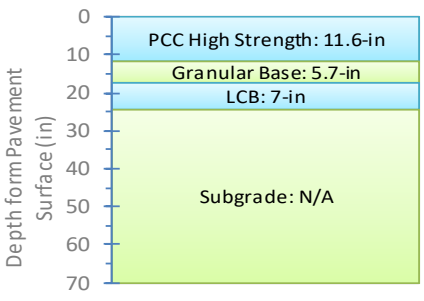


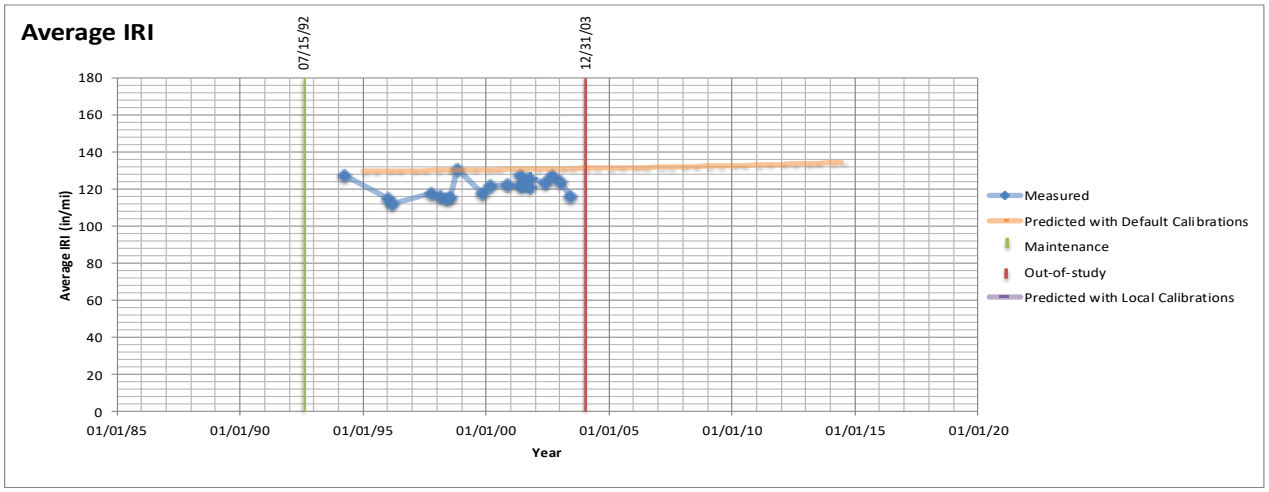


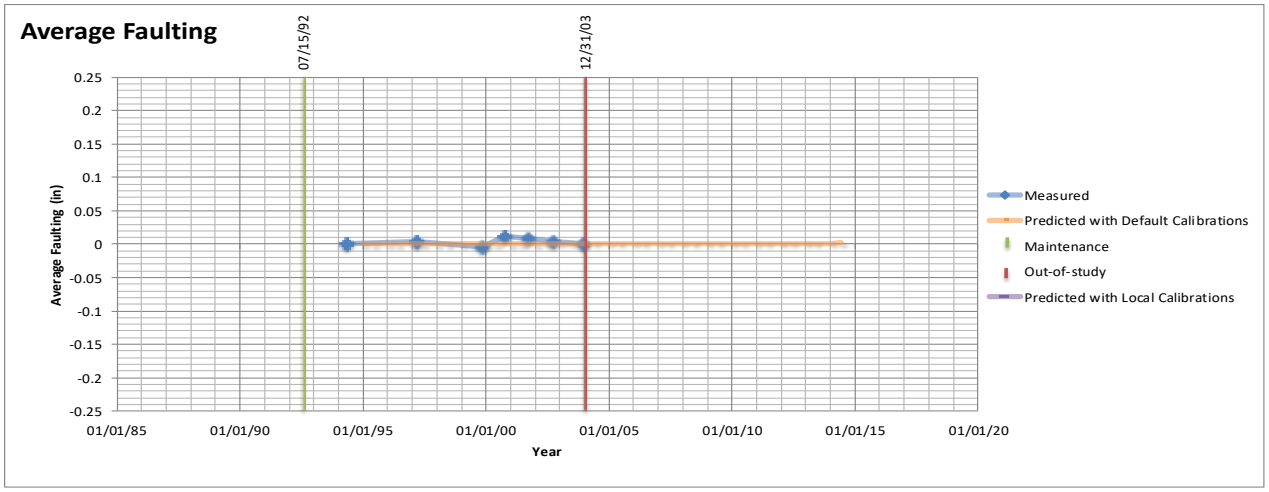


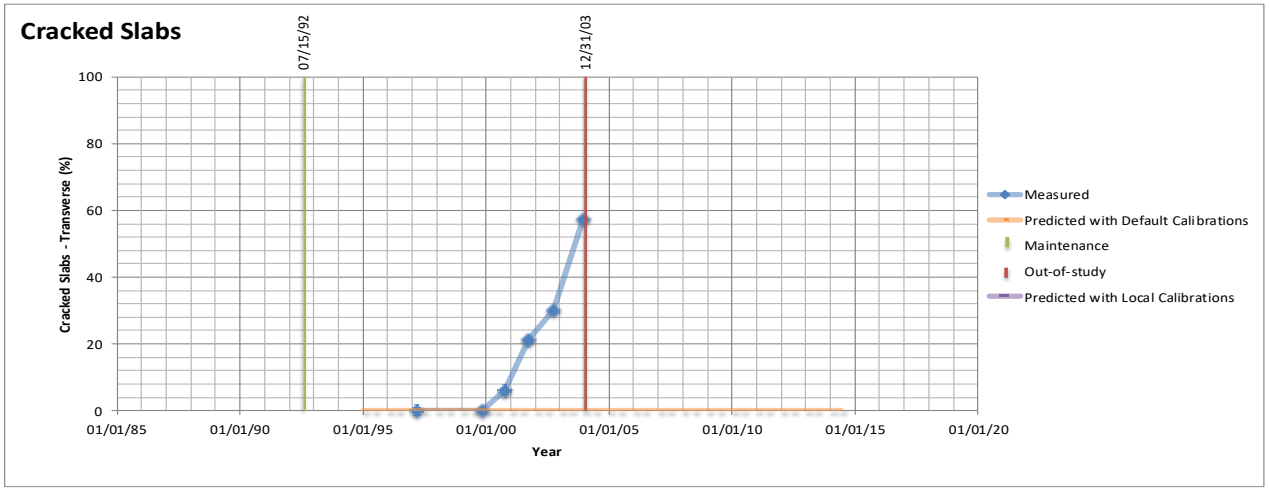


Date	Event
15-Jul-1992	In-study

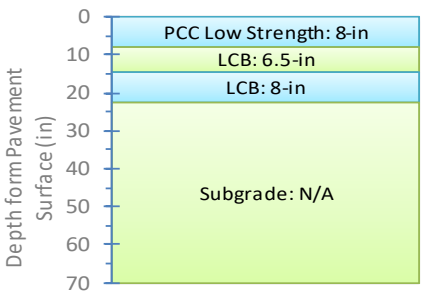


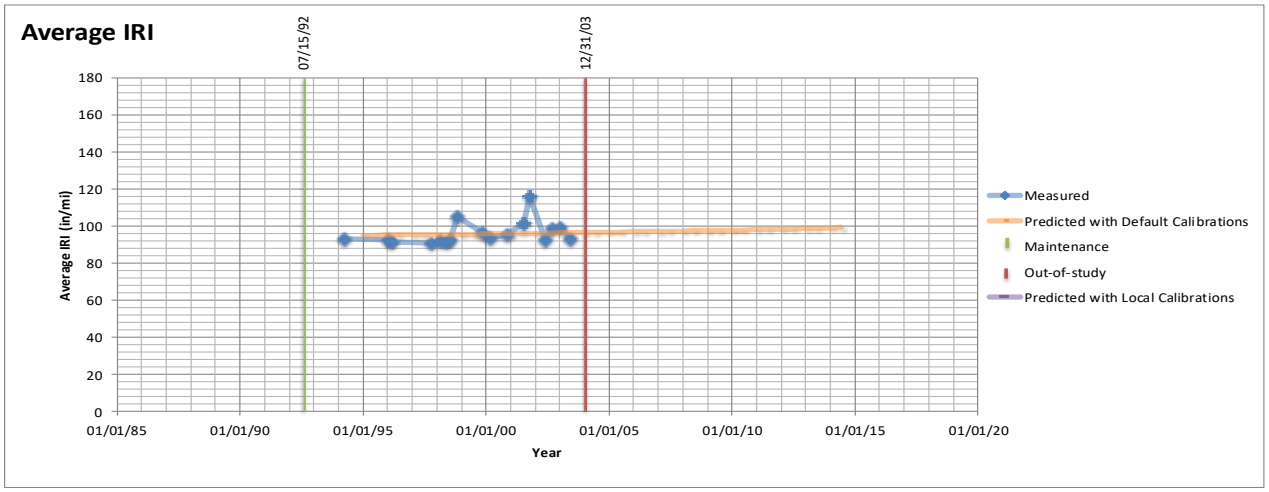


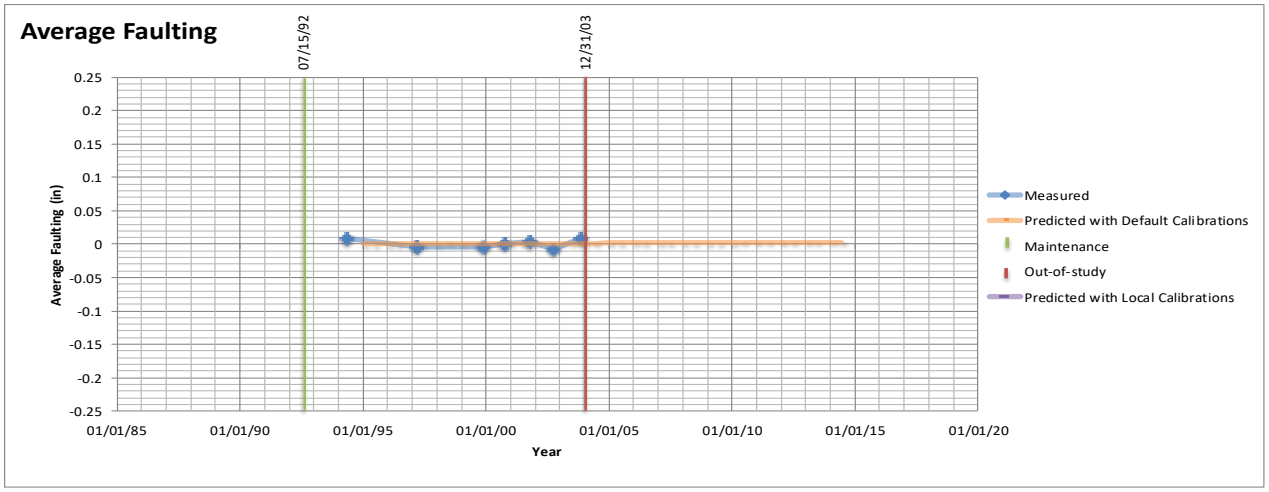


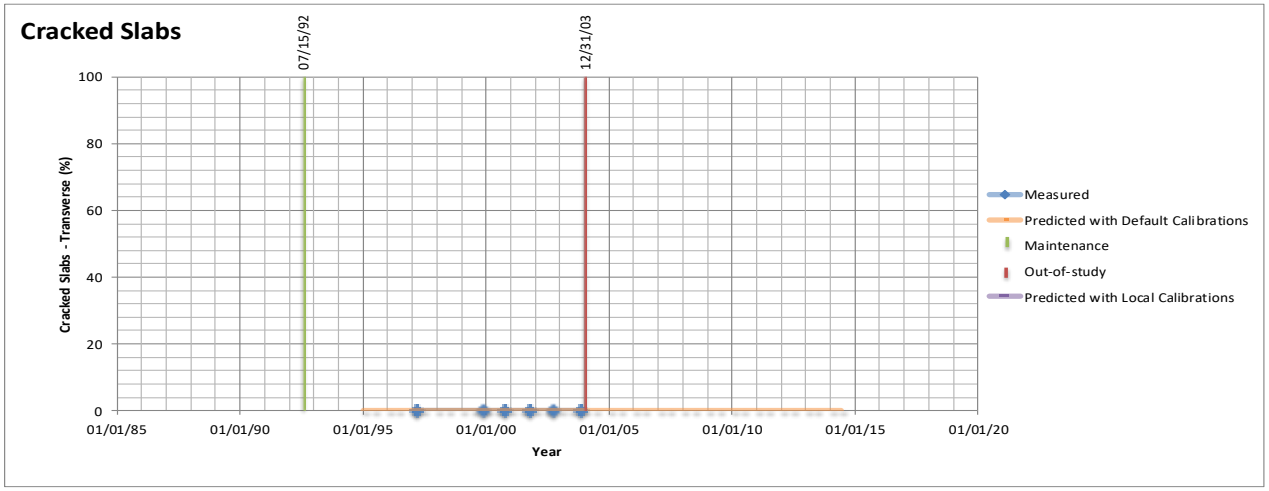


Date	Event
15-Jul-1992	In-study
31-Dec-2003	Out-of-study

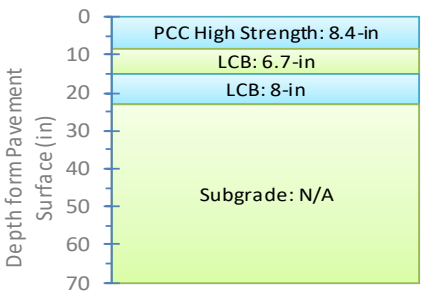




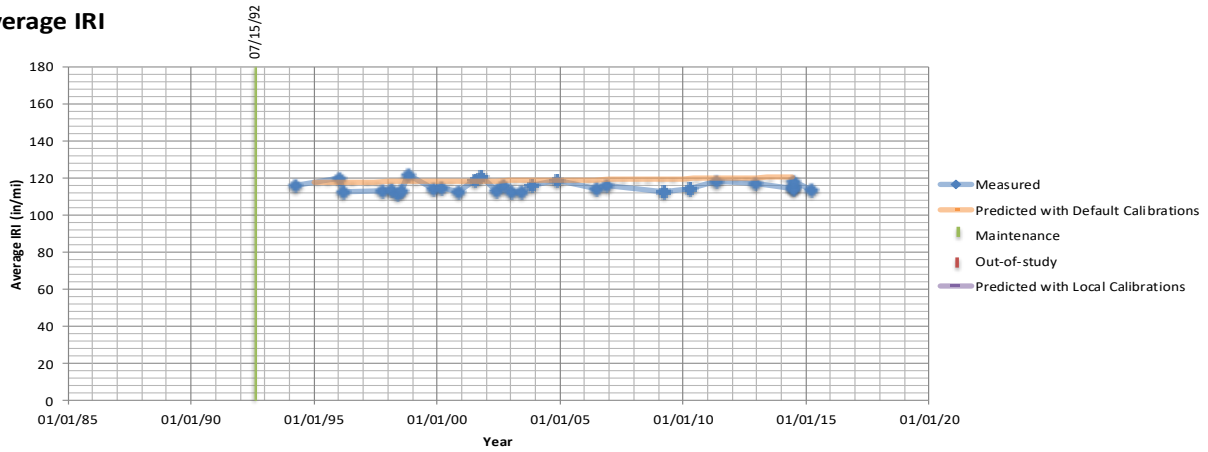




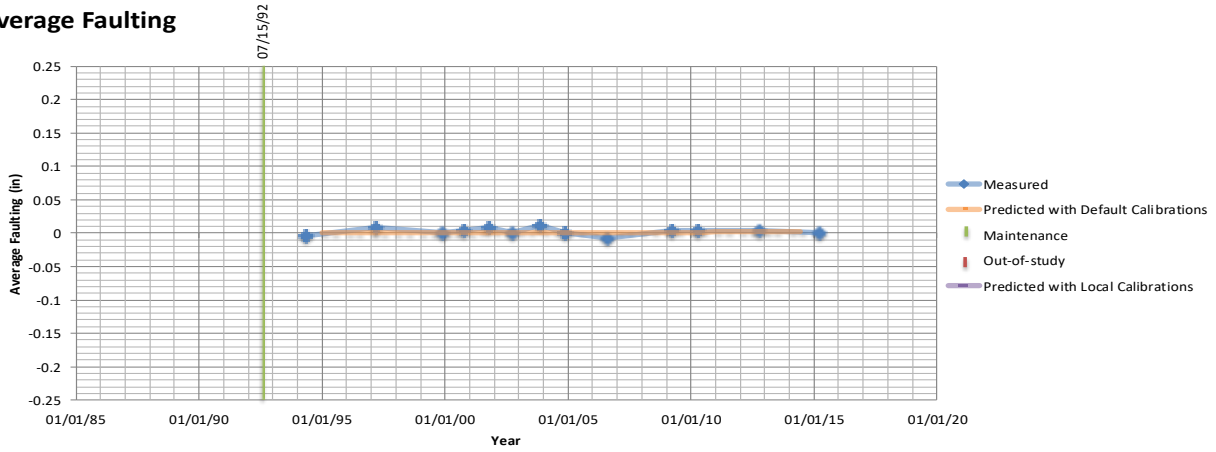
Date	Event
15-Jul-1992	In-study
31-Dec-2003	Out-of-study



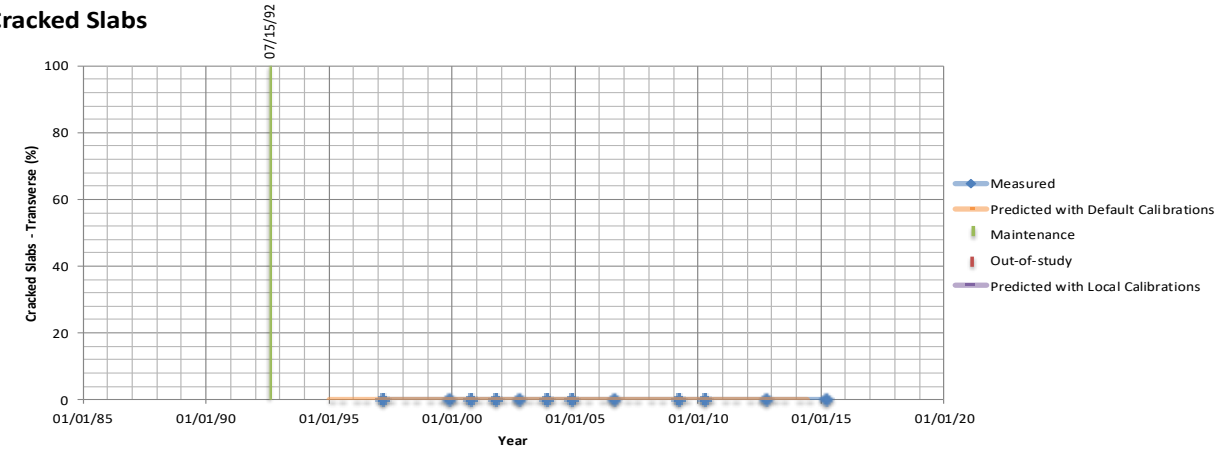
Average IRI



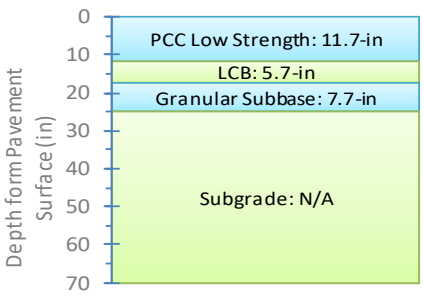
Average Faulting

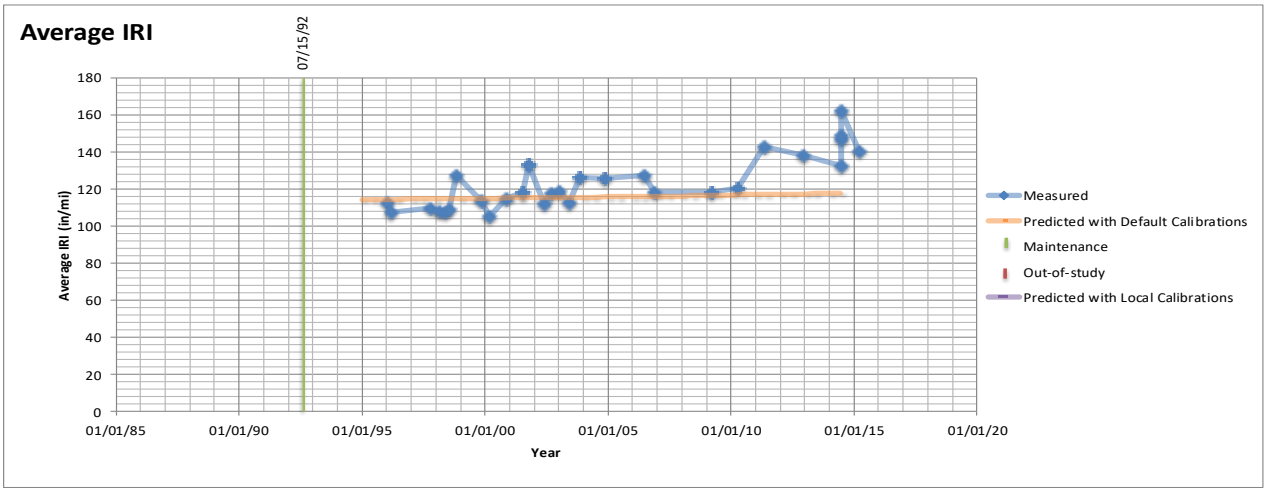


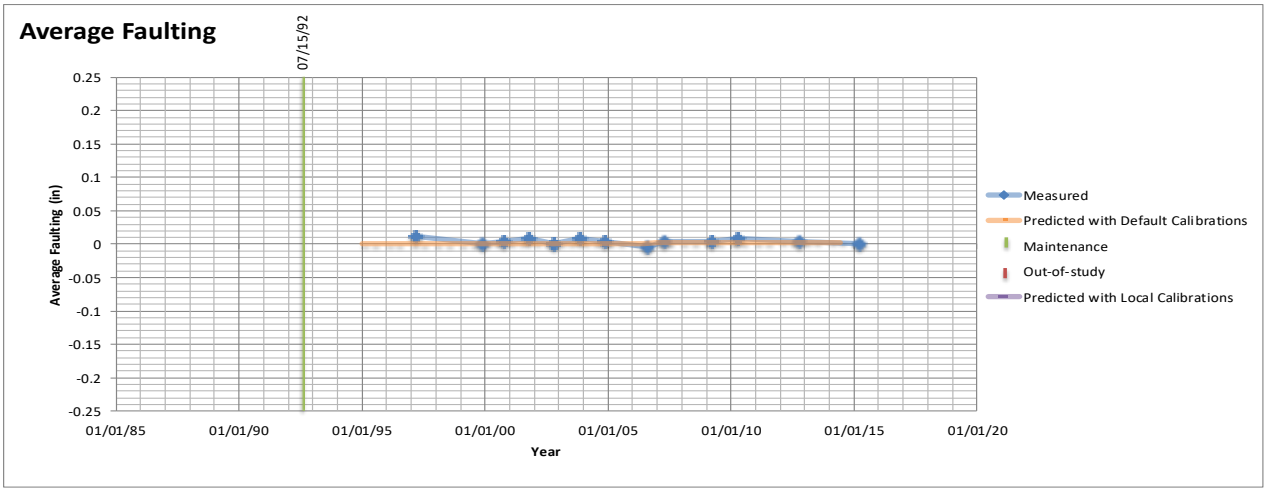
Cracked Slabs

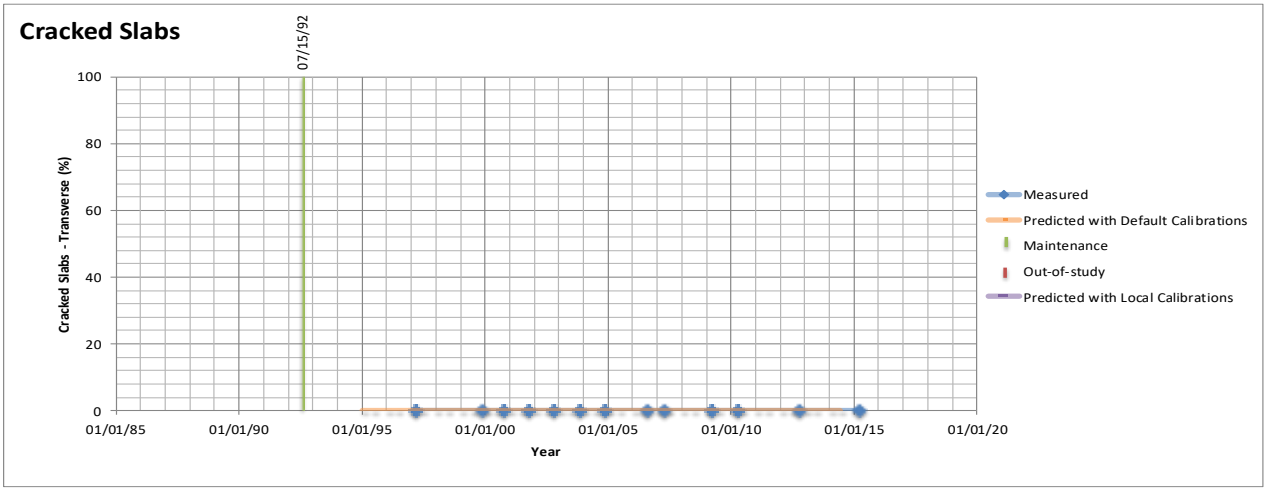


Date	Event
15-Jul-1992	In-study

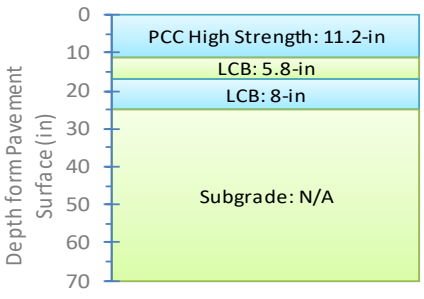


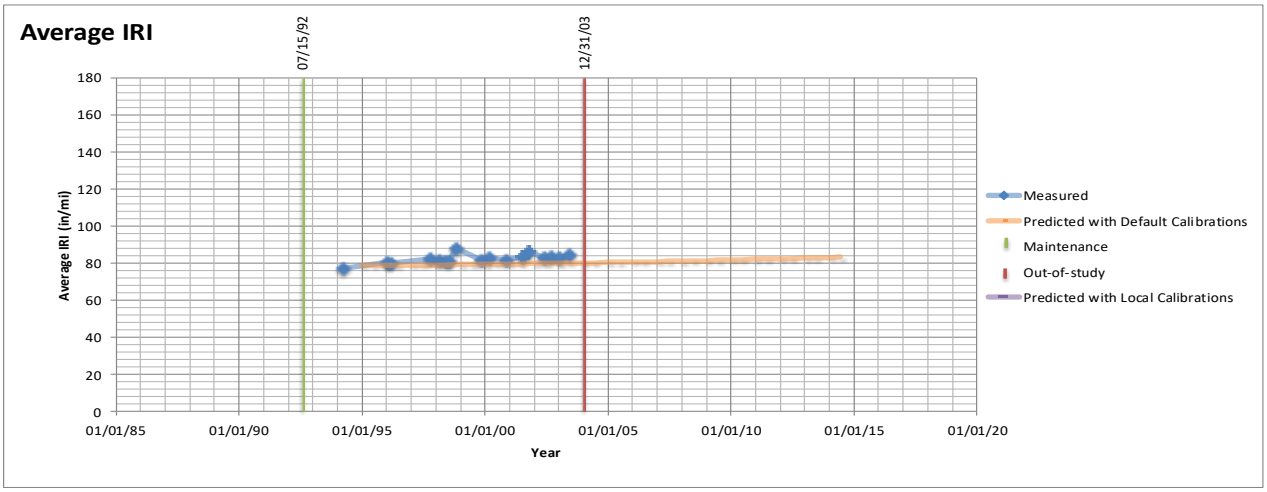


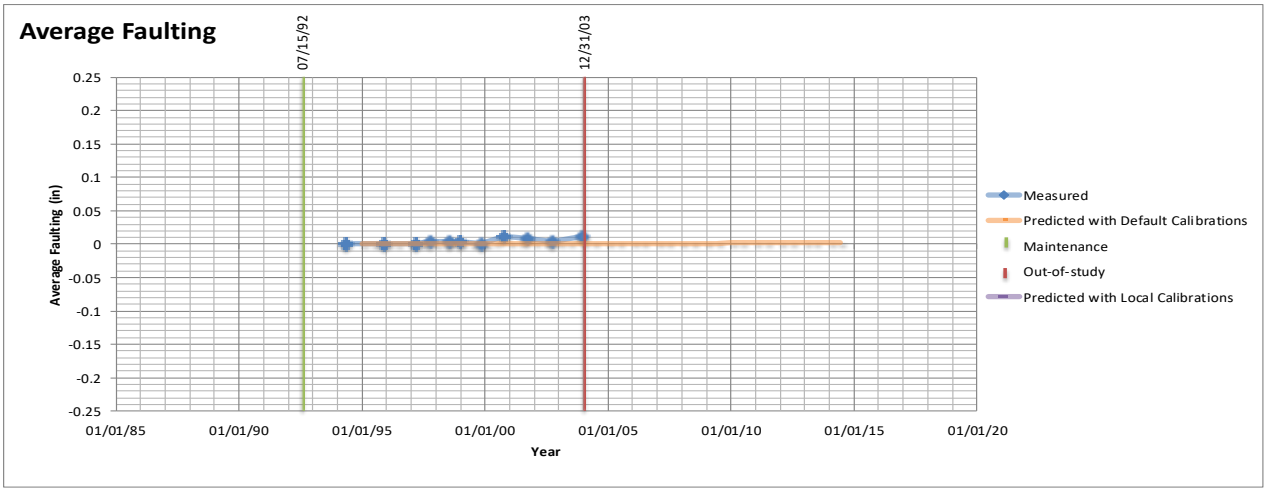


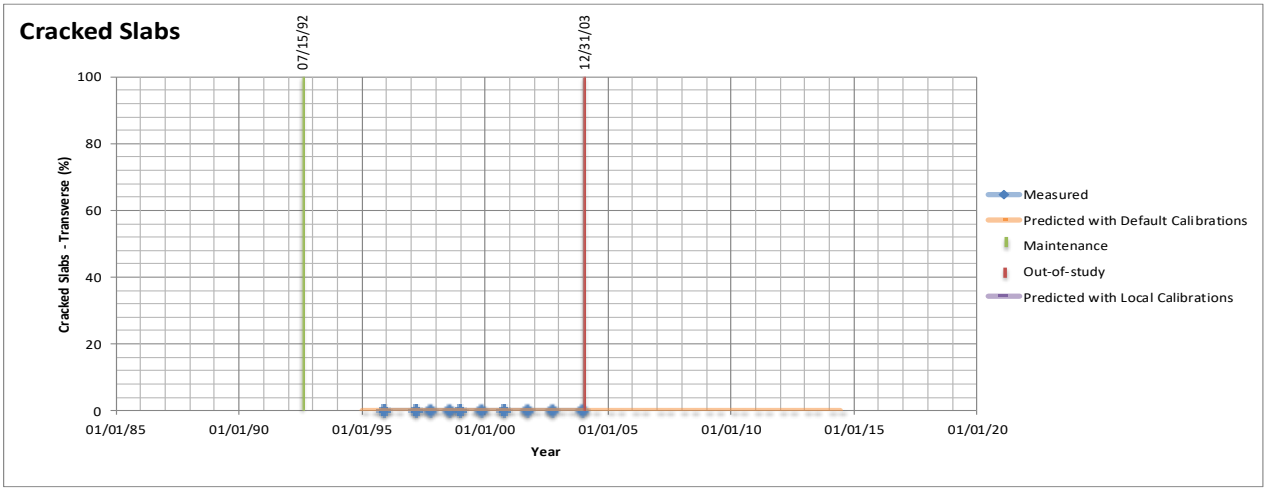


Date	Event
15-Jul-1992	In-study

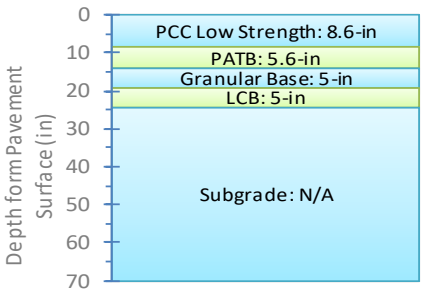


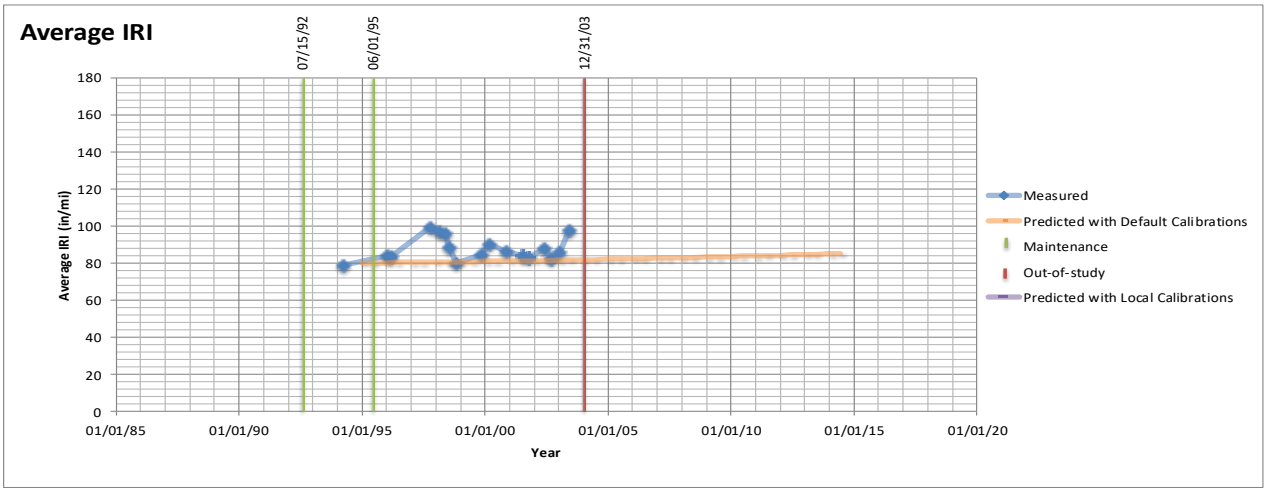


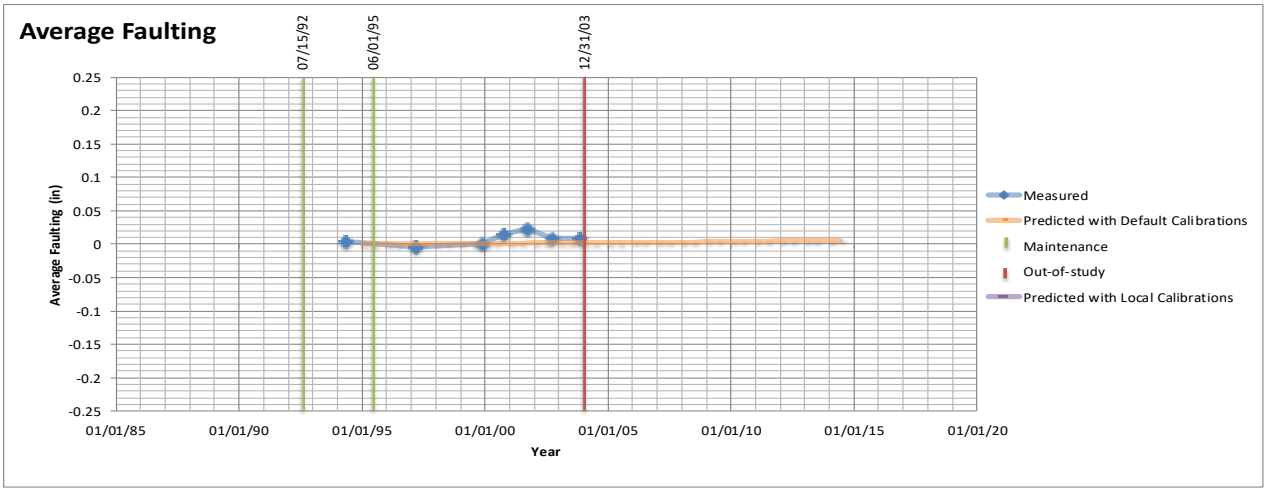


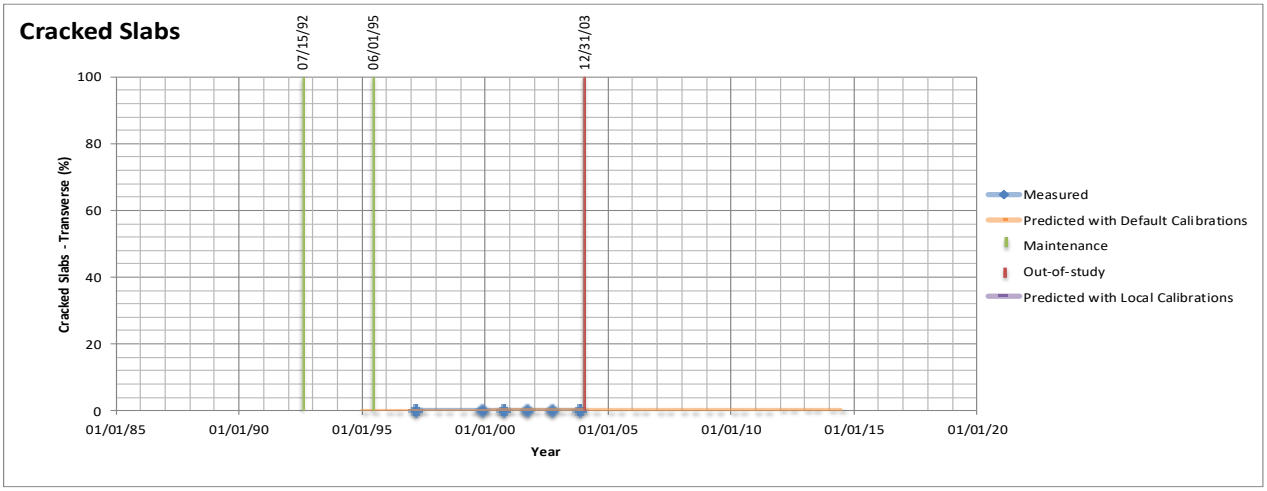


Date	Event
15-Jul-1992	In-study
31-Dec-2003	Out-of-study

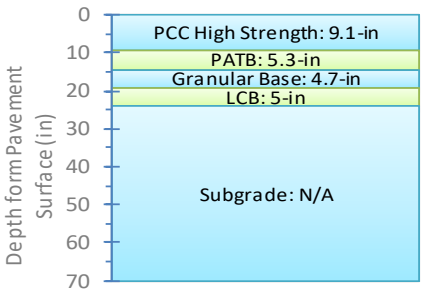




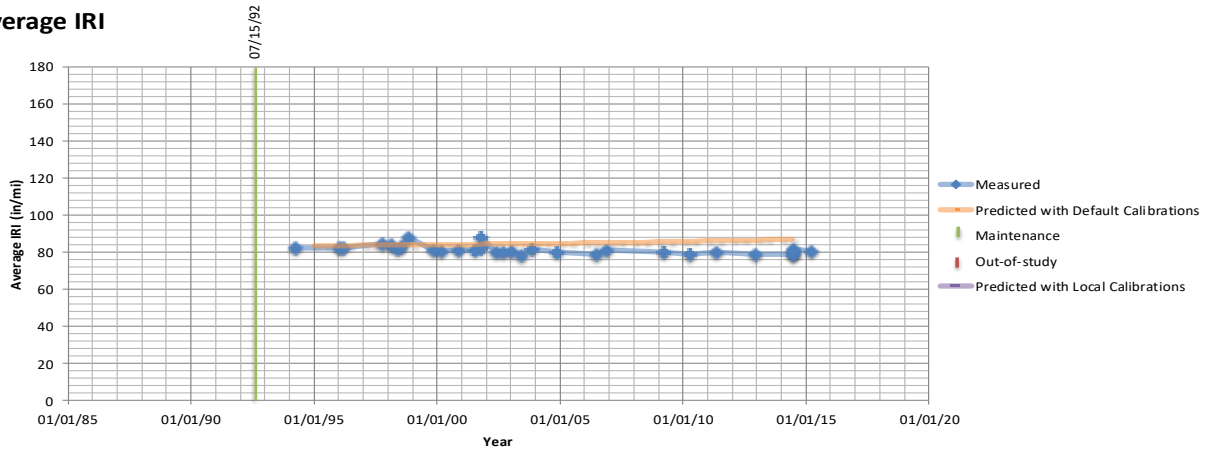




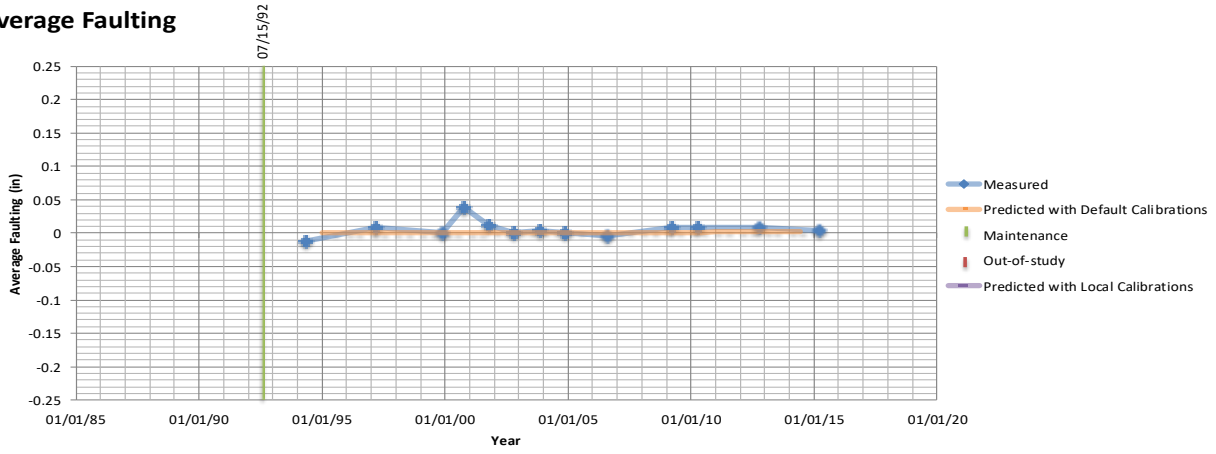
Date	Event
15-Jul-1992	In-study
1-Jun-1995	Partial depth patching of PCC pavements at joints
31-Dec-2003	Out-of-study



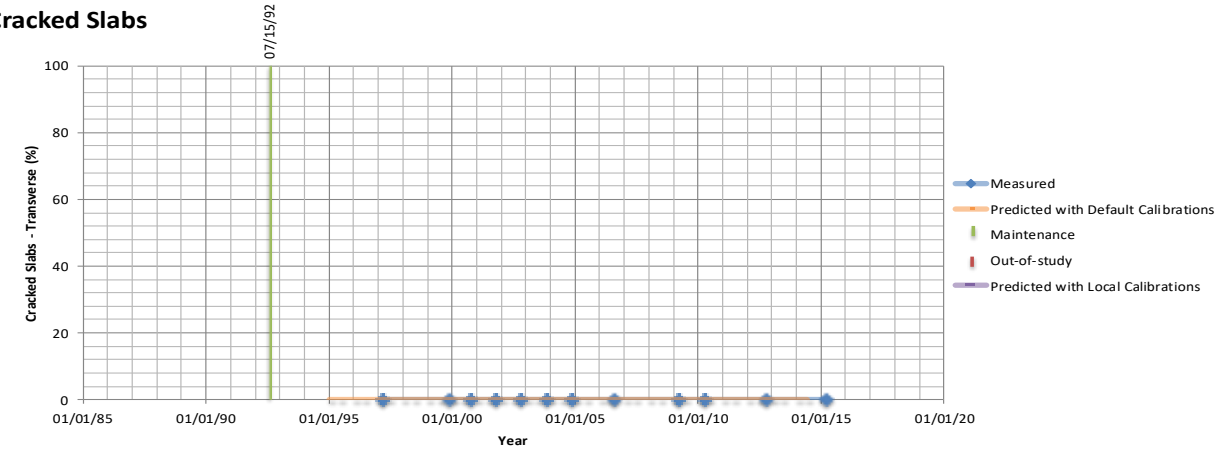
Average IRI



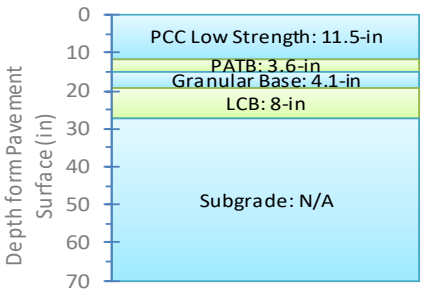
Average Faulting

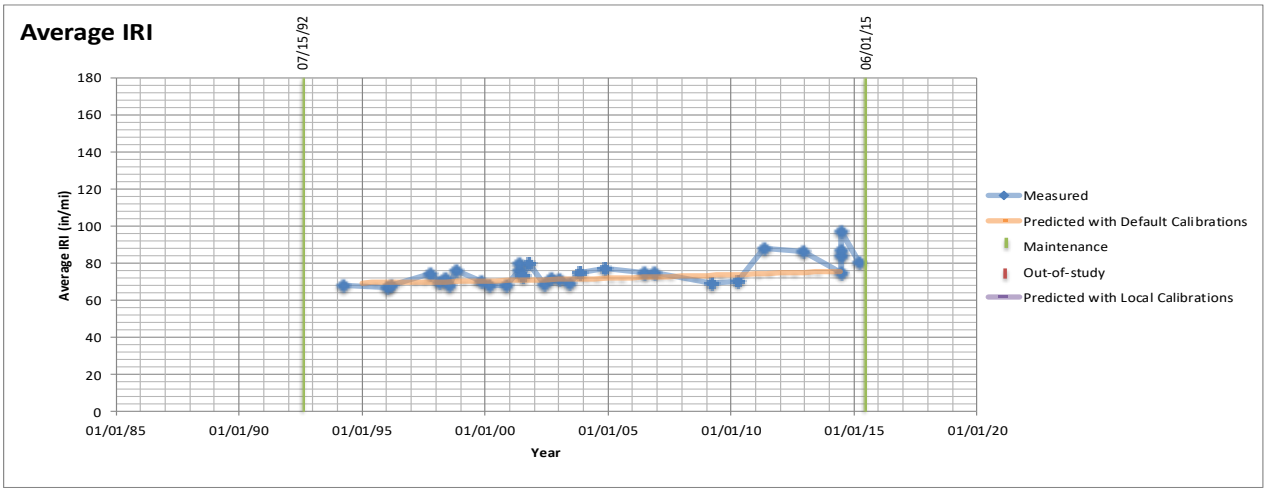


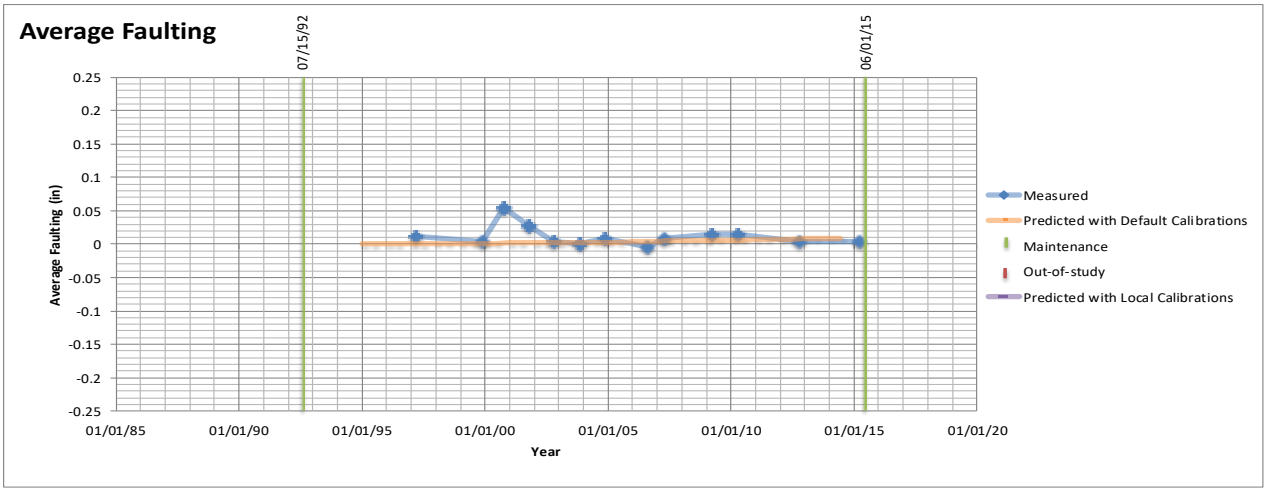
Cracked Slabs

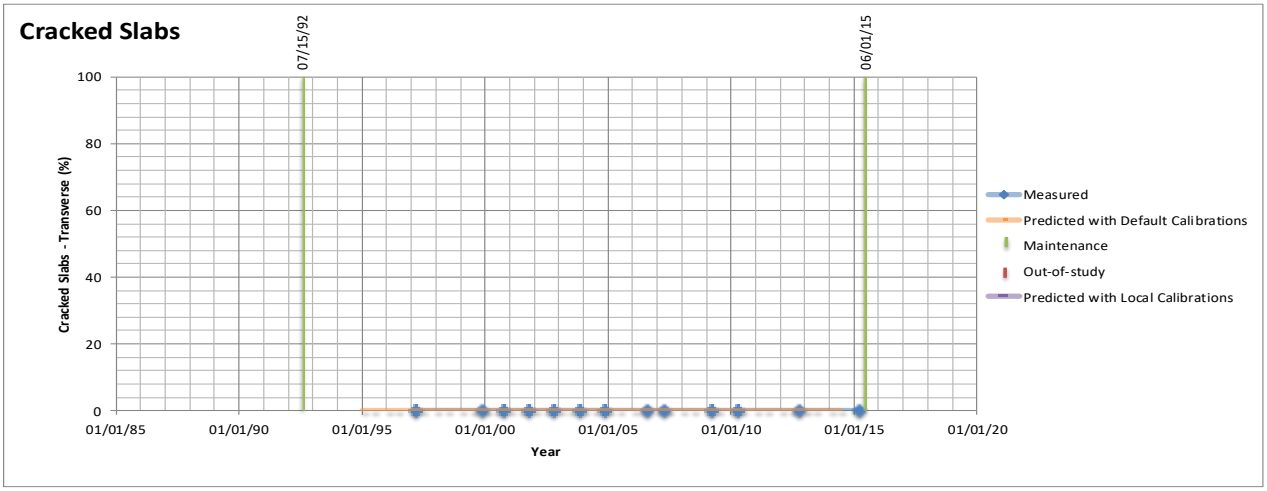


Date	Event
15-Jul-1992	In-study

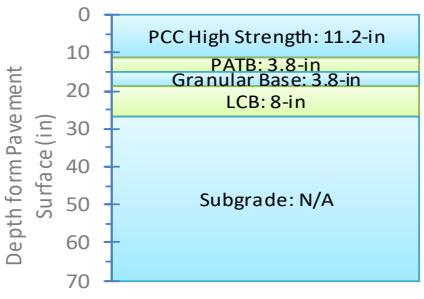


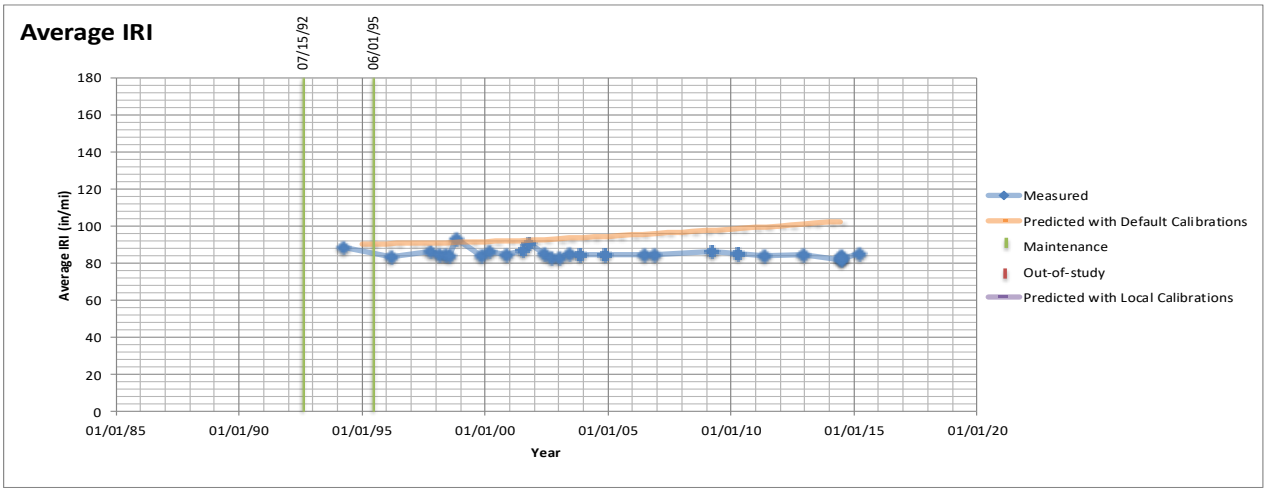


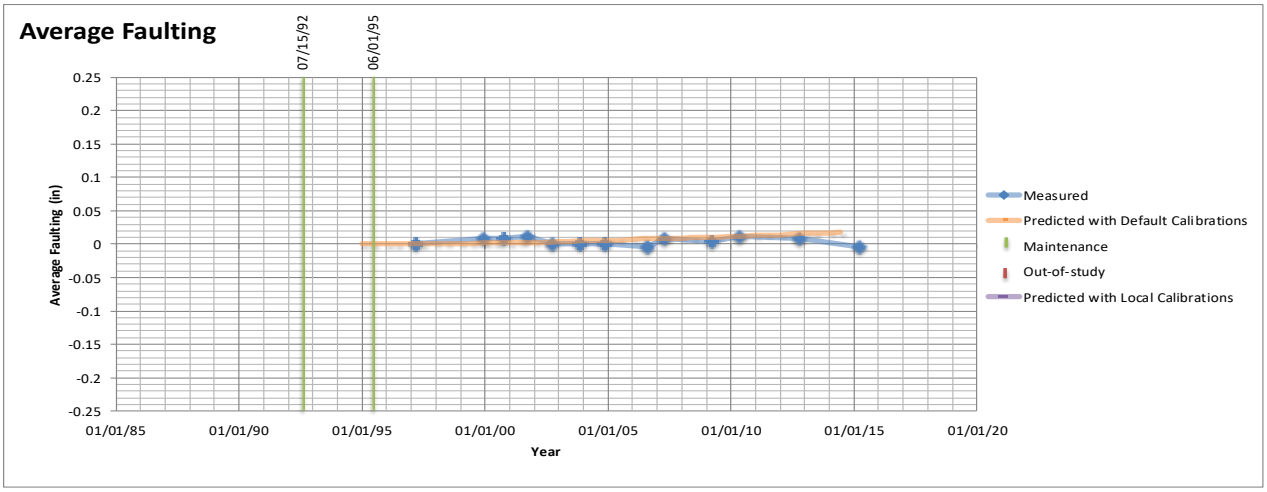


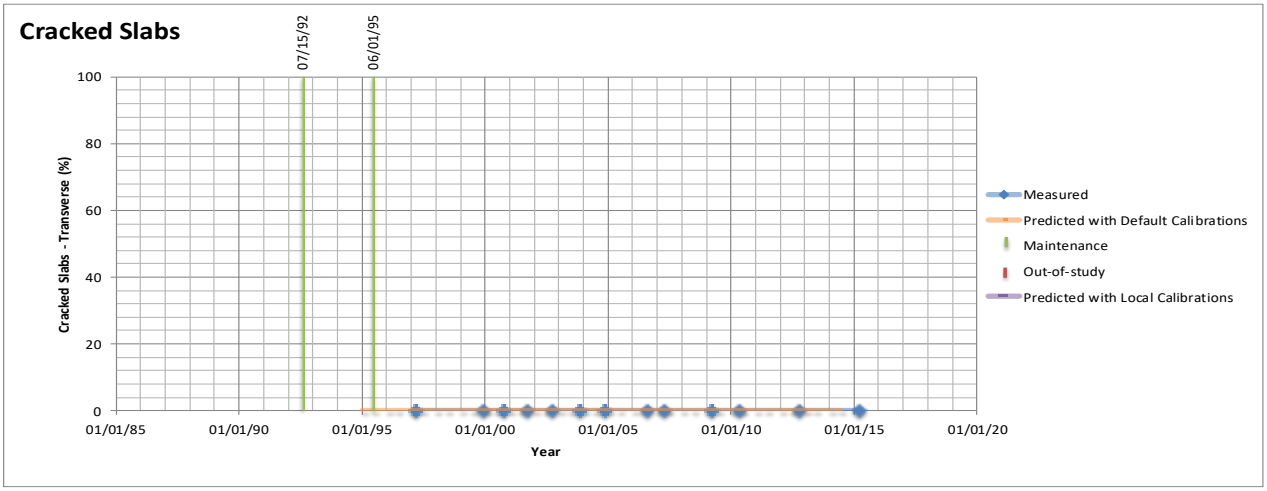


Date	Event
15-Jul-1992	In-study
1-Jun-2015	Patch Pot Holes - Hand Spread, Compacted with Truck

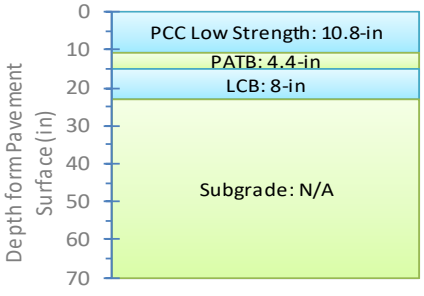


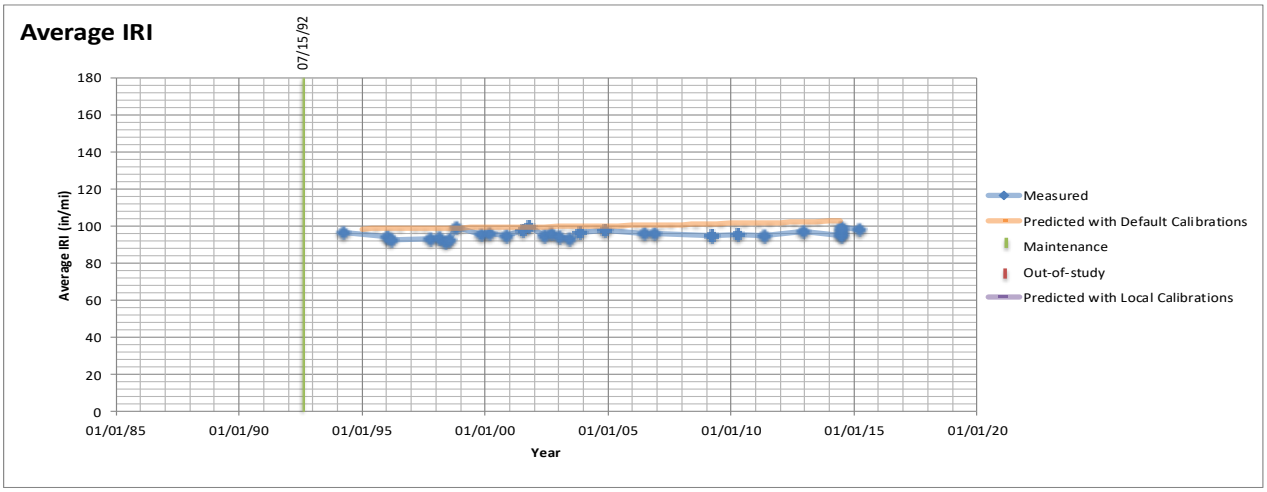


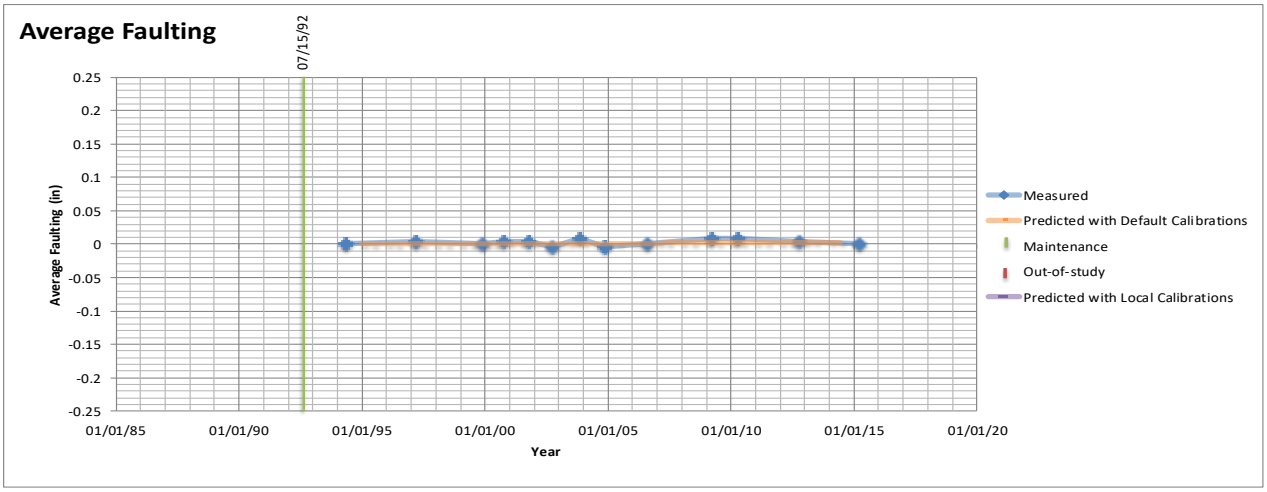


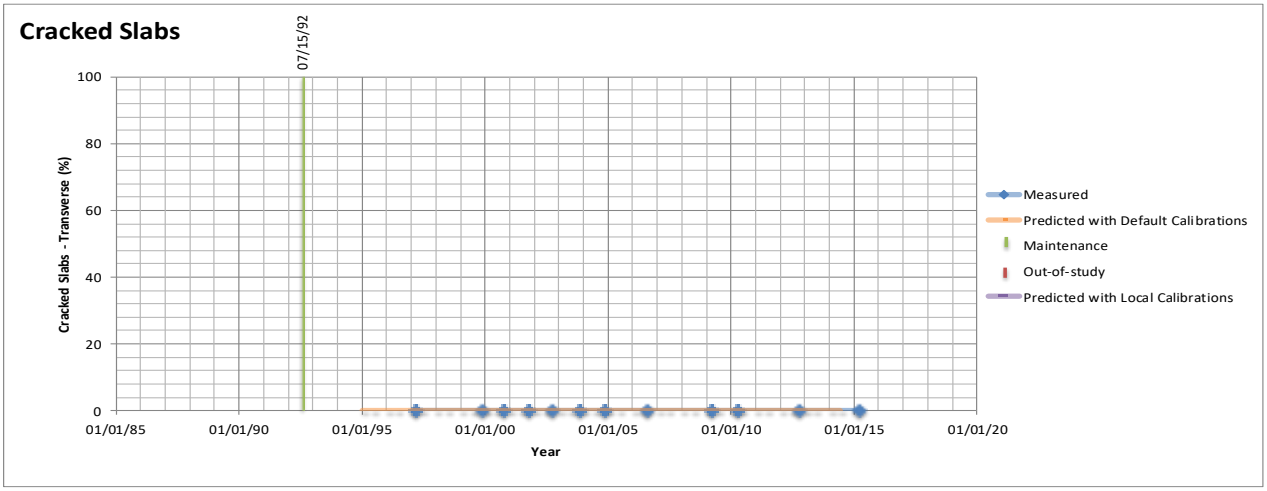


Date	Event
15-Jul-1992	In-study
1-Jun-1995	Partial depth patching of PCC pavements at joints

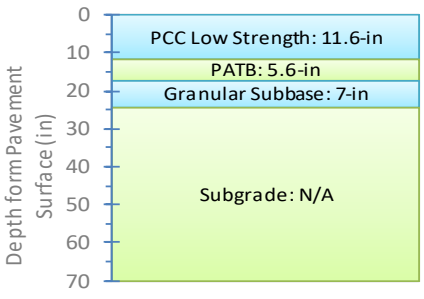


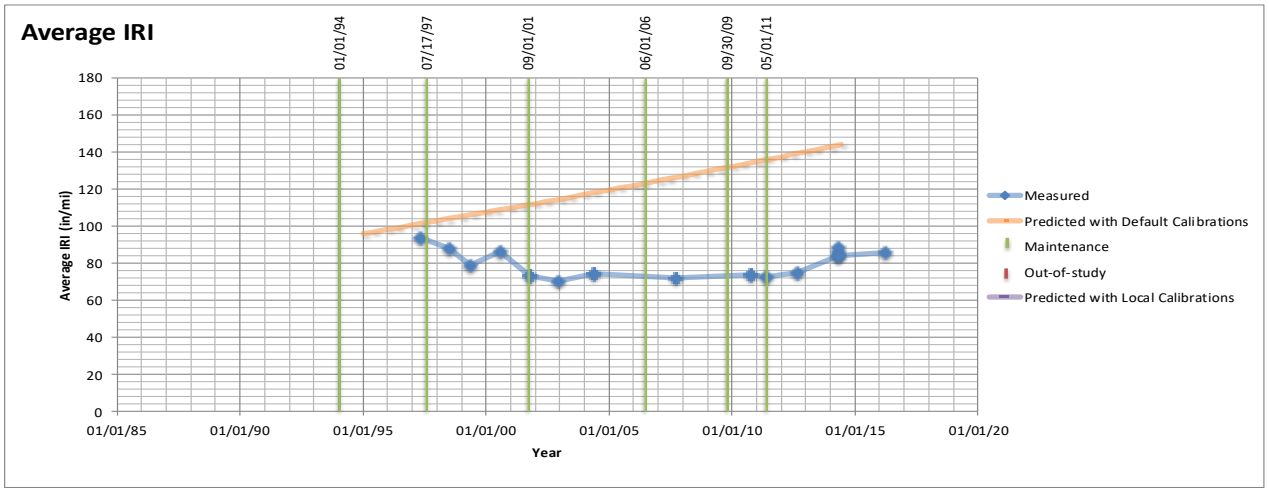


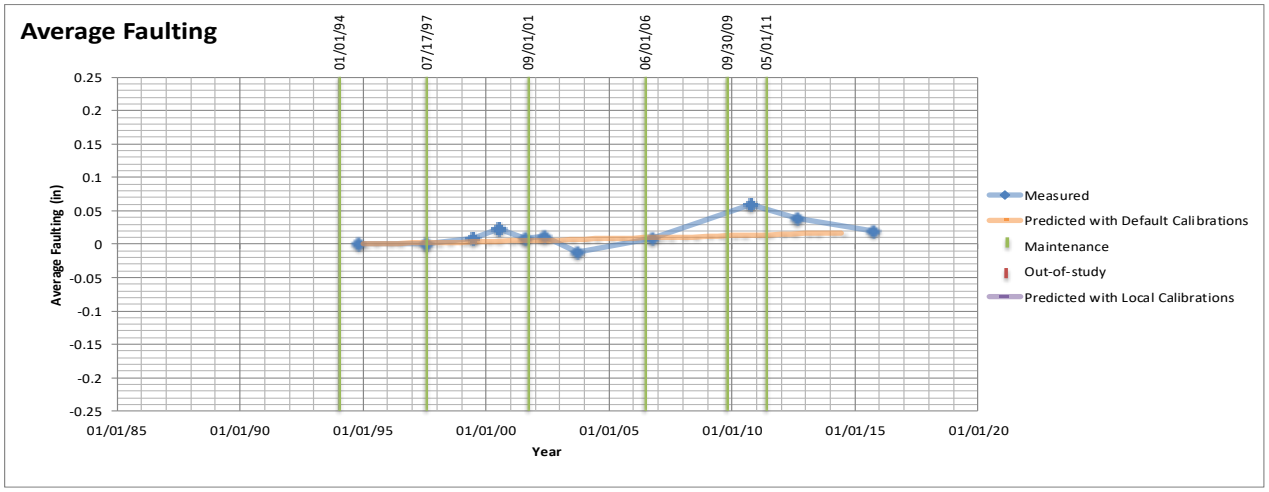


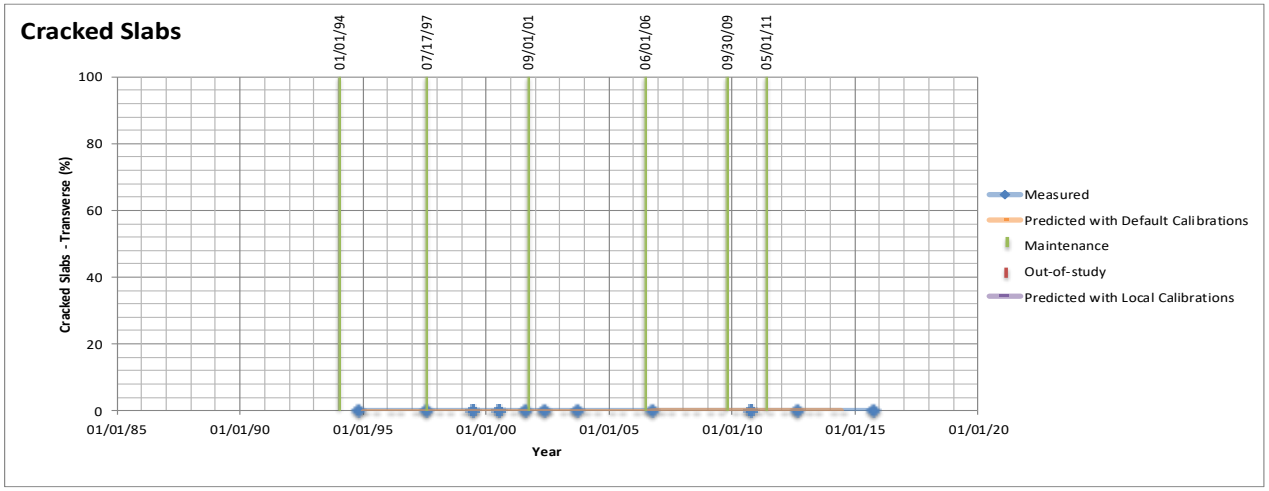


Date	Event
15-Jul-1992	In-study

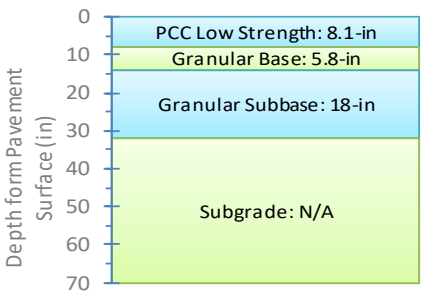


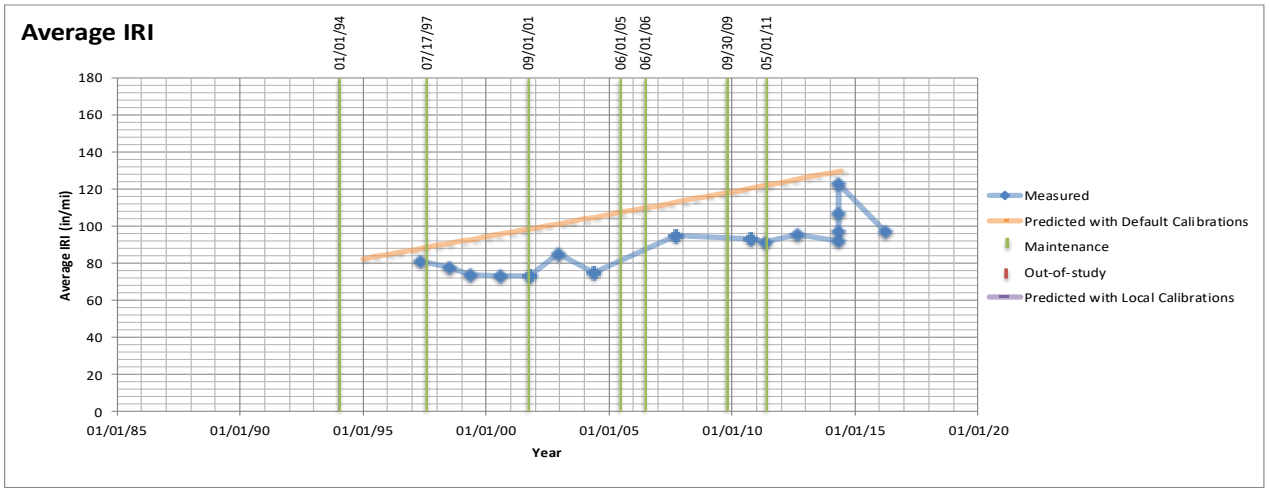


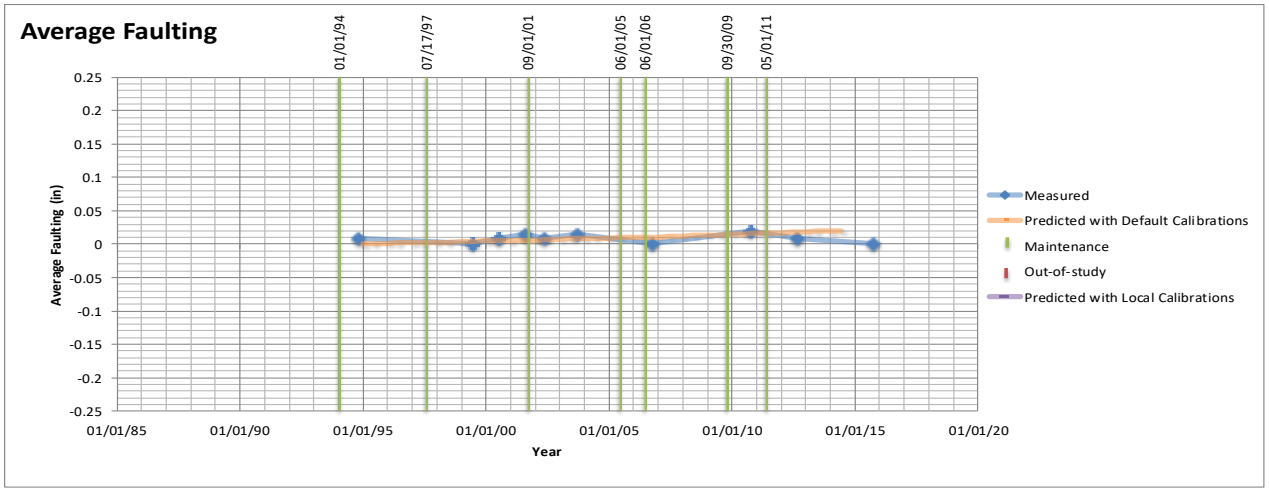


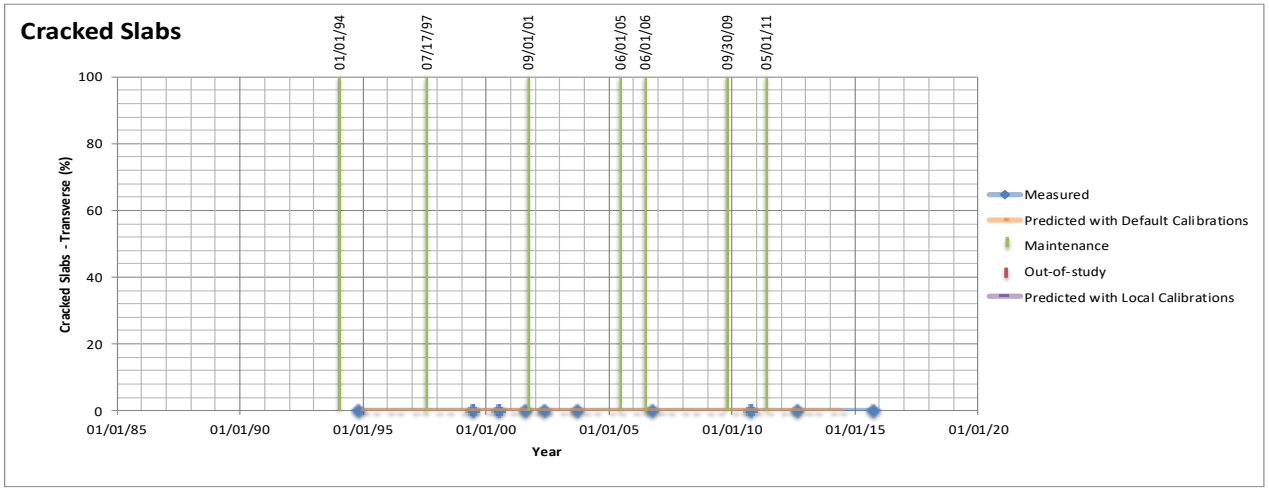


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder
1-May-2011	Grinding Surface

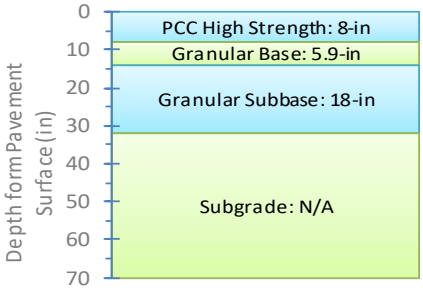






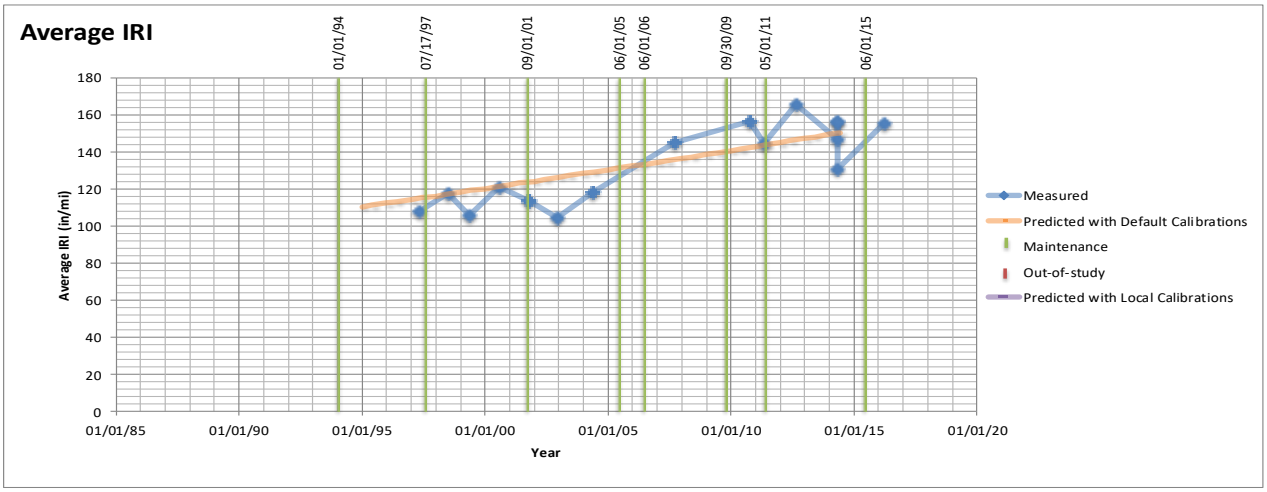


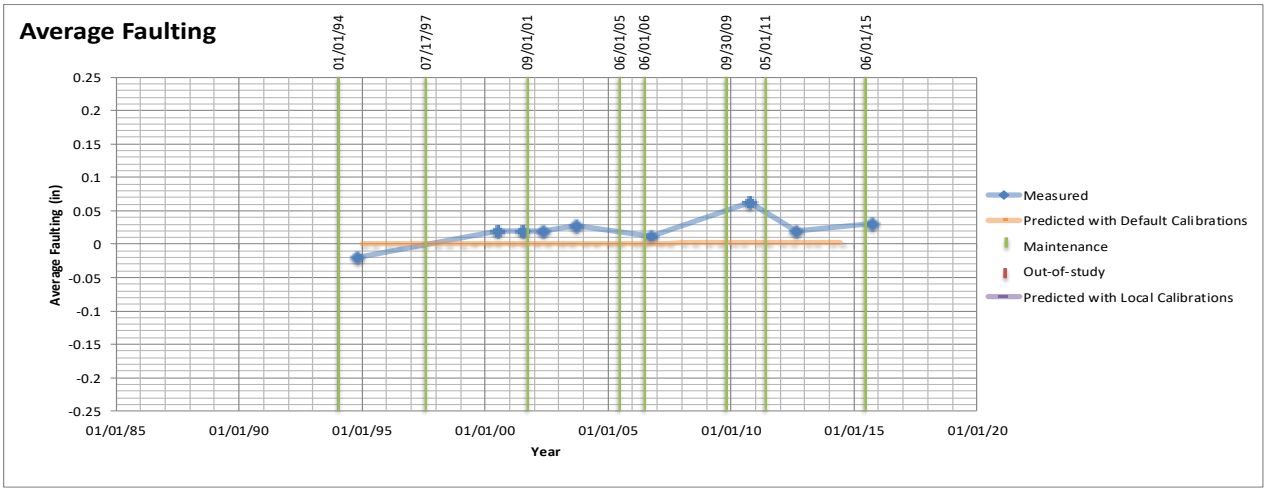
Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2005	AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing
30-Sep-2009	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder
1-May-2011	Grinding Surface

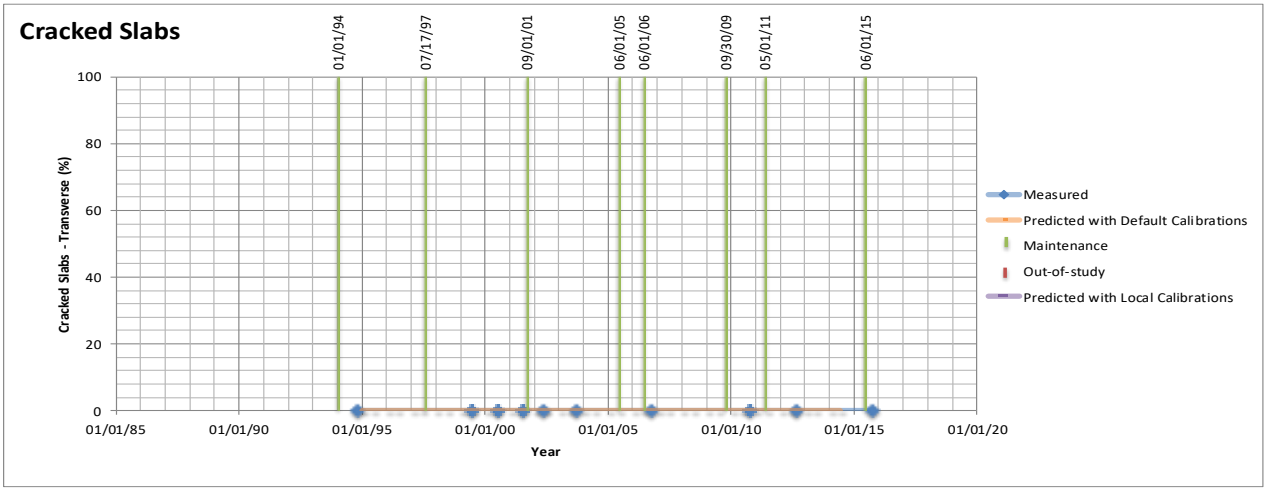


NORTH DAKOTA

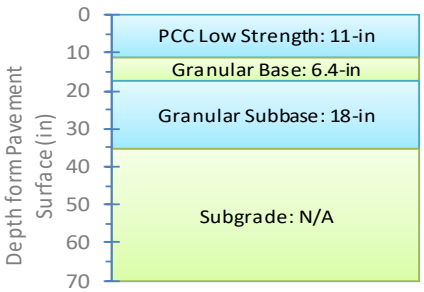
State Code:38 SHRP ID:0215

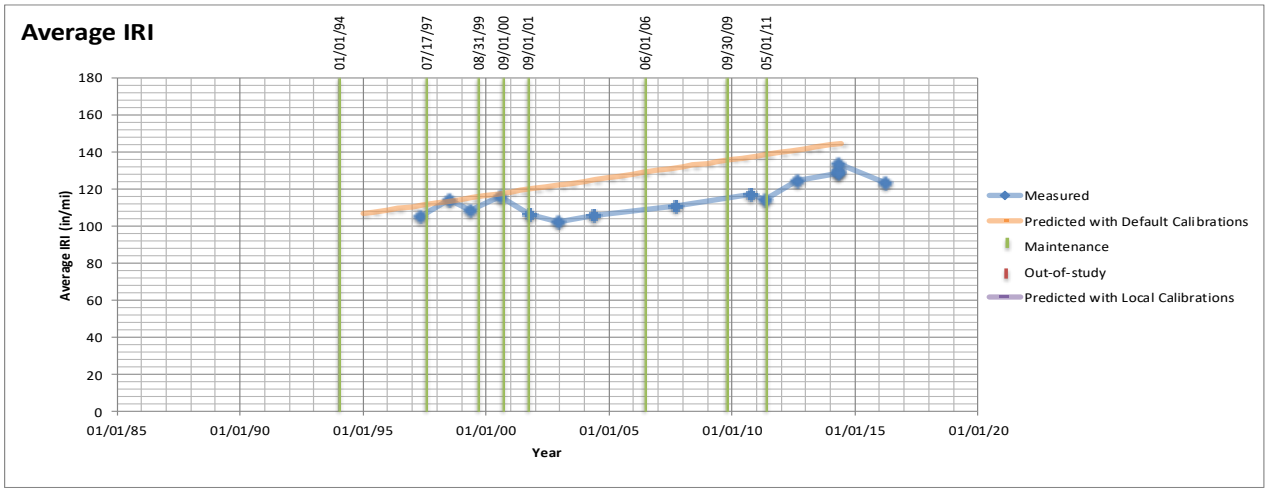


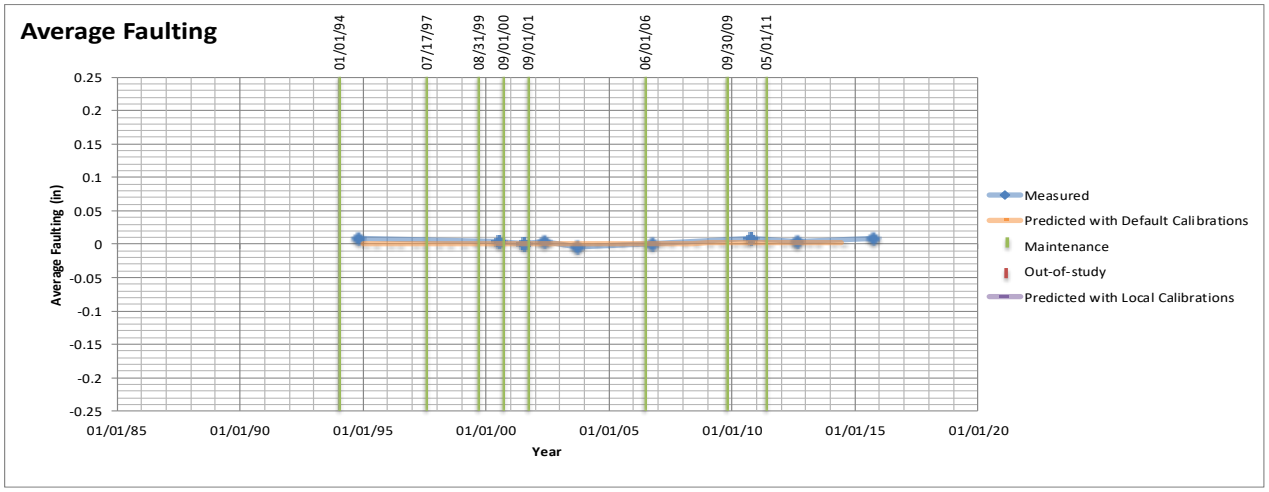


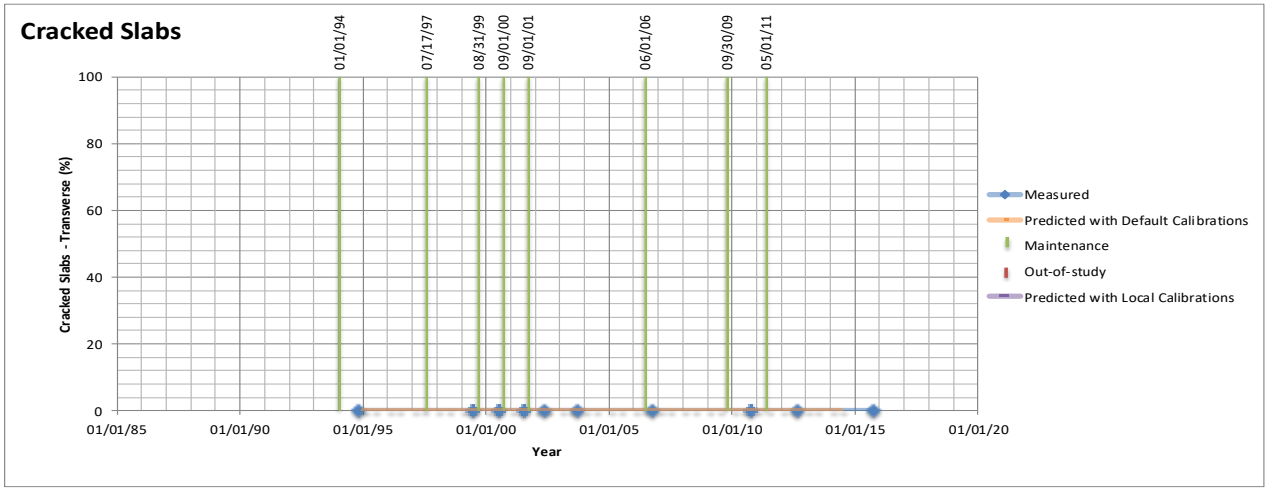


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2005	AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing
30-Sep-2009	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder
1-May-2011	Grinding Surface
1-Jun-2015	Skin Patching (hand tools/hot pot to apply liquid asphalt and aggregate)

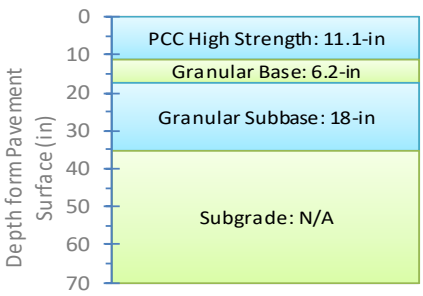


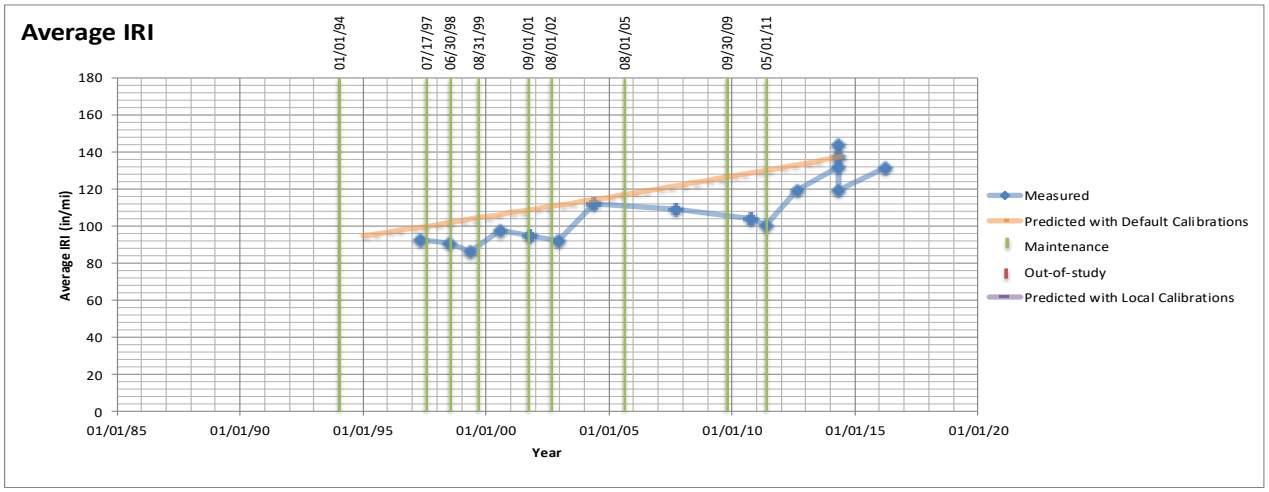


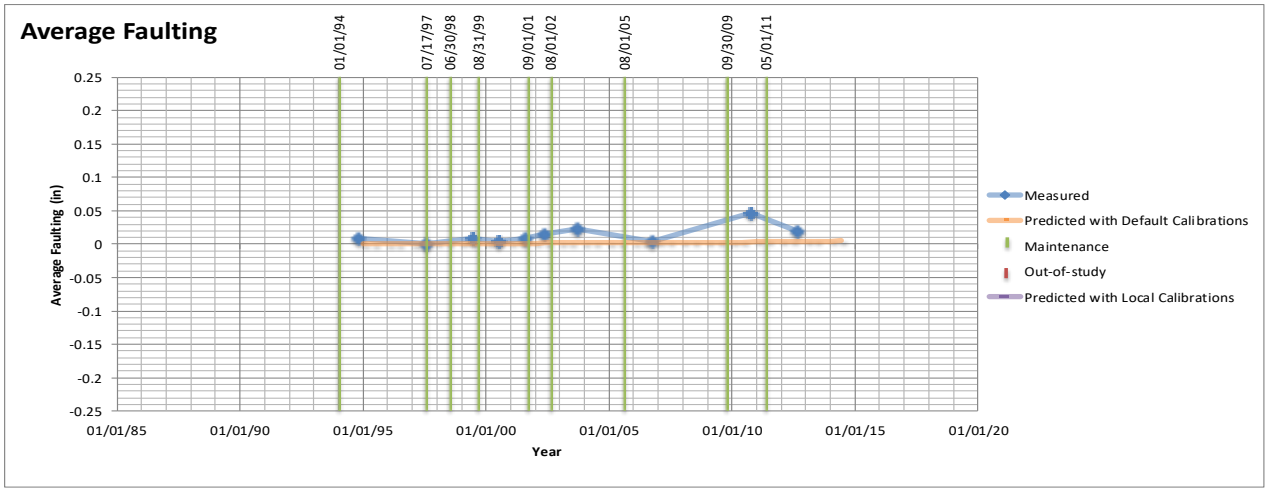


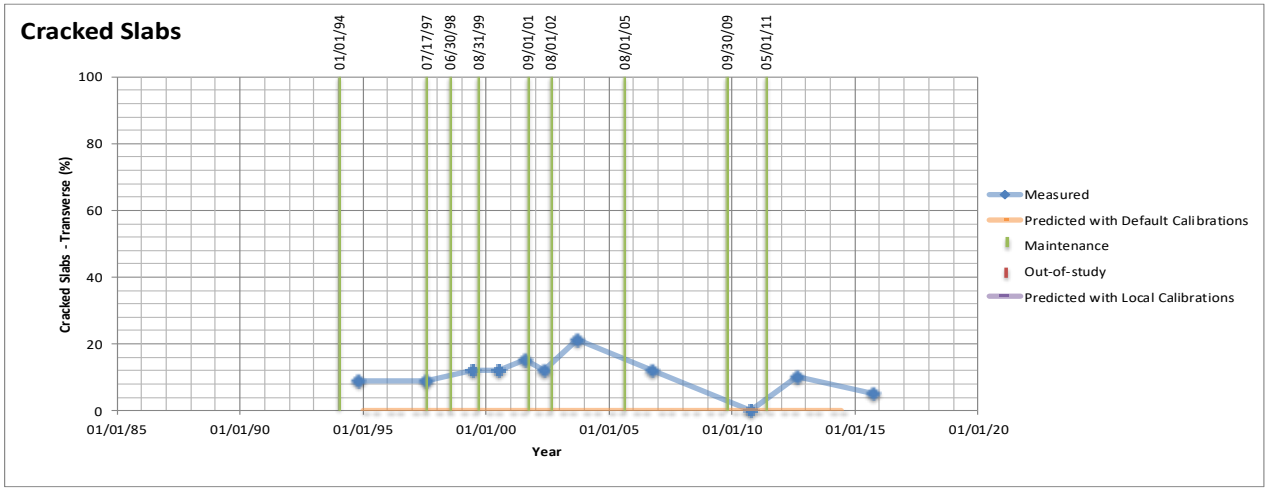


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
31-Aug-1999	Partial depth patching of PCC pavements at joints
1-Sep-2000	Partial depth patching of PCC pavements at joints
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration; Partial depth
30-Sep-2009	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder
1-May-2011	Grinding Surface

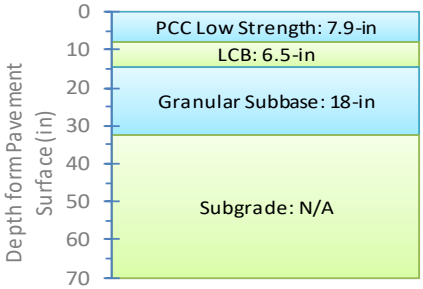


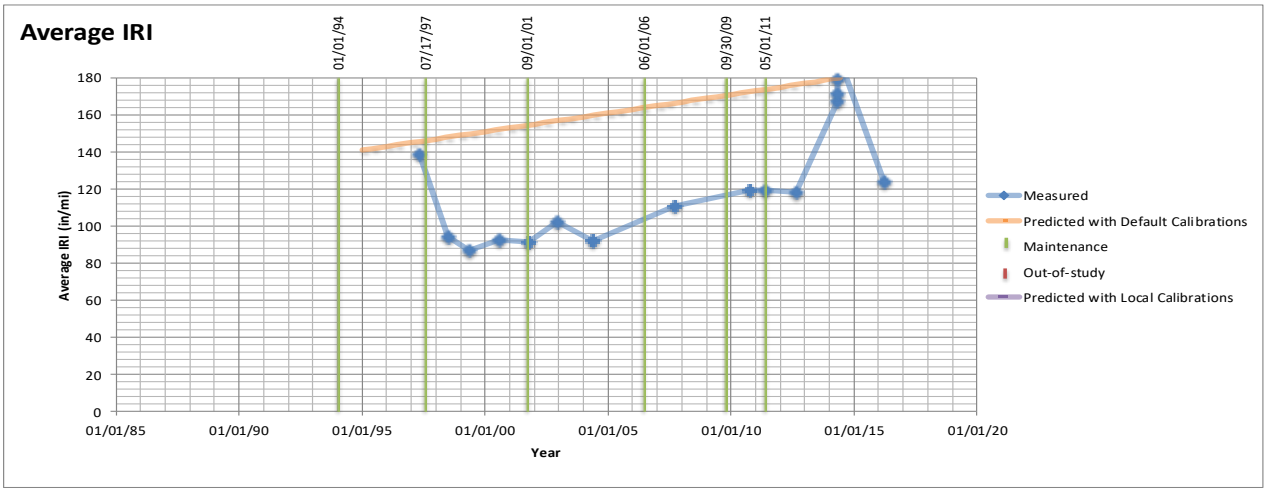


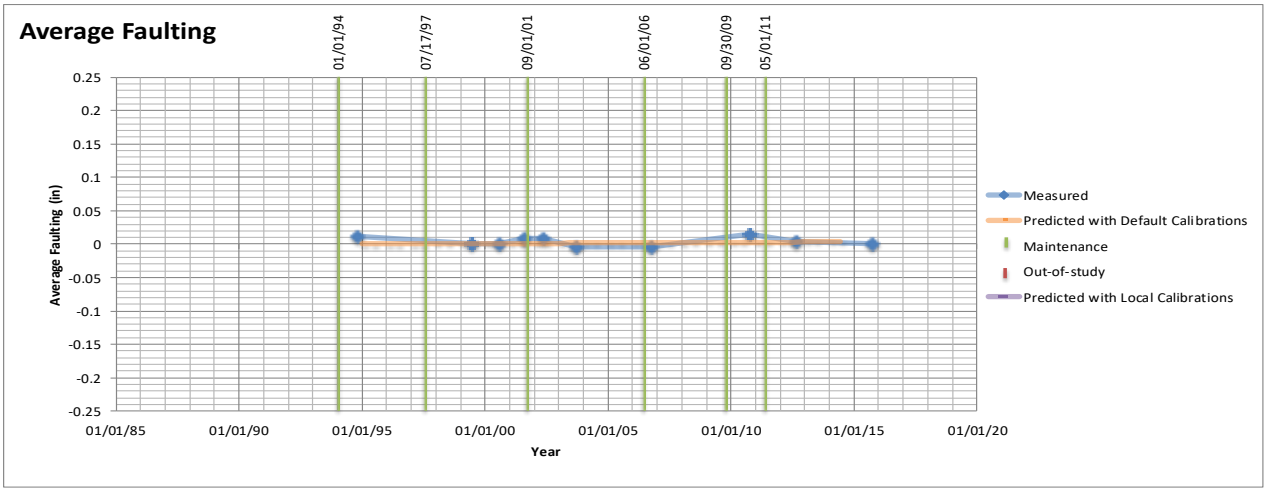


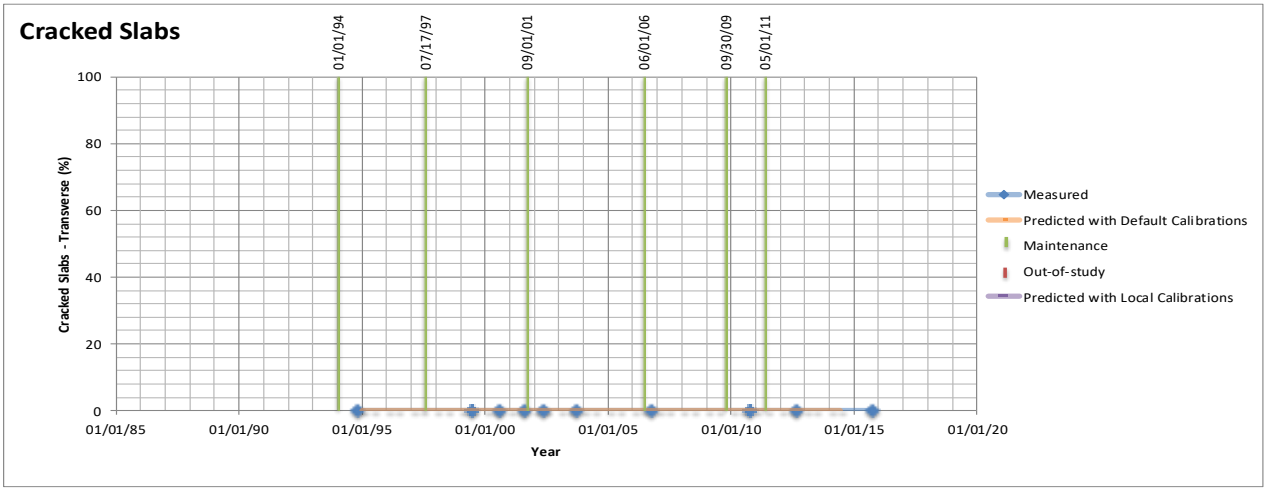


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
30-Jun-1998	Crack Sealing; Partial depth patching of PCC pavements at joints
31-Aug-1999	Partial depth patching of PCC pavements at joints
1-Sep-2001	Crack Sealing; Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Aug-2002	Crack Sealing; Lane-Shoulder Longitudinal Joint Sealing
1-Aug-2005	Crack Sealing; Lane-Shoulder Longitudinal Joint Sealing; Partial Depth Patching of
30-Sep-2009	Crack Sealing; Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing;
1-May-2011	Grinding Surface

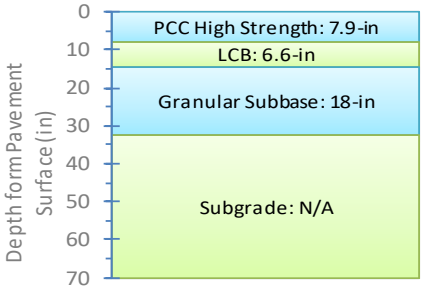






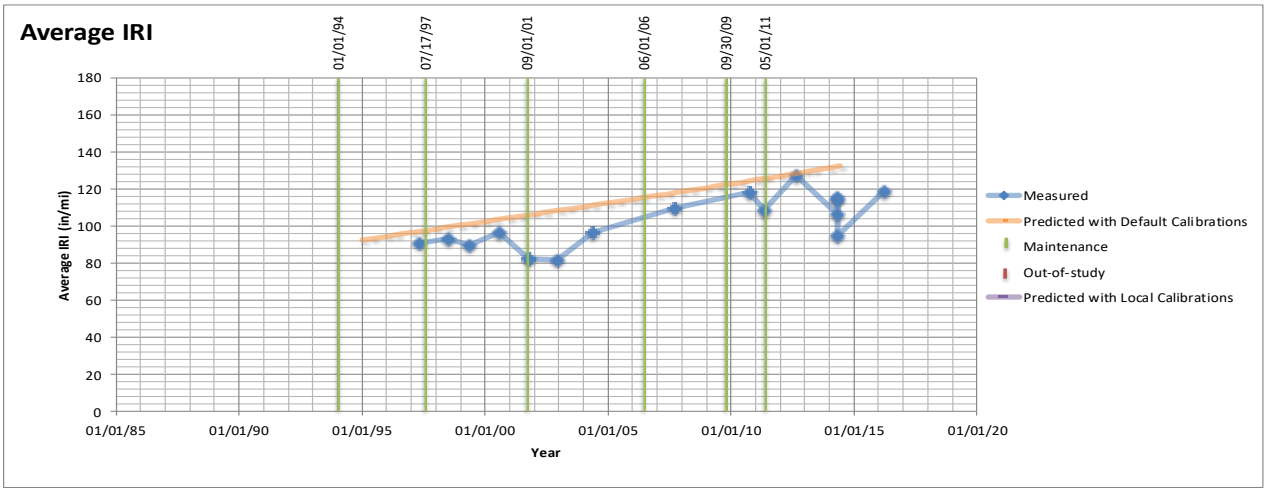


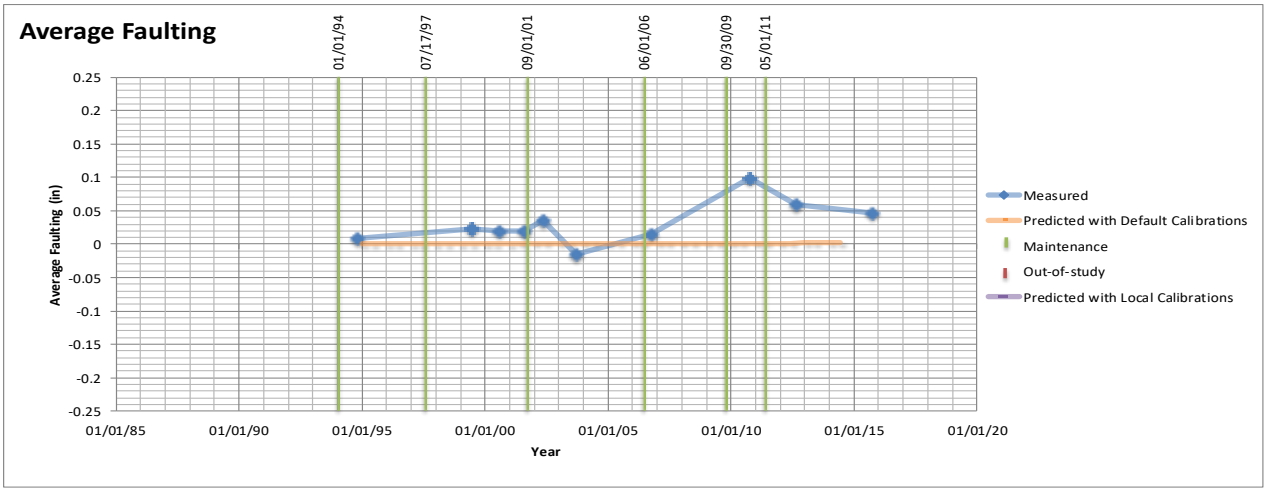
Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder
1-May-2011	Grinding Surface

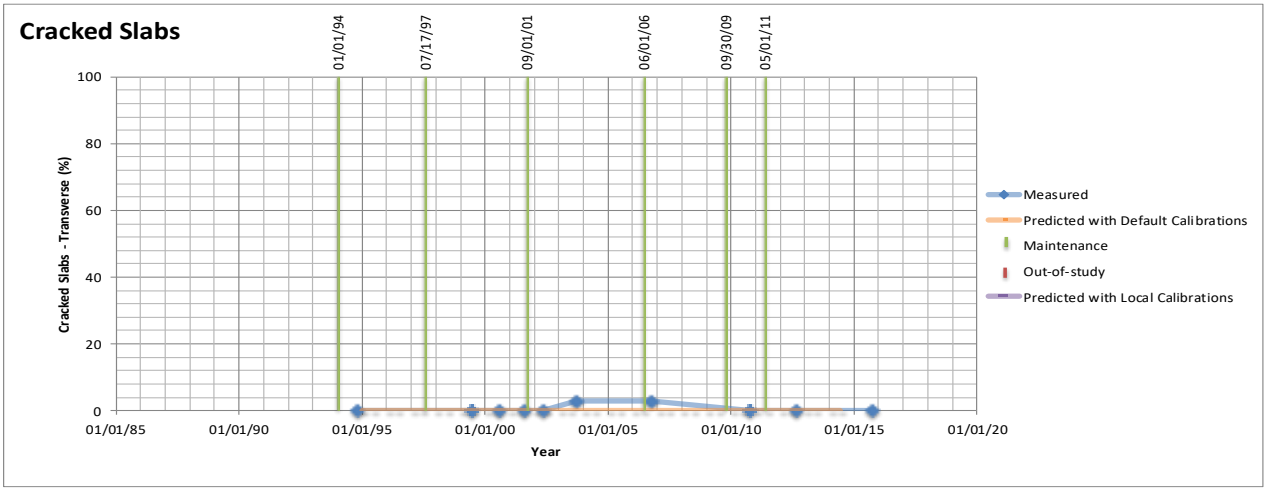


NORTH DAKOTA

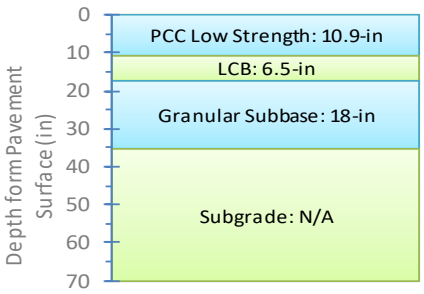
State Code:38 SHRP ID:0219

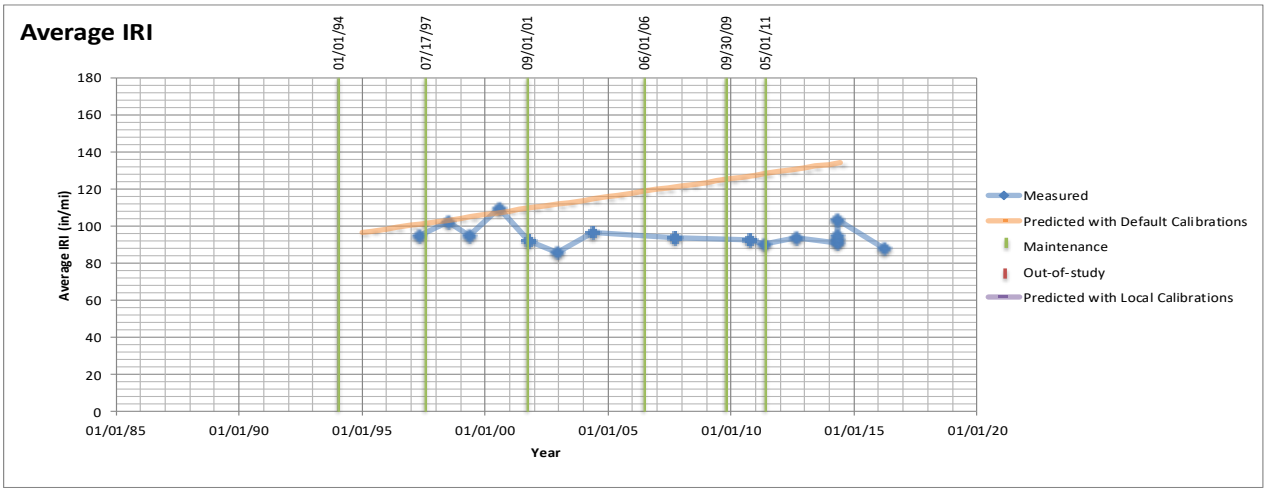


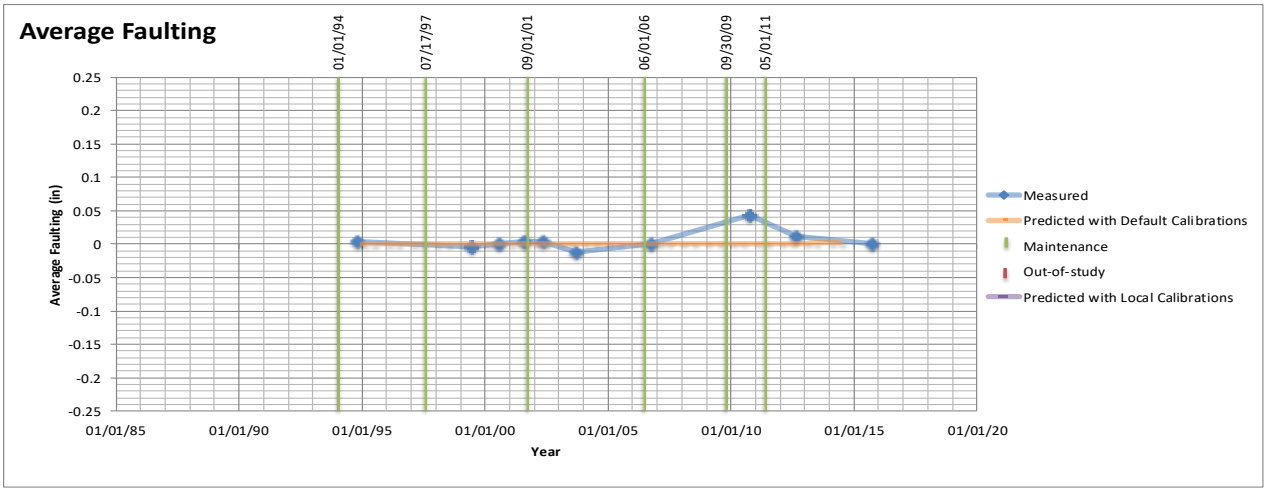


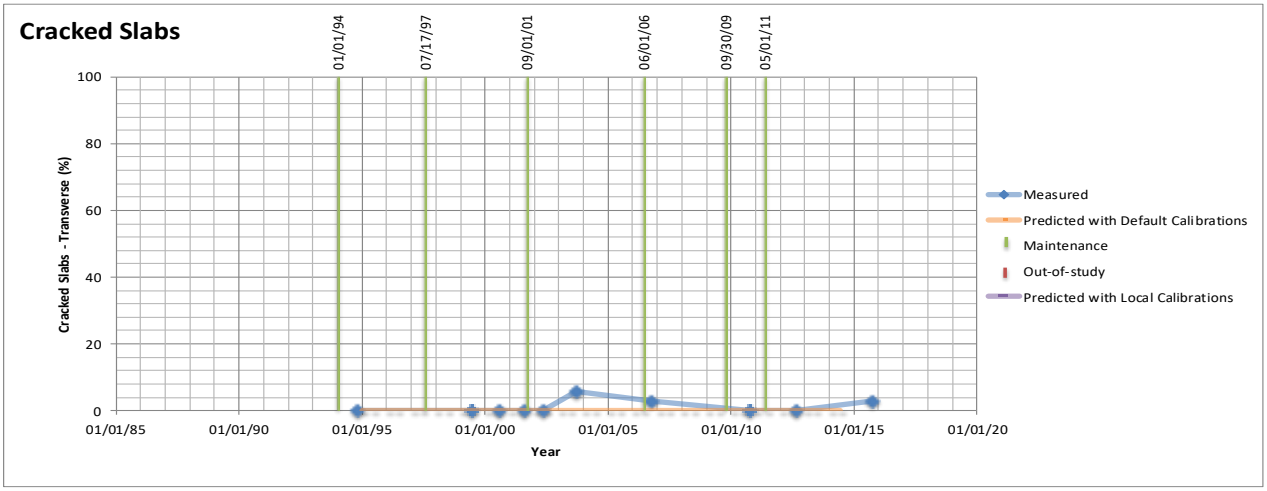


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-May-2011	Grinding Surface

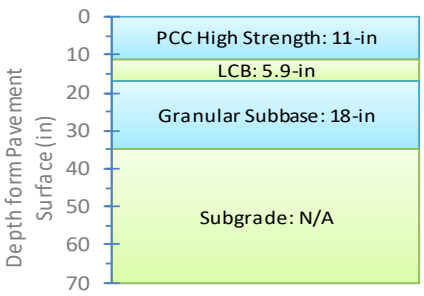


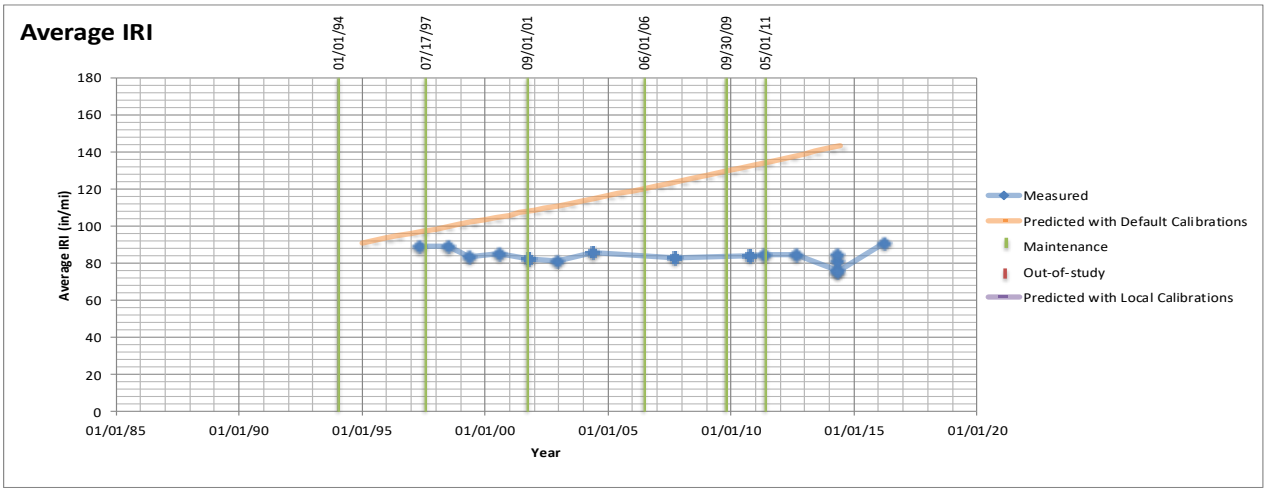


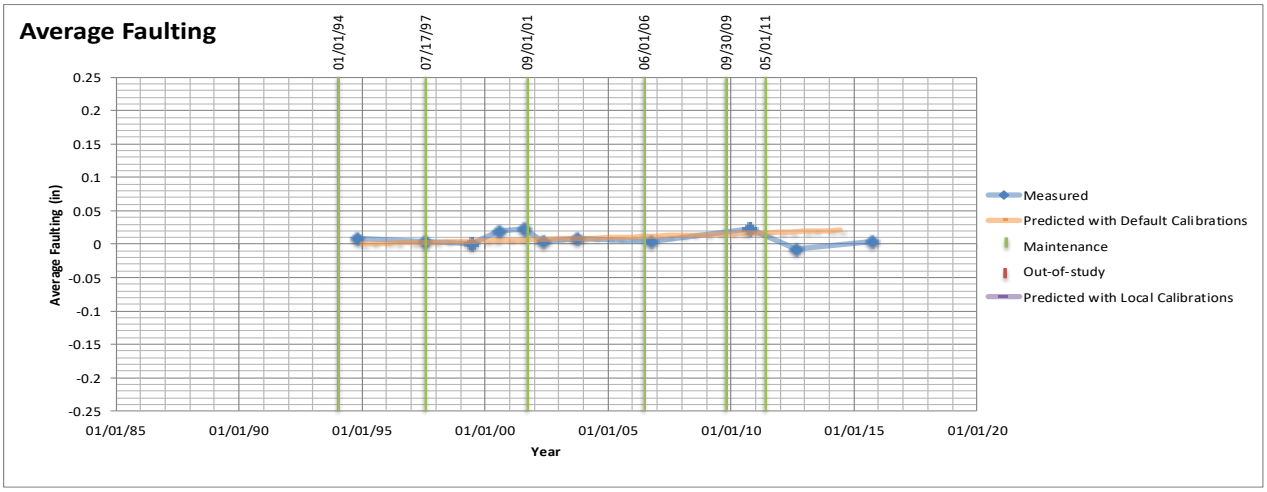


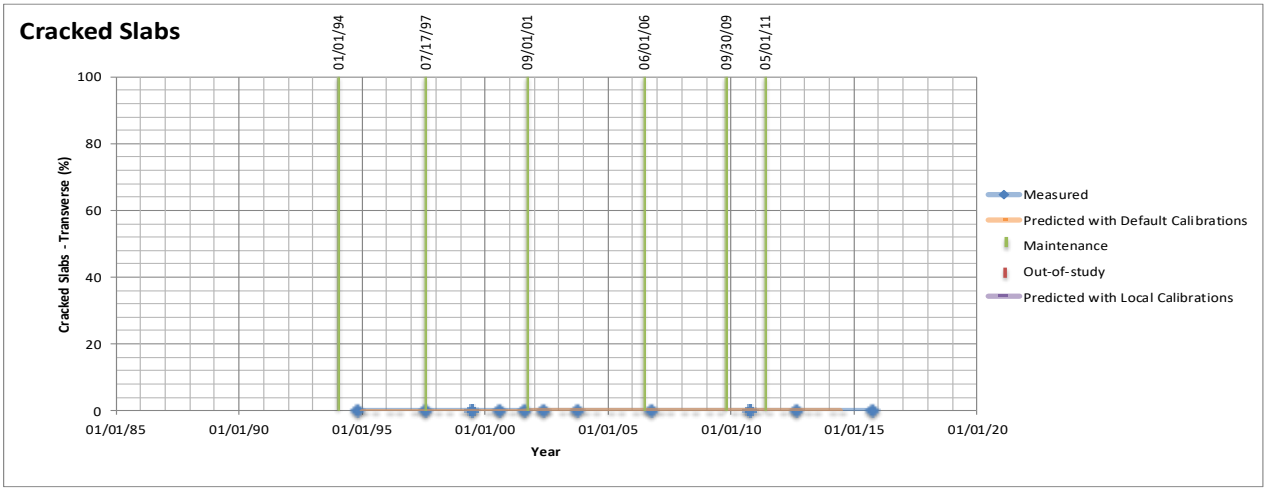


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-May-2011	Grinding Surface

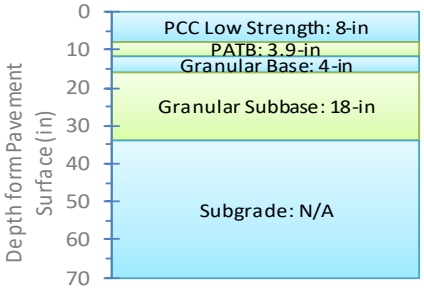


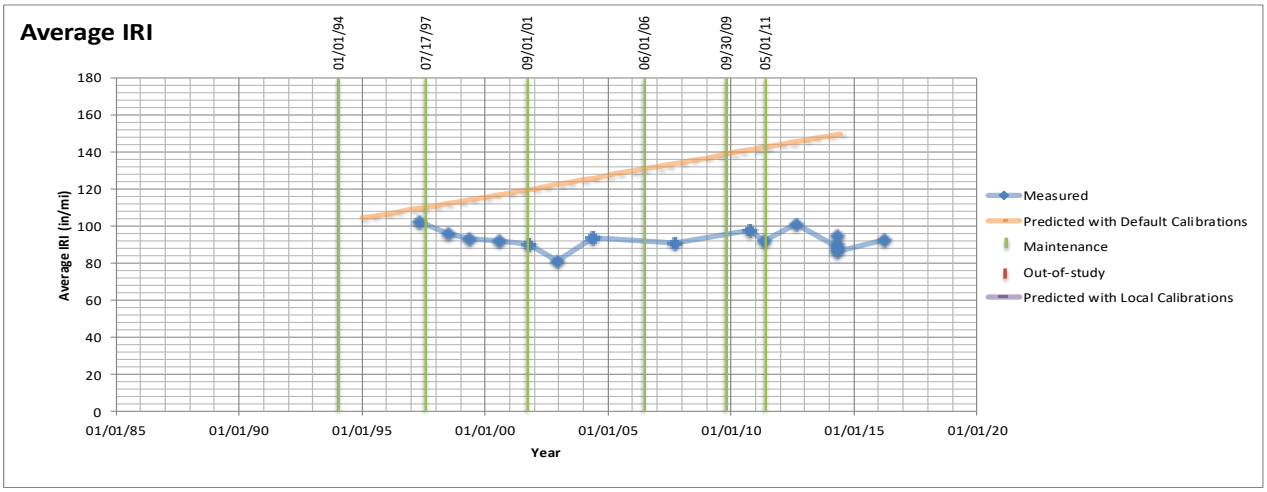


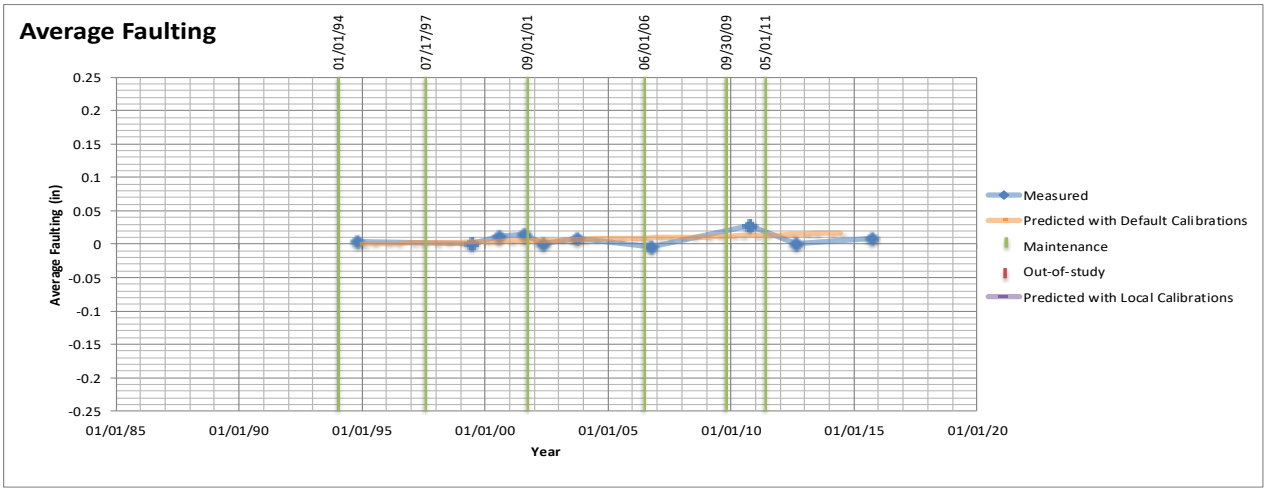


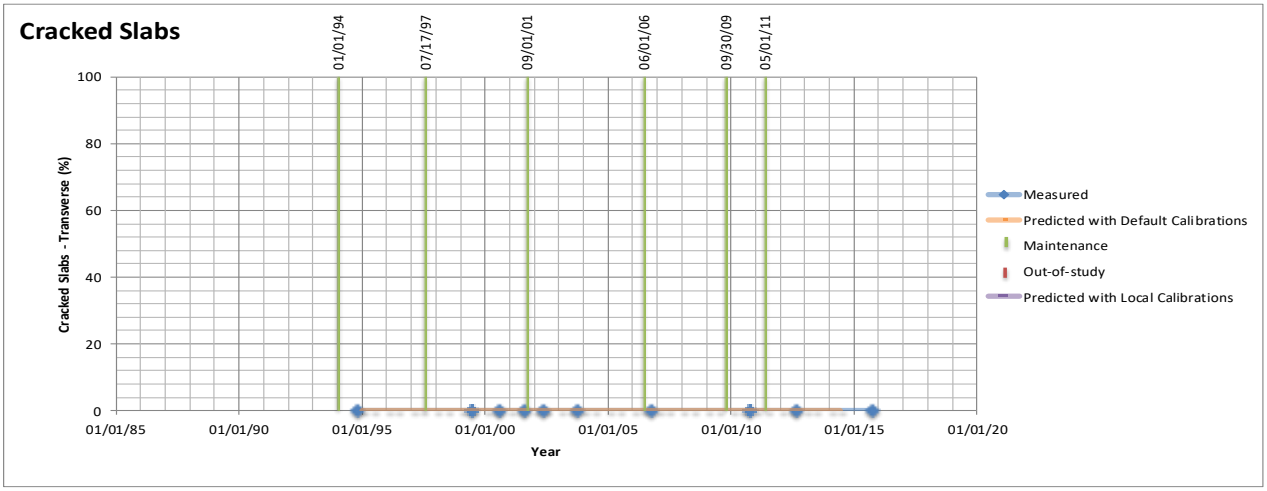


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-May-2011	Grinding Surface

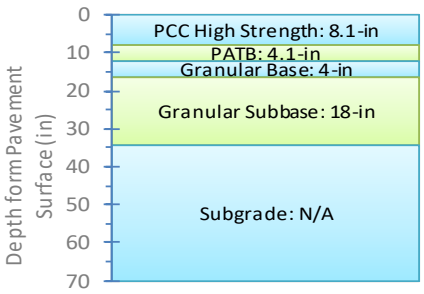


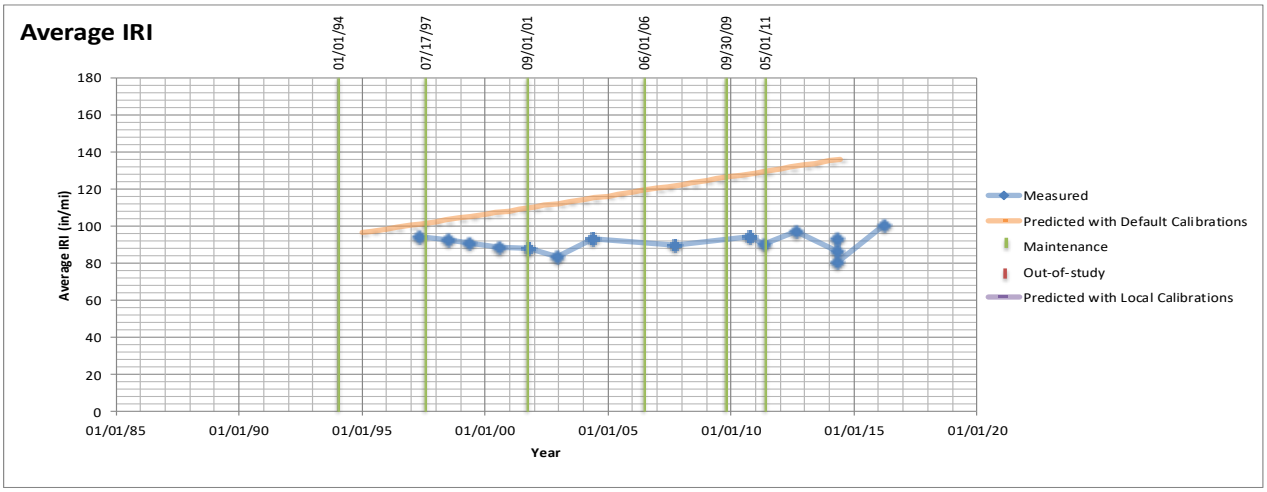


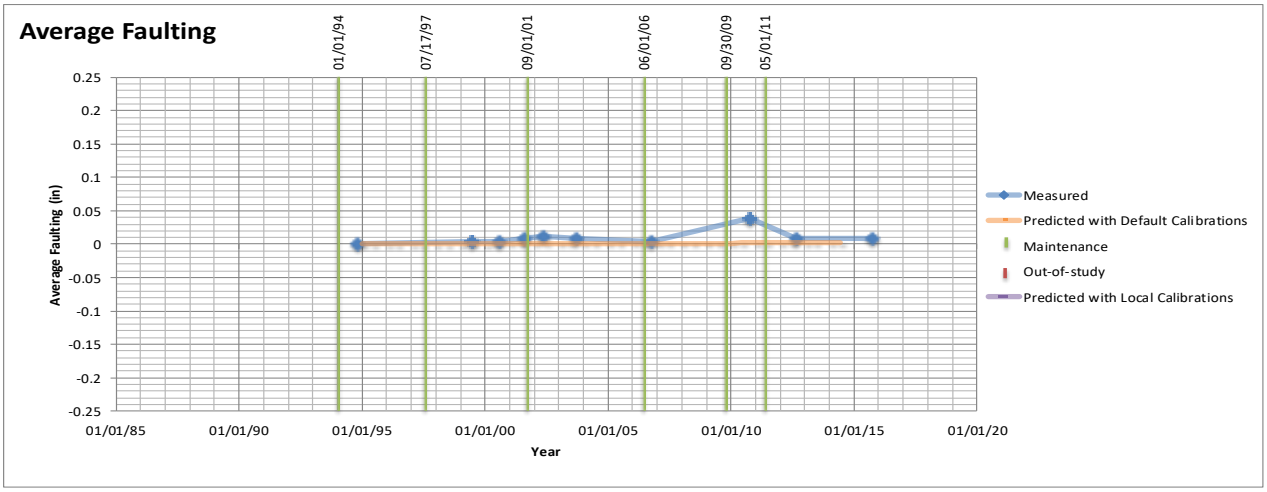


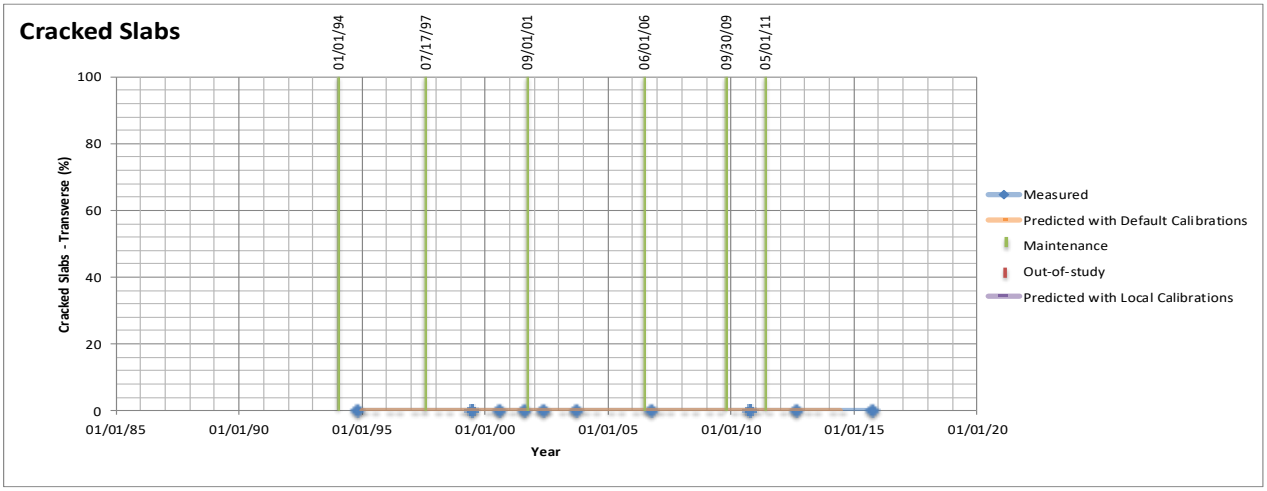


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder
1-May-2011	Grinding Surface

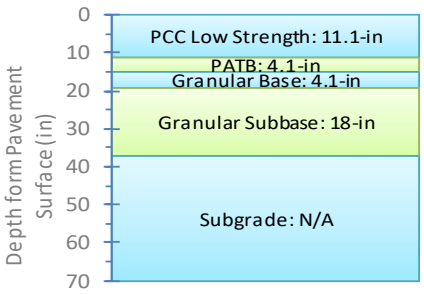


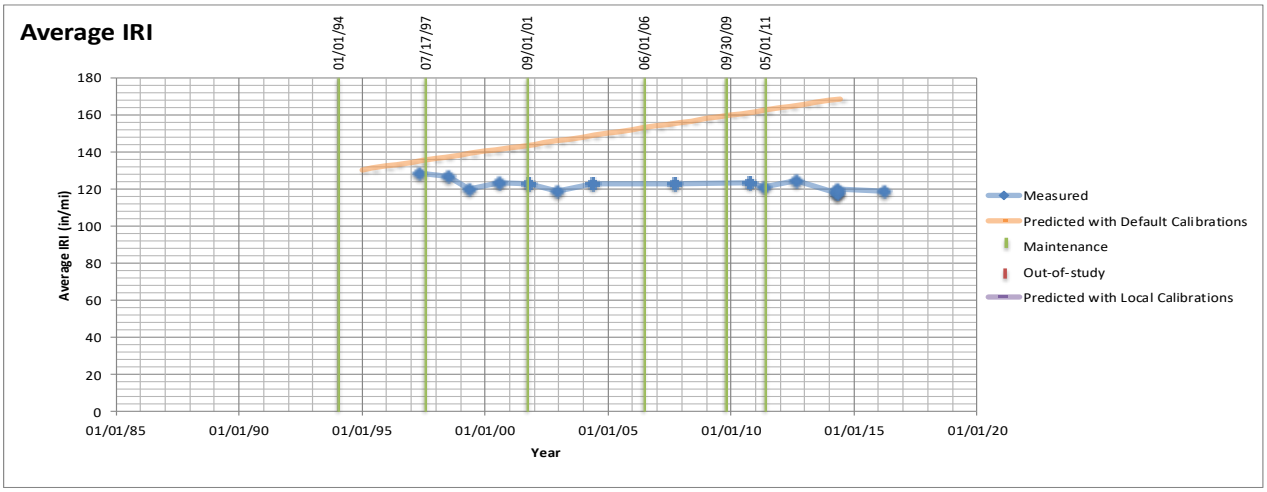


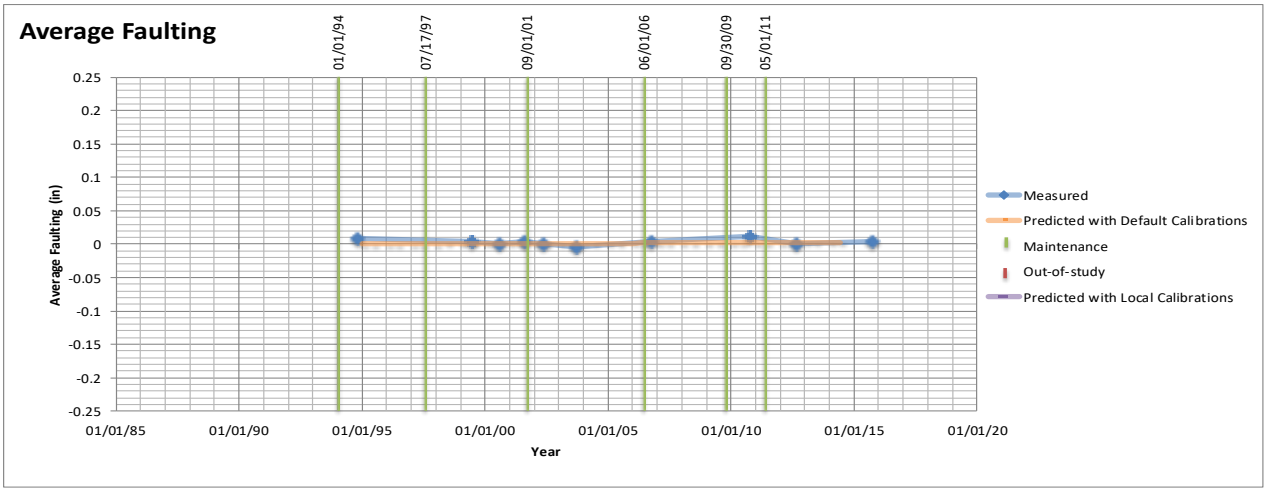


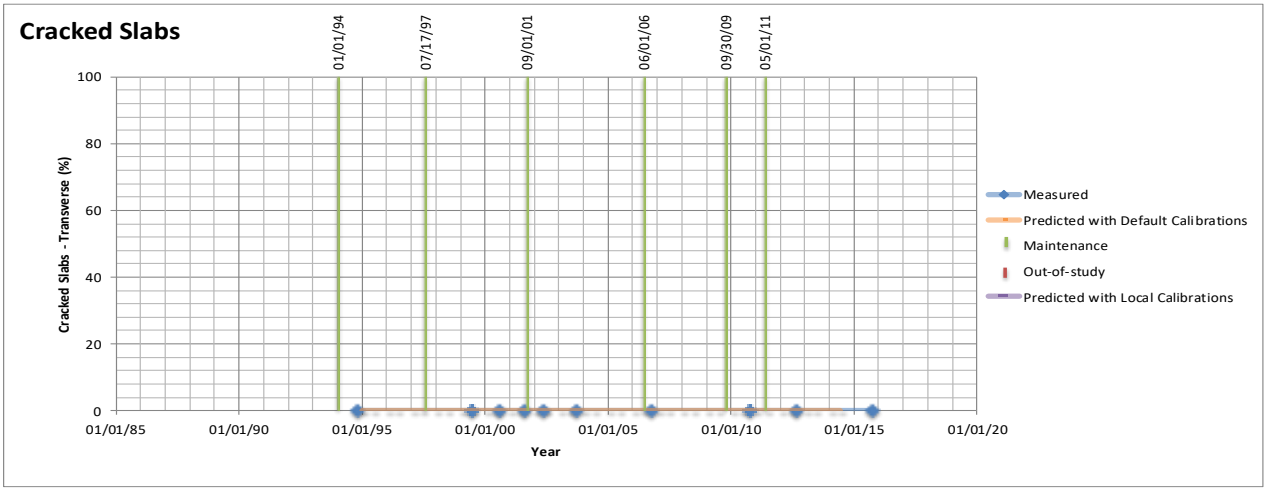


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-May-2011	Grinding Surface

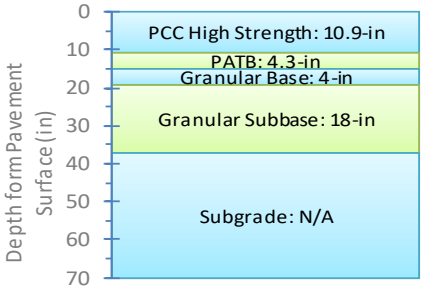


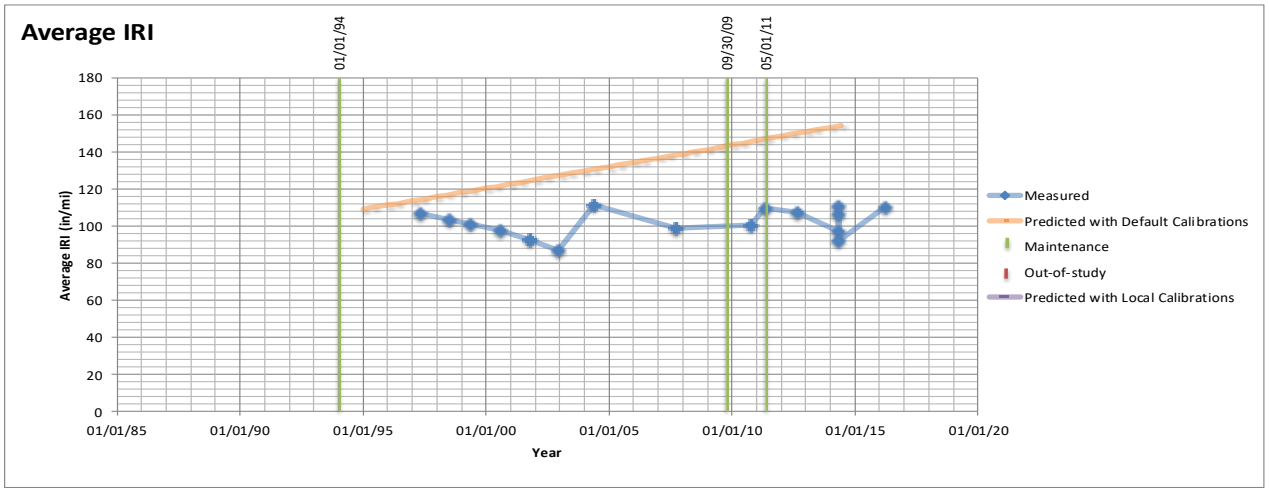


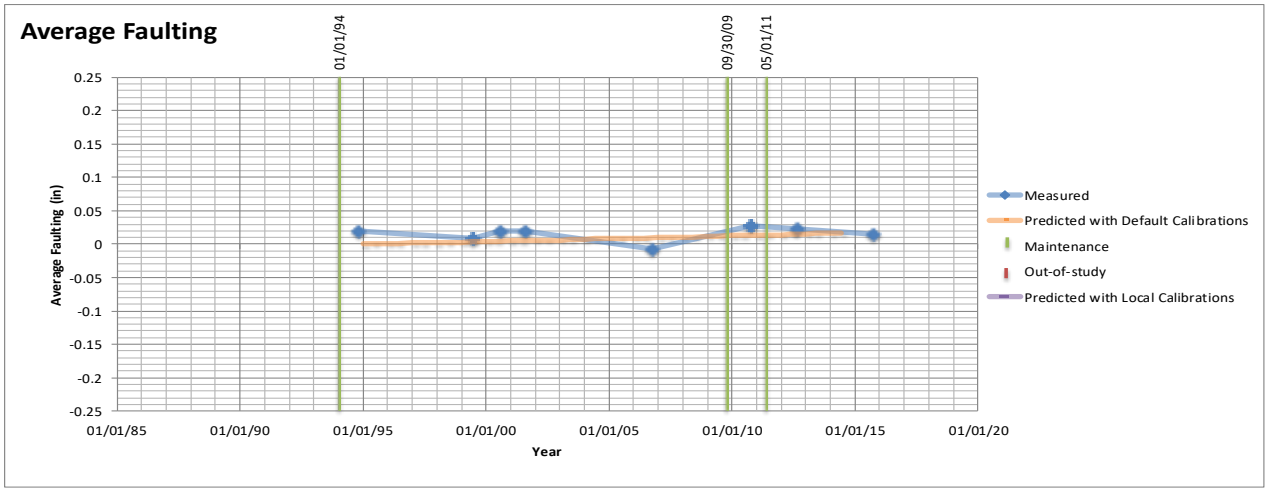


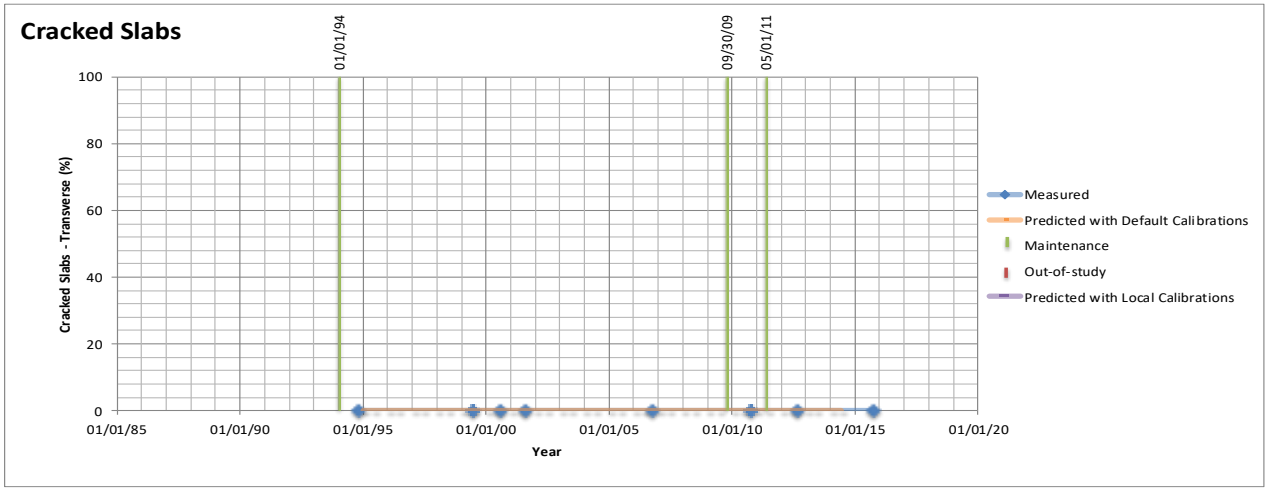


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-May-2011	Grinding Surface

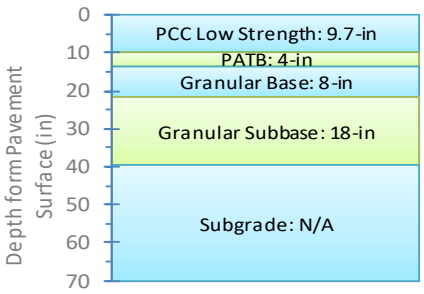


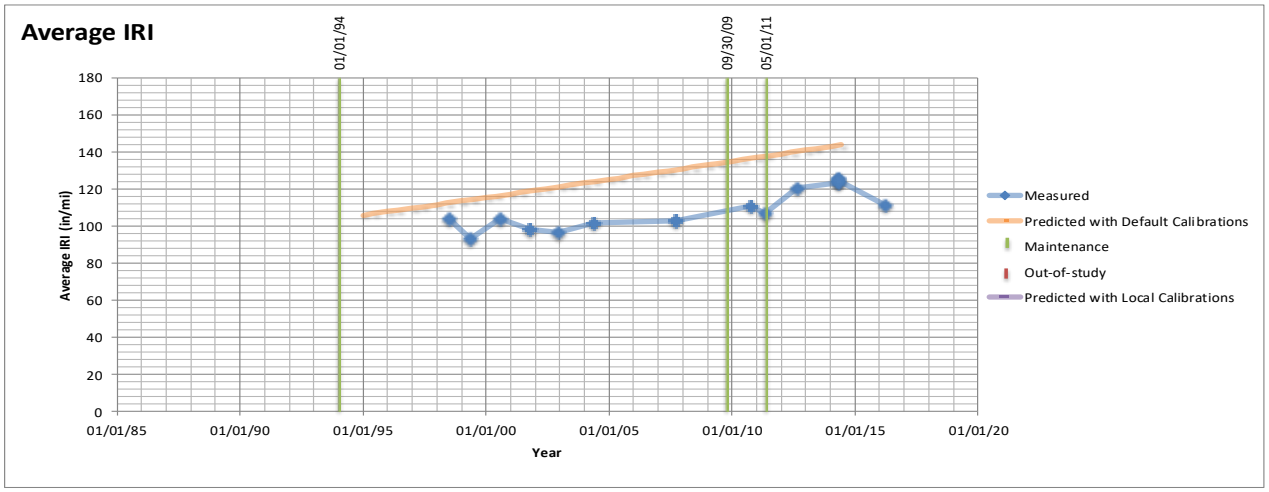


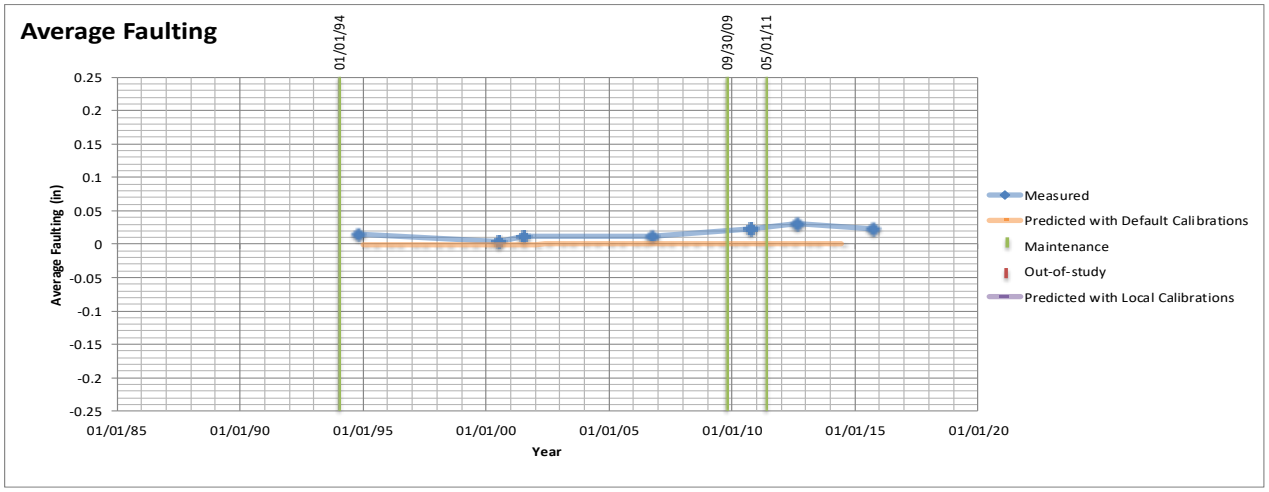


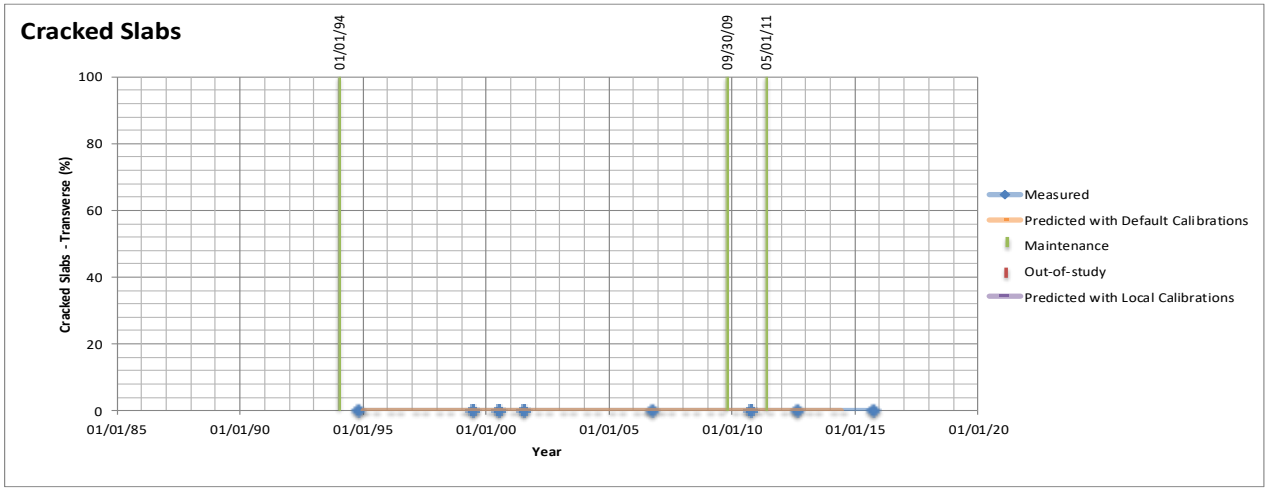


Date	Event
1-Jan-1994	In-study
30-Sep-2009	Transverse Joint Sealing; Lane-Shoulder Longitudinal Joint Sealing; Partial depth
1-May-2011	Grinding Surface

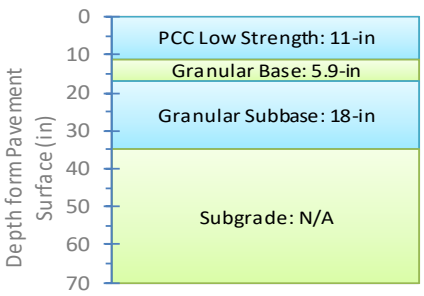


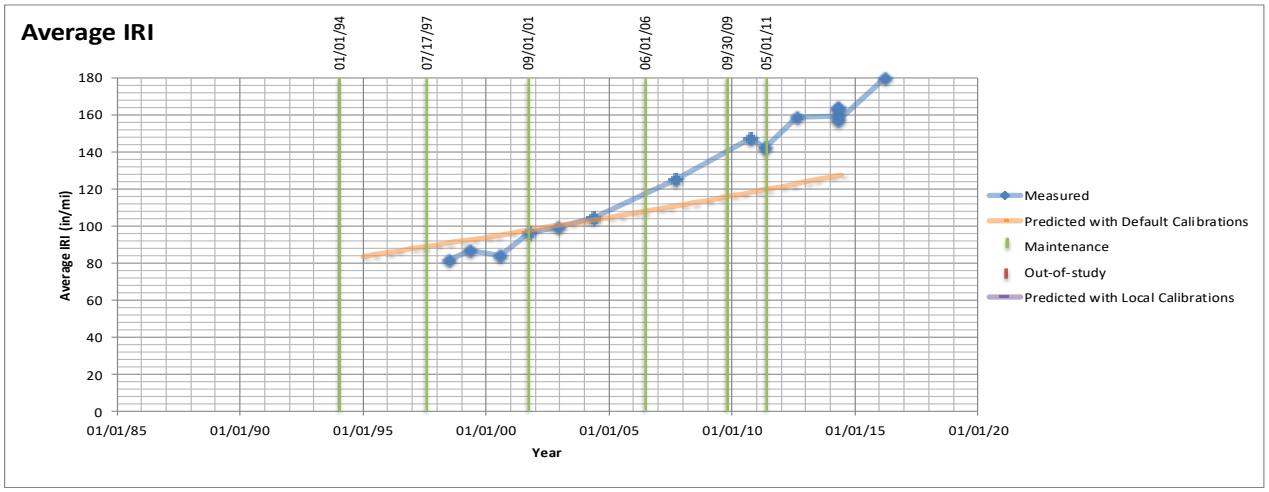


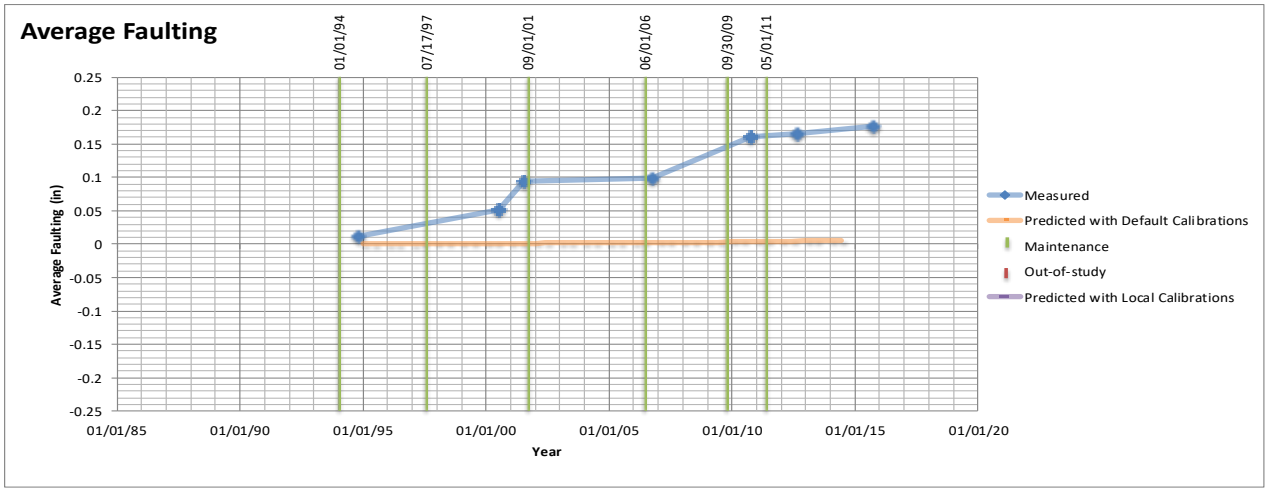


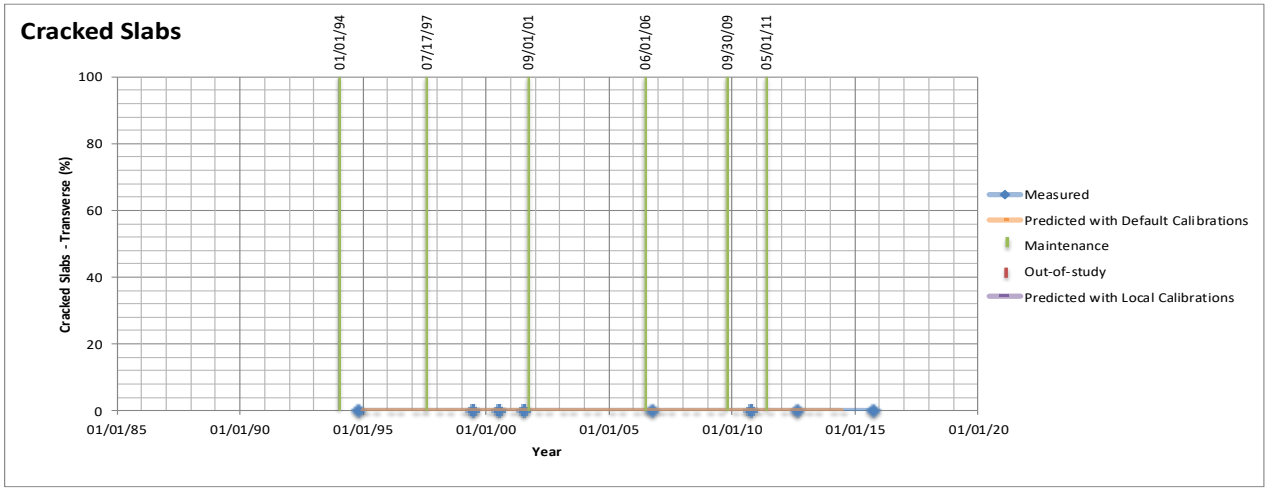


Date	Event
1-Jan-1994	In-study
30-Sep-2009	Lane-Shoulder Longitudinal Joint Sealing; Partial depth patching of PCC pavements
1-May-2011	Grinding Surface

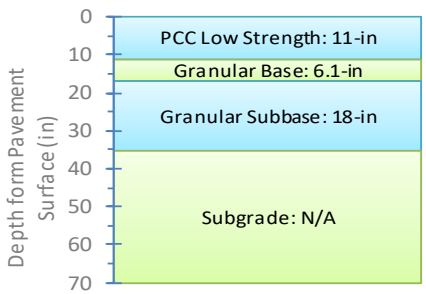


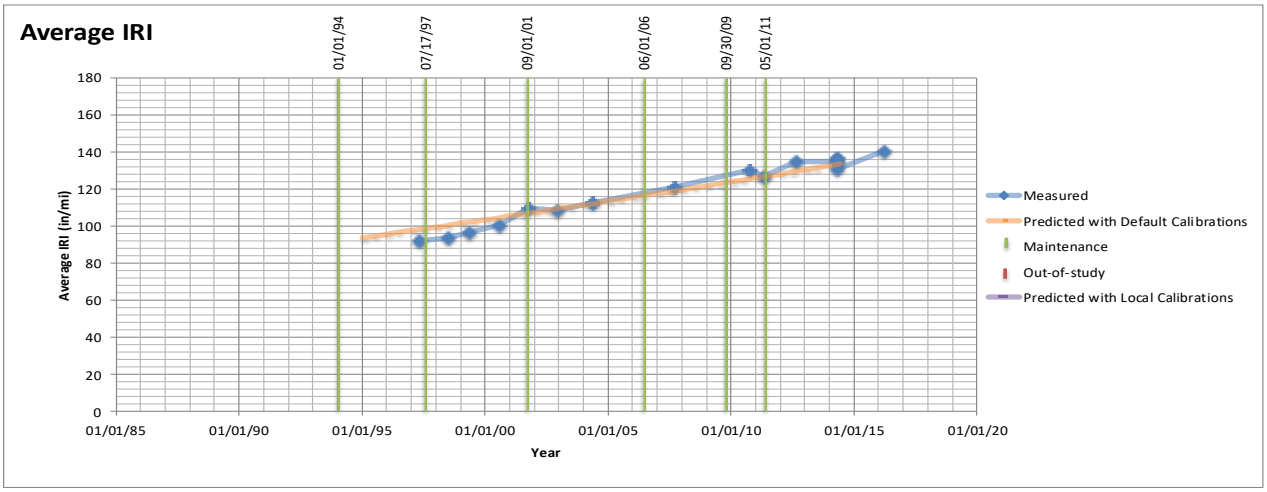


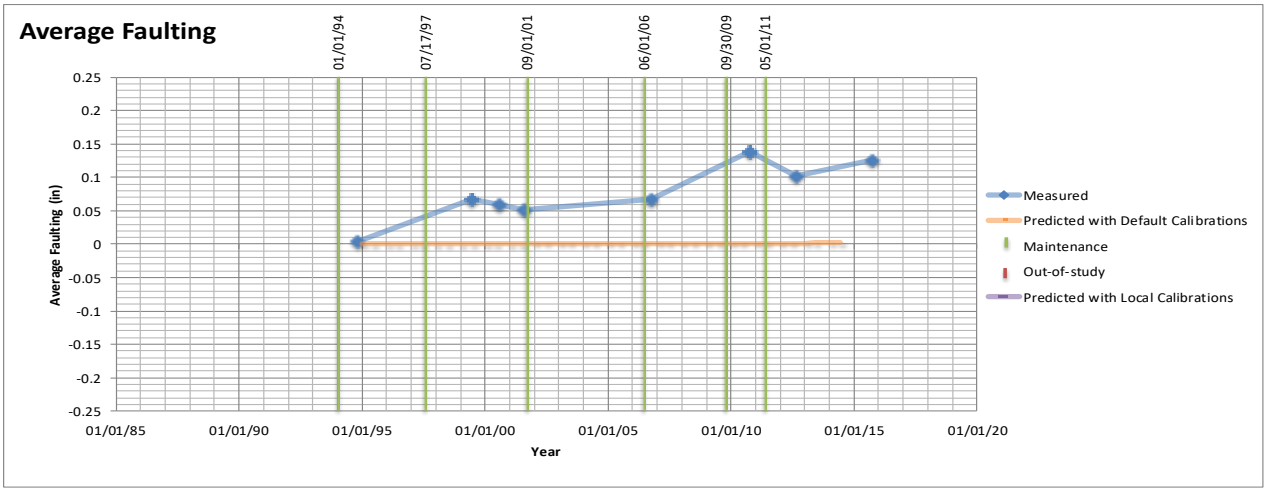


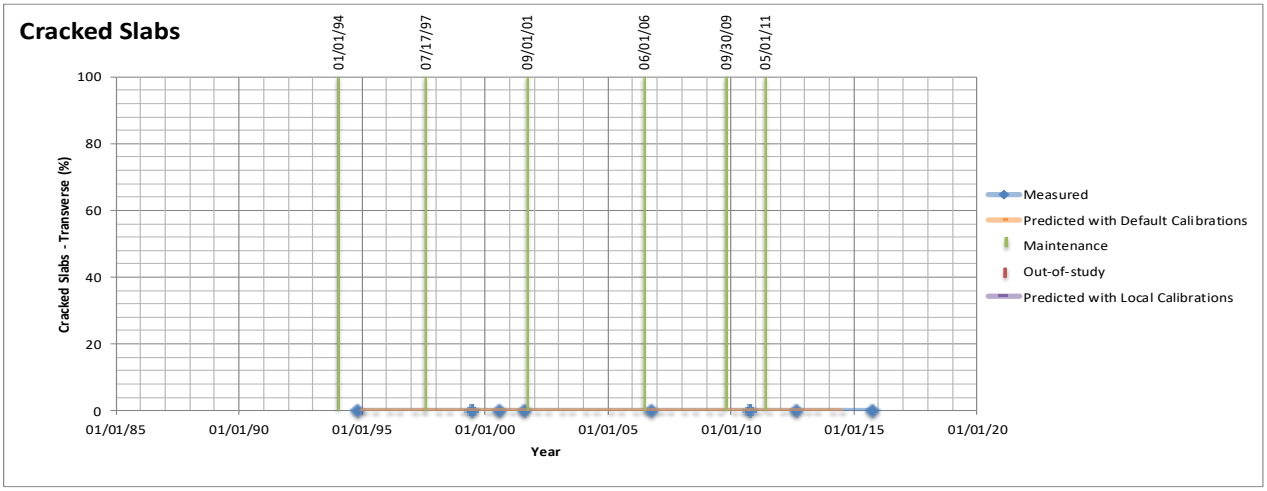


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-May-2011	Grinding Surface

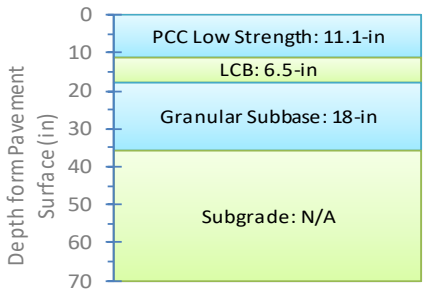


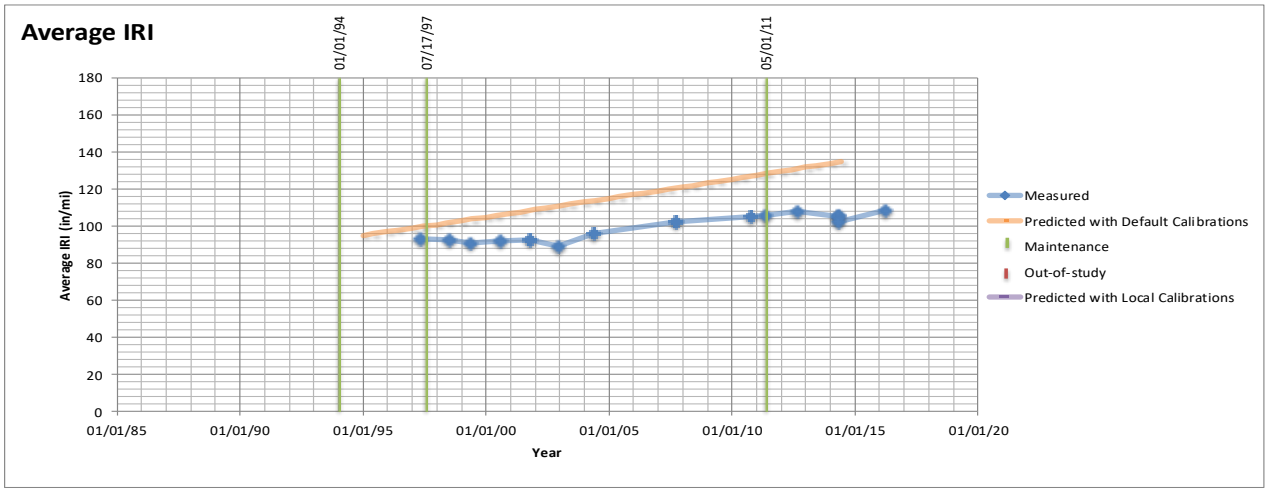


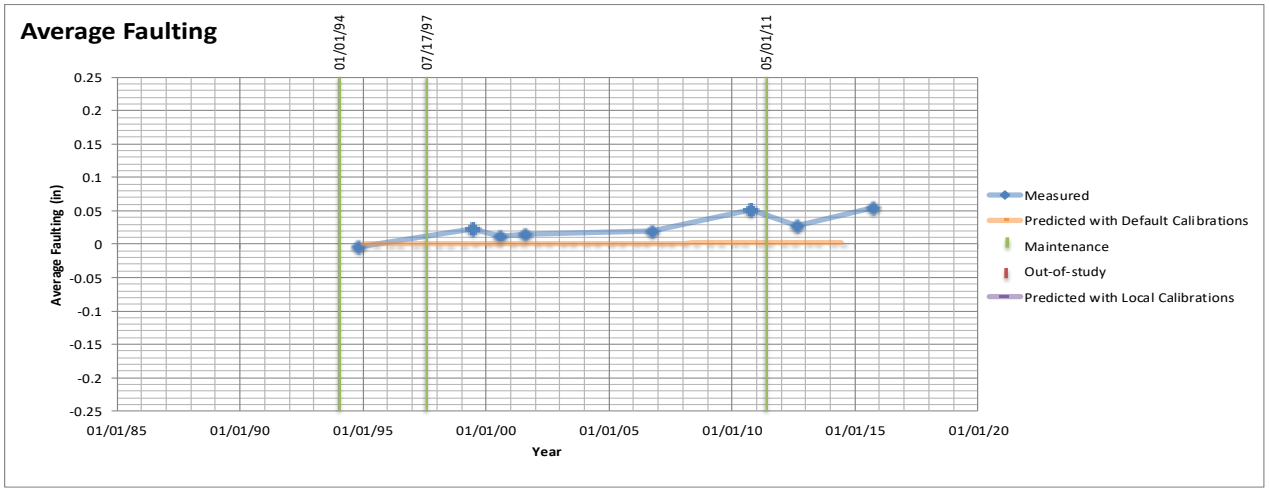


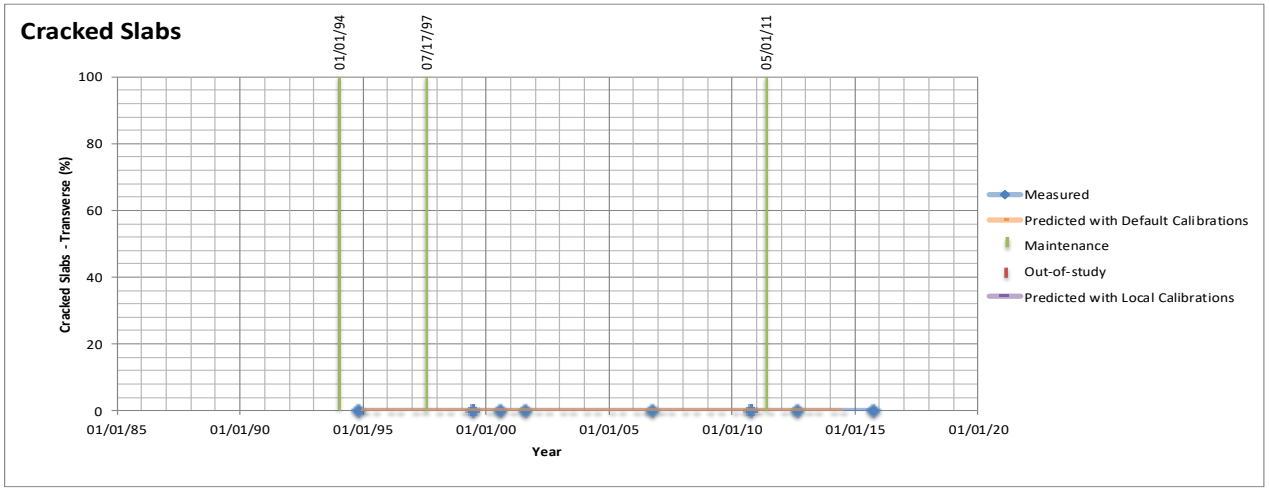


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-Sep-2001	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-Jun-2006	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
30-Sep-2009	Lane-Shoulder Longitudinal Joint Sealing; AC Shoulder Restoration
1-May-2011	Grinding Surface

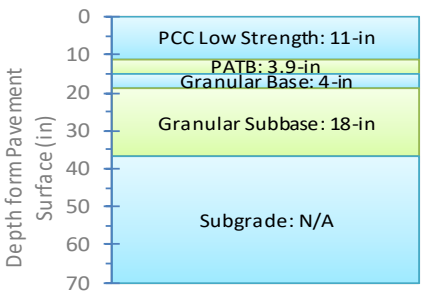


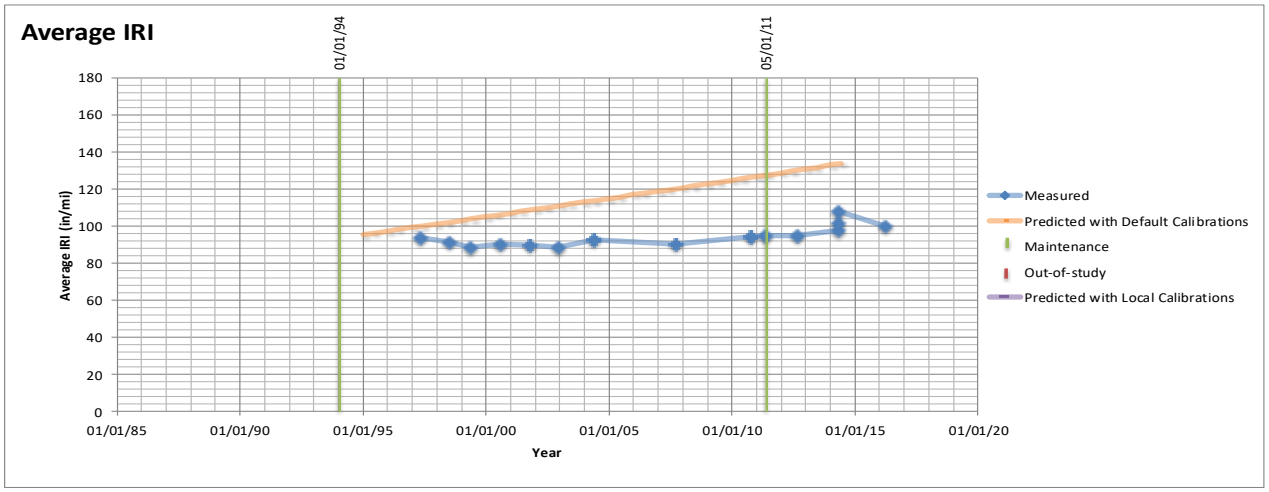


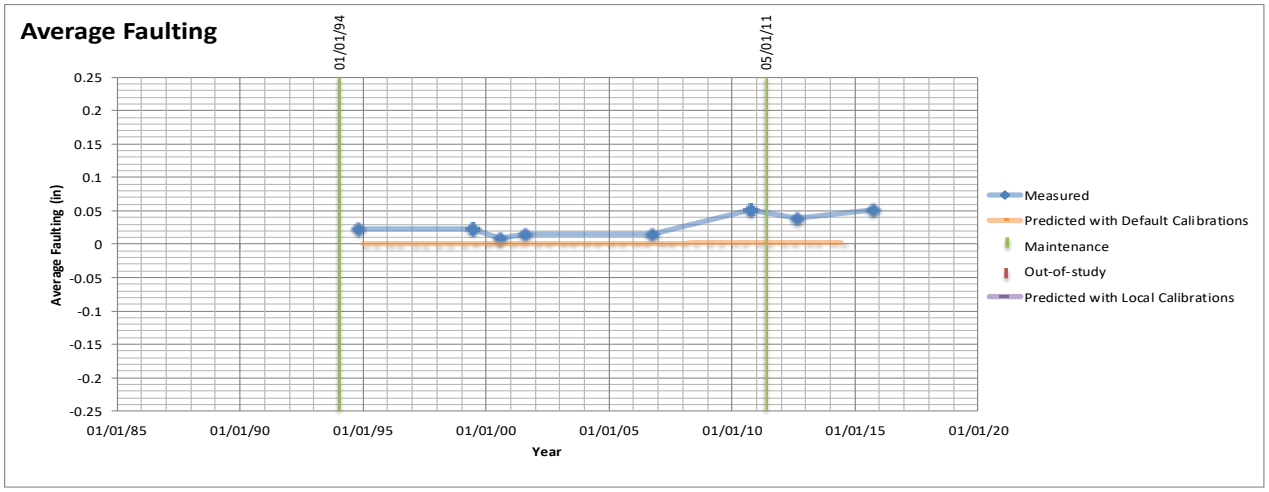


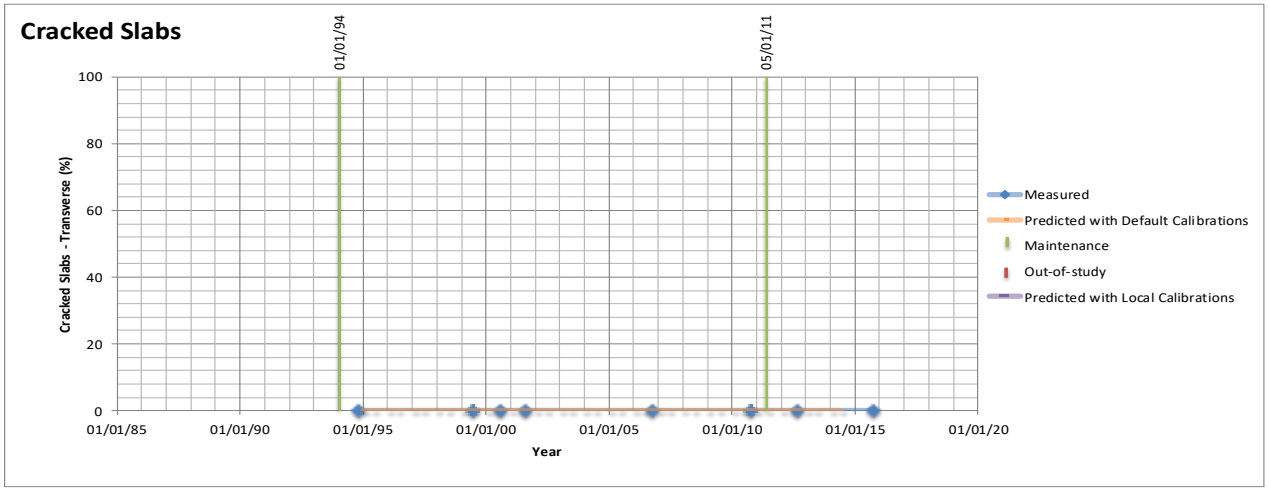


Date	Event
1-Jan-1994	In-study
17-Jul-1997	AC Shoulder Restoration
1-May-2011	Grinding Surface

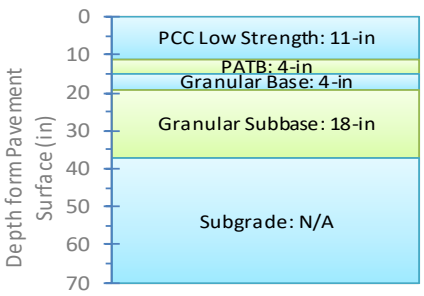




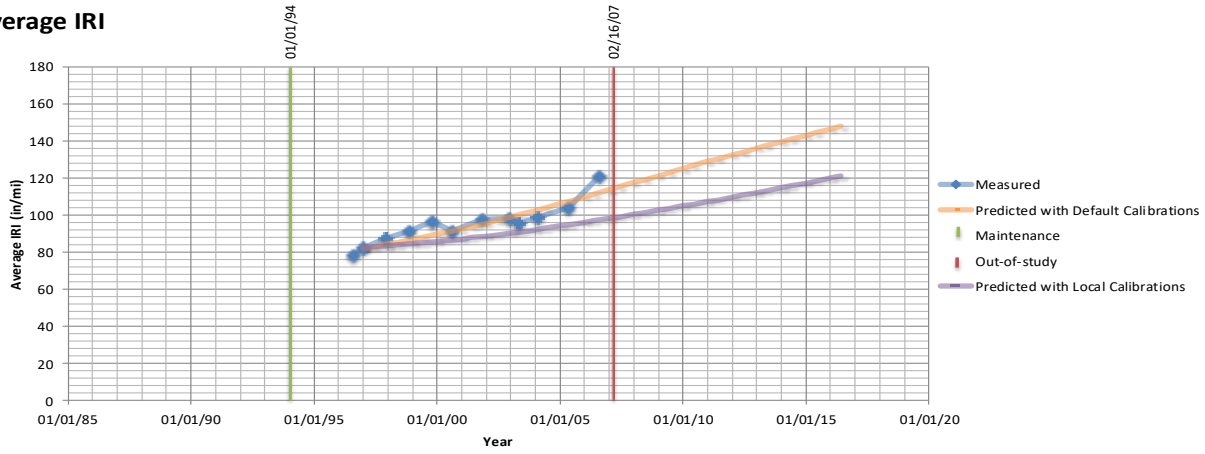




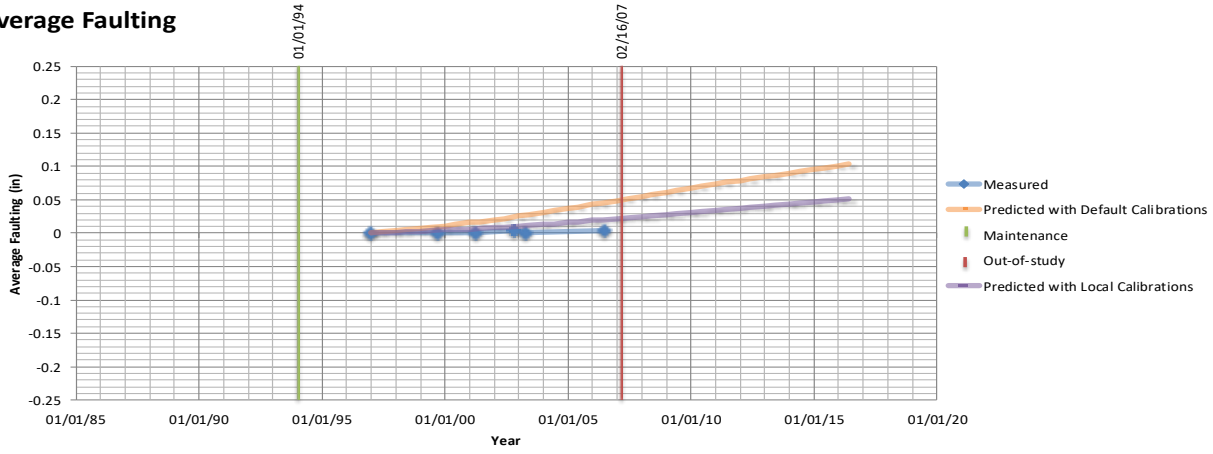
Date	Event
1-Jan-1994	In-study
1-May-2011	Grinding Surface



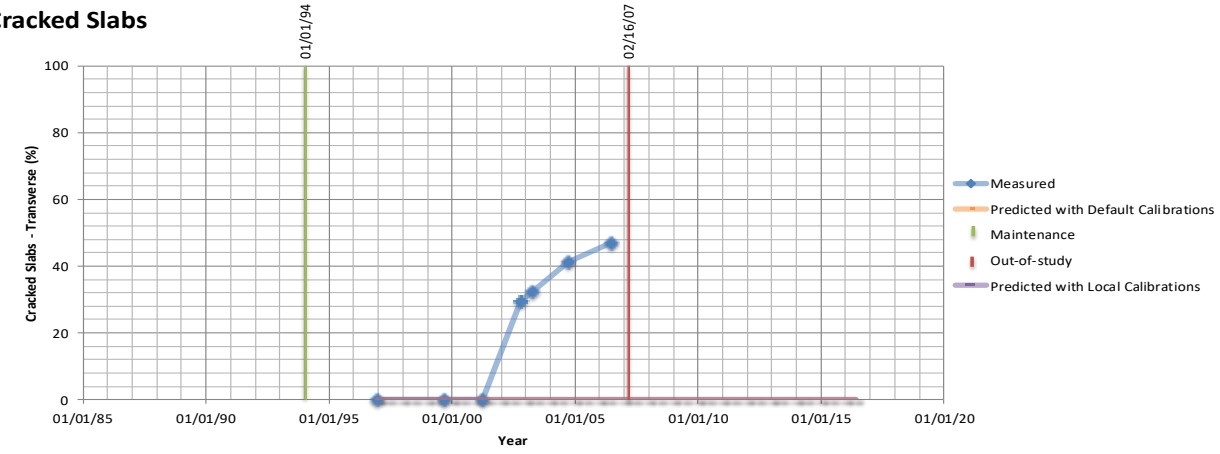
Average IRI



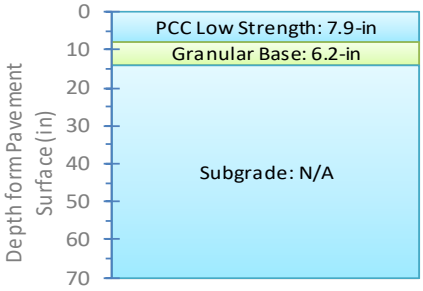
Average Faulting

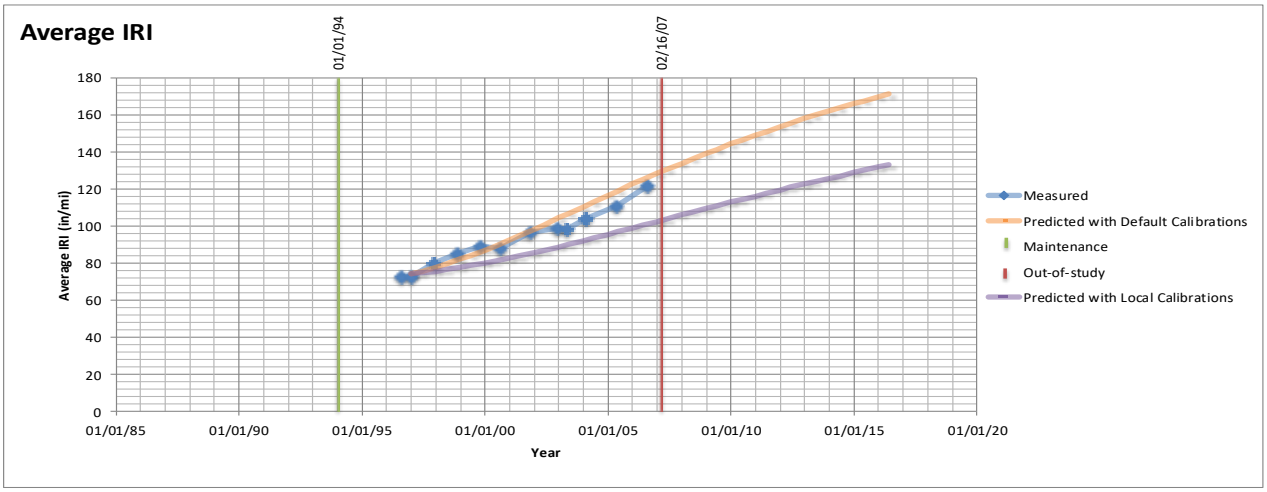


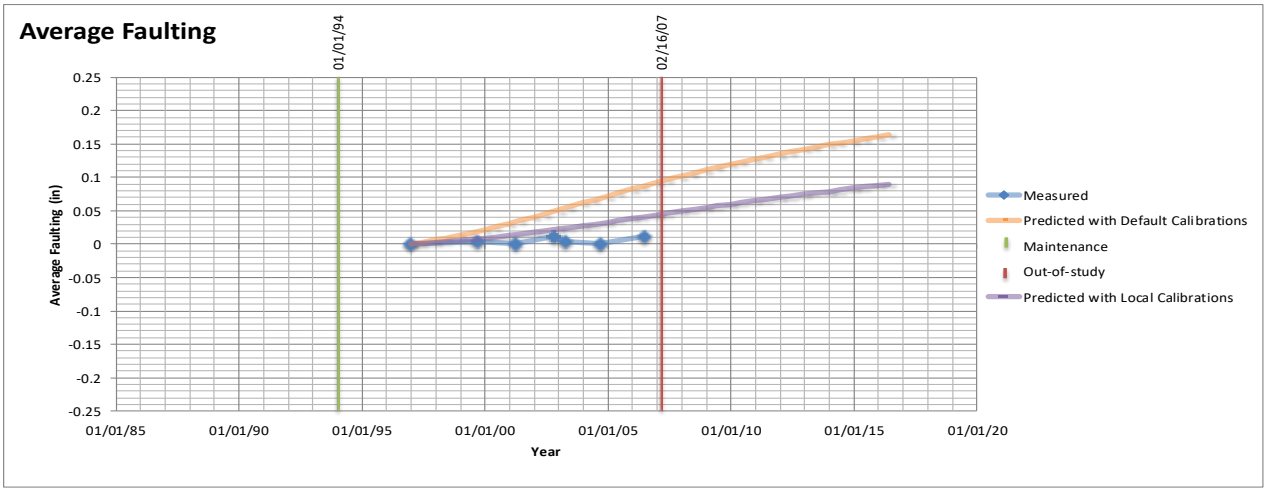
Cracked Slabs

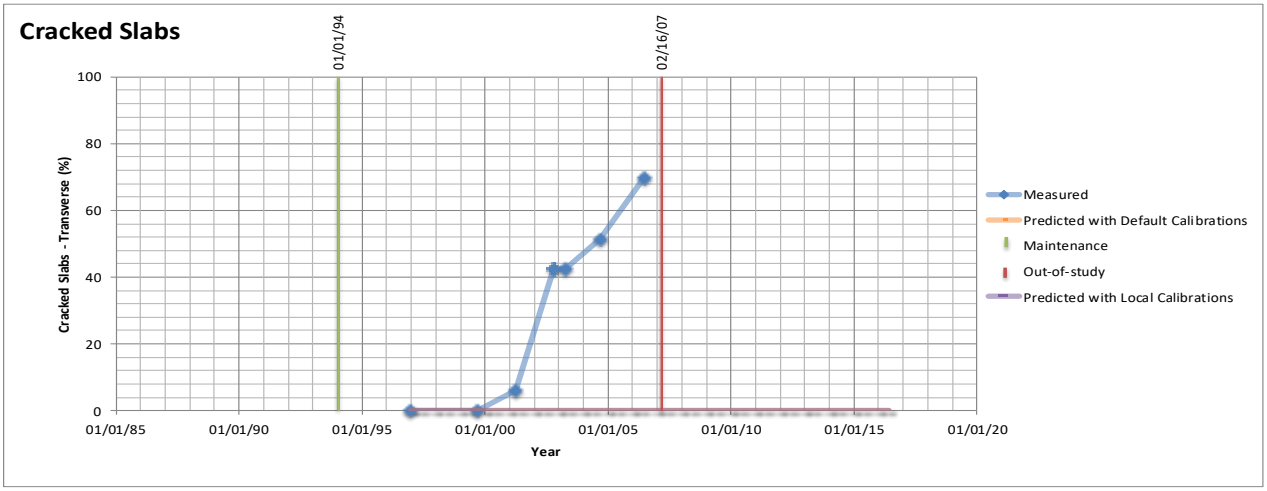


Date	Event
1-Jan-1994	In-study
16-Feb-2007	Out-of-study

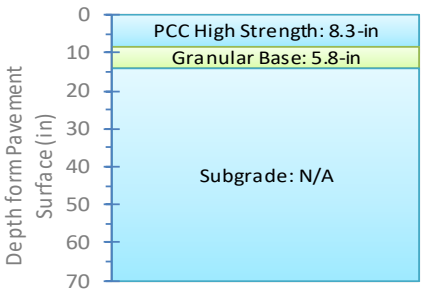


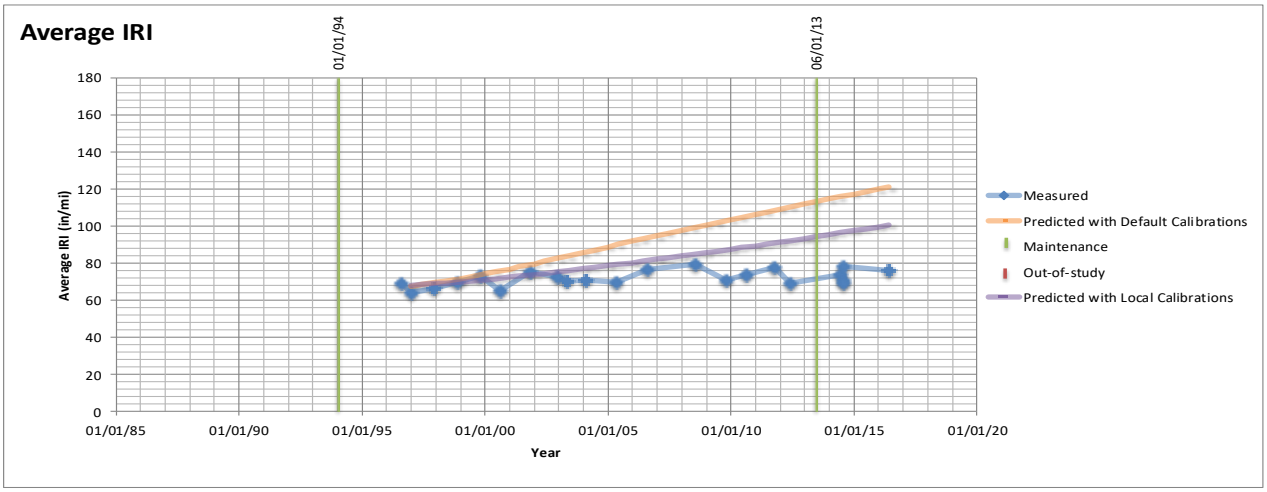


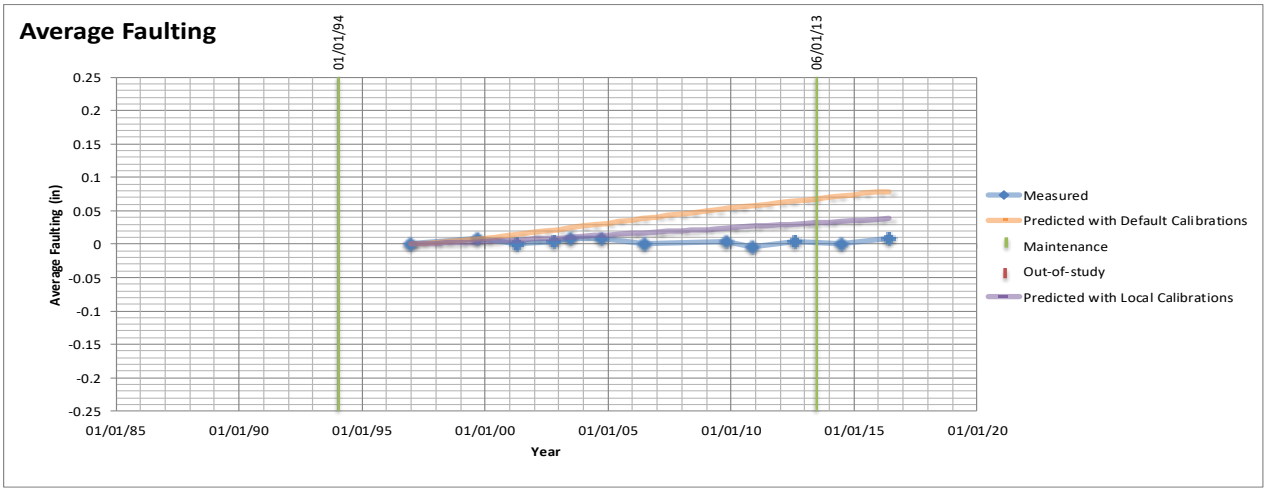


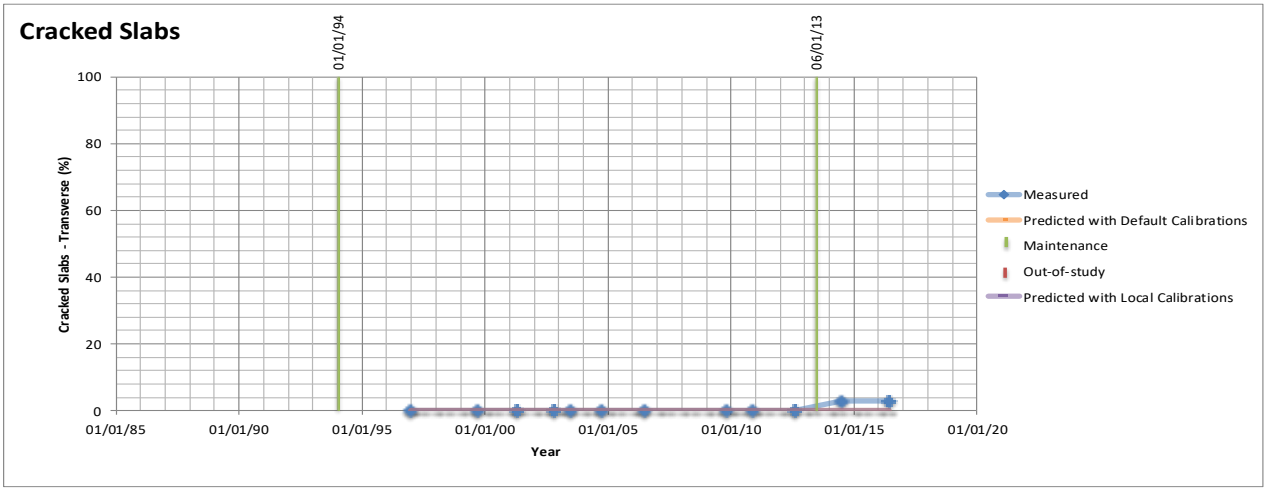


Date	Event
1-Jan-1994	In-study
16-Feb-2007	Out-of-study

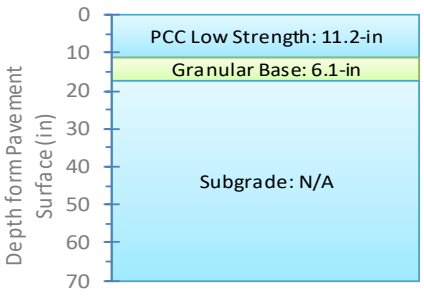


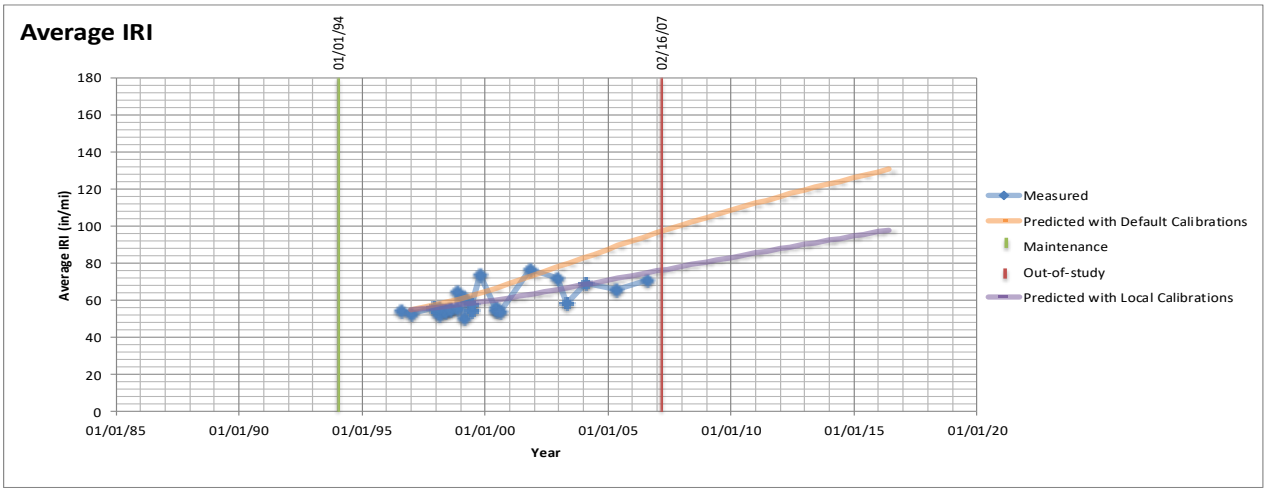


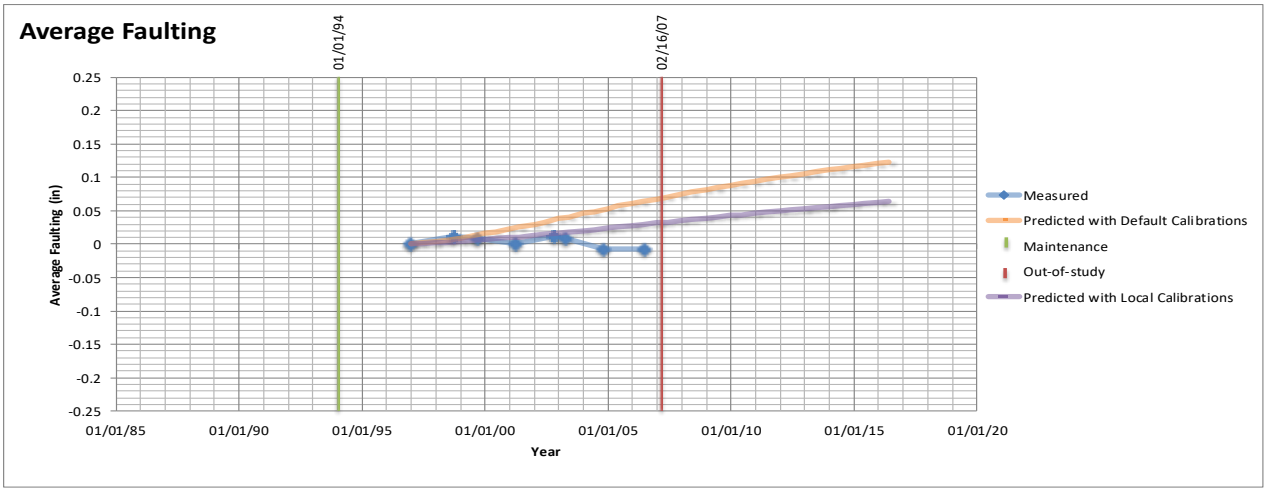


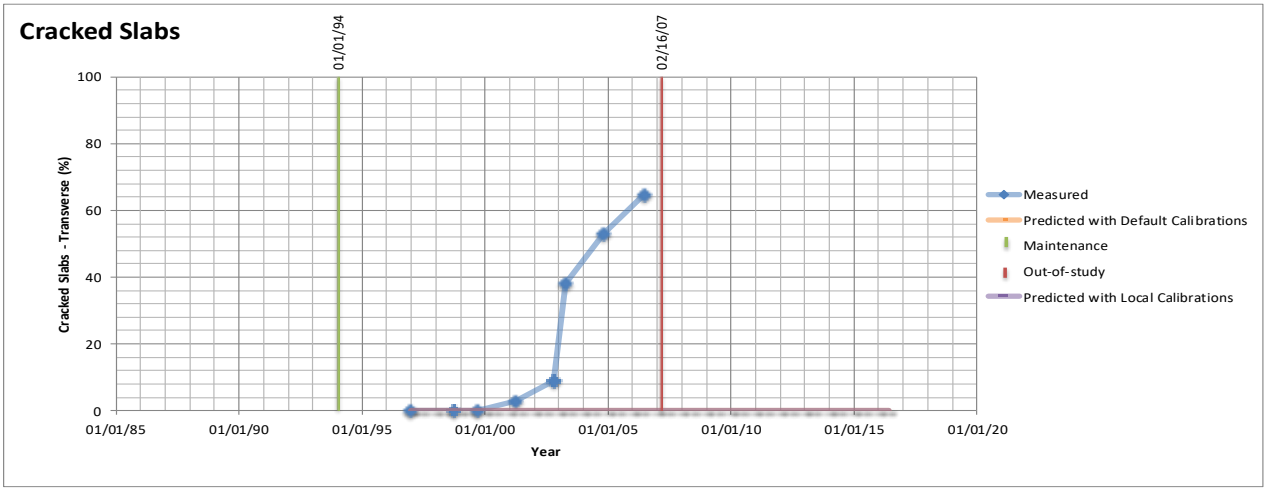


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration; Grinding Surface

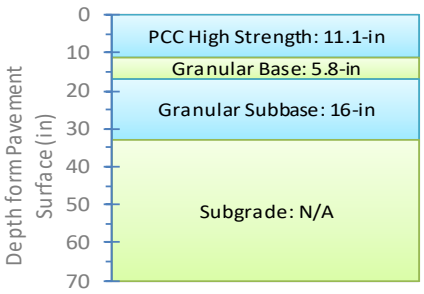


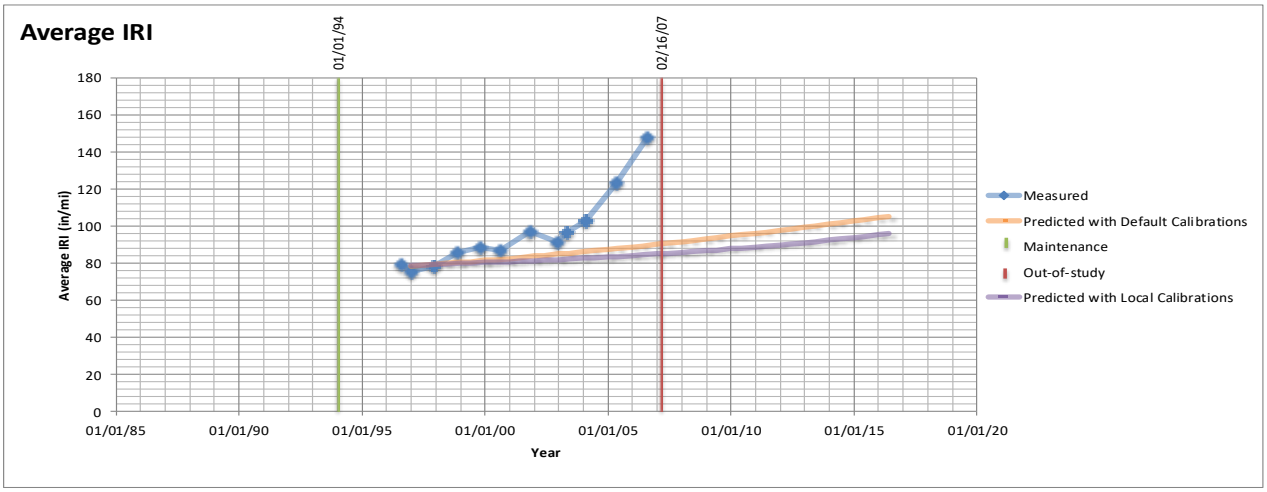


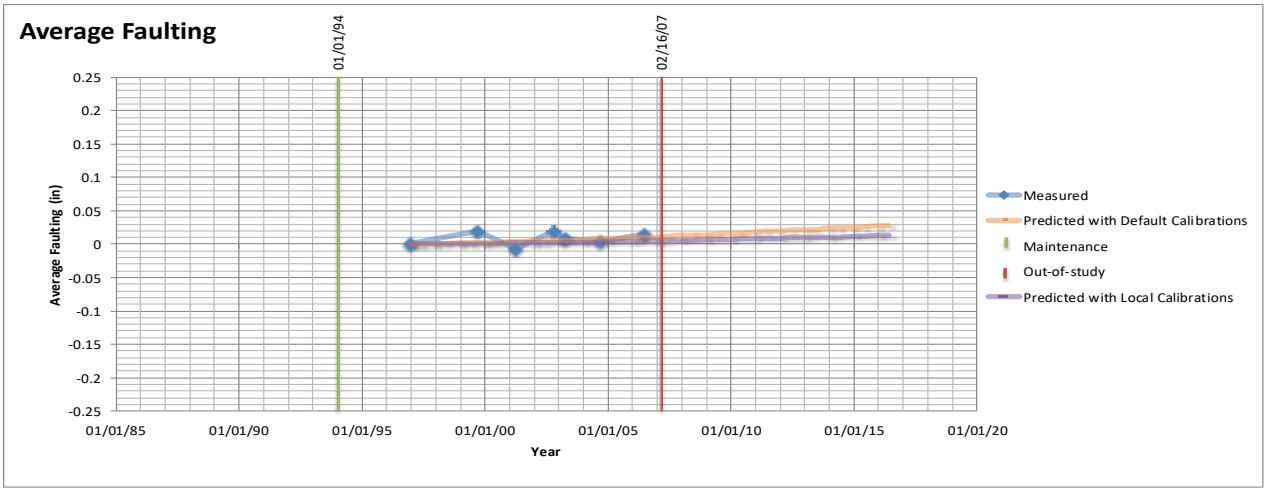


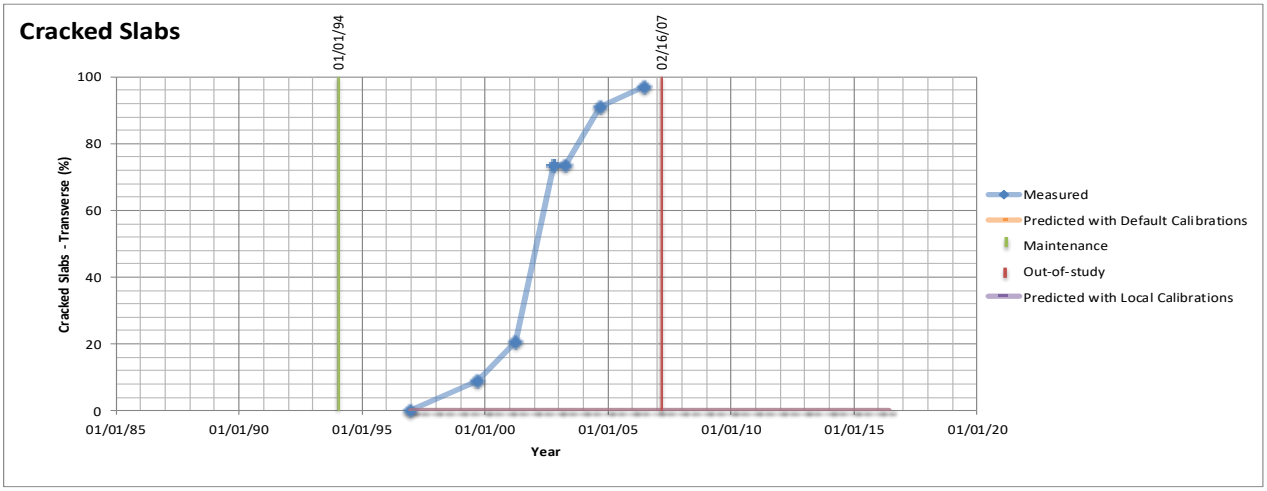


Date	Event
1-Jan-1994	In-study
16-Feb-2007	Out-of-study

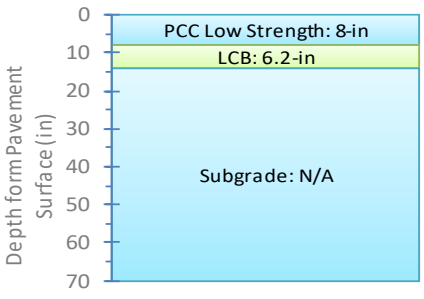




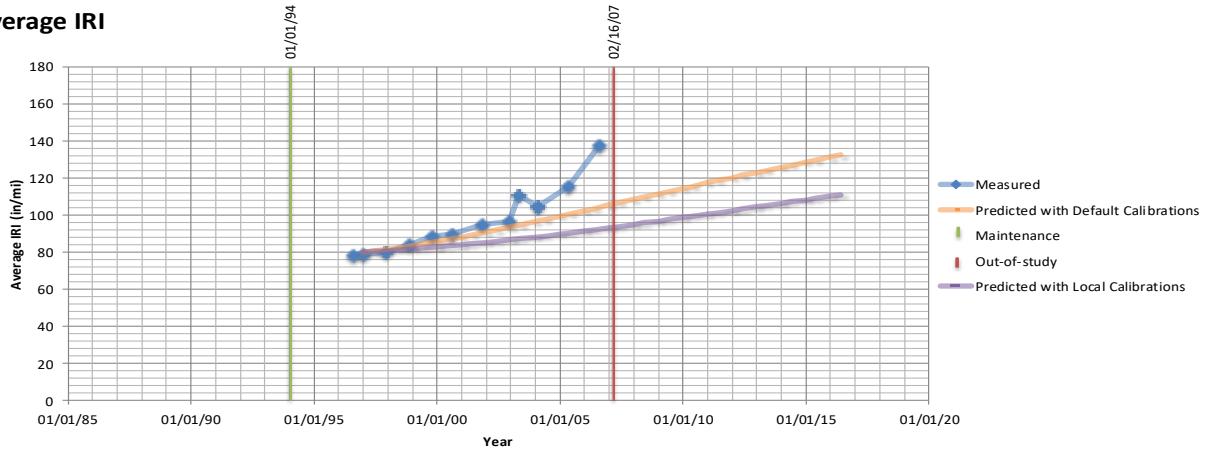




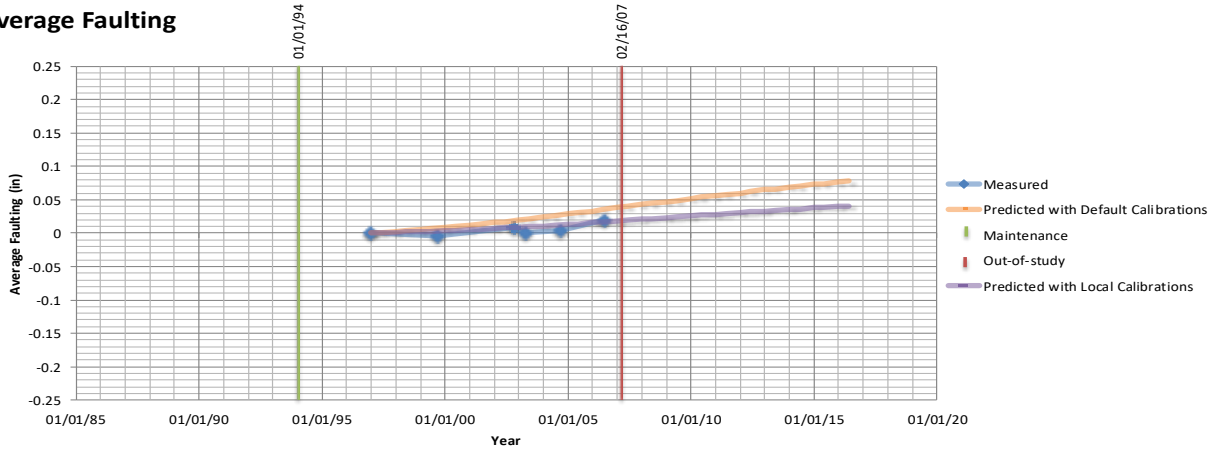
Date	Event
1-Jan-1994	In-study
16-Feb-2007	Out-of-study



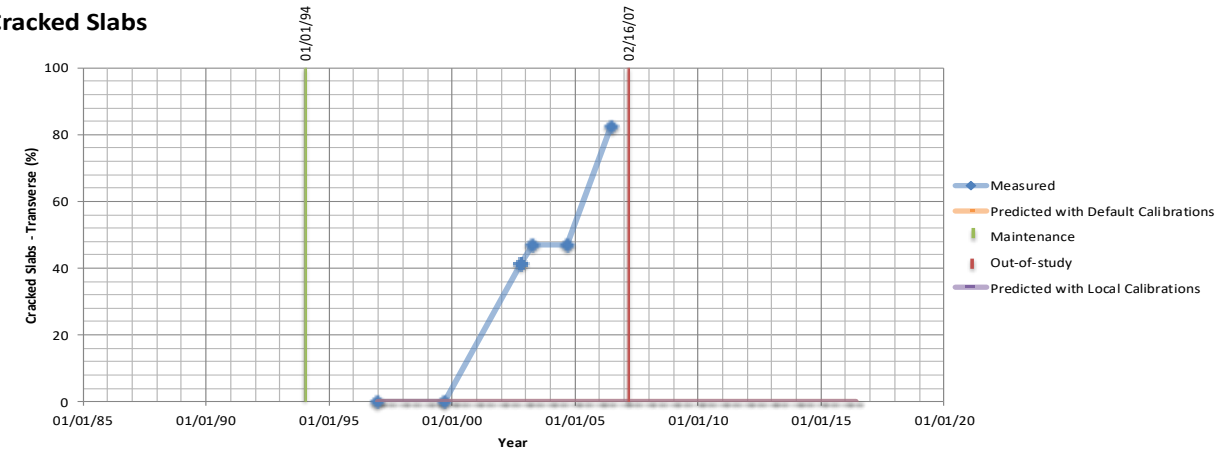
Average IRI



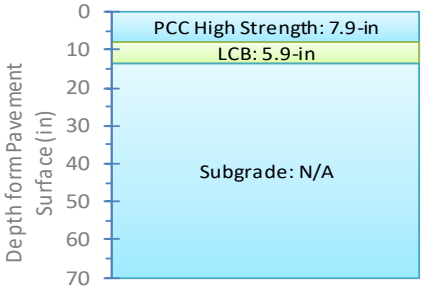
Average Faulting

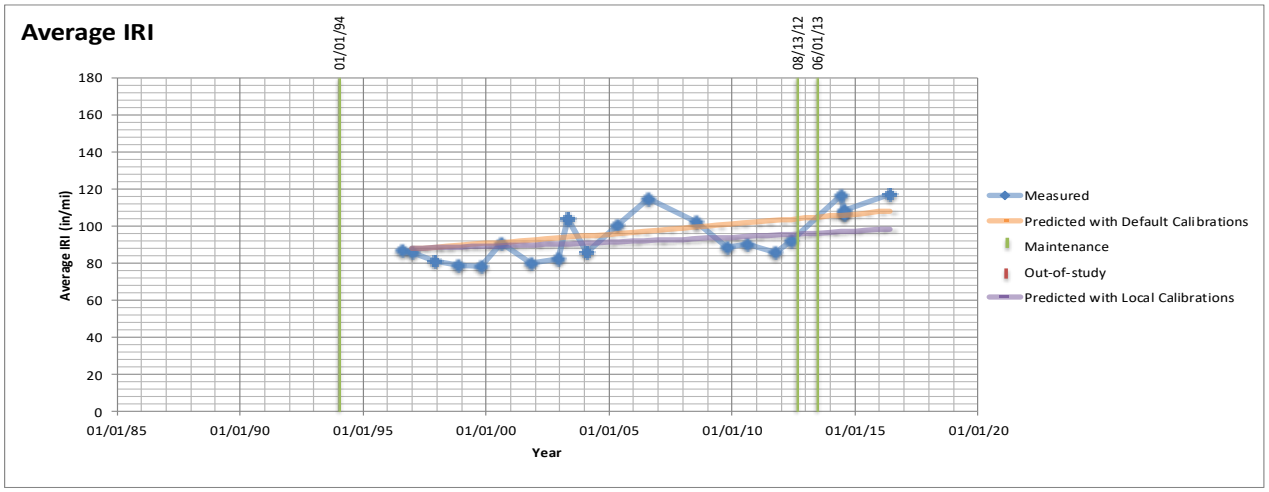


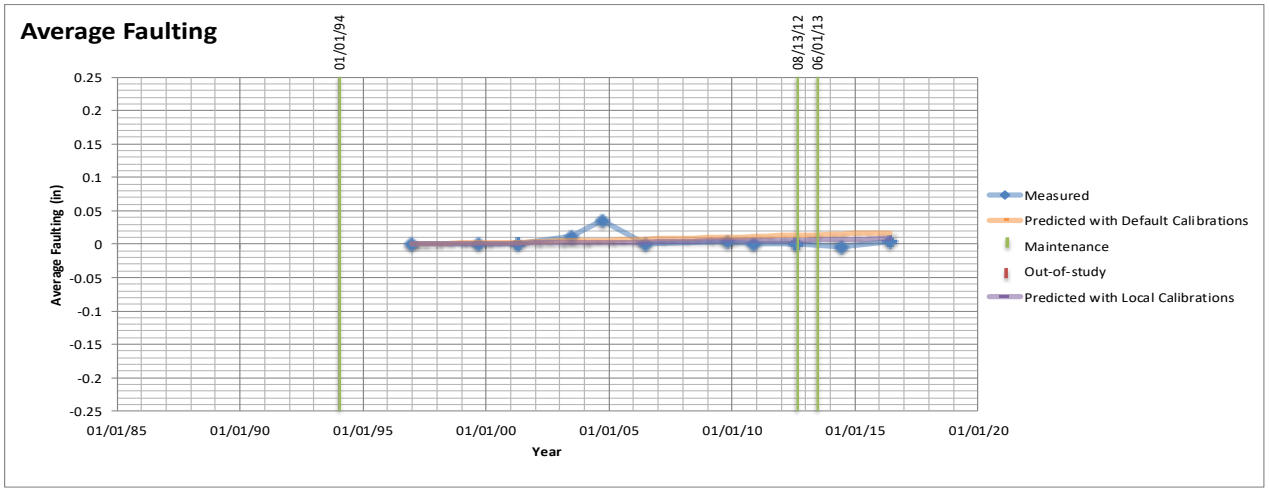
Cracked Slabs

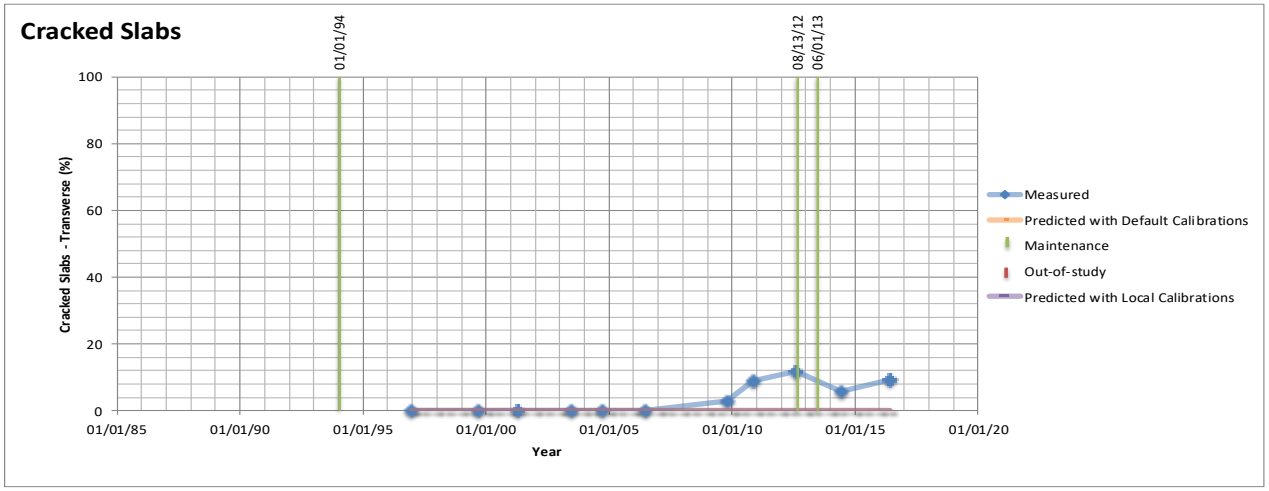


Date	Event
1-Jan-1994	In-study
16-Feb-2007	Out-of-study

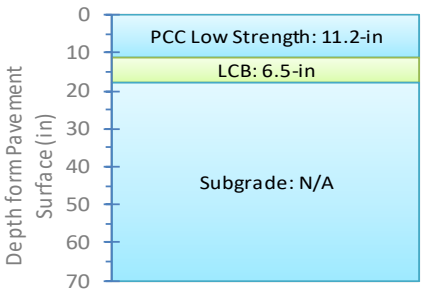


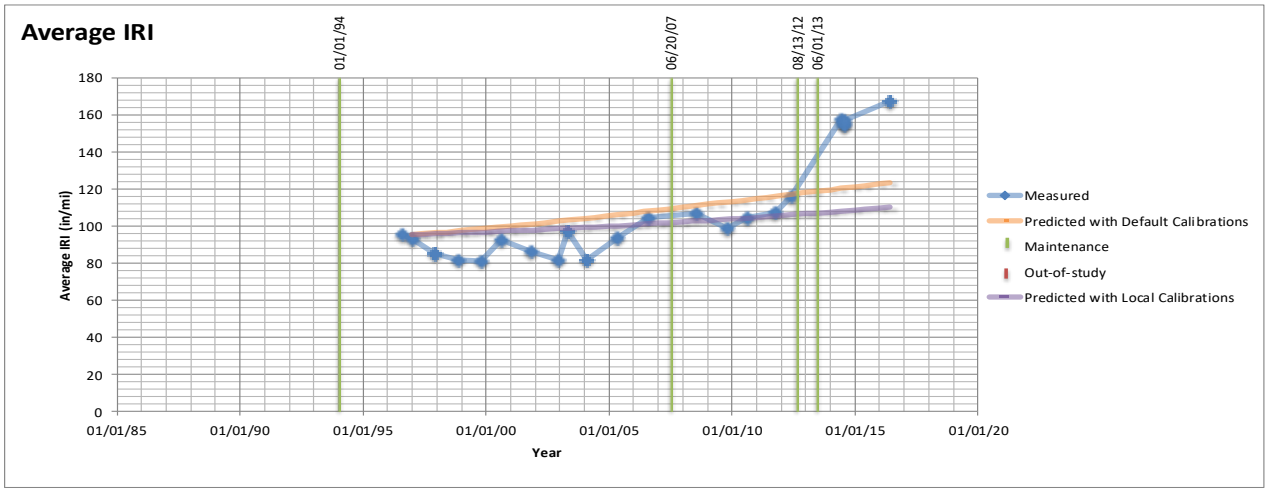


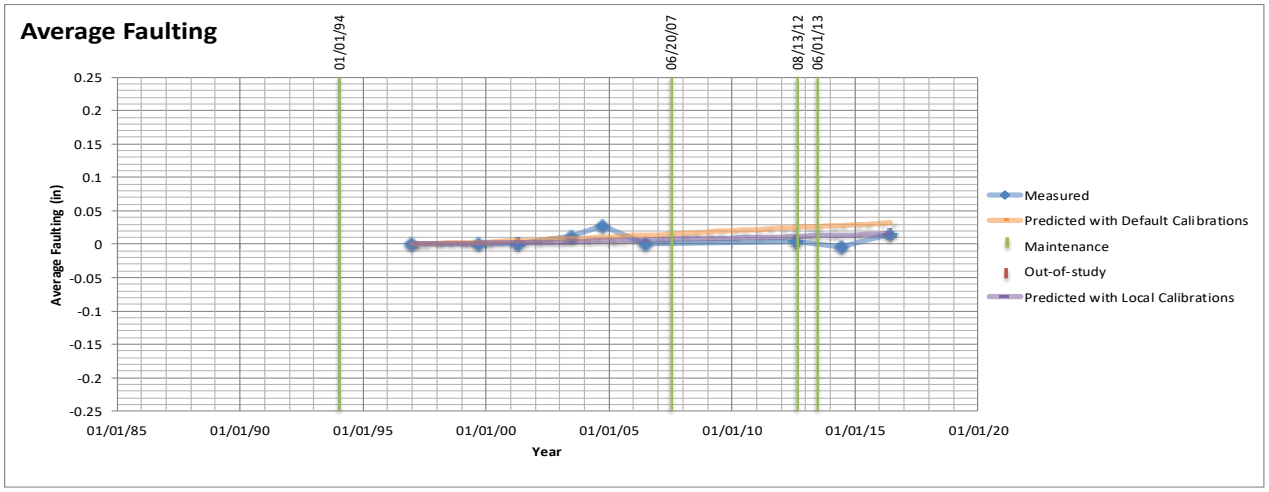


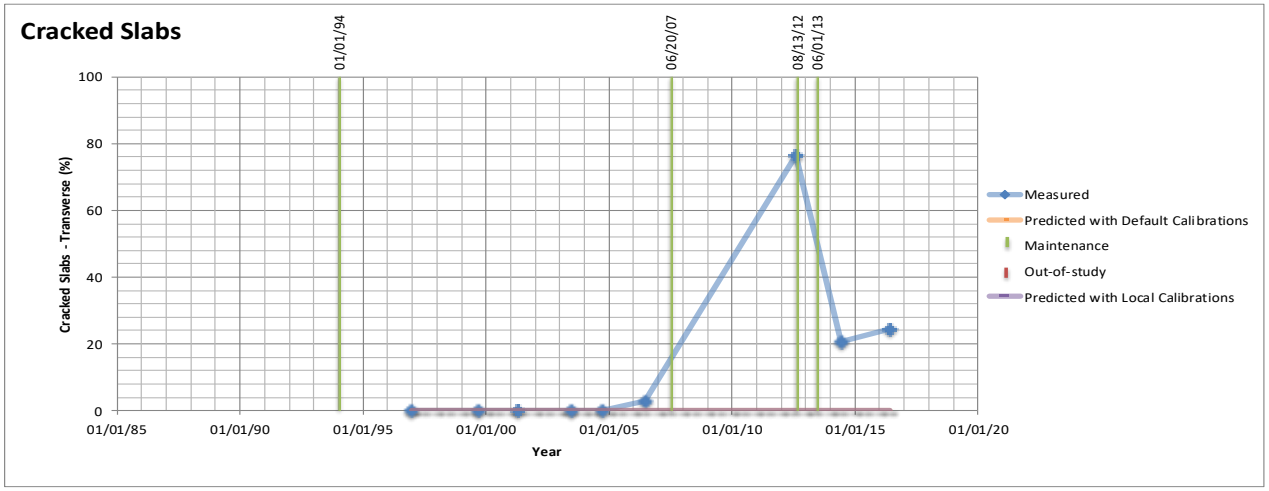


Date	Event
1-Jan-1994	In-study
13-Aug-2012	Full Depth Transverse Joint Repair Patch; Full Depth Patching of PCC Pavement
1-Jun-2013	PCC Slab Replacement; AC Shoulder Restoration; Other

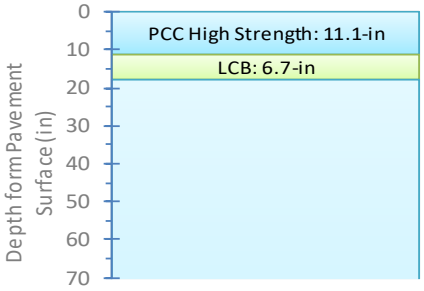


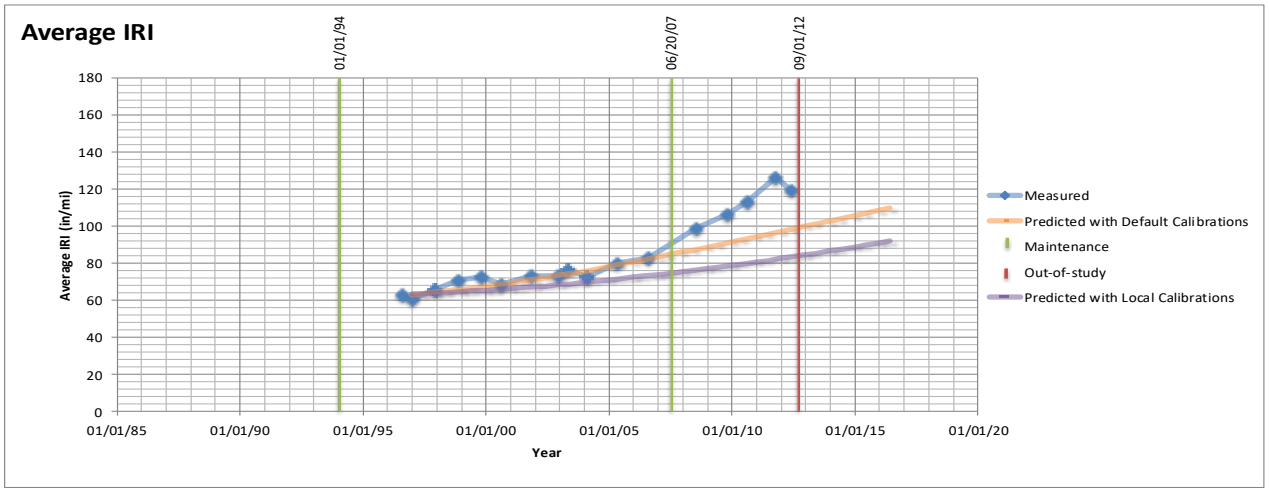


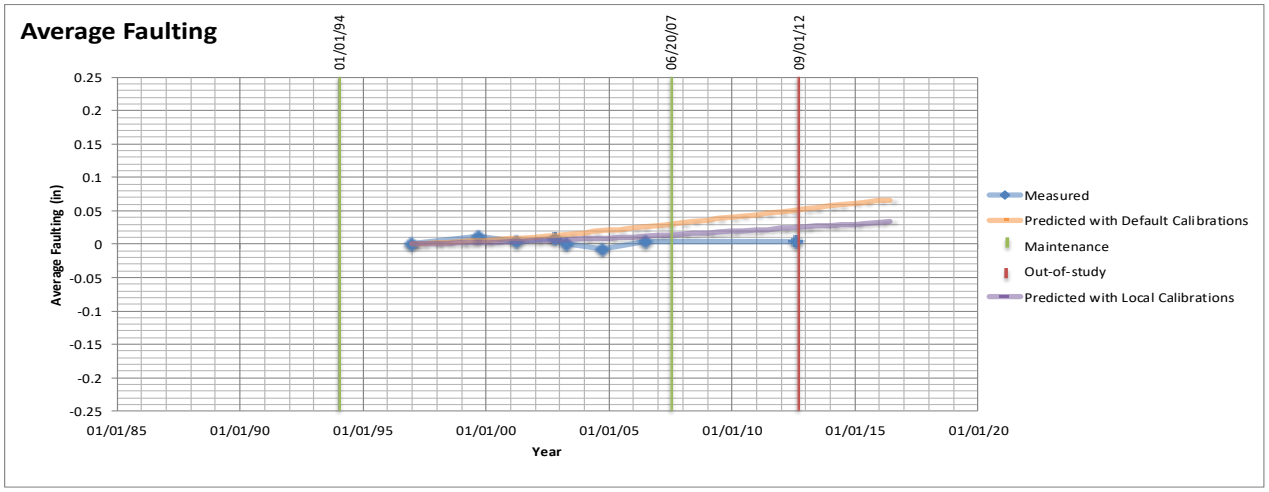


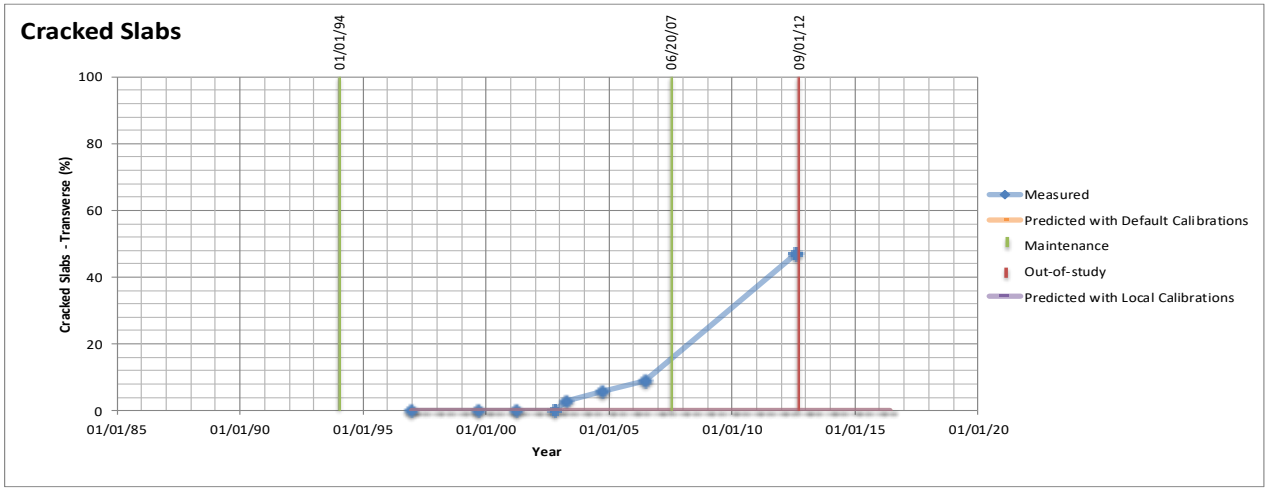


Date	Event
1-Jan-1994	In-study
20-Jun-2007	Full Depth Transverse Joint Repair Patch; Joint Load Transfer Restoration in PCC
13-Aug-2012	Full Depth Transverse Joint Repair Patch; Full Depth Patching of PCC Pavement
1-Jun-2013	Full Depth Patching of PCC Pavement Other Than at Joint; PCC Slab Replacement;

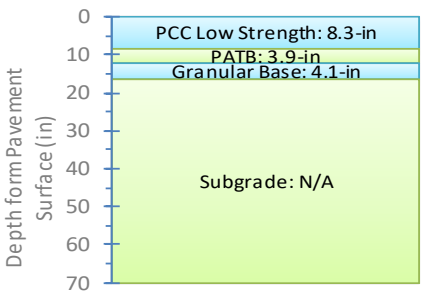


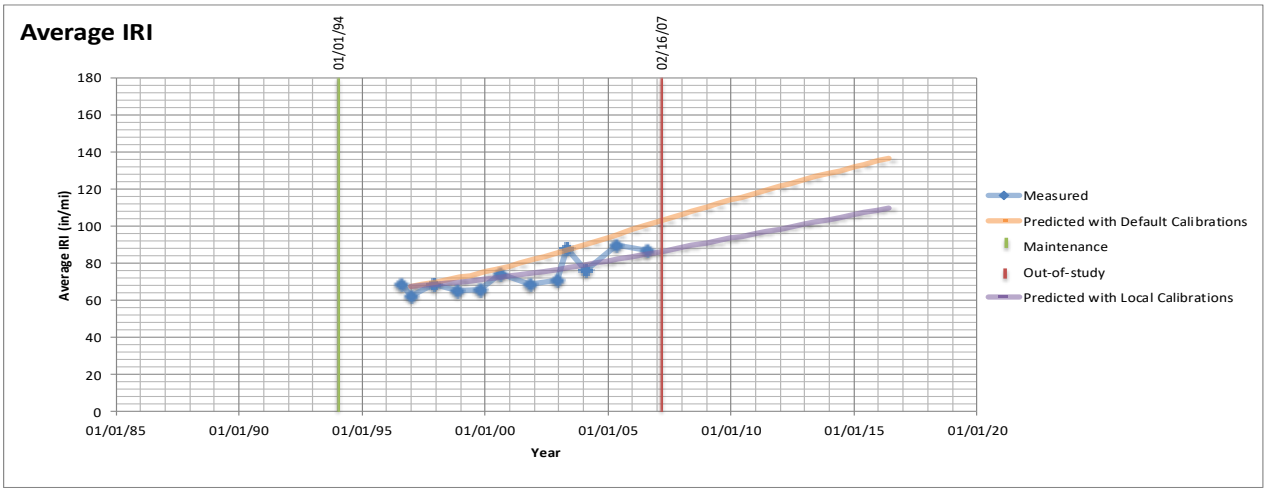


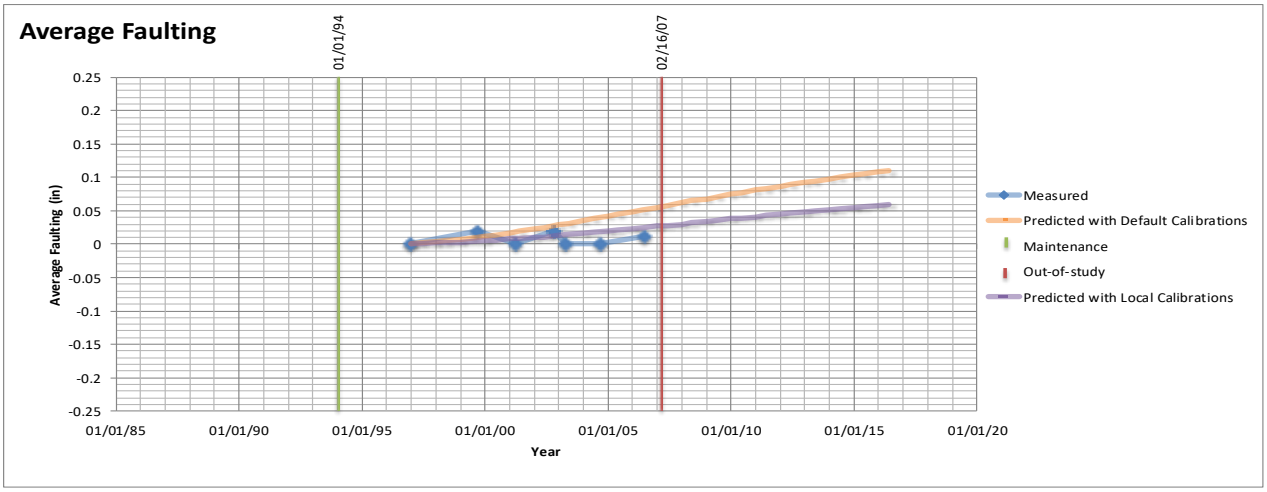


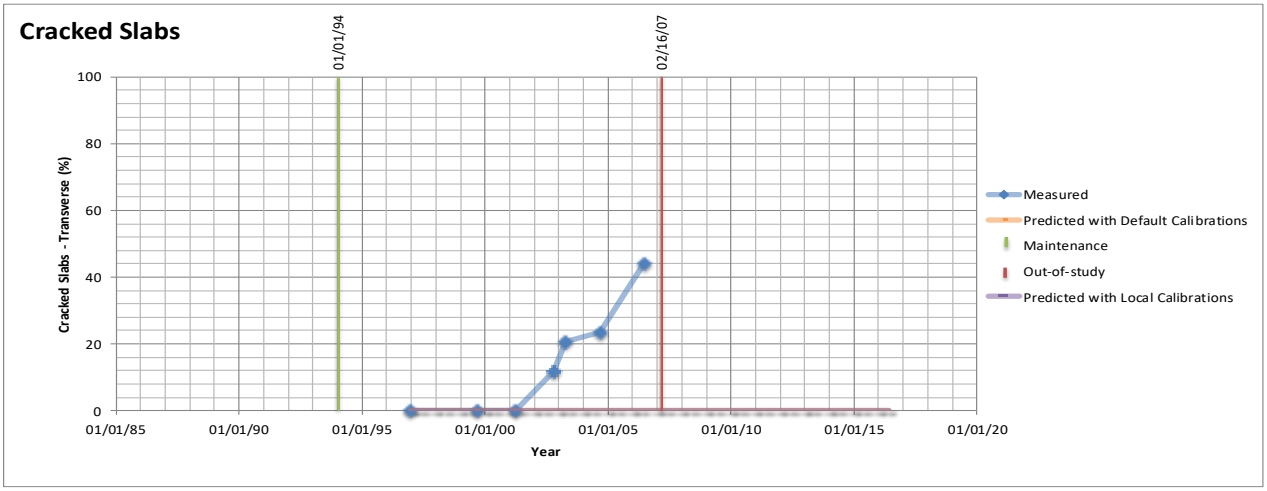


Date	Event
1-Jan-1994	In-study
20-Jun-2007	Full Depth Transverse Joint Repair Patch; Other
1-Sep-2012	Out-of-study

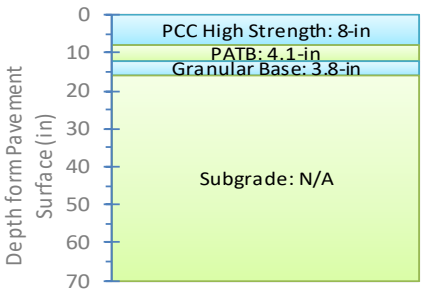


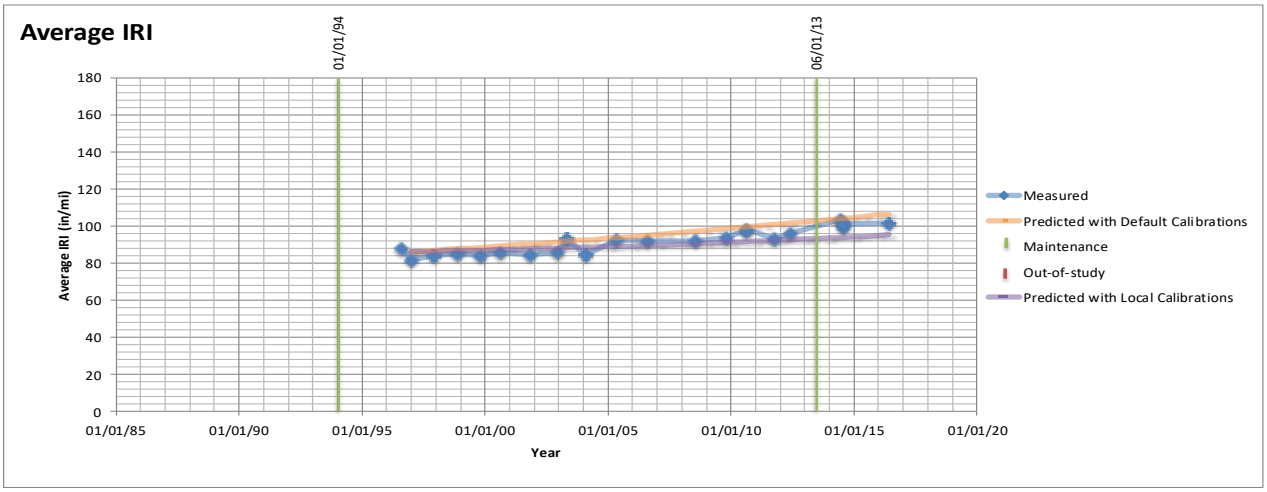


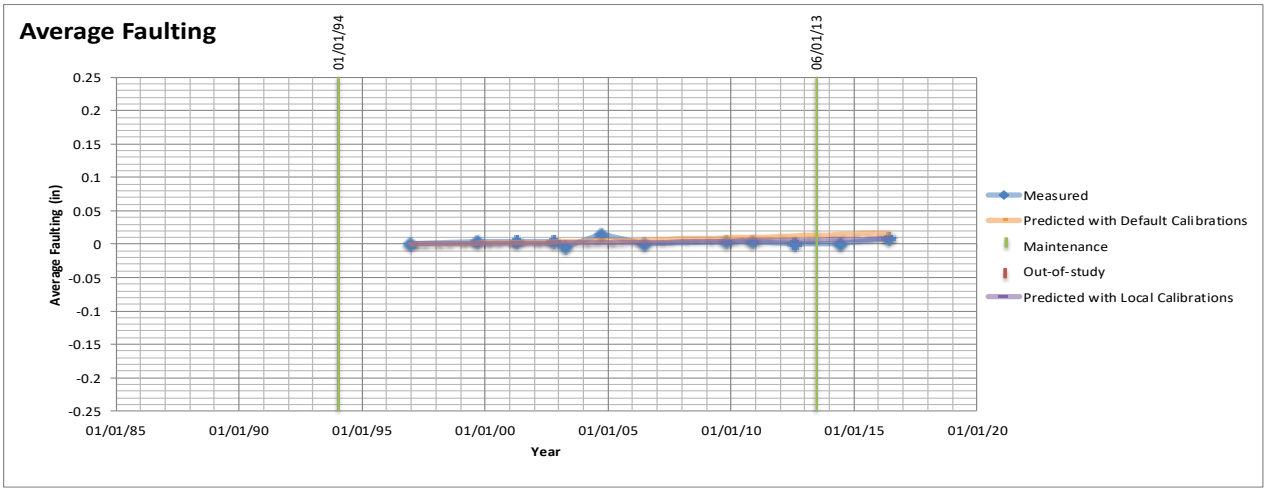


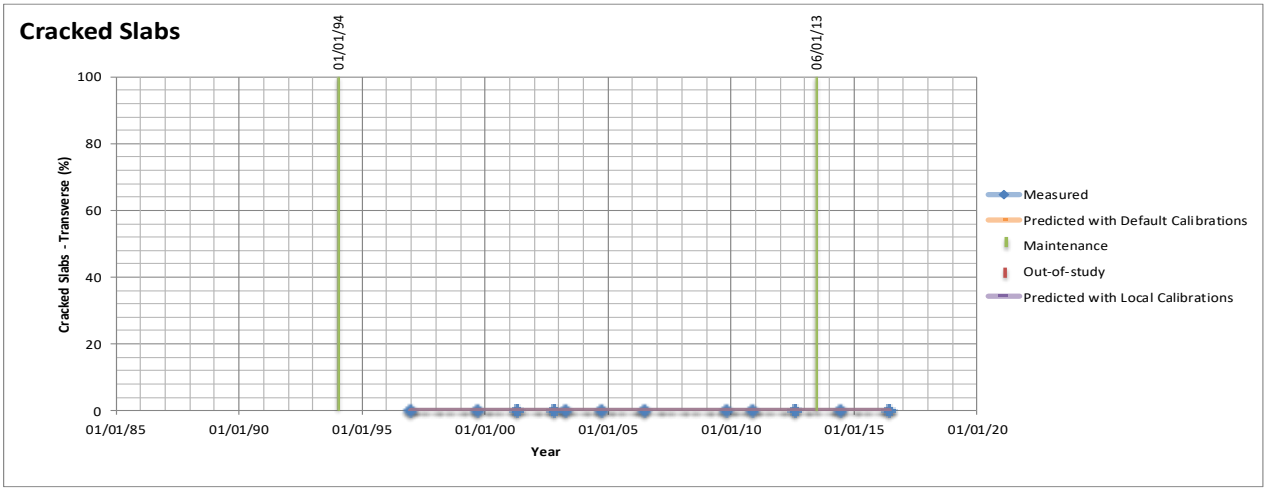


Date	Event
1-Jan-1994	In-study
16-Feb-2007	Out-of-study

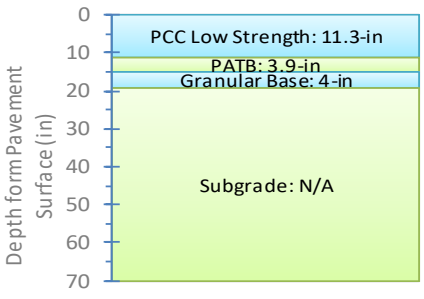


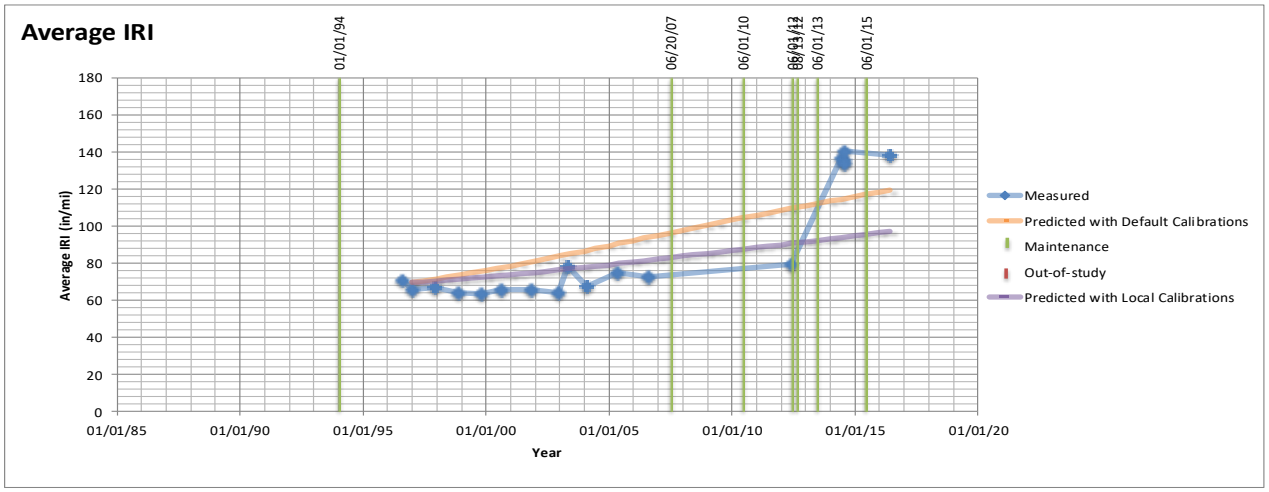


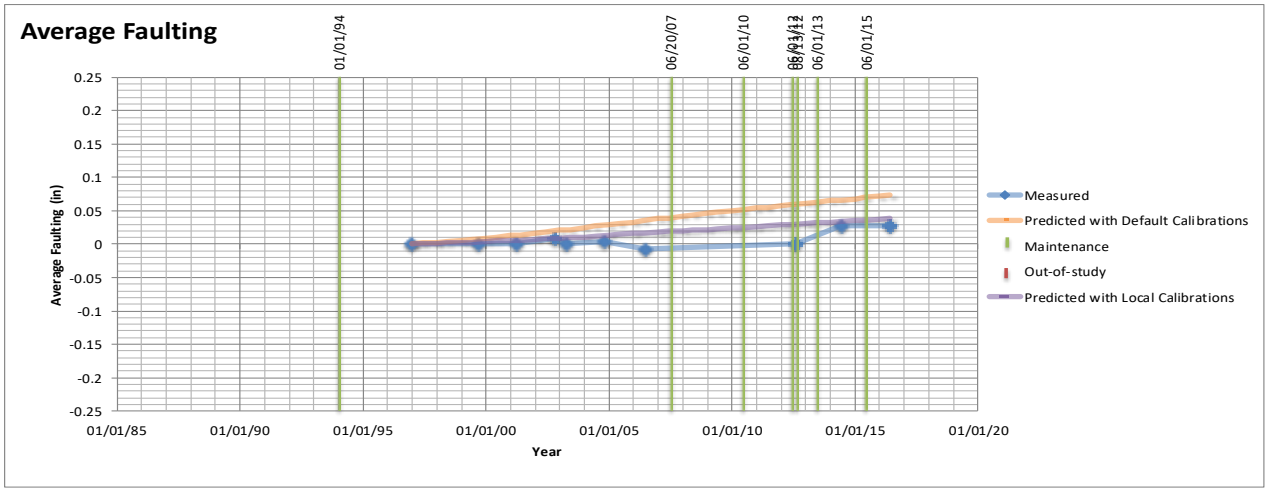


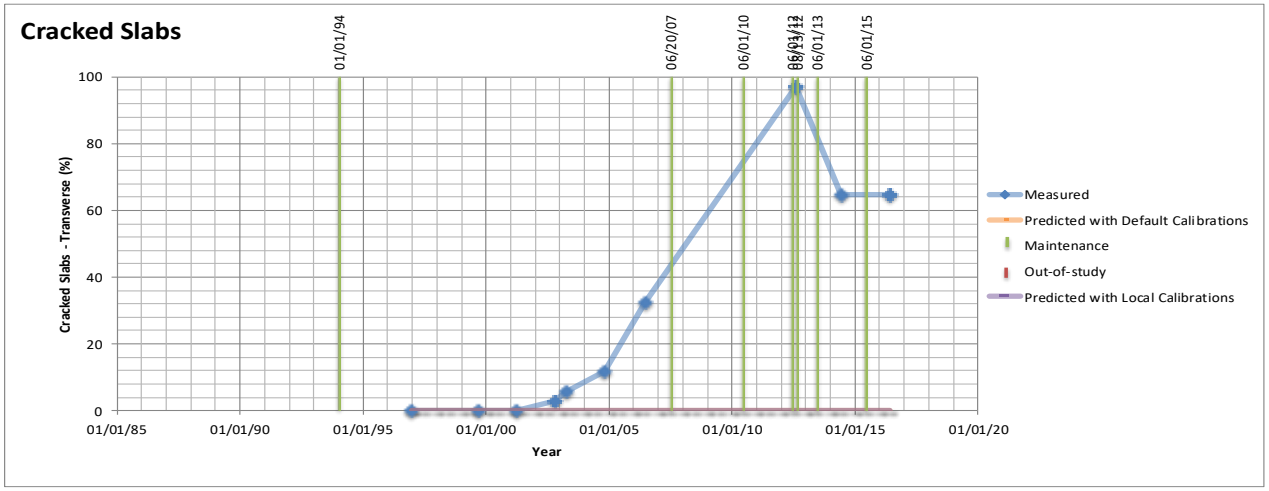


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration

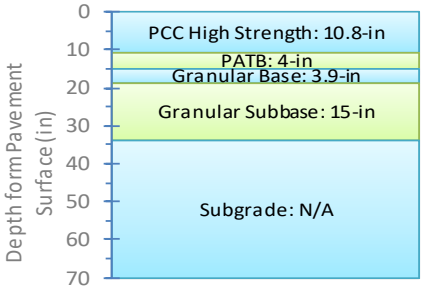


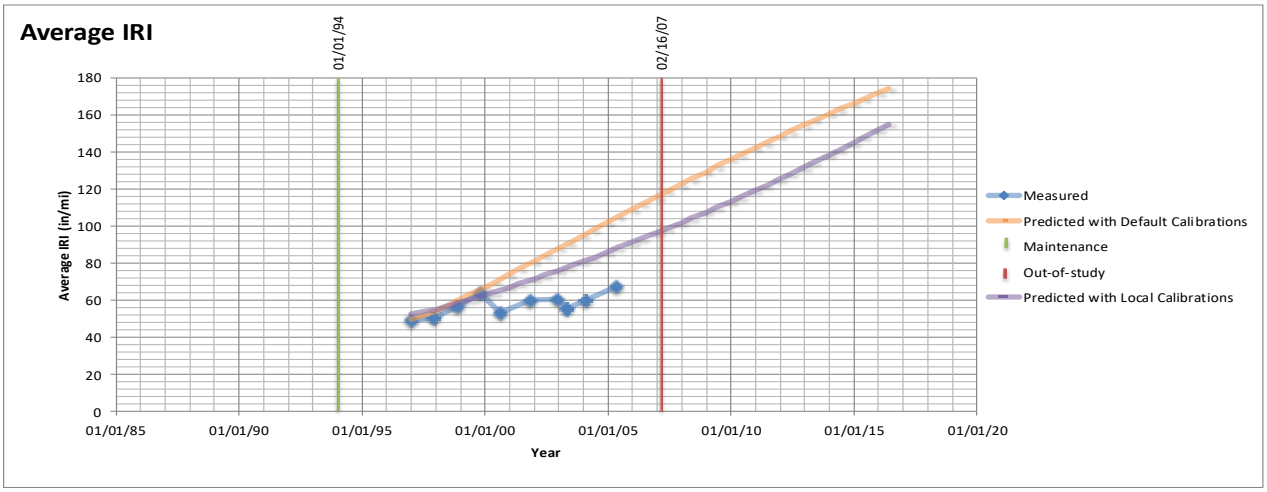


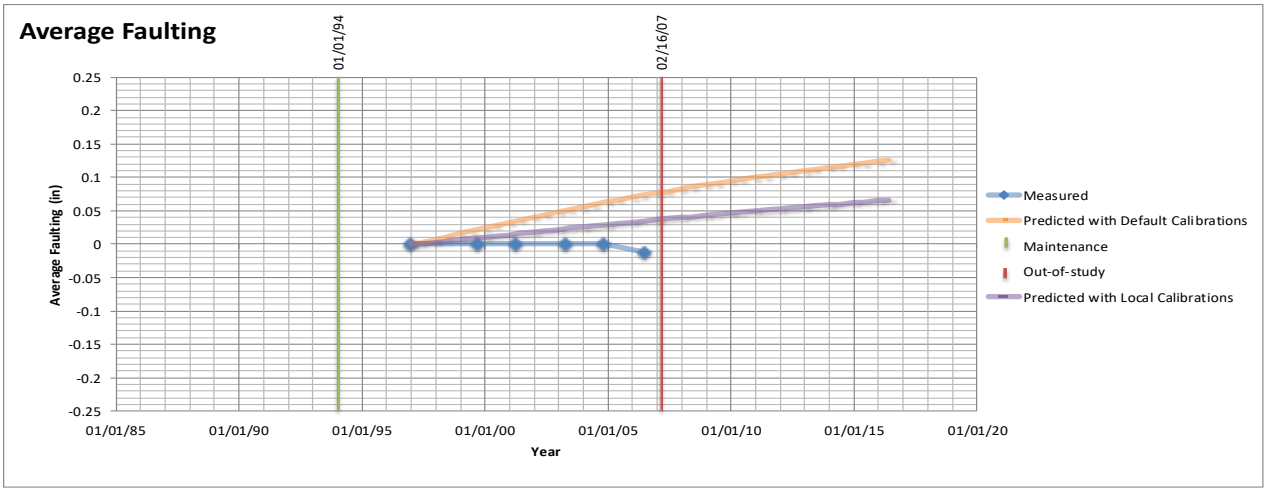


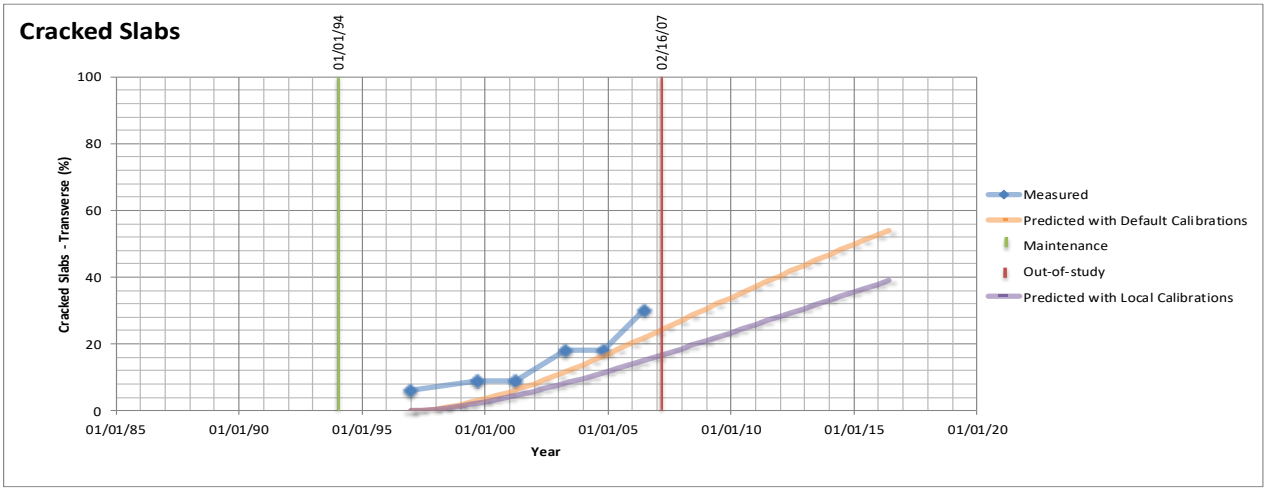


Date	Event
1-Jan-1994	In-study
20-Jun-2007	Full Depth Transverse Joint Repair Patch; Joint Load Transfer Restoration in PCC
1-Jun-2010	Partial Depth Patching of PCC Pavement Other Than at Joint
1-Jun-2012	Partial Depth Patching of PCC Pavement Other Than at Joint
13-Aug-2012	Full Depth Transverse Joint Repair Patch; Full Depth Patching of PCC Pavement
1-Jun-2013	PCC Slab Replacement; AC Shoulder Restoration; Other
1-Jun-2015	Patch Pot Holes - Hand Spread, Compacted with Truck

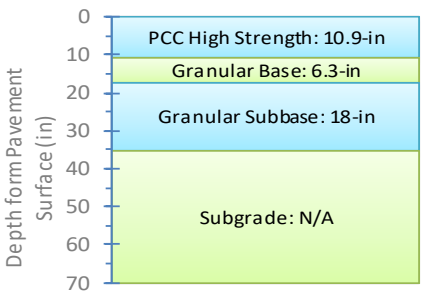


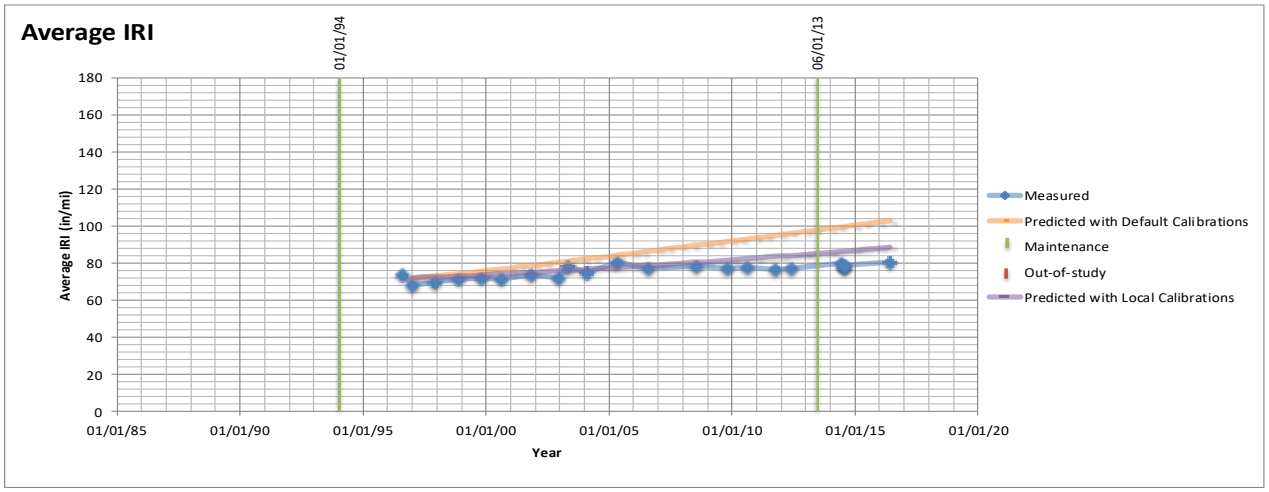


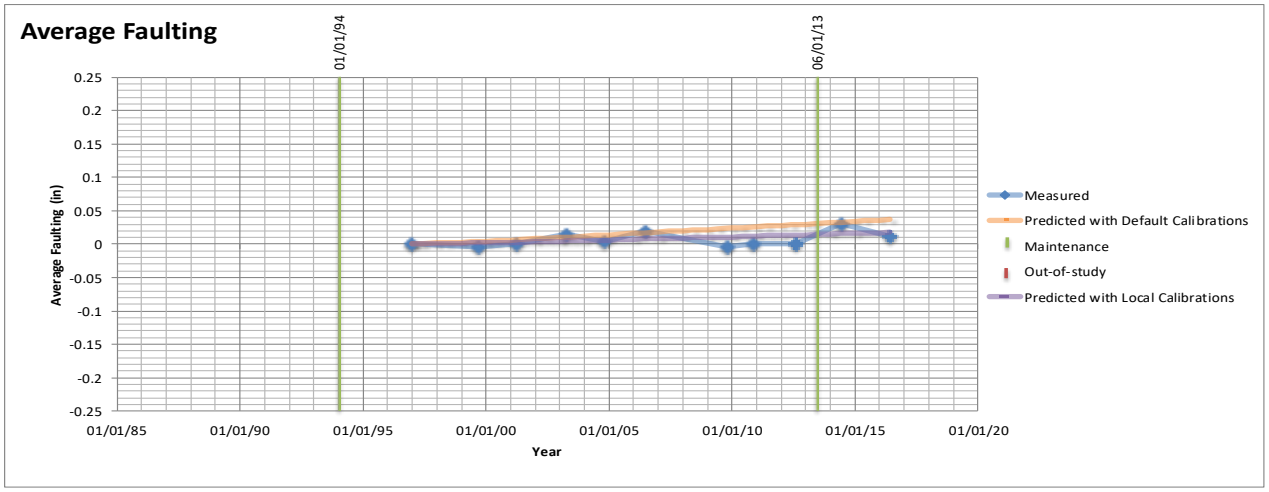


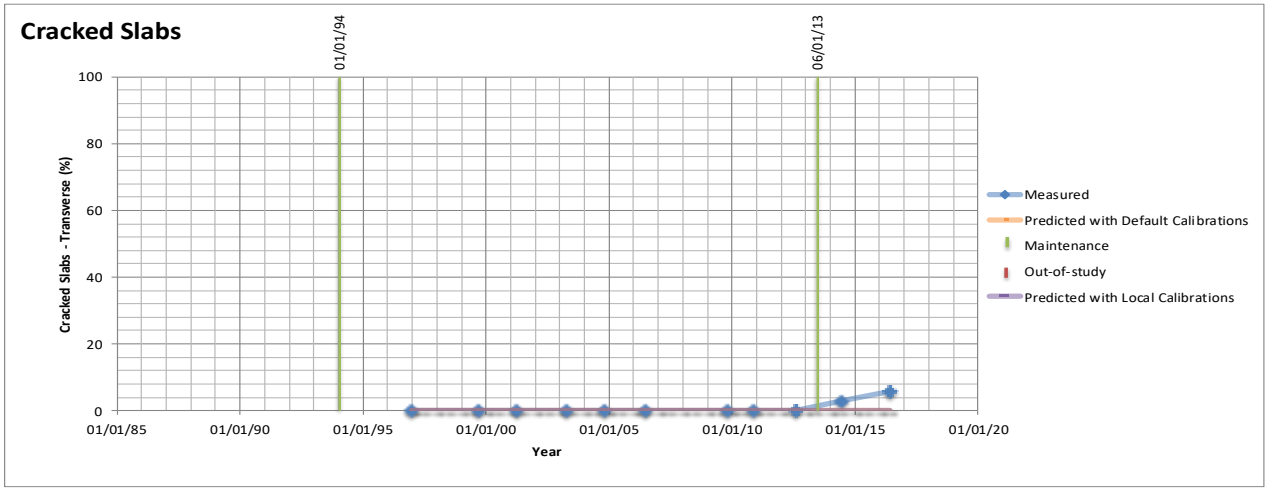


Date	Event
1-Jan-1994	In-study
16-Feb-2007	Out-of-study

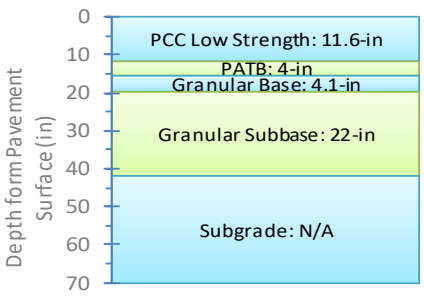


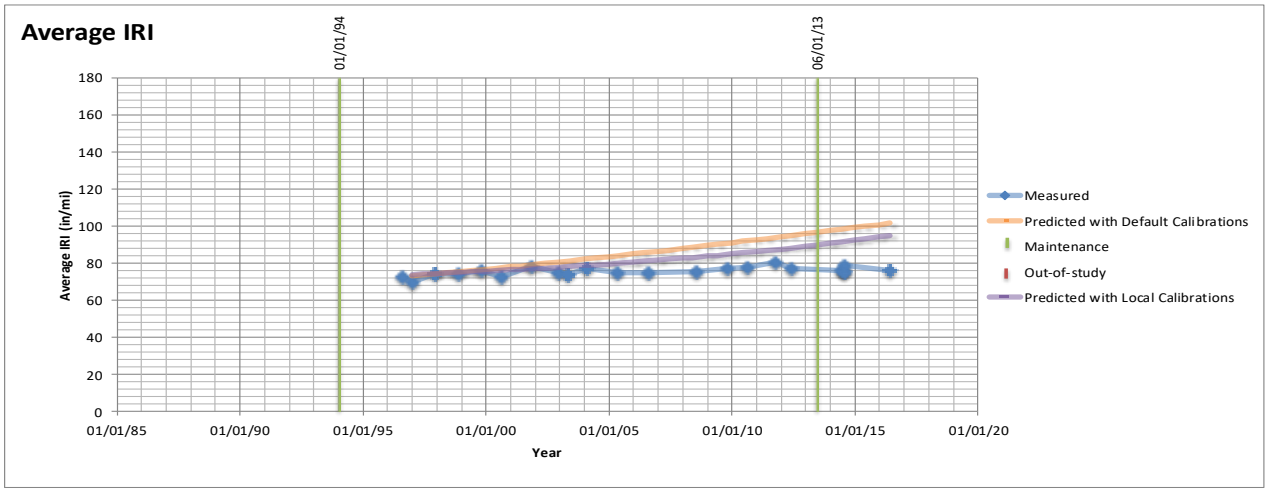


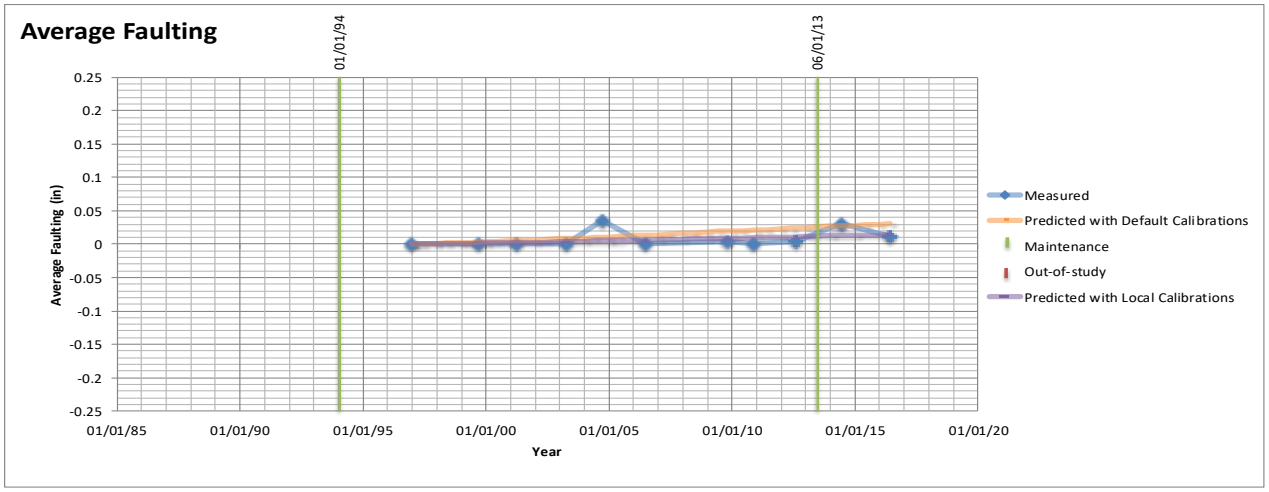


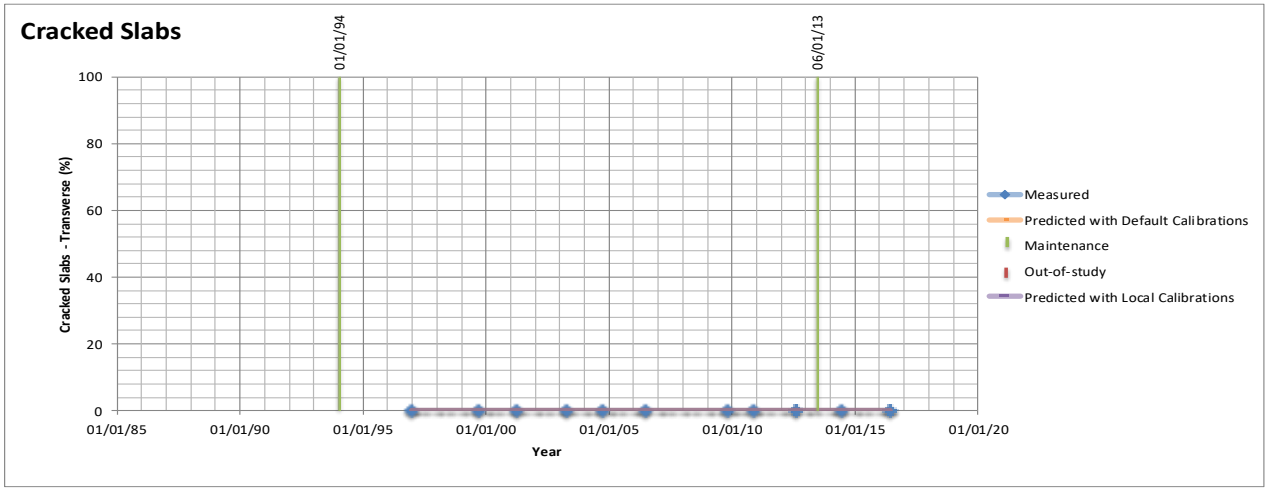


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration

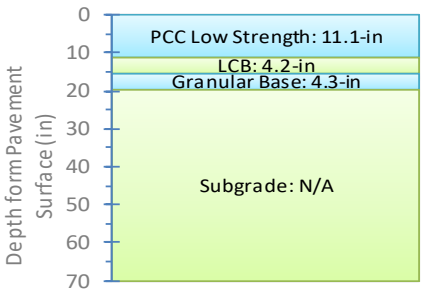


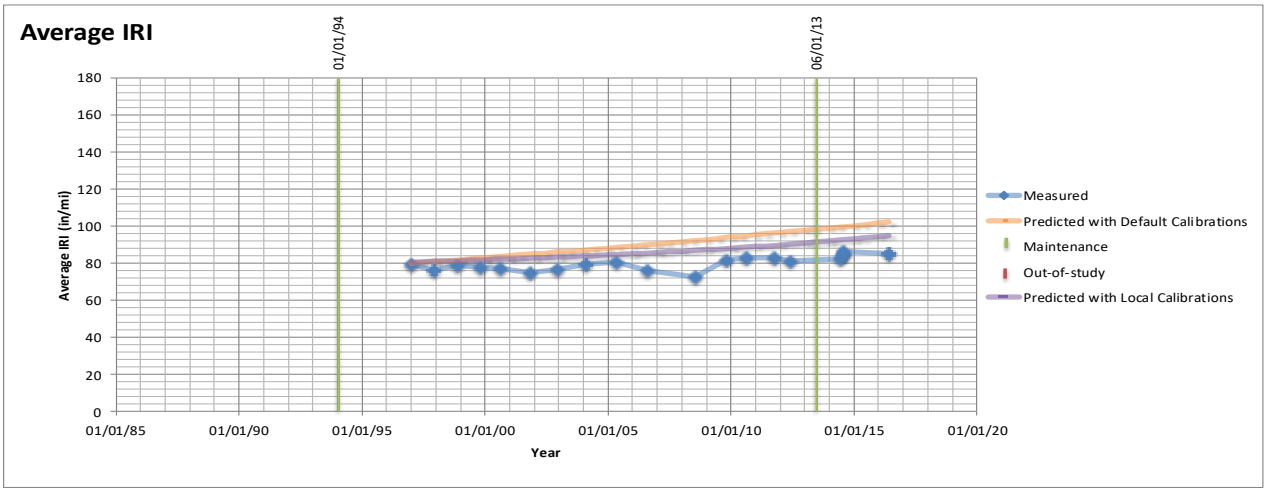


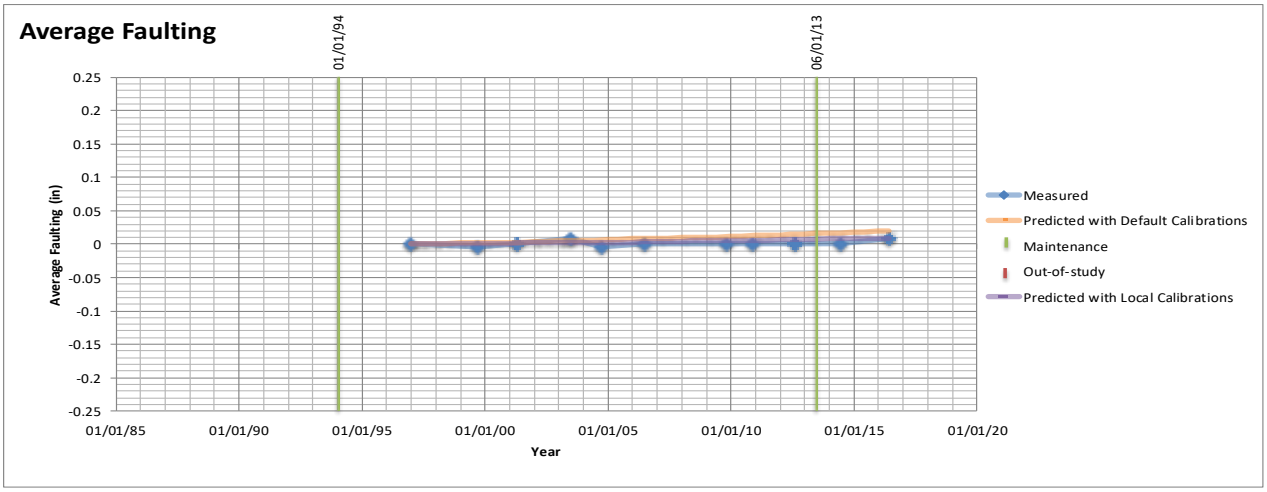


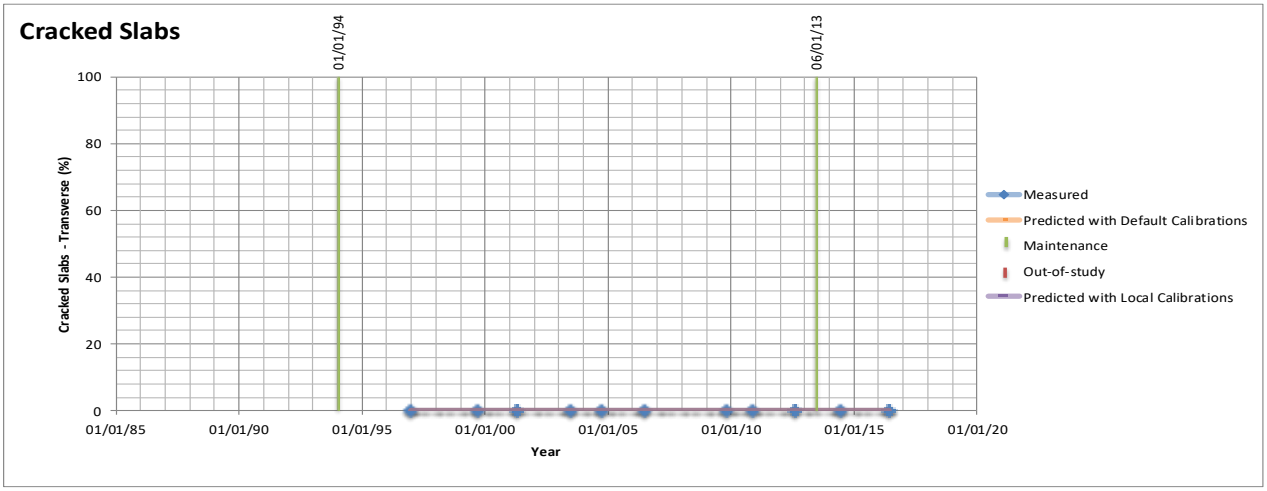


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration; Grinding Surface

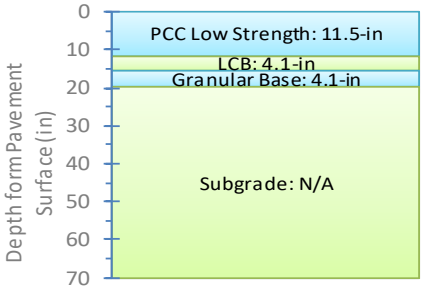


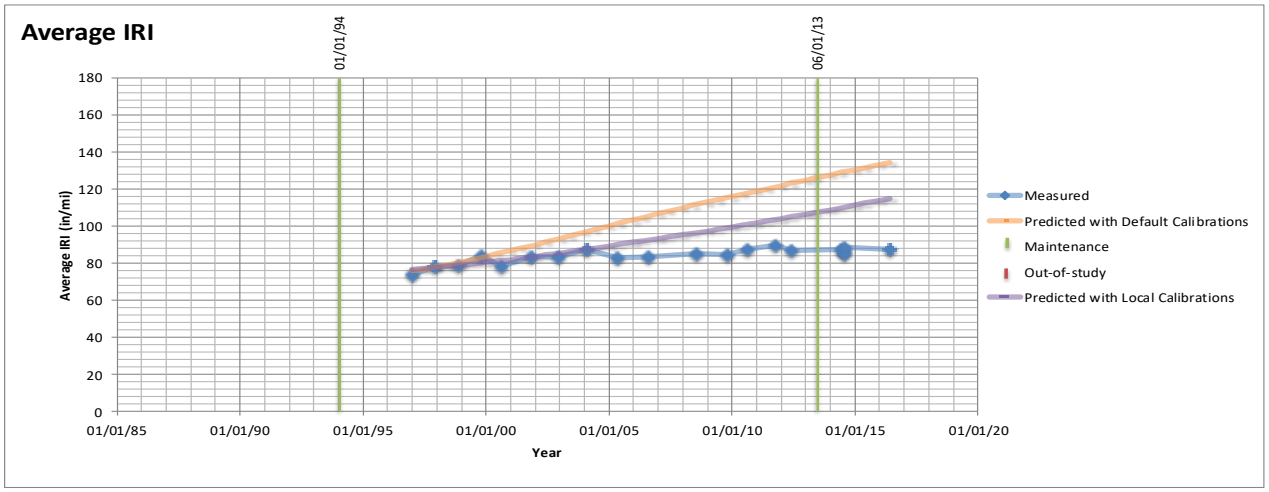


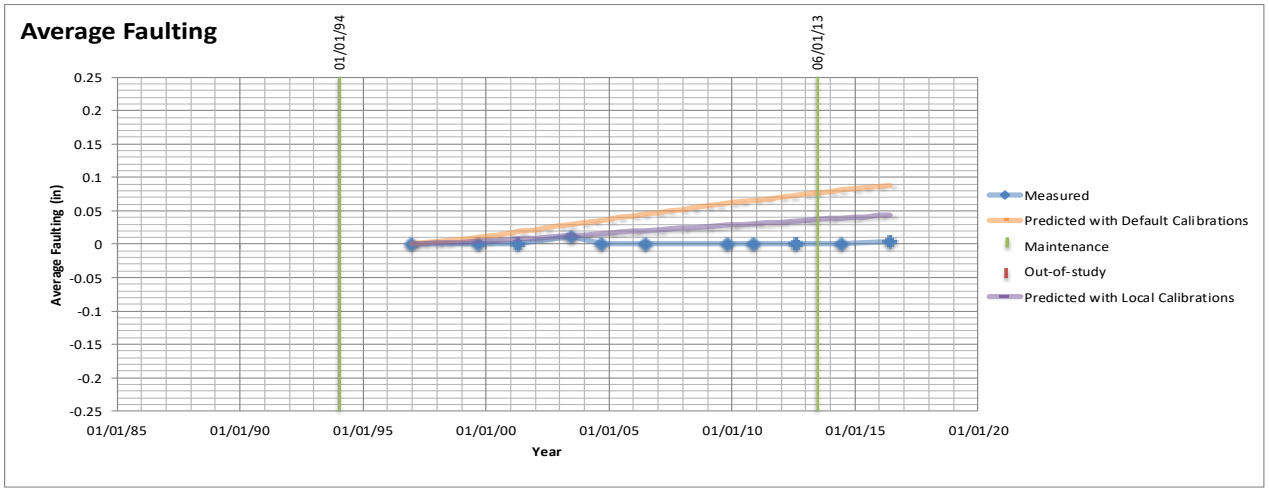


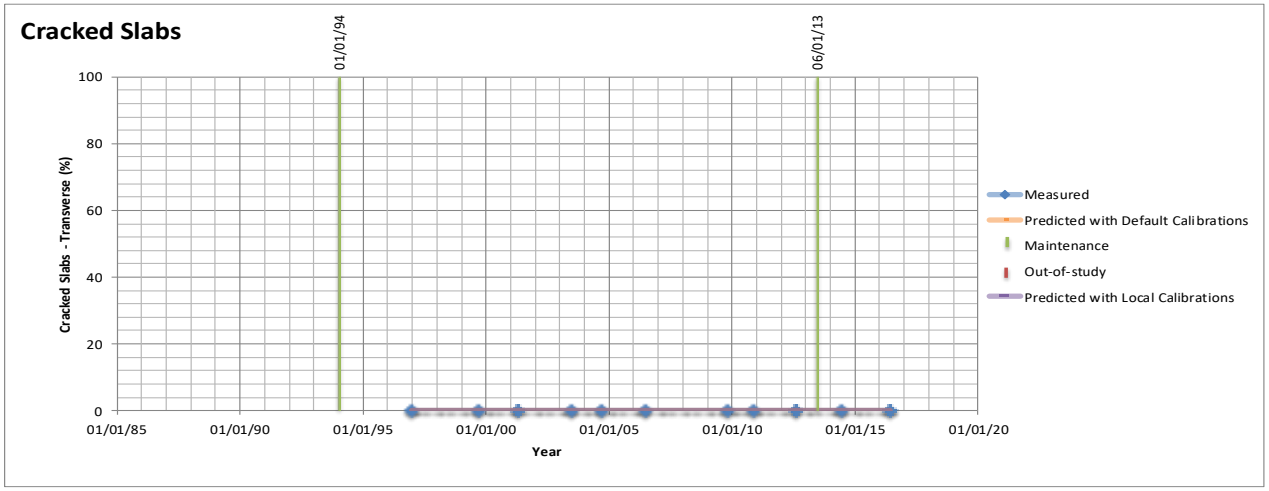


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration; Grinding Surface

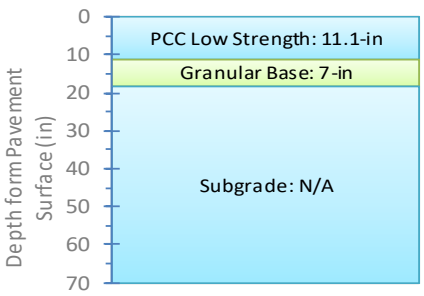


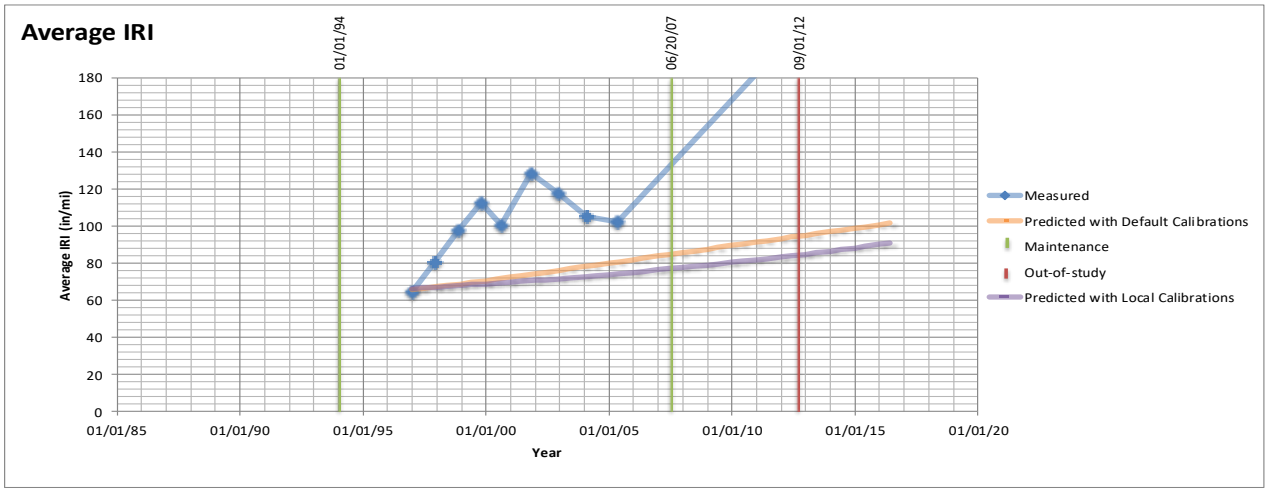


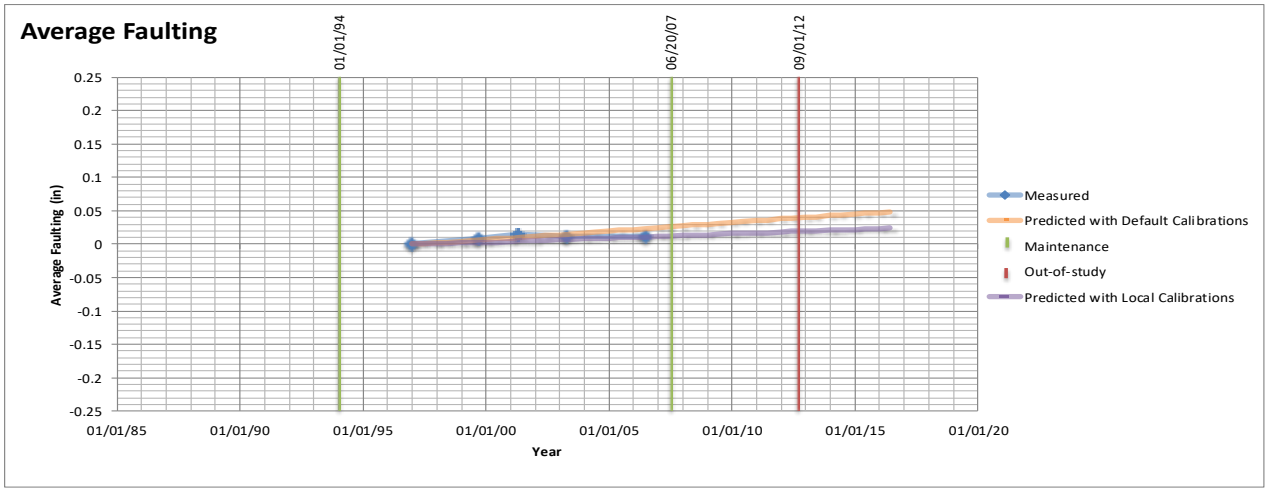


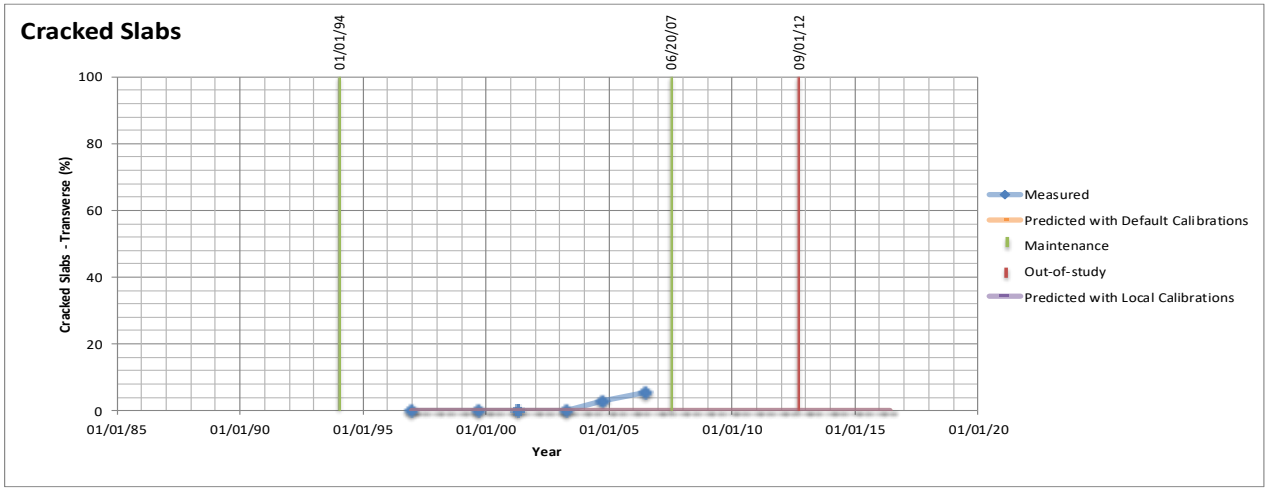


Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration; Grinding Surface

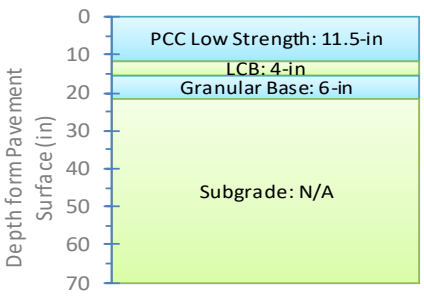


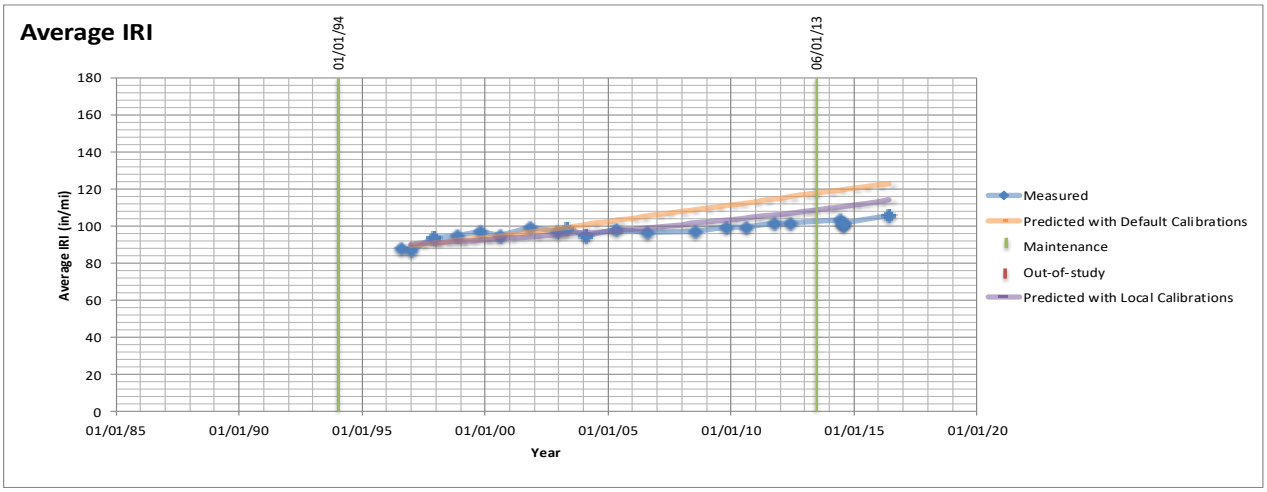


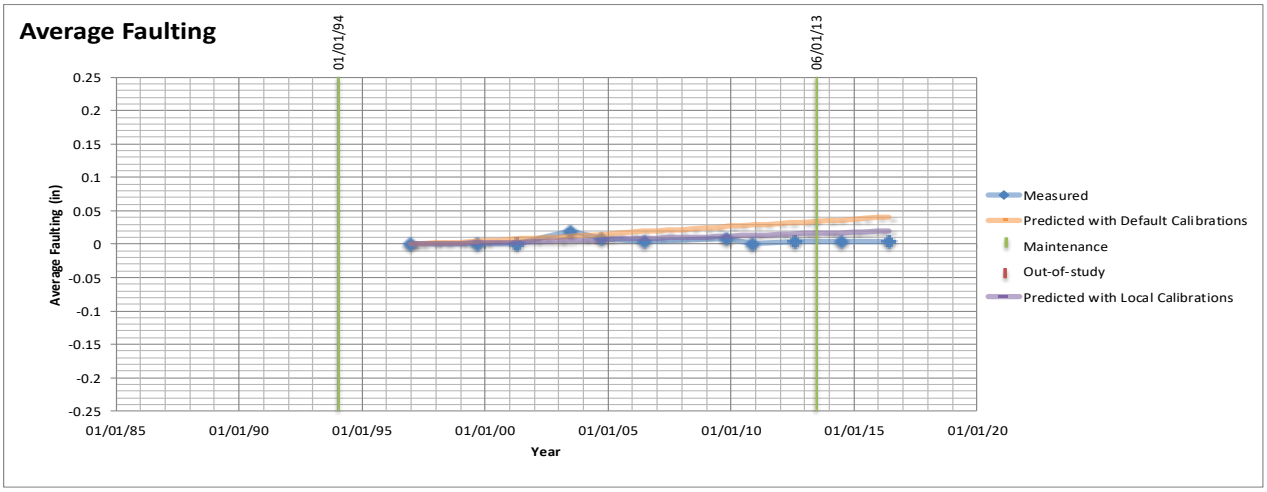


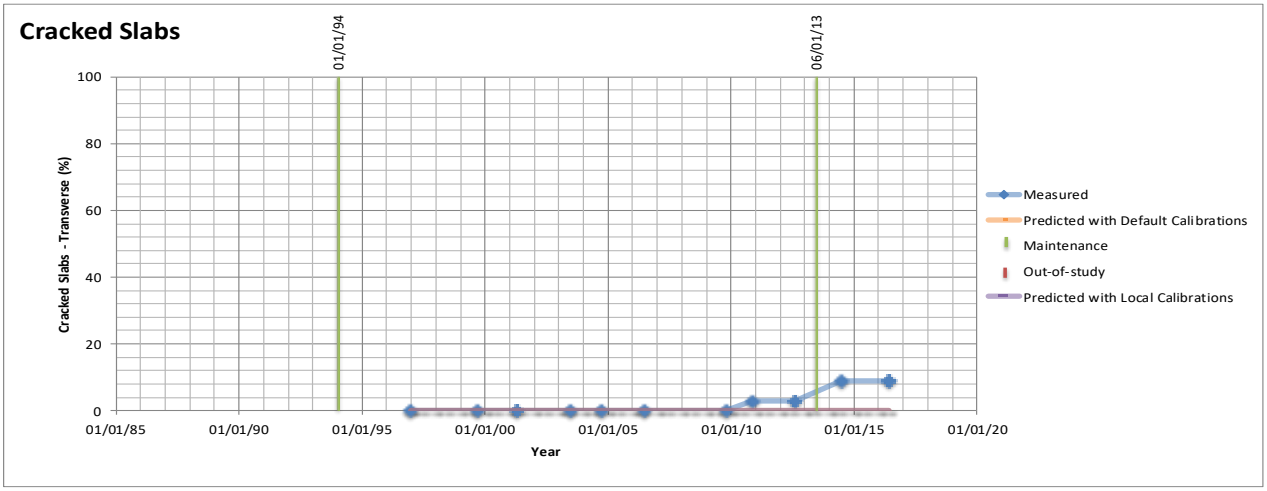


Date	Event
1-Jan-1994	In-study
20-Jun-2007	Full Depth Transverse Joint Repair Patch; Other
1-Sep-2012	Out-of-study

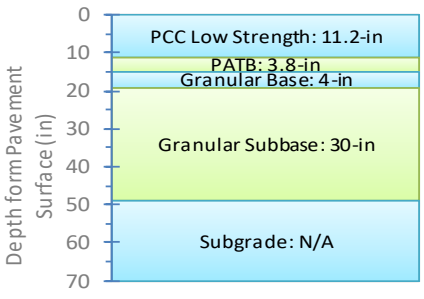




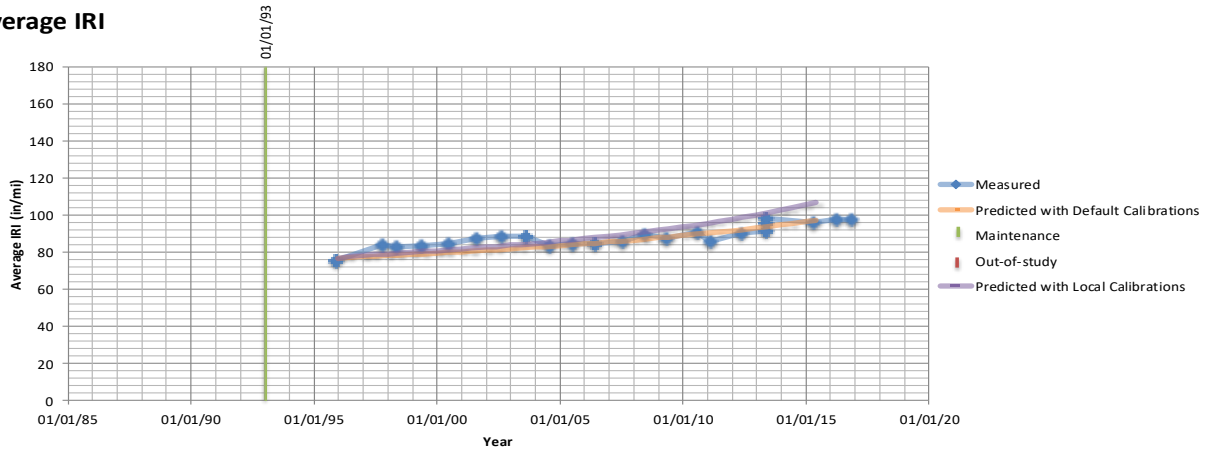




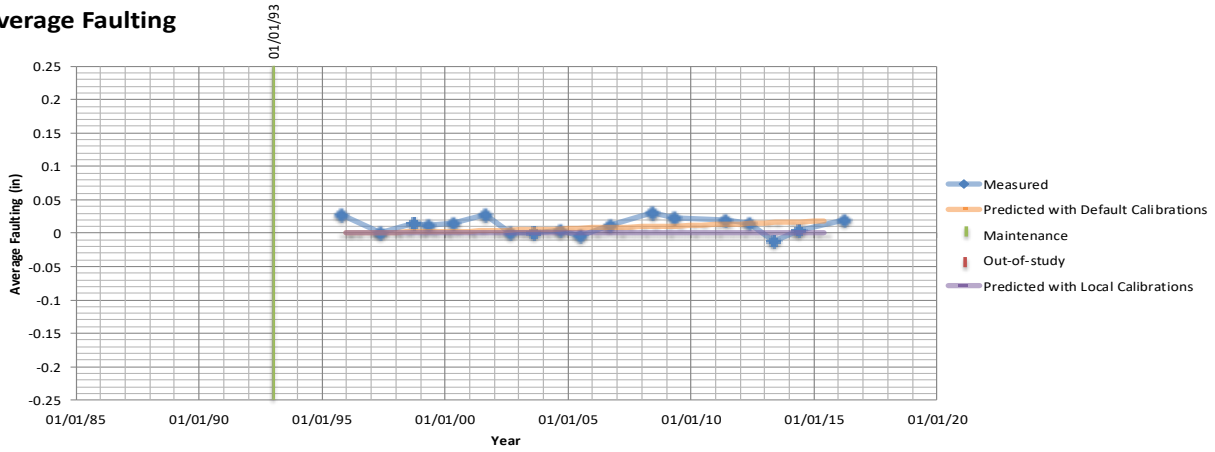
Date	Event
1-Jan-1994	In-study
1-Jun-2013	AC Shoulder Restoration



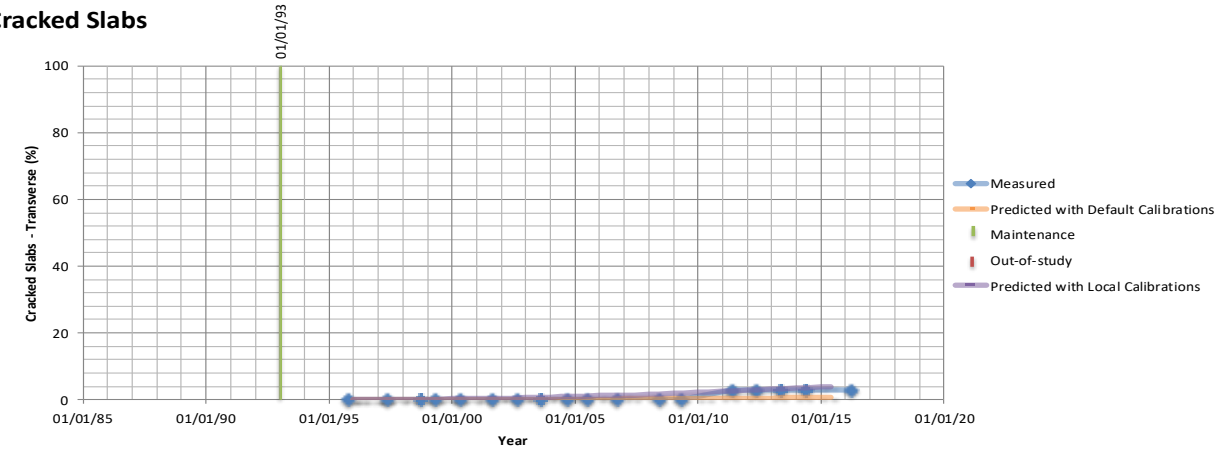
Average IRI



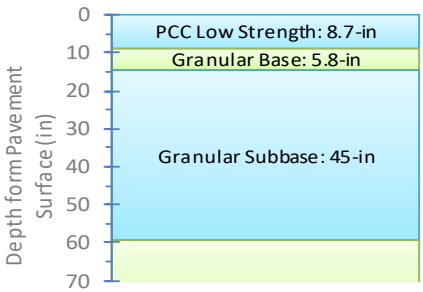
Average Faulting



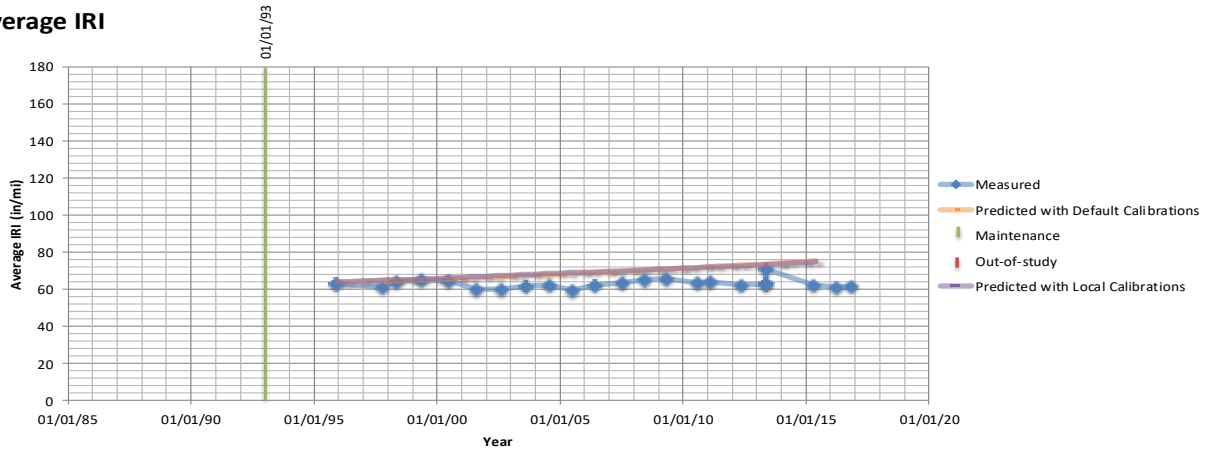
Cracked Slabs



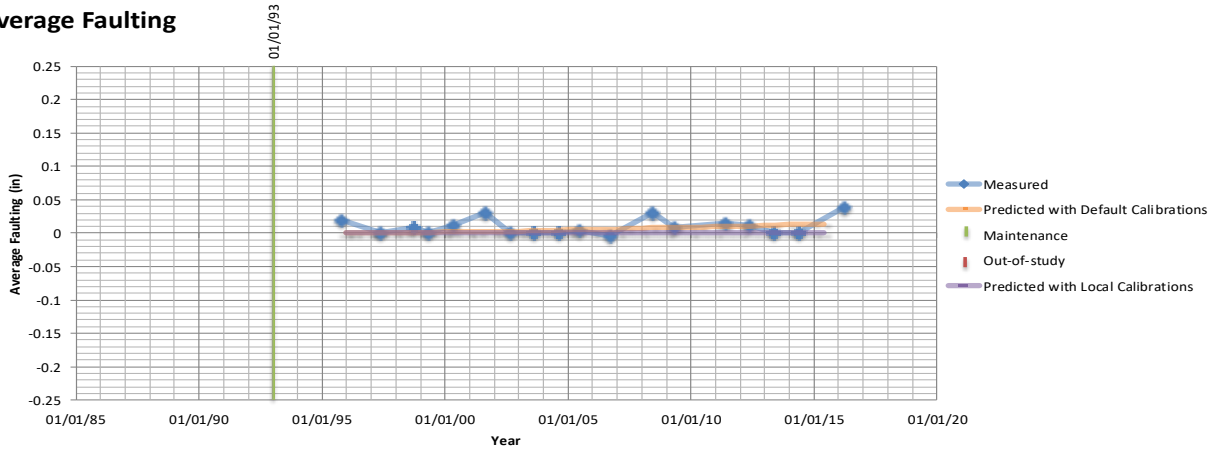
Date	Event
1-Jan-1993	In-study



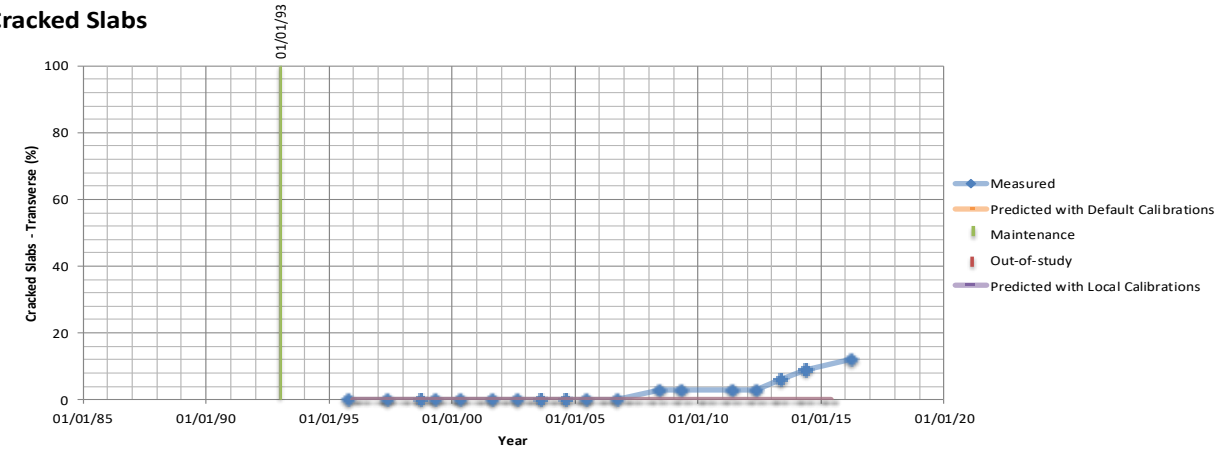
Average IRI



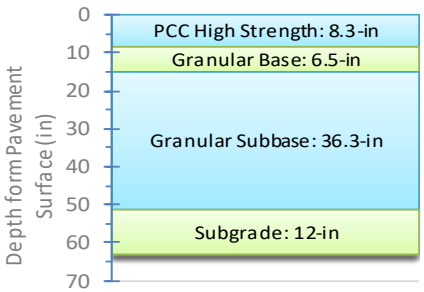
Average Faulting



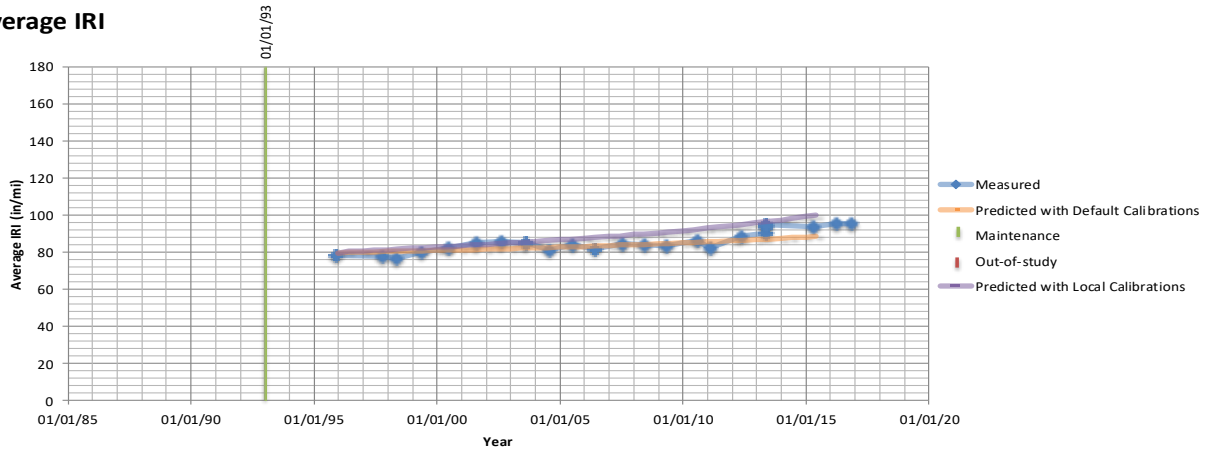
Cracked Slabs



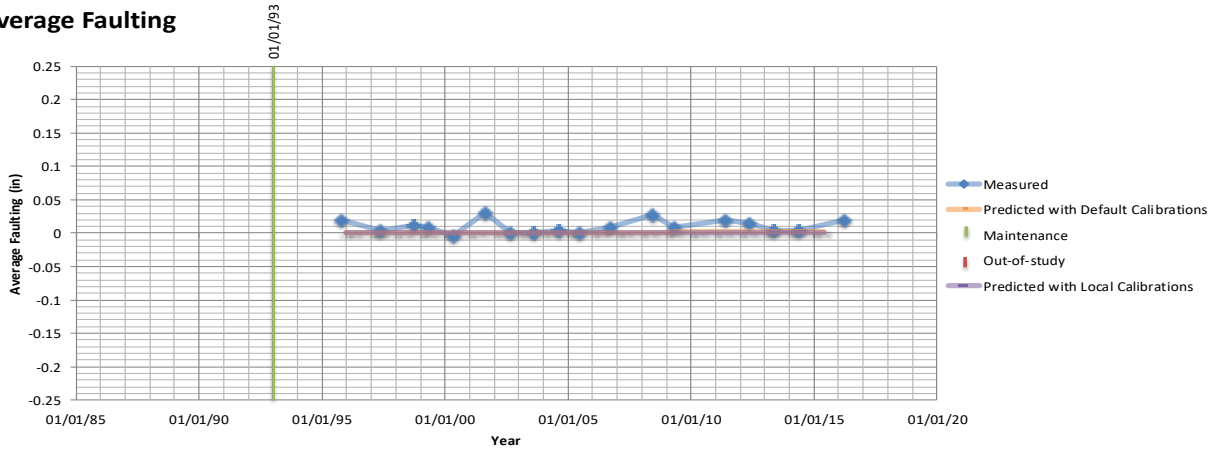
Date	Event
1-Jan-1993	In-study



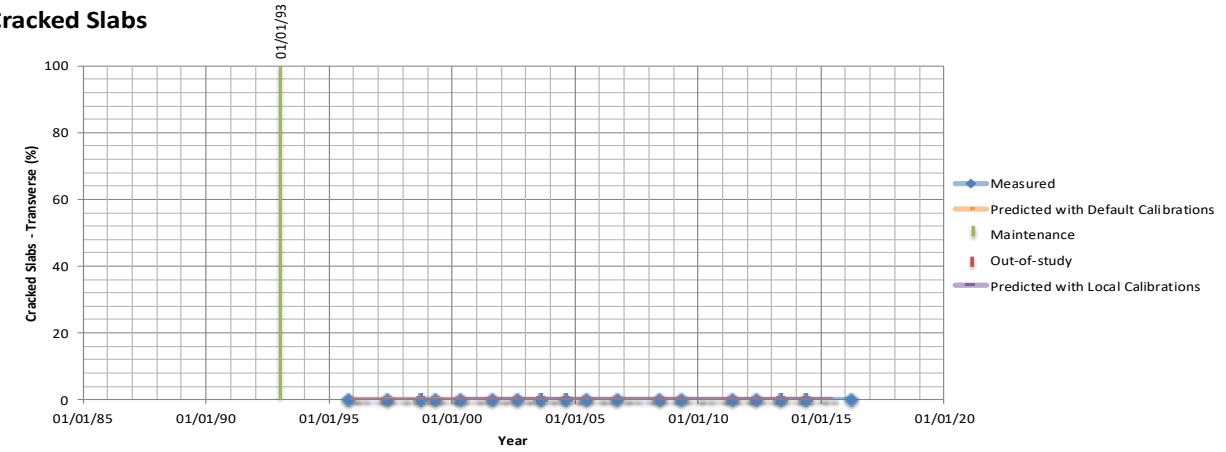
Average IRI



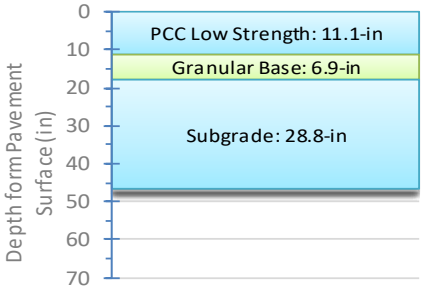
Average Faulting

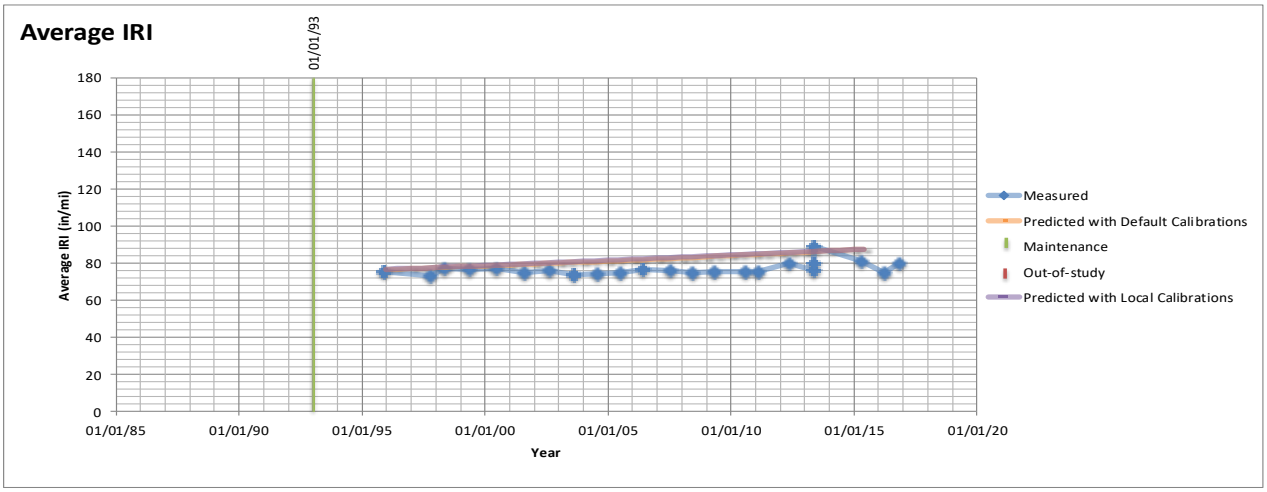


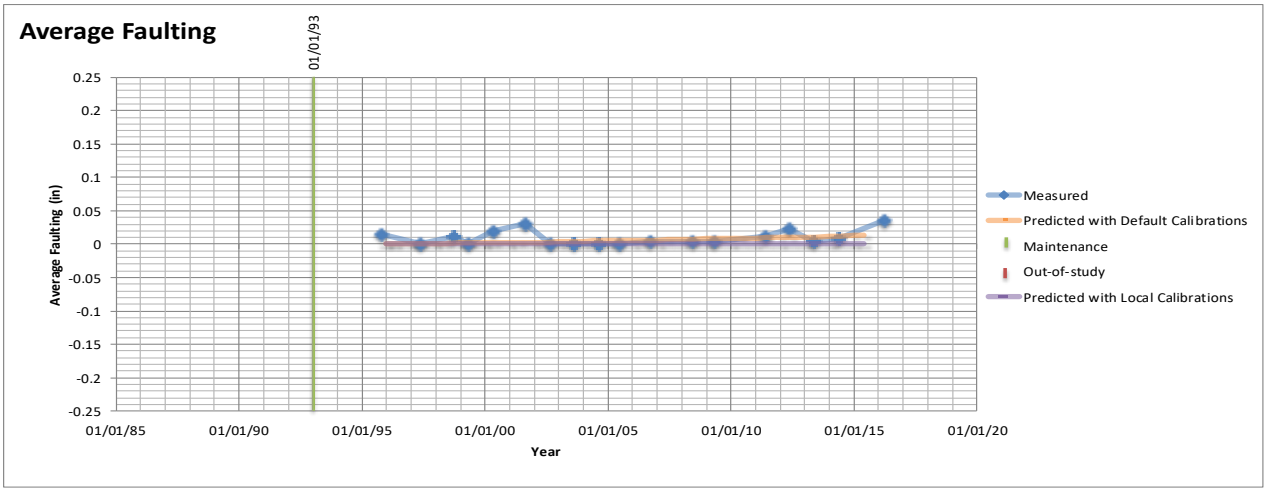
Cracked Slabs

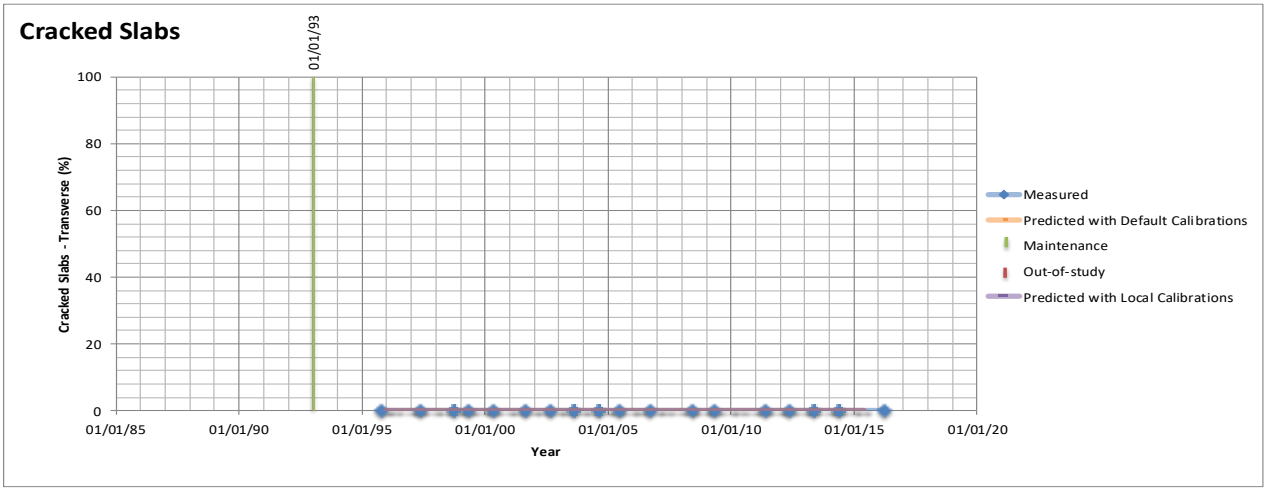


Date	Event
1-Jan-1993	In-study









Date	Event
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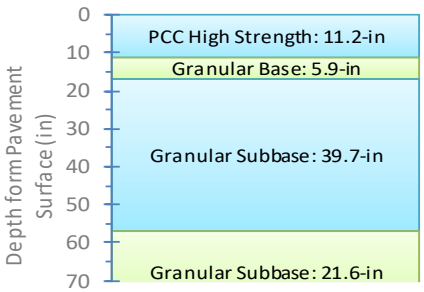
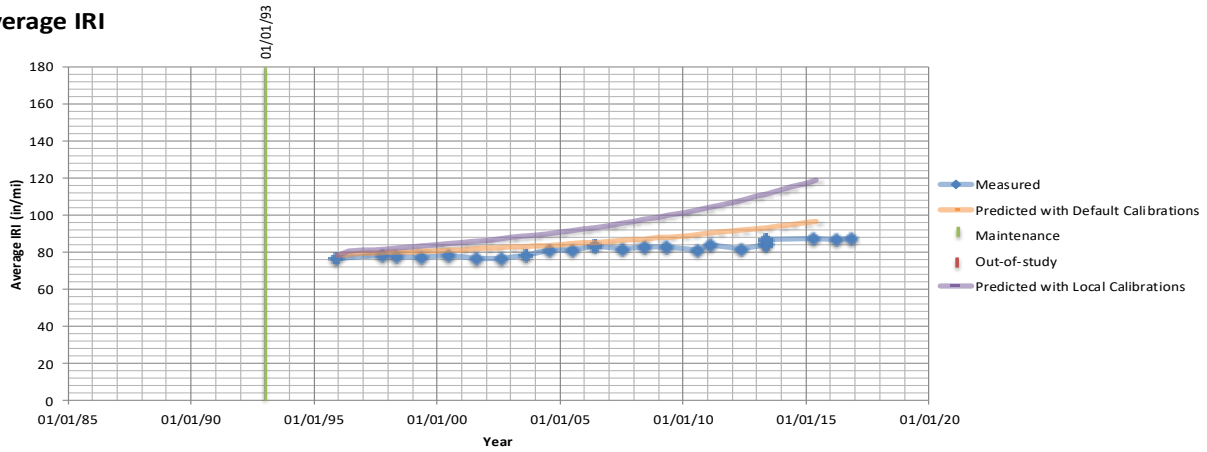
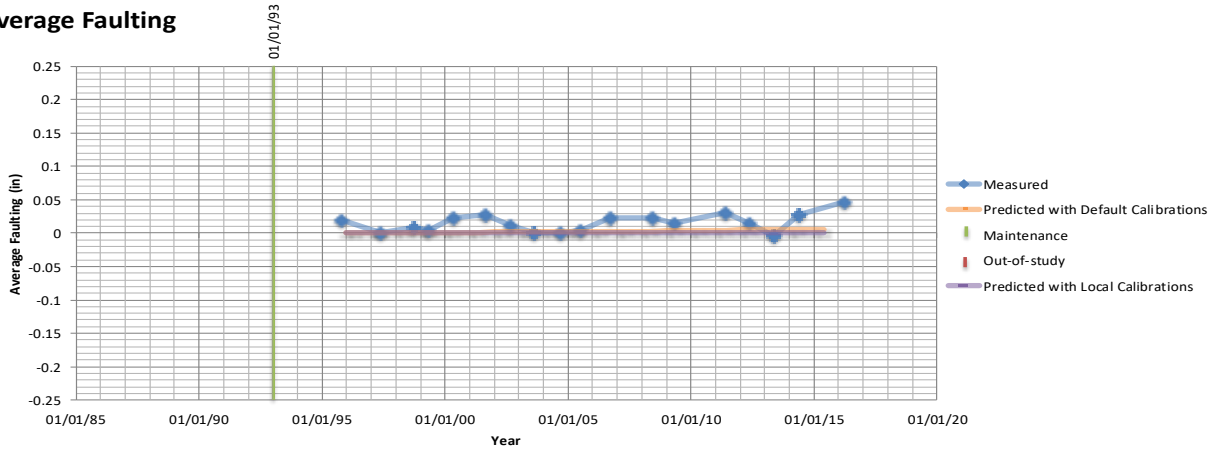


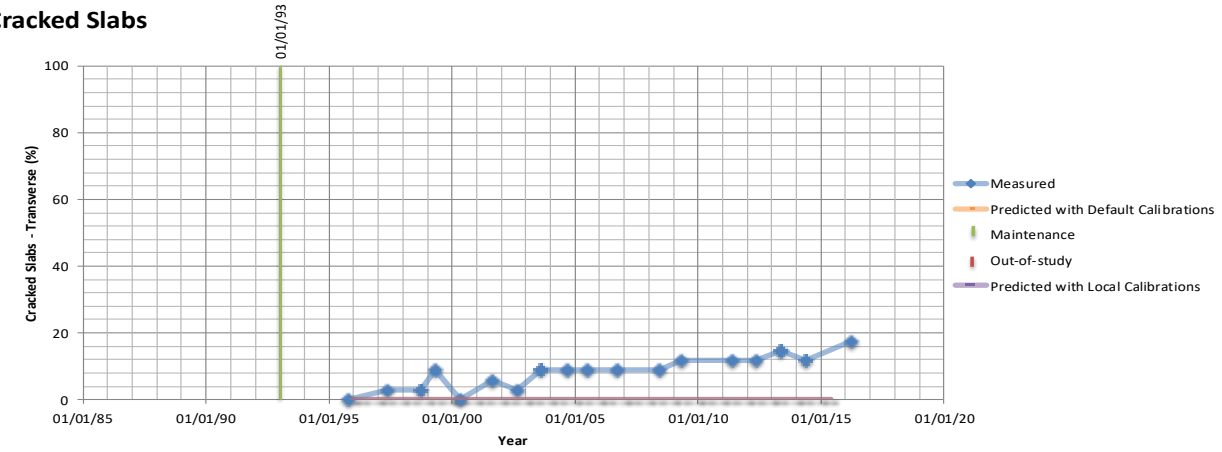
Average IRI



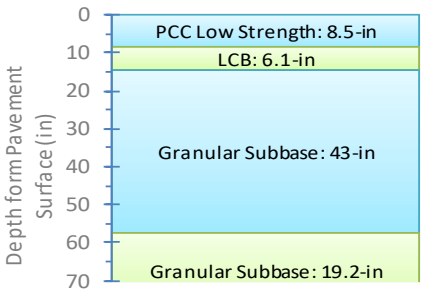
Average Faulting



Cracked Slabs



Date	Event
1-Jan-1993	In-study



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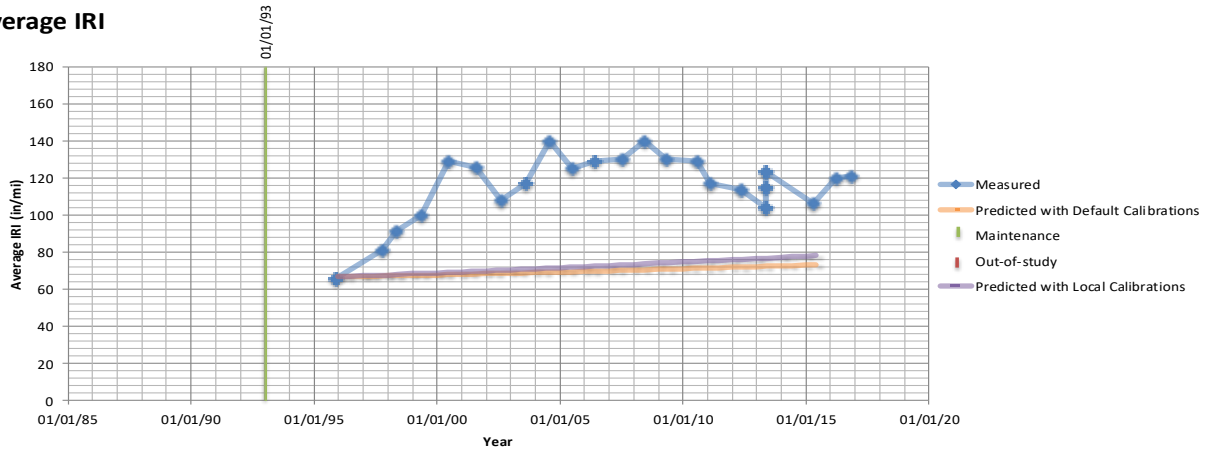

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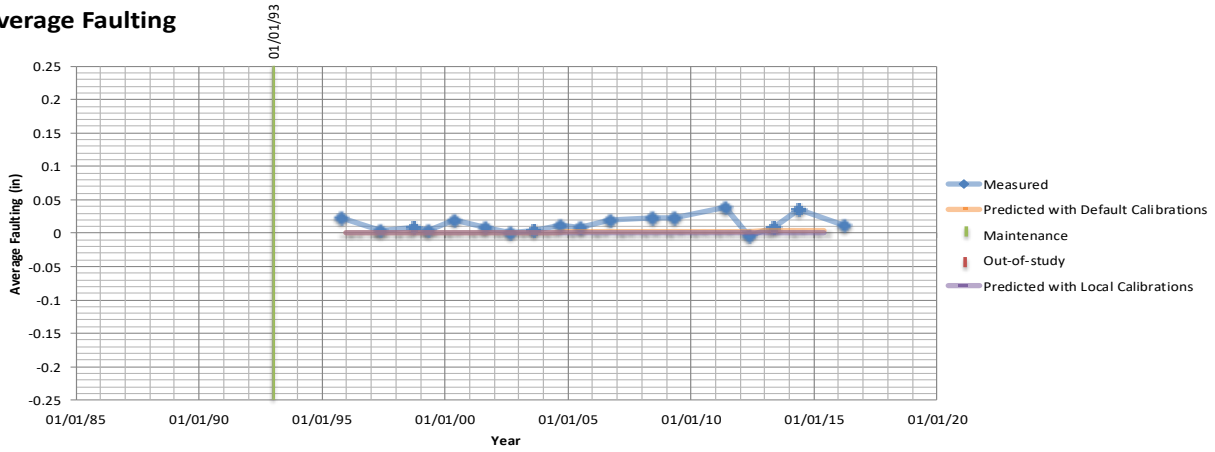

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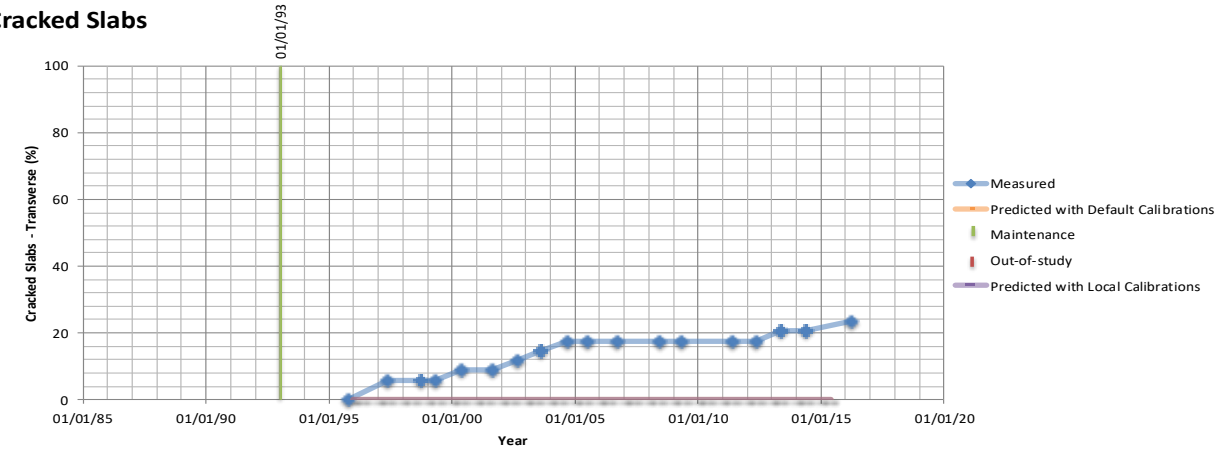

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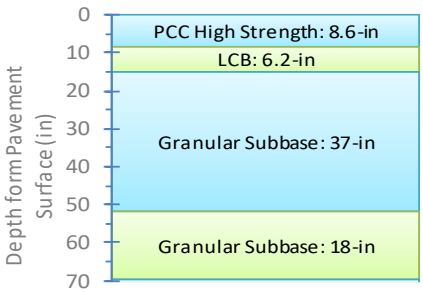

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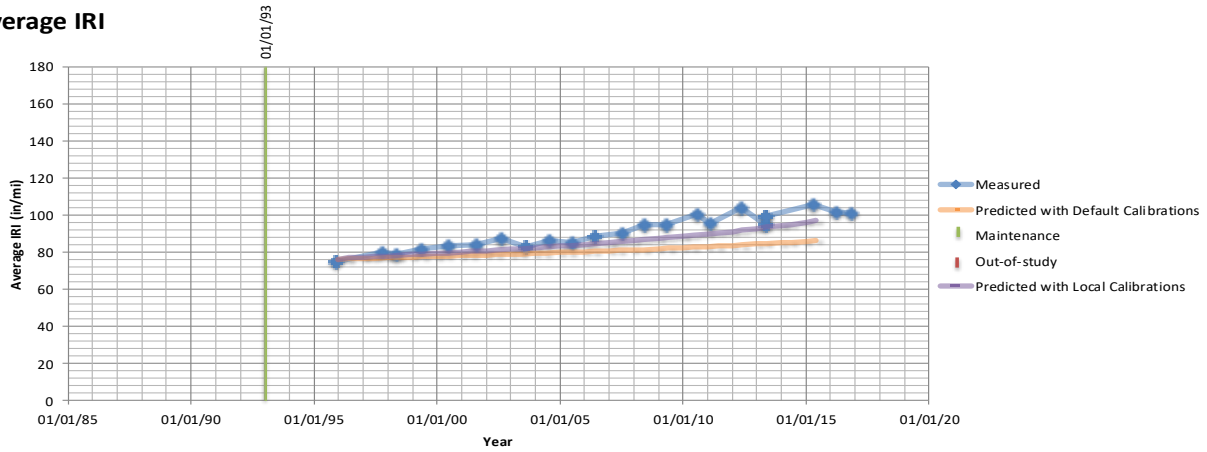

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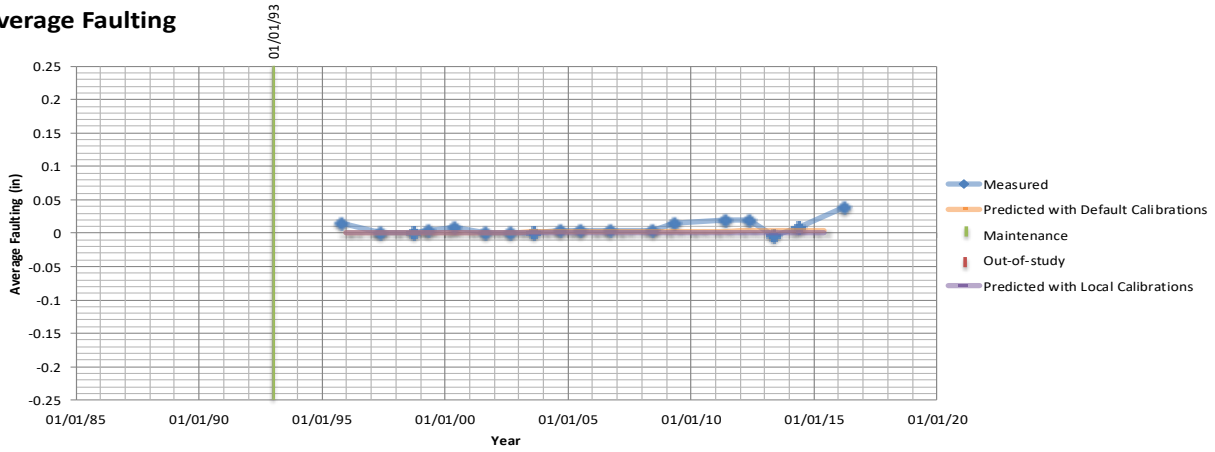

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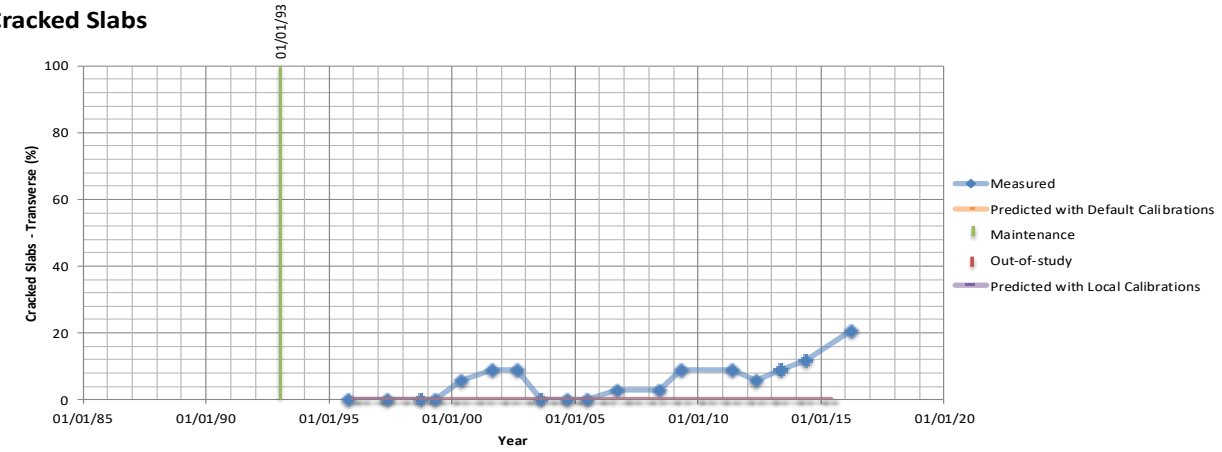

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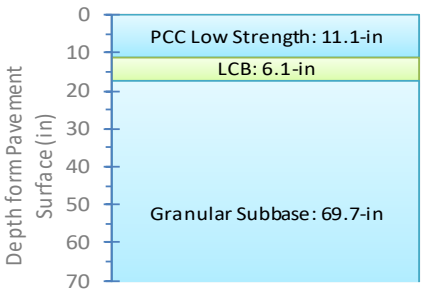

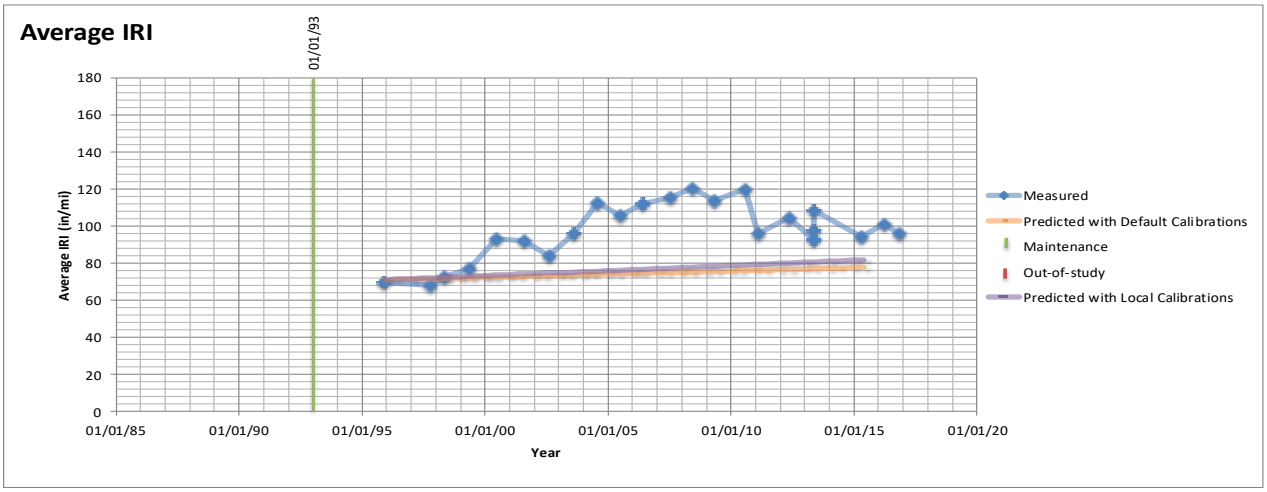

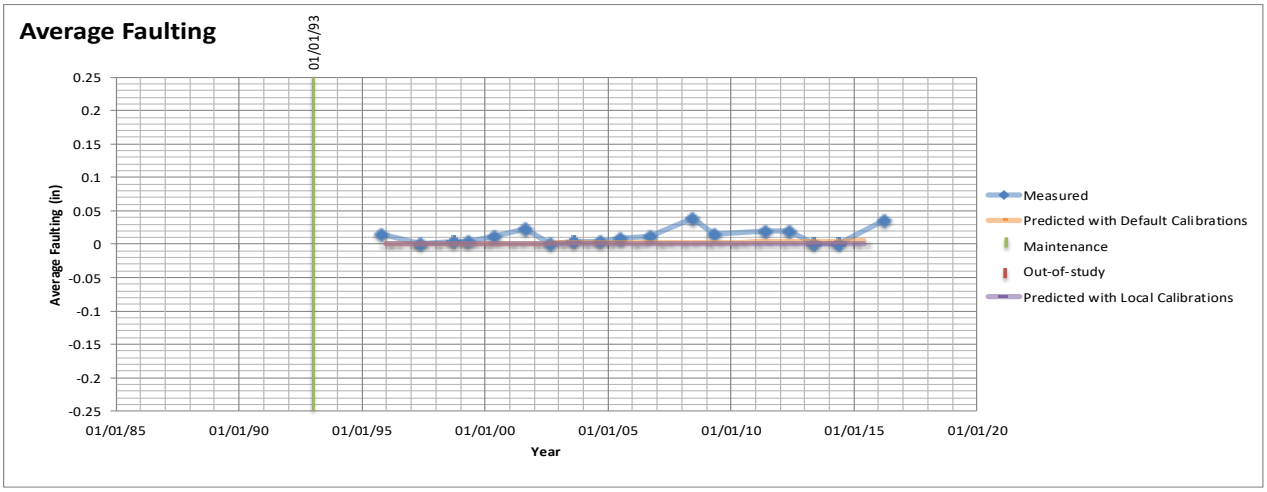

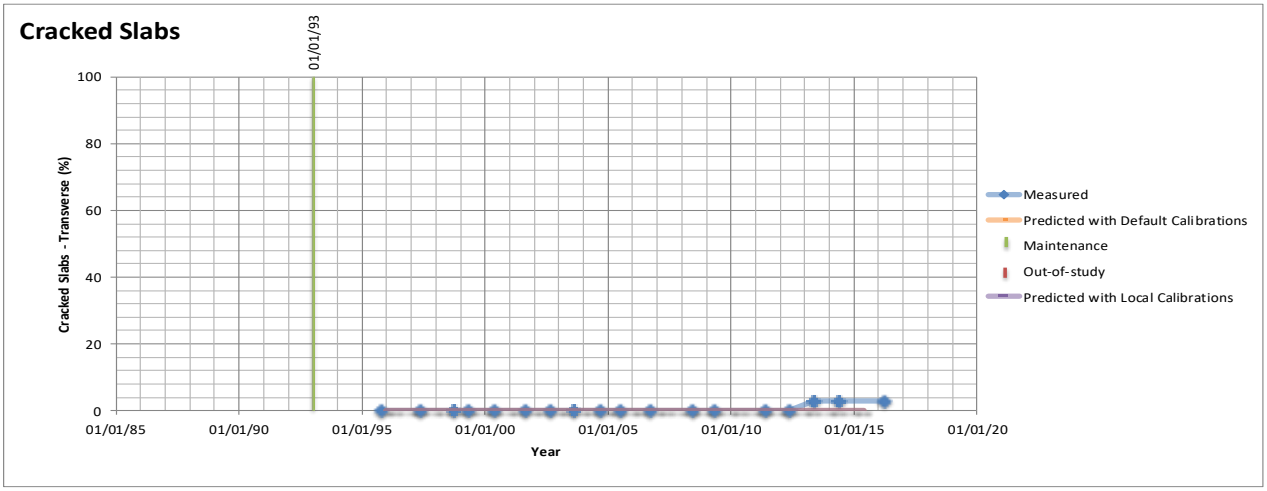

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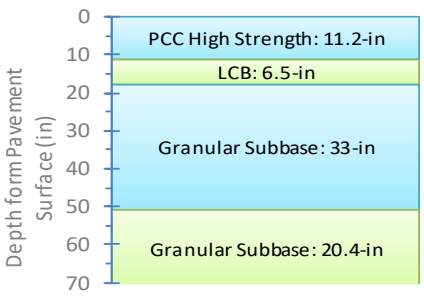
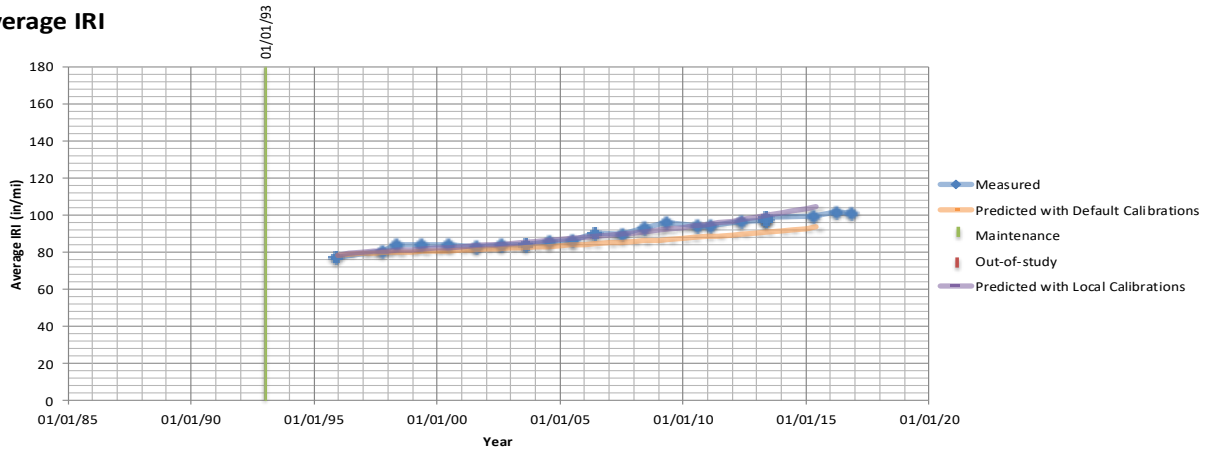
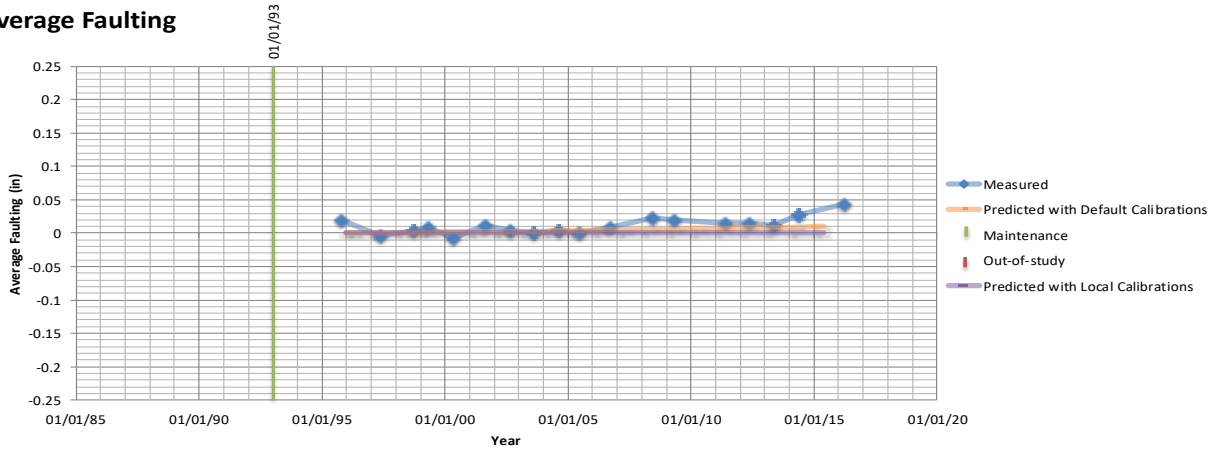


Average IRI



Average Faulting



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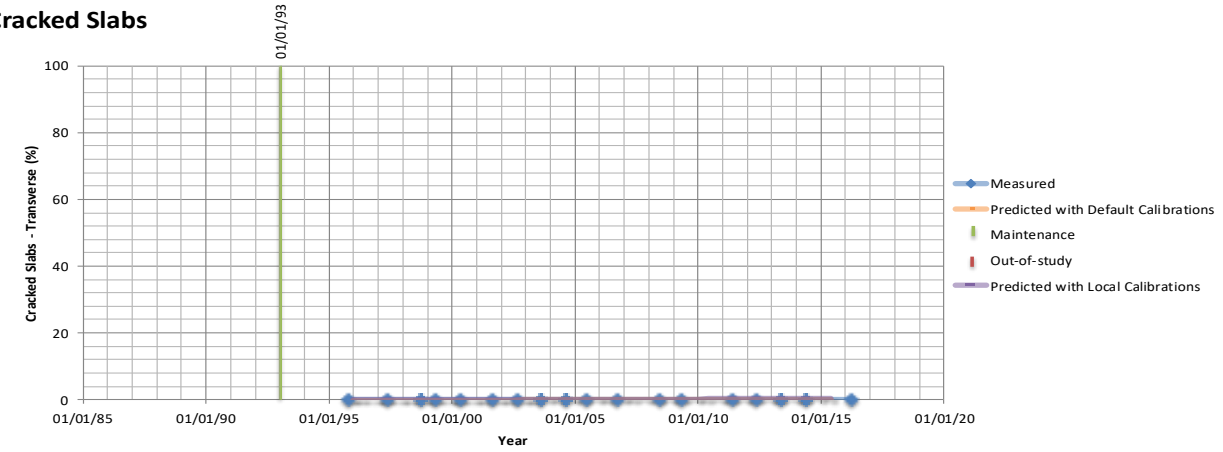

Date	Event
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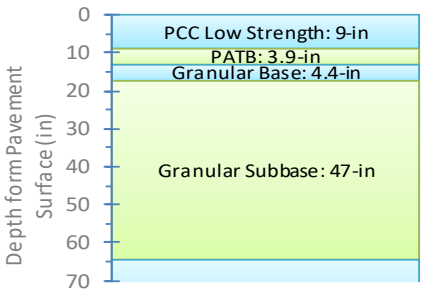

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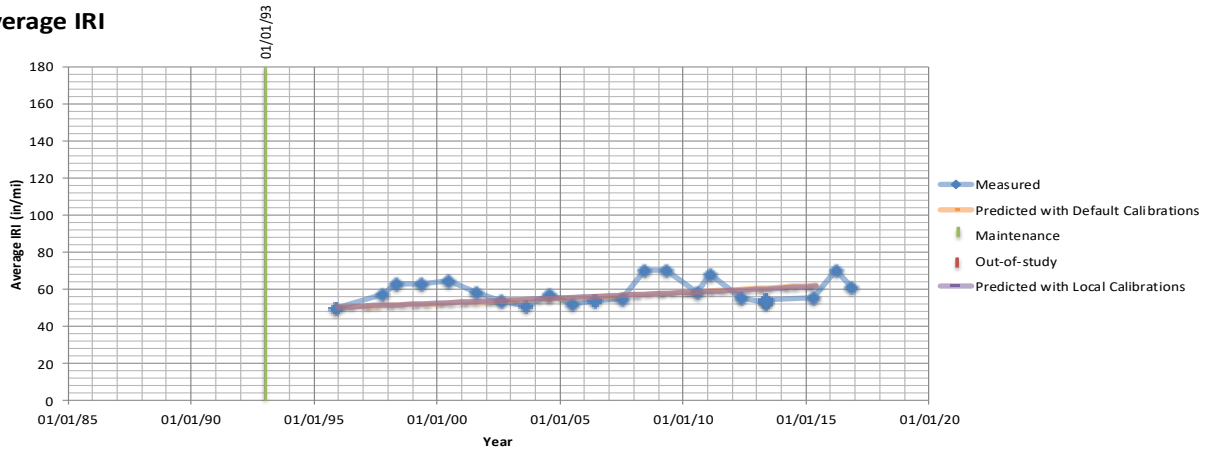

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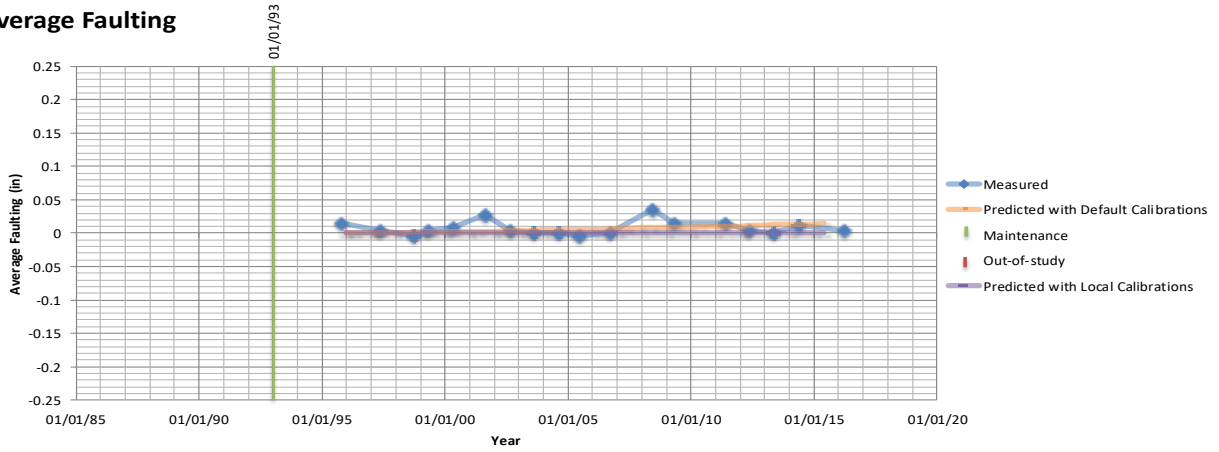

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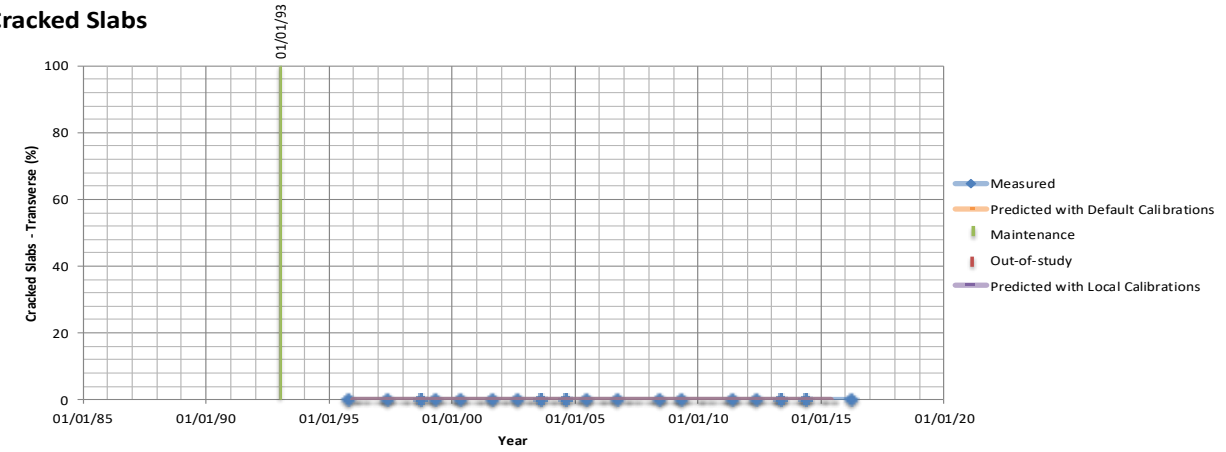
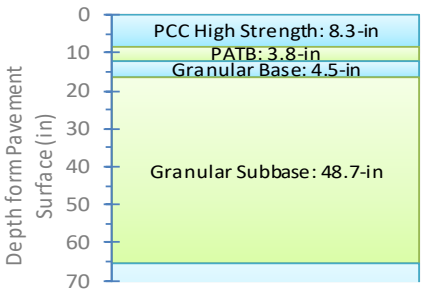


Date	Event
1-Jan-1993	In-study



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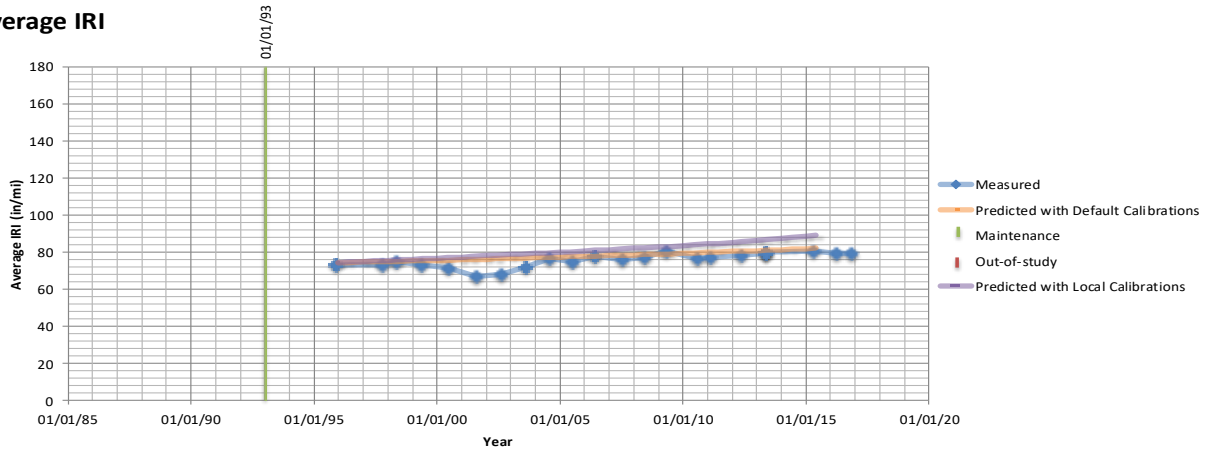

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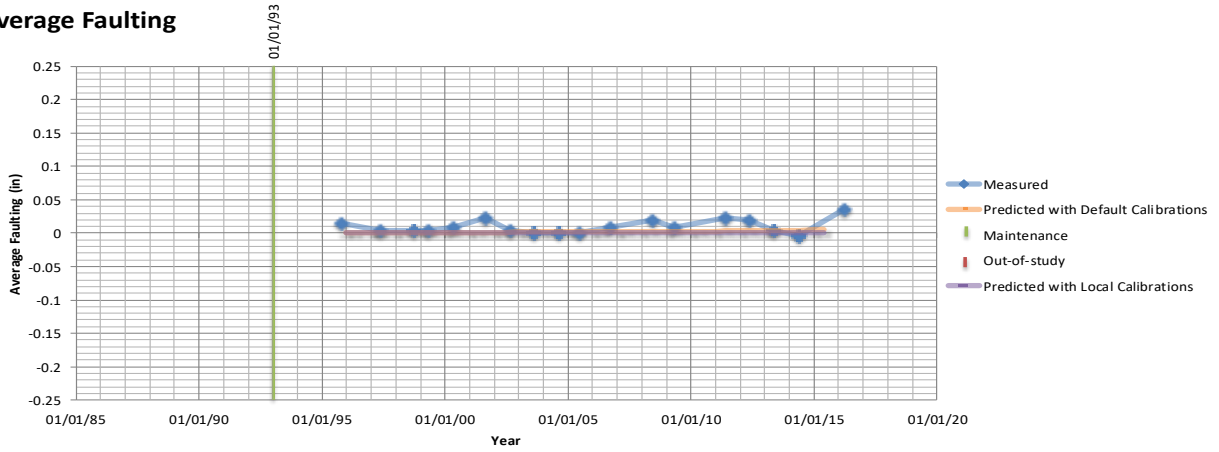

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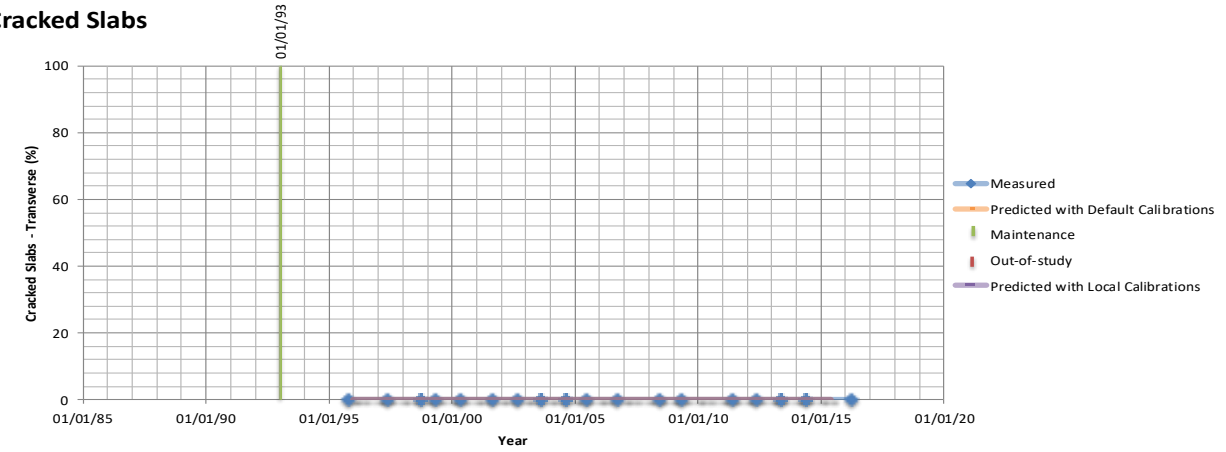

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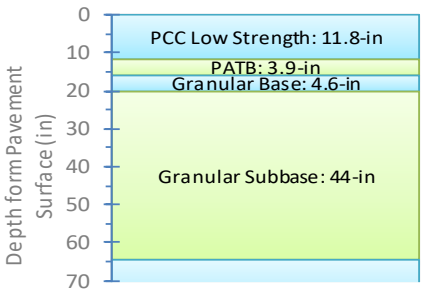

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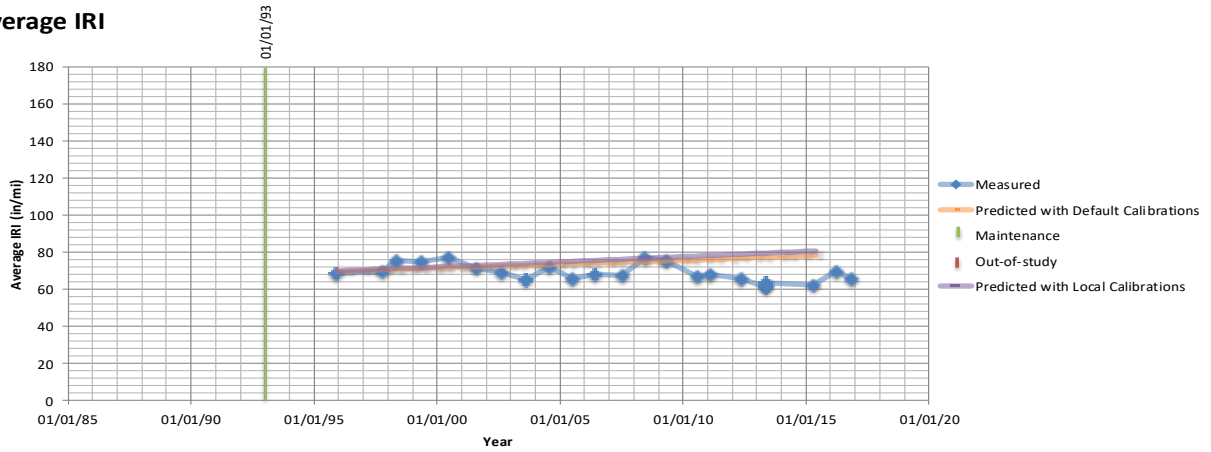

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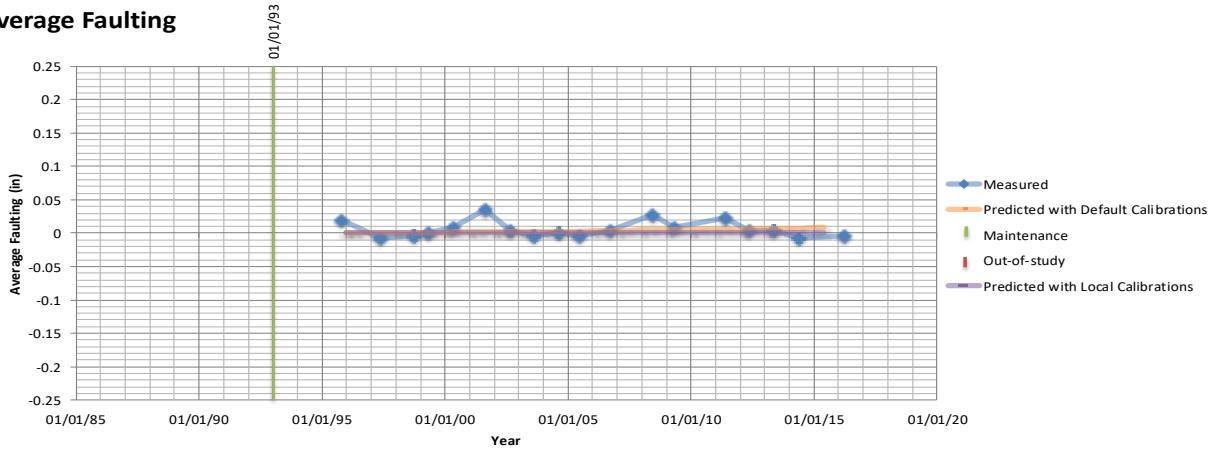

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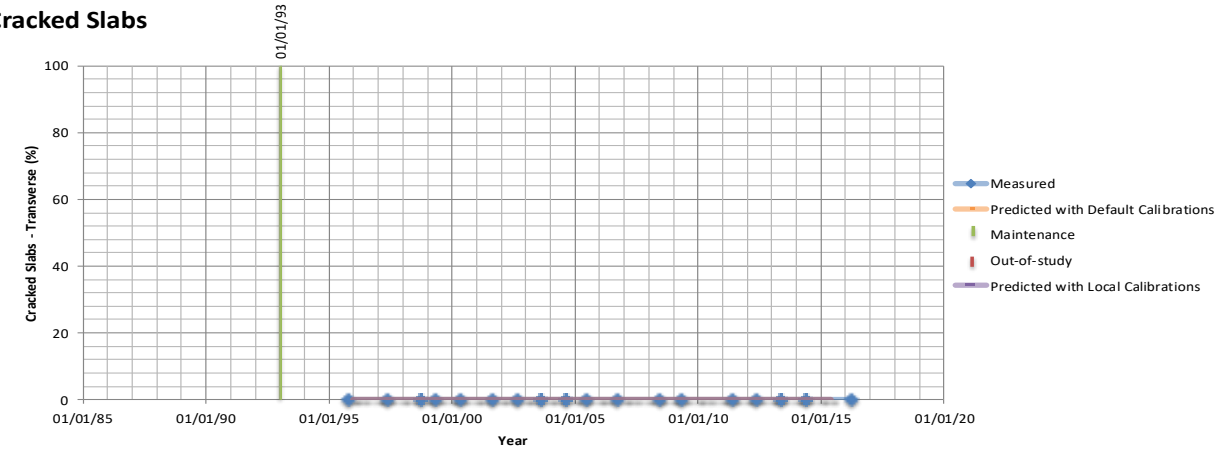

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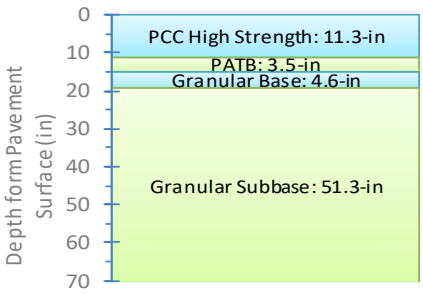
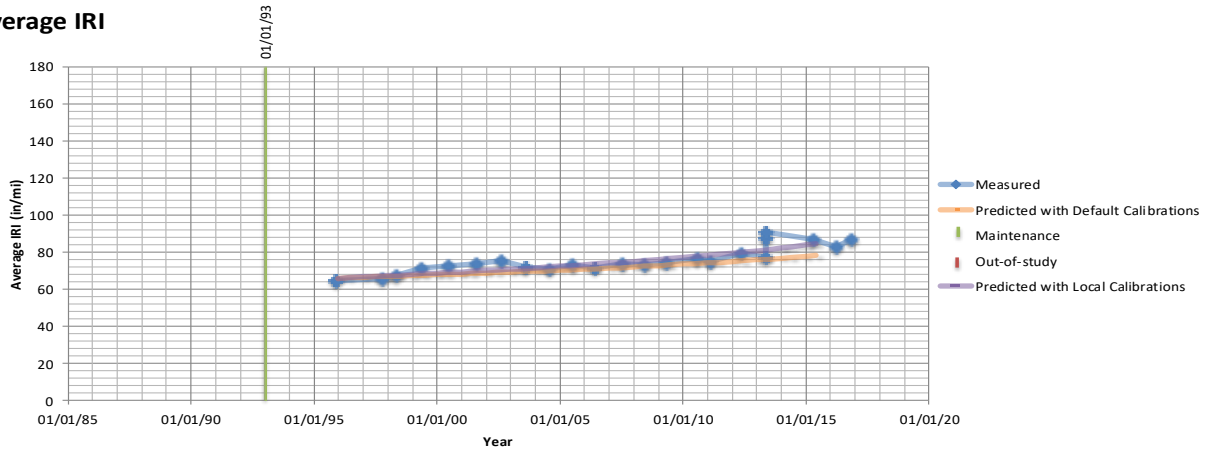


Average IRI



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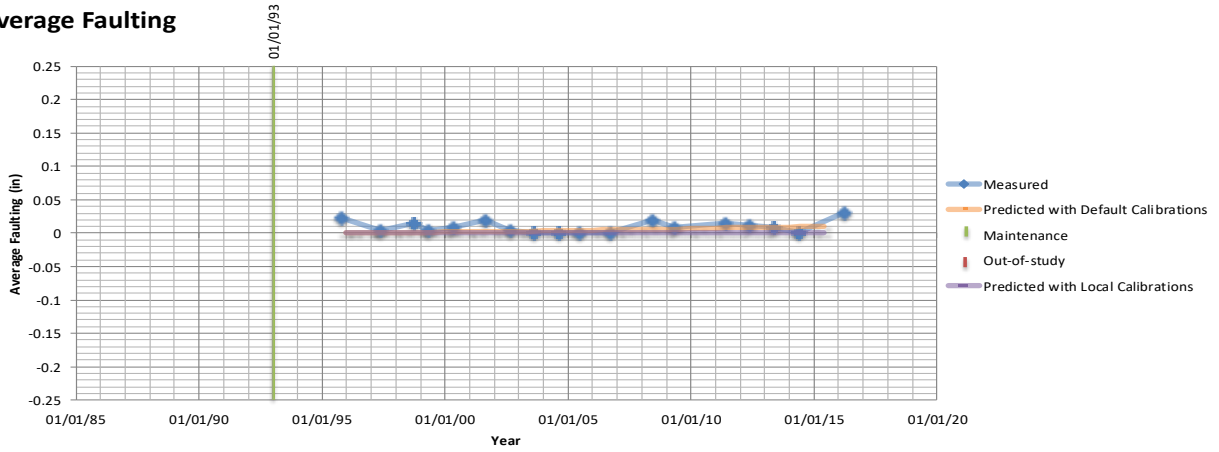

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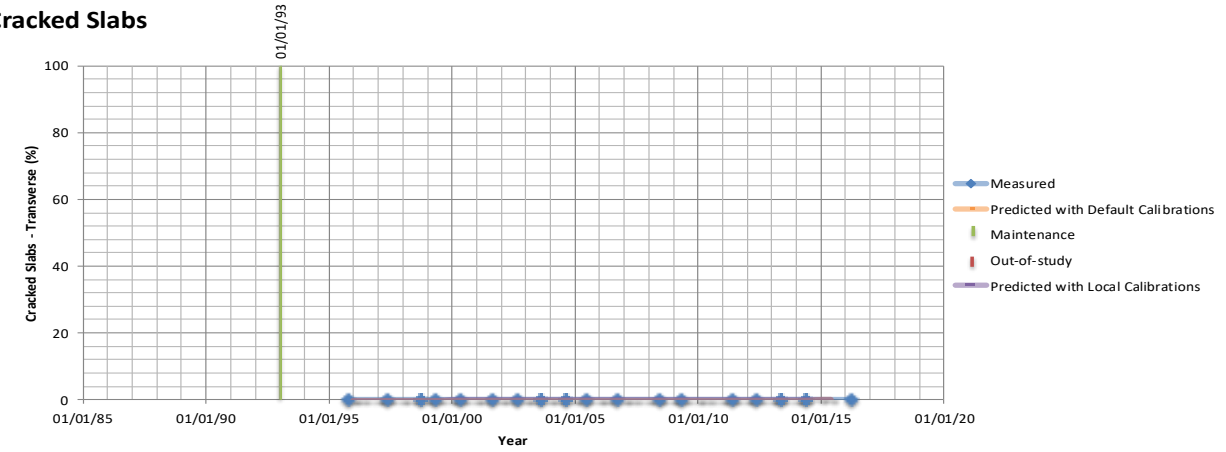

Date	Event
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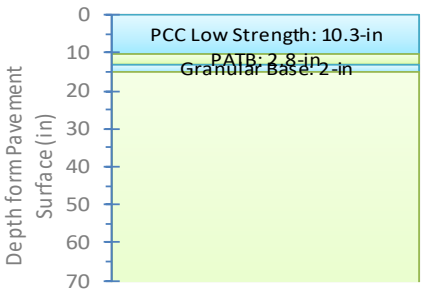
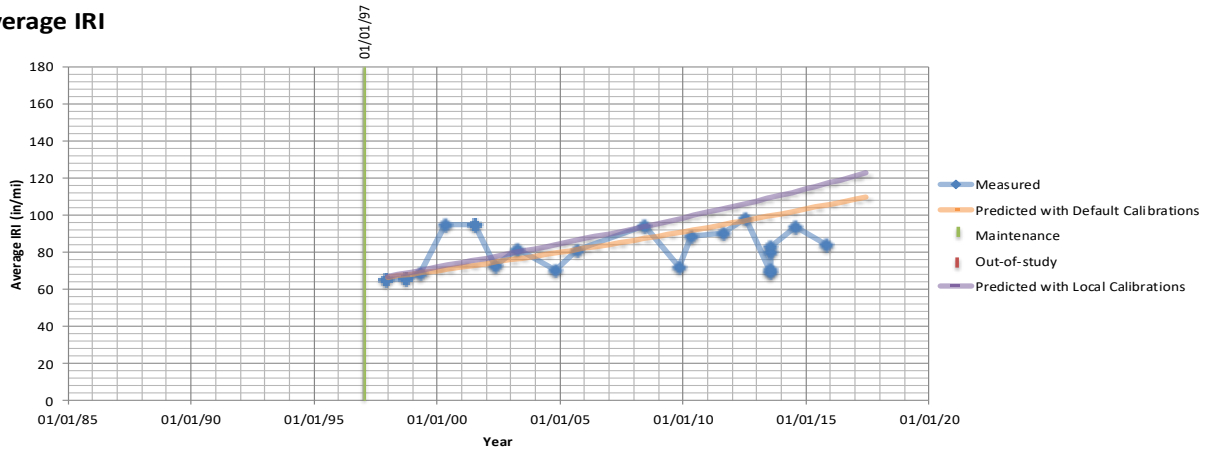


Average IRI



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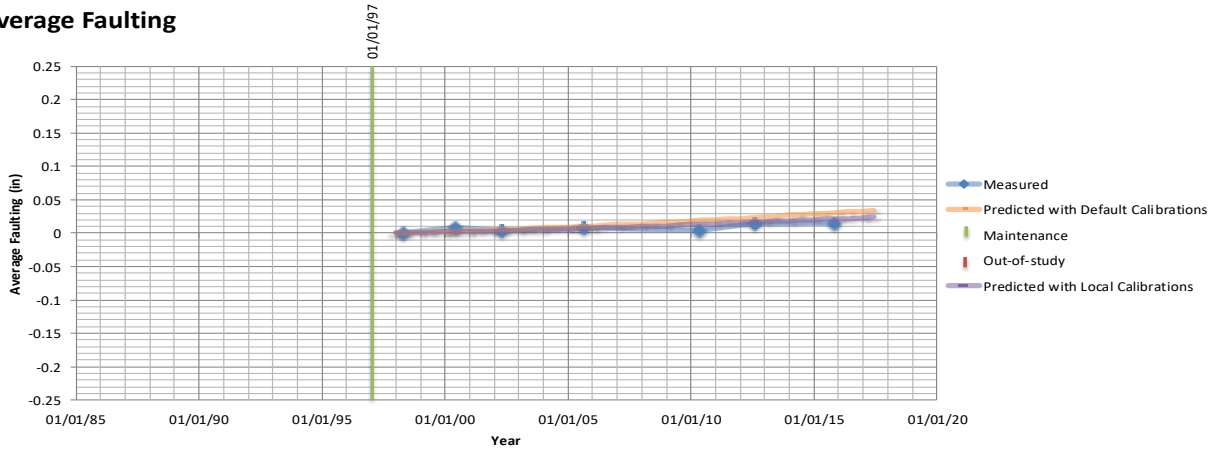

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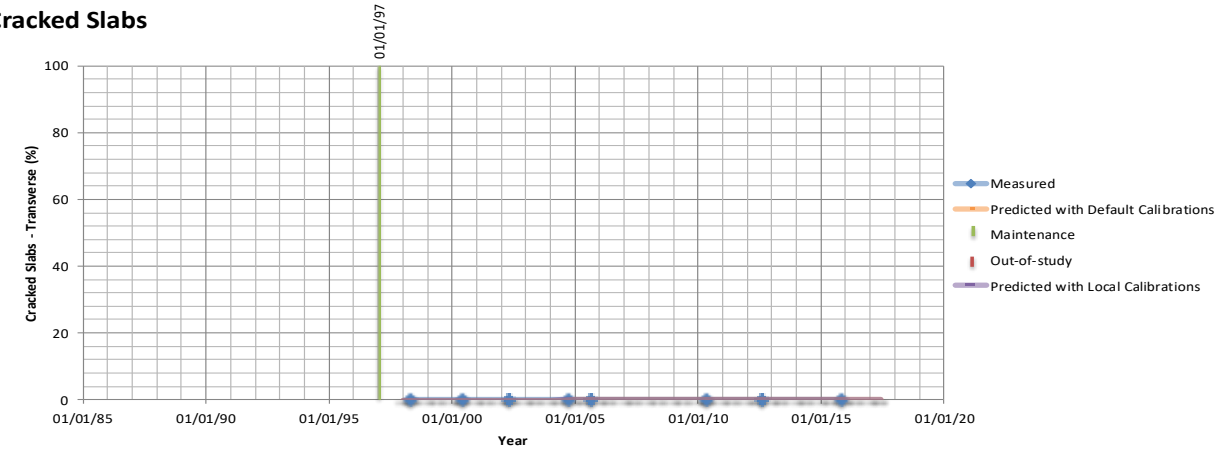

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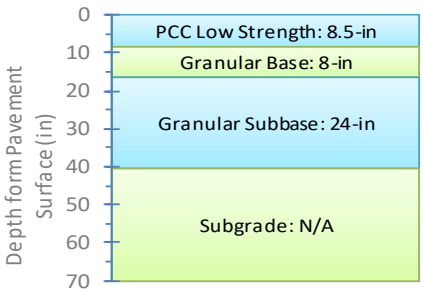

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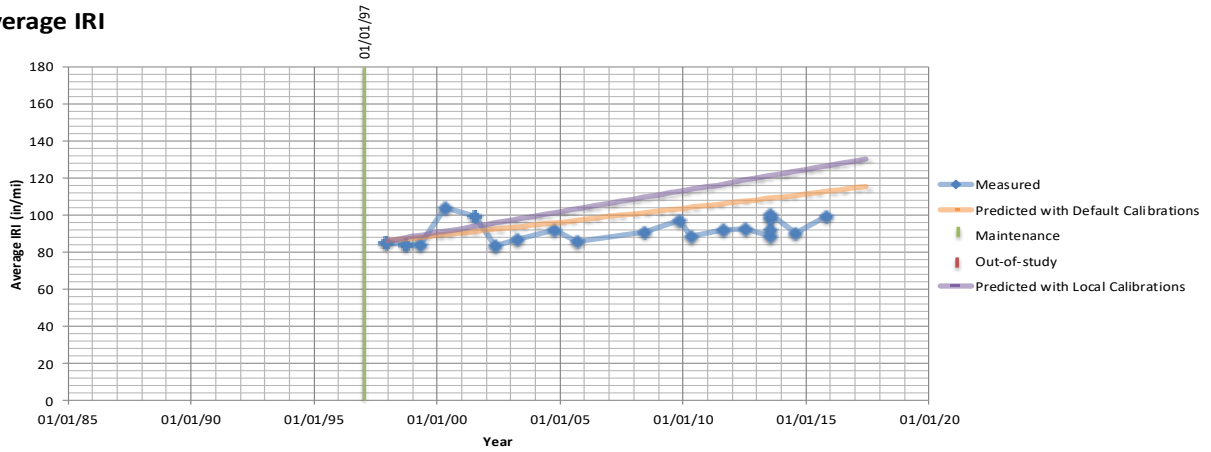

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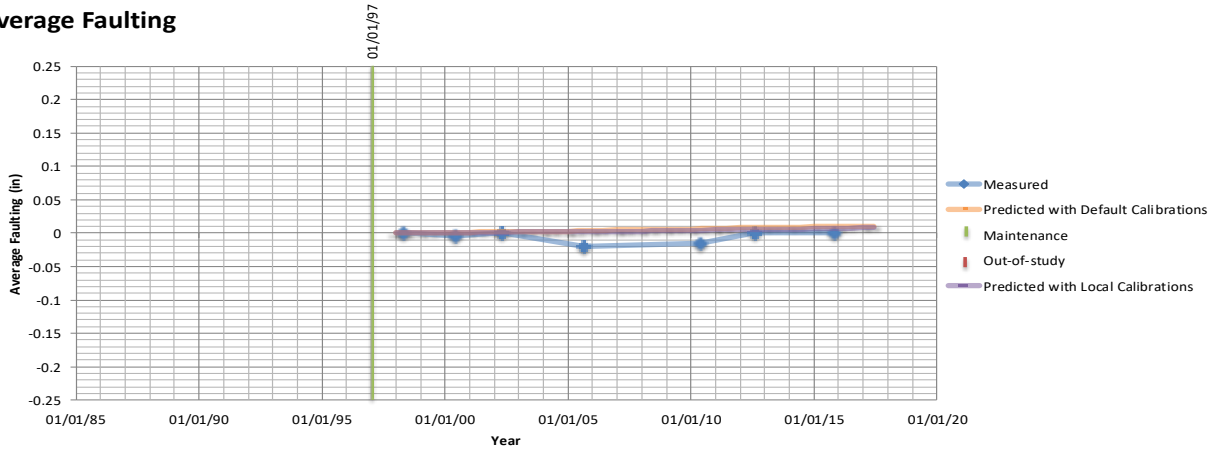

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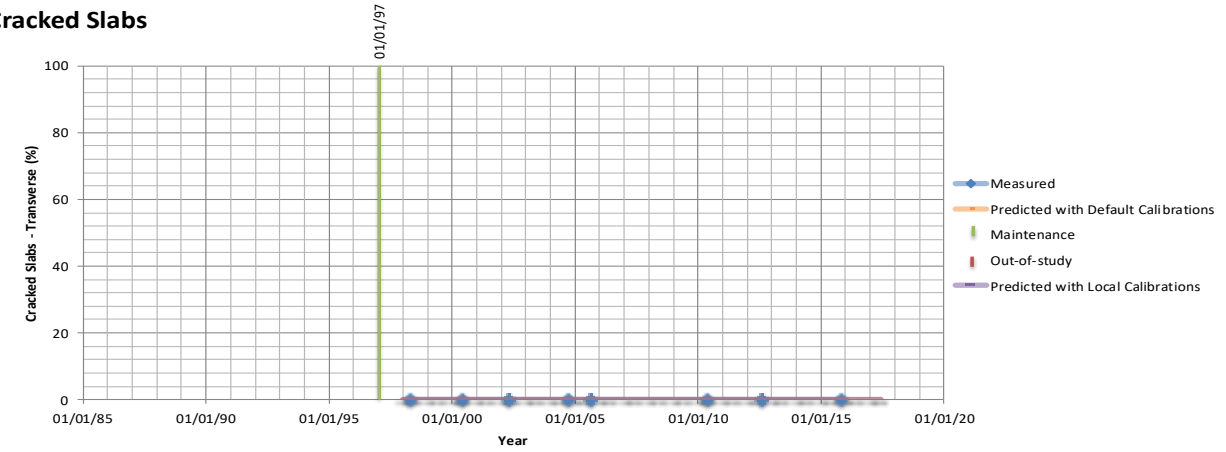

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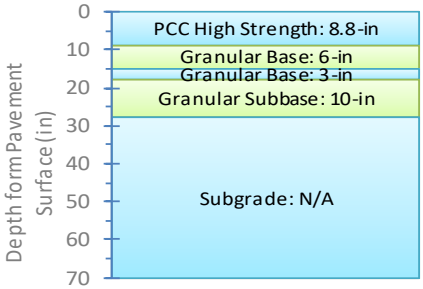
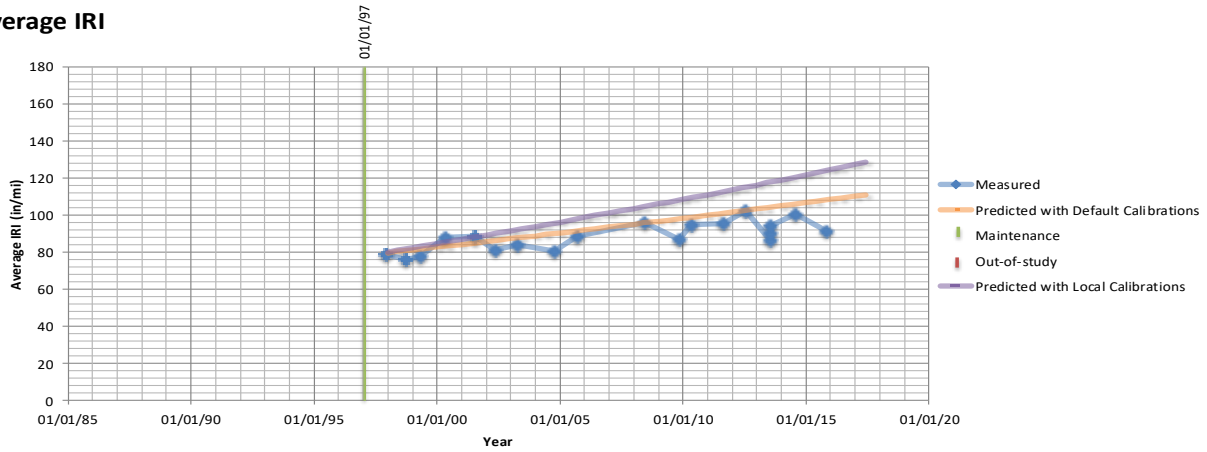
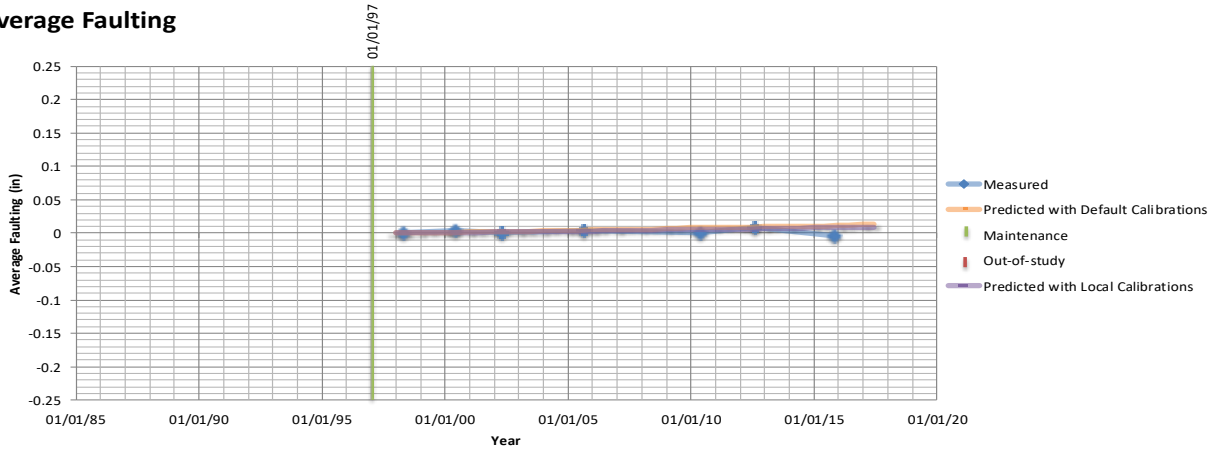


Average IRI



Average Faulting



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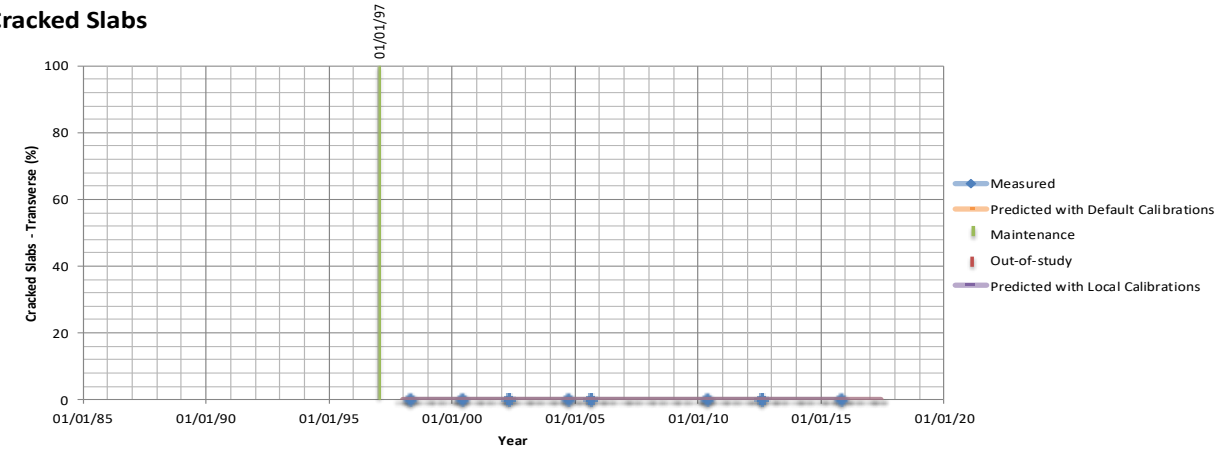

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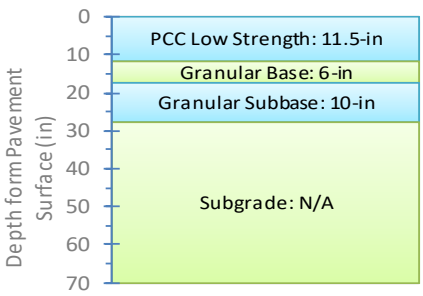
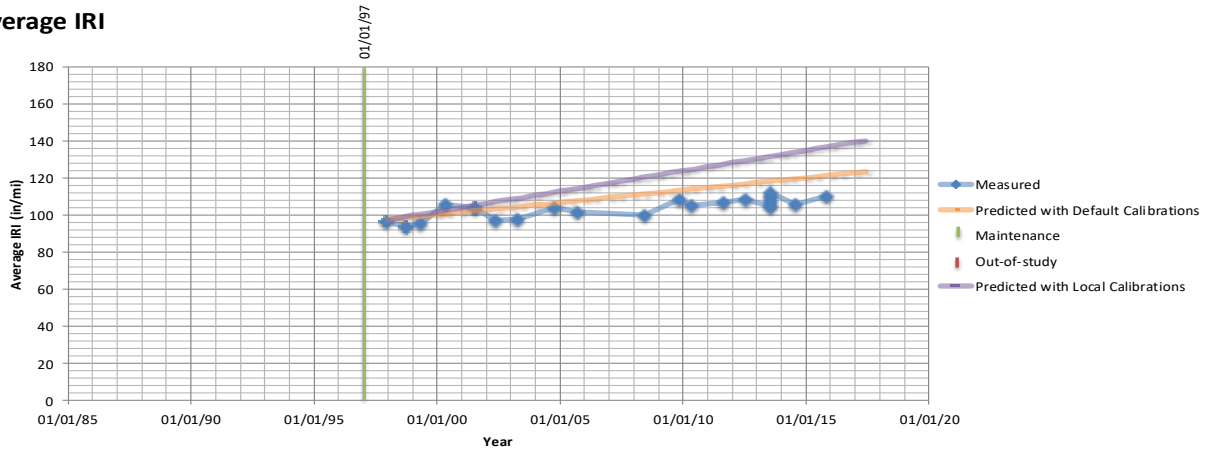
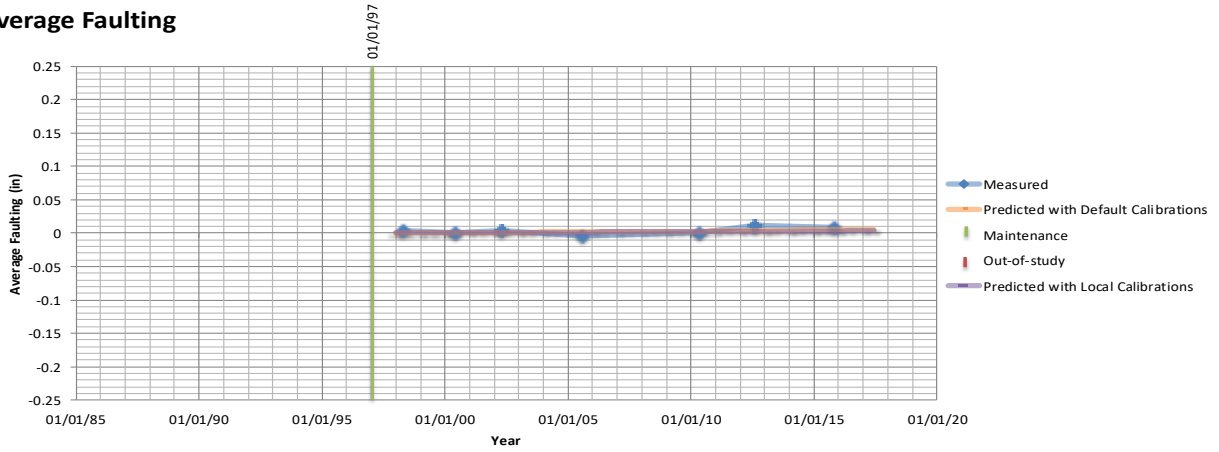


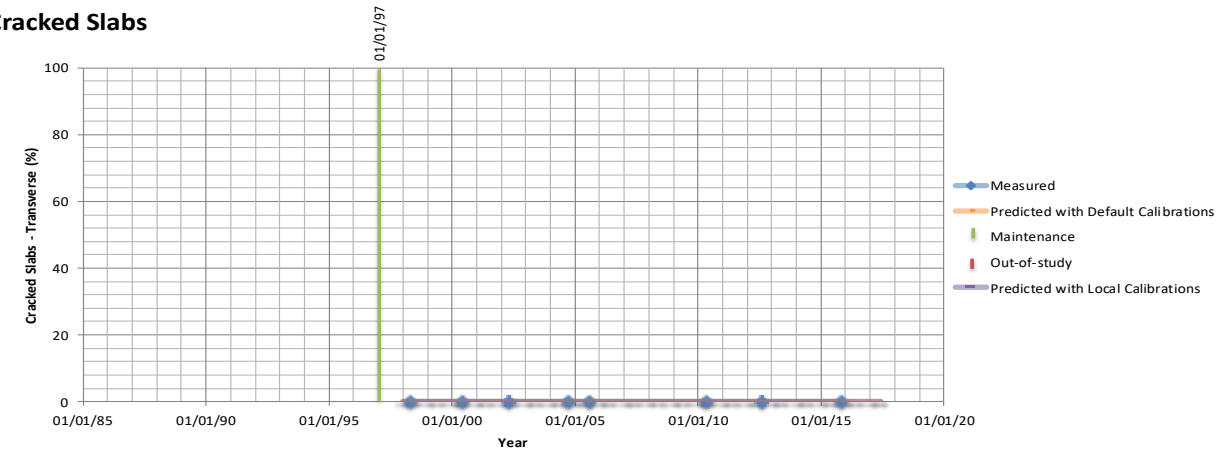
Average IRI



Average Faulting



Cracked Slabs



Date	Event
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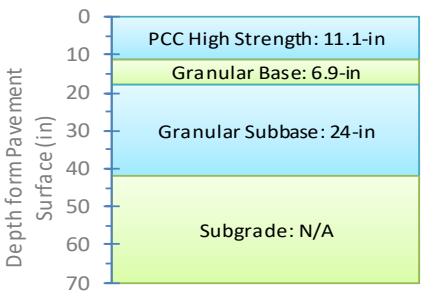
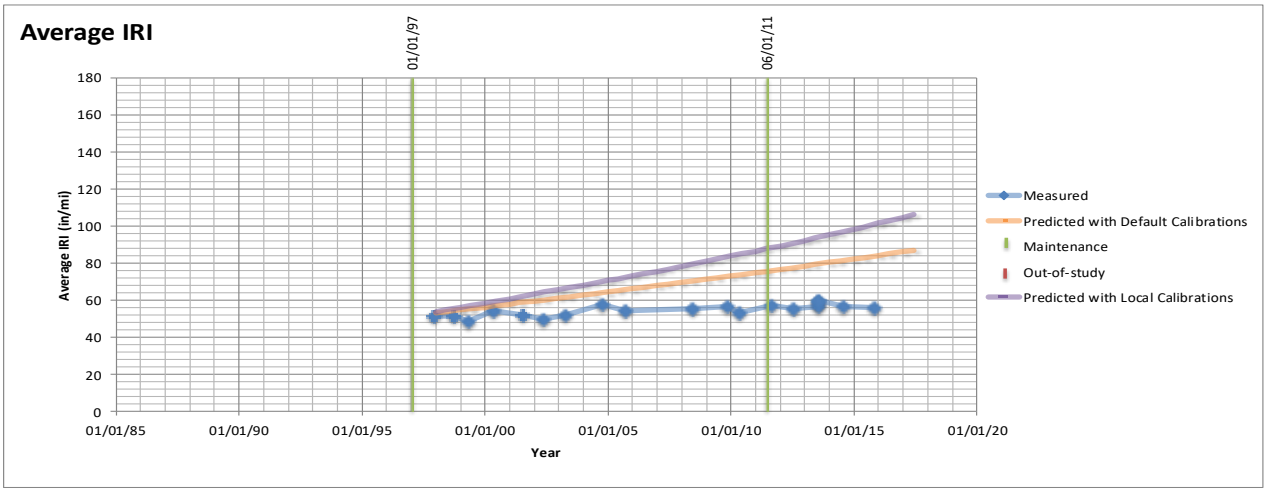
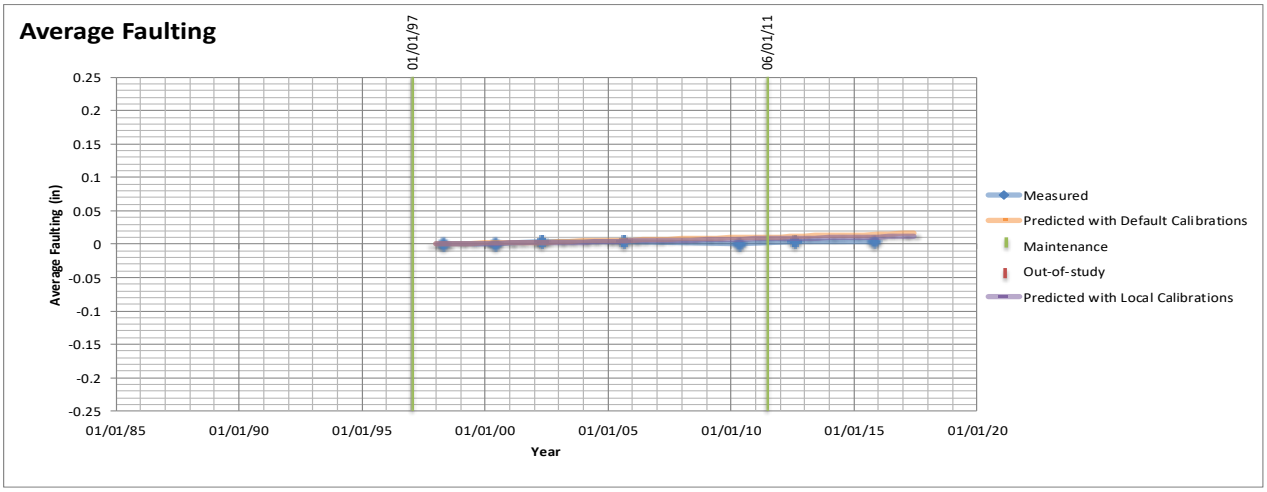
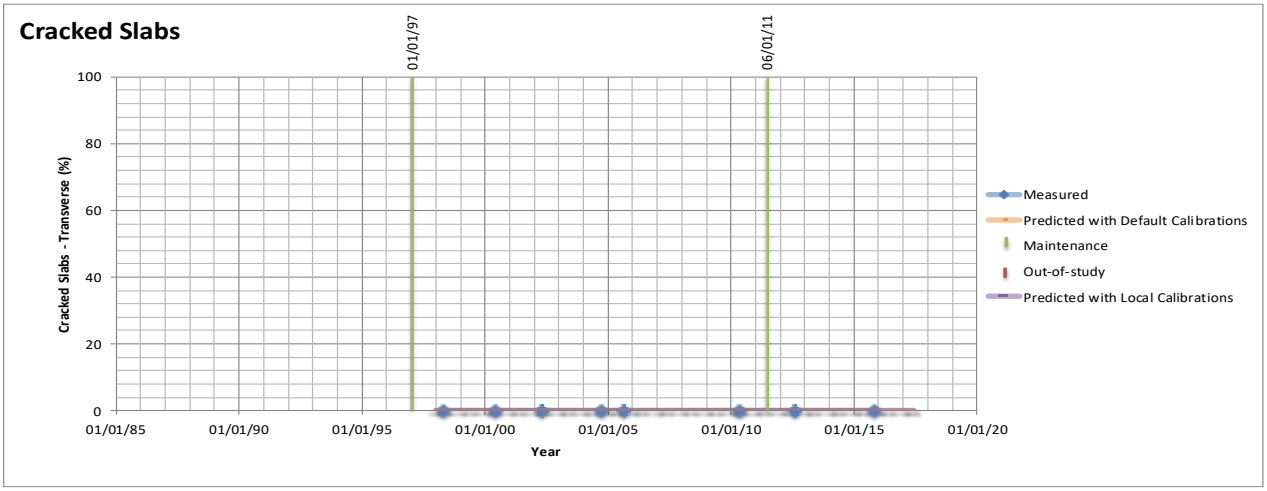
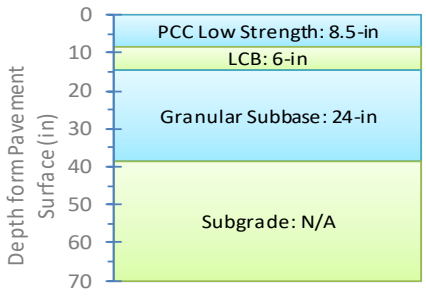




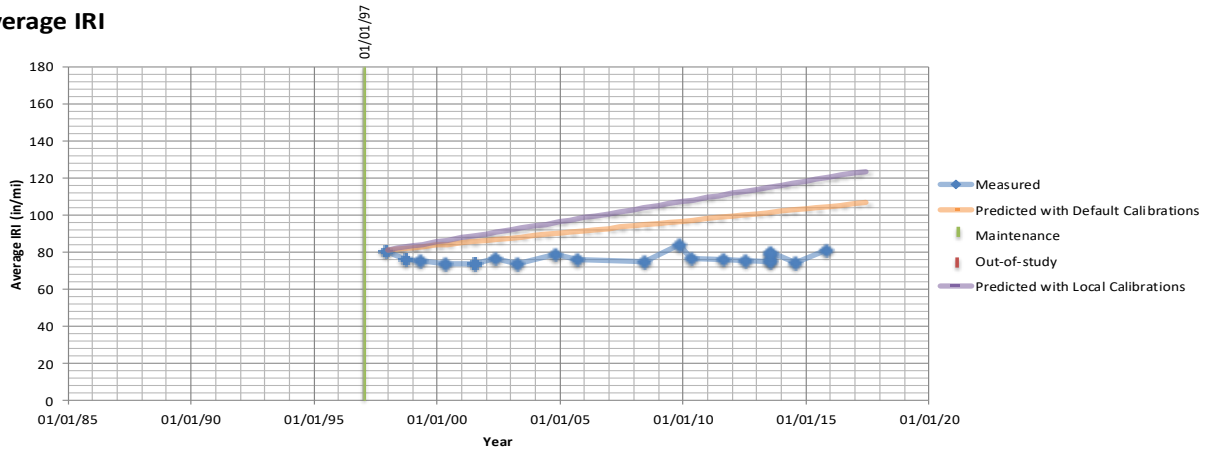




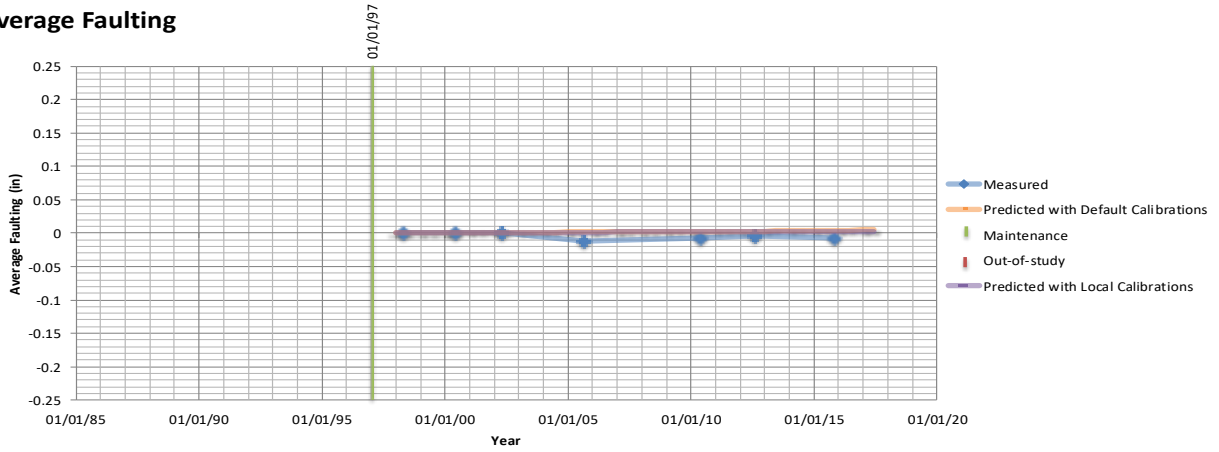
Date	Event
1-Jan-1997	In-study
1-Jun-2011	Patch Pot Holes - Hand Spread, Compacted with Truck



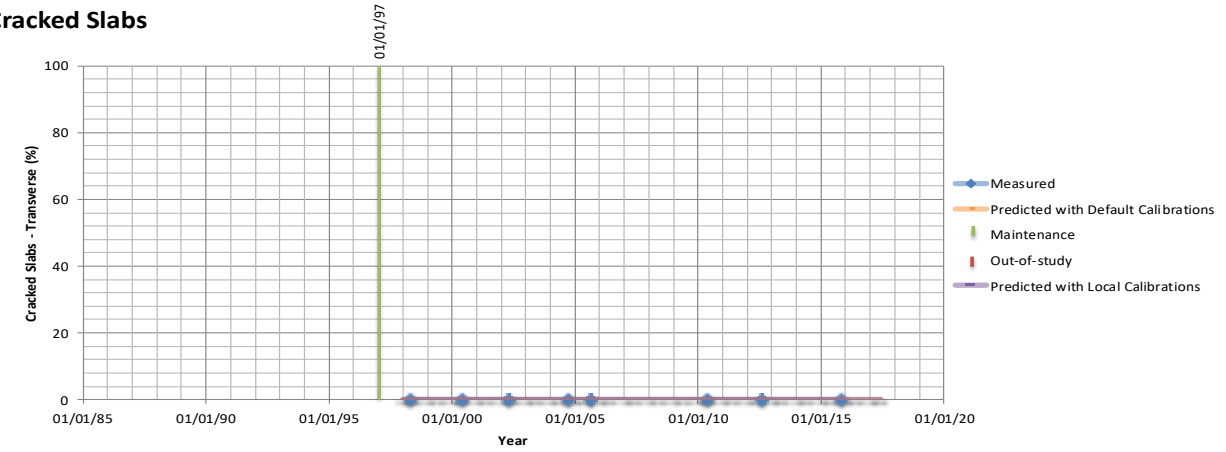
Average IRI



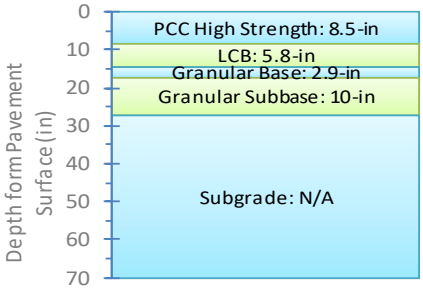
Average Faulting



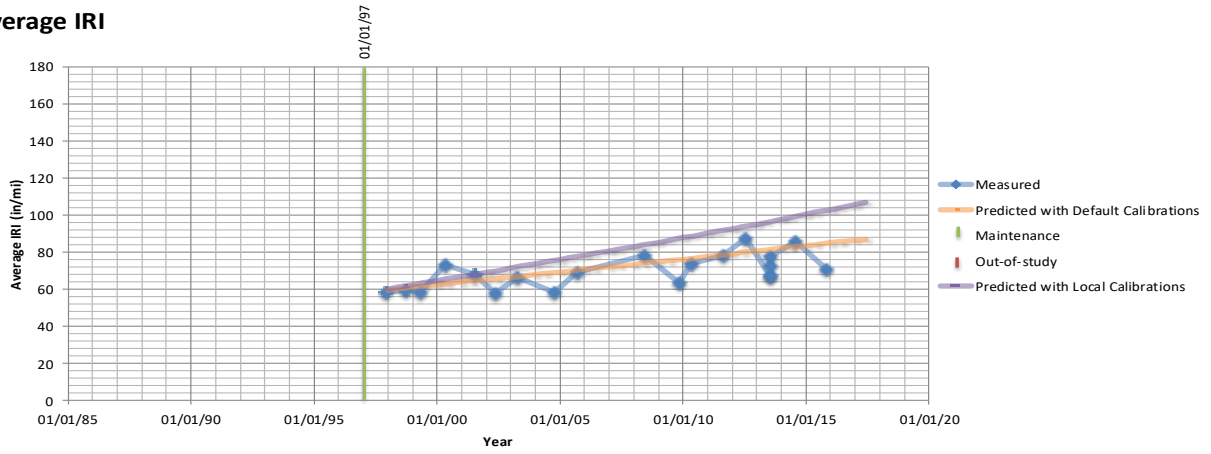
Cracked Slabs



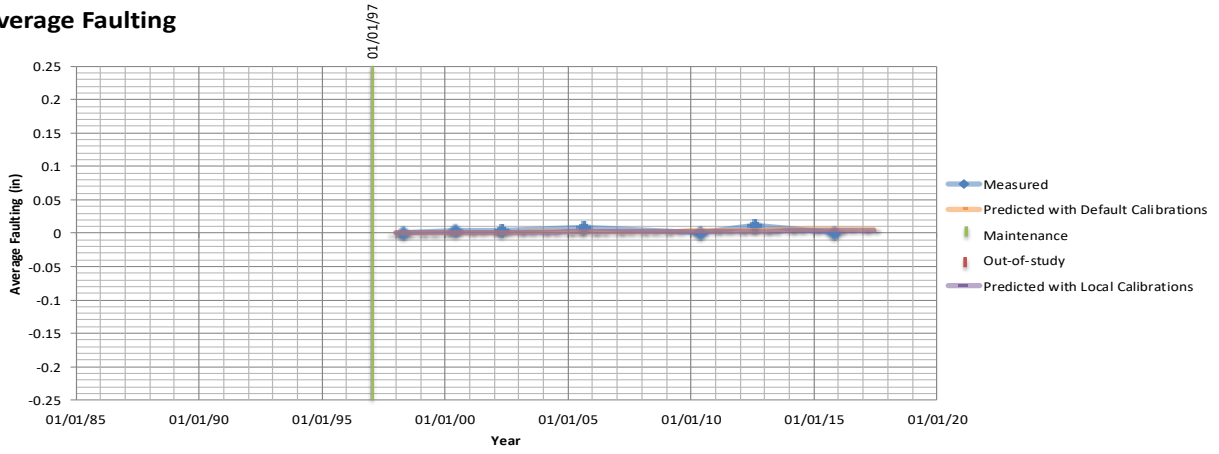
Date	Event
1-Jan-1997	In-study



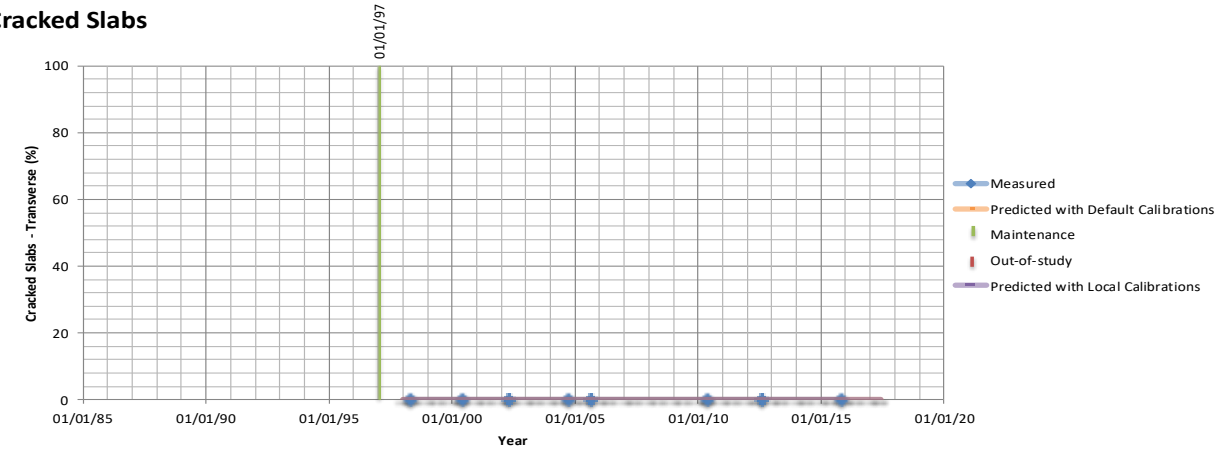
Average IRI



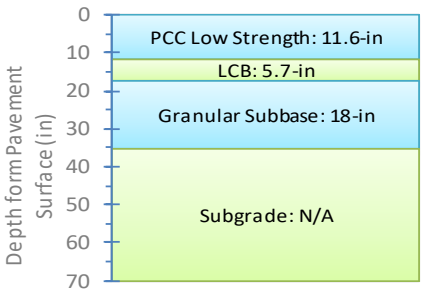
Average Faulting

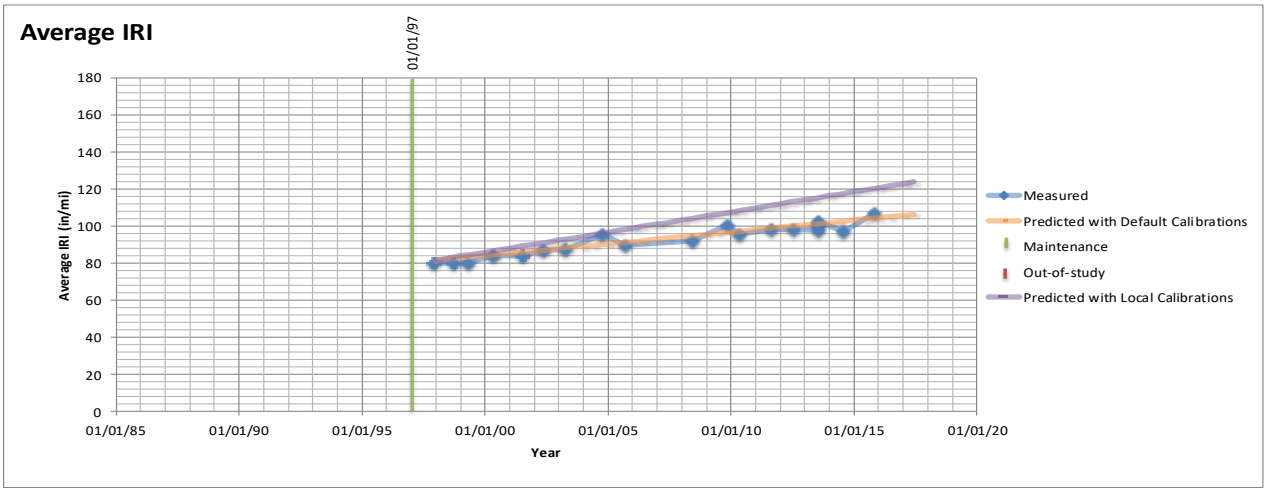


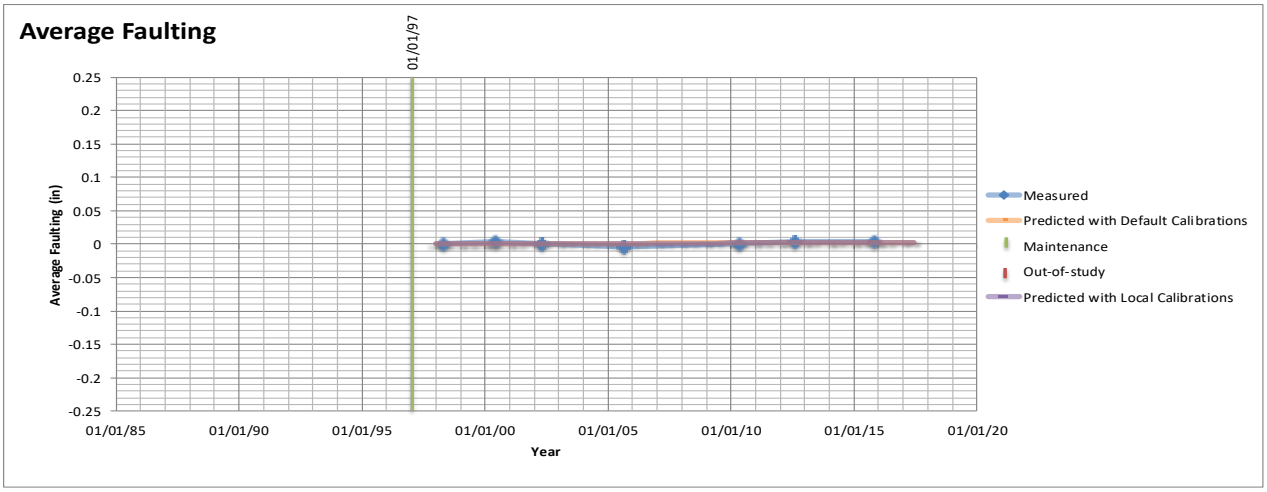
Cracked Slabs

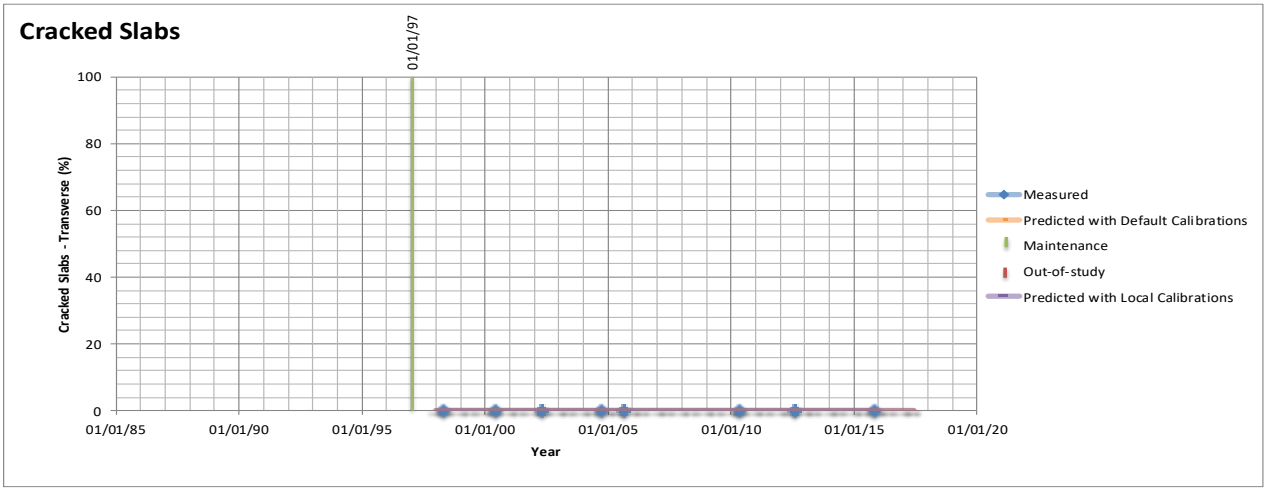


Date	Event
1-Jan-1997	In-study

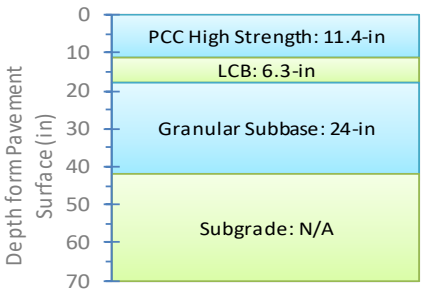




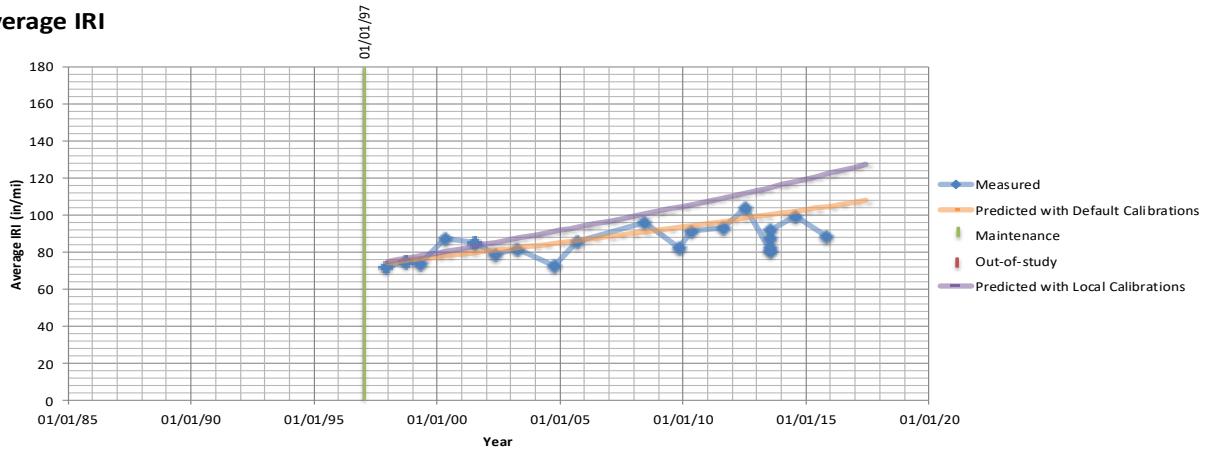




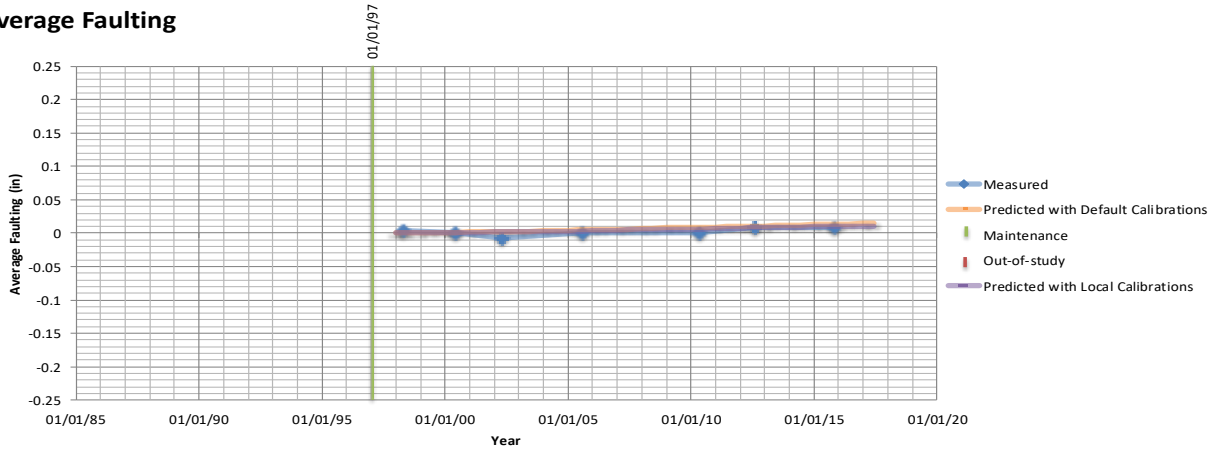
Date	Event
1-Jan-1997	In-study



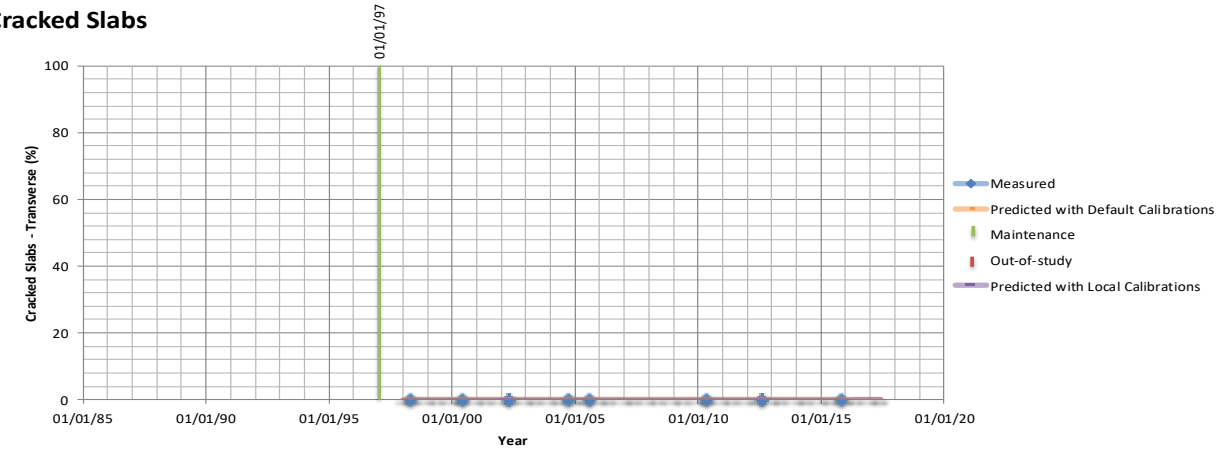
Average IRI



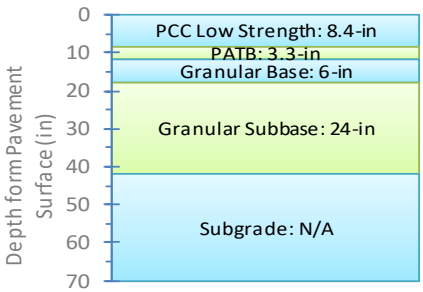
Average Faulting



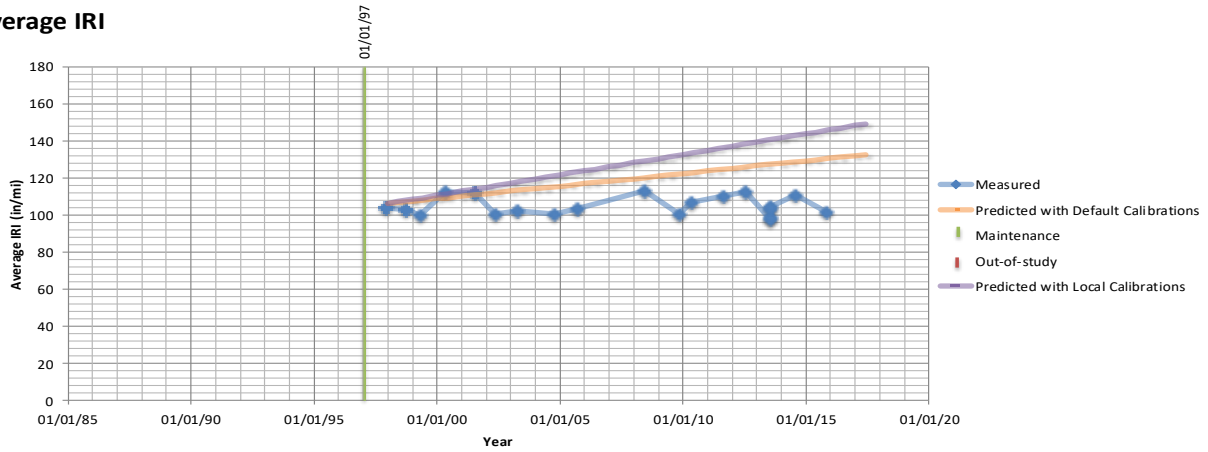
Cracked Slabs



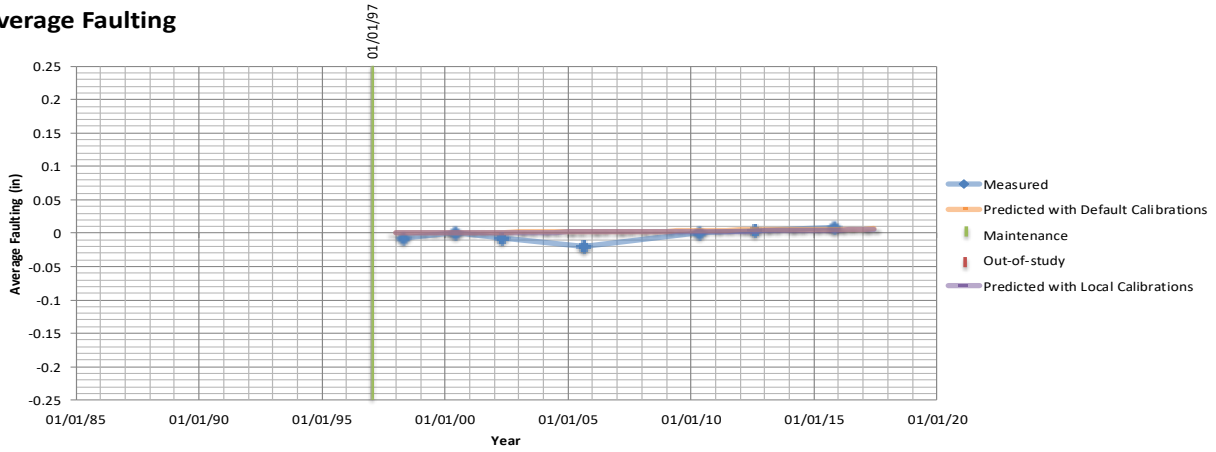
Date	Event
1-Jan-1997	In-study



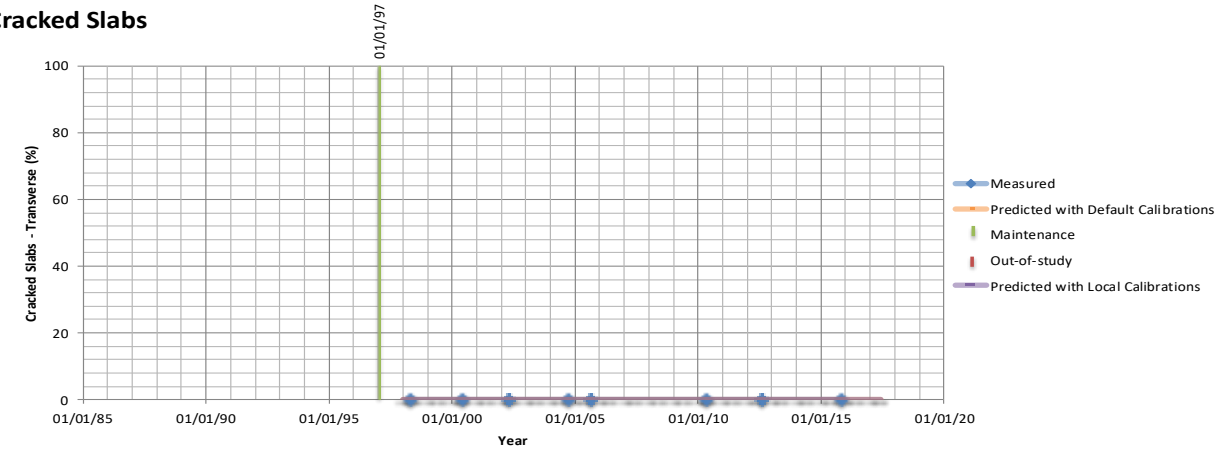
Average IRI



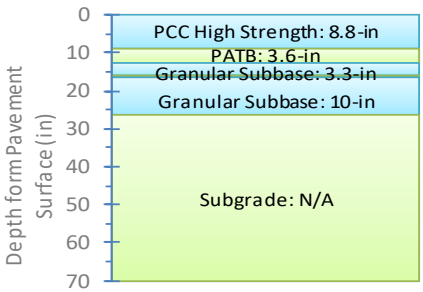
Average Faulting



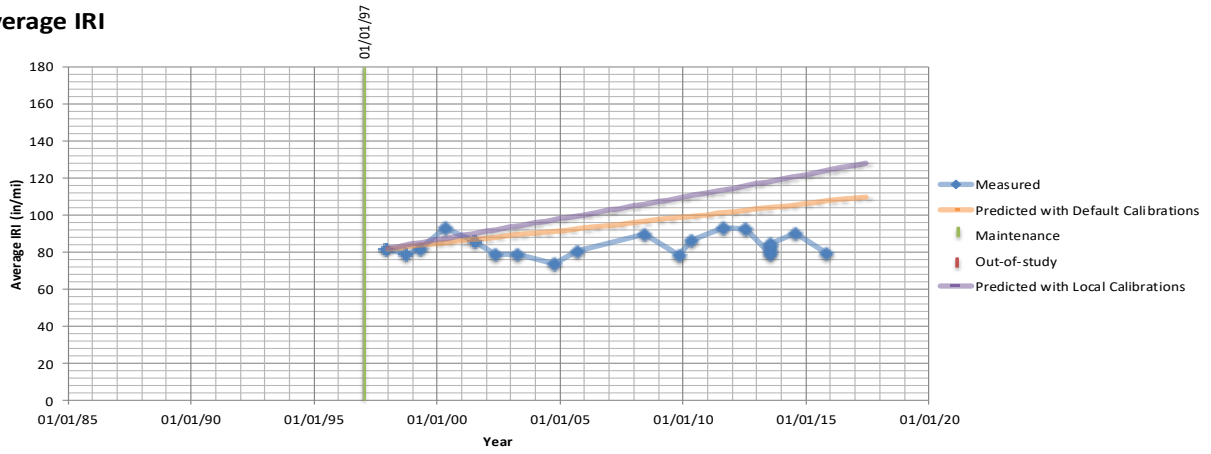
Cracked Slabs



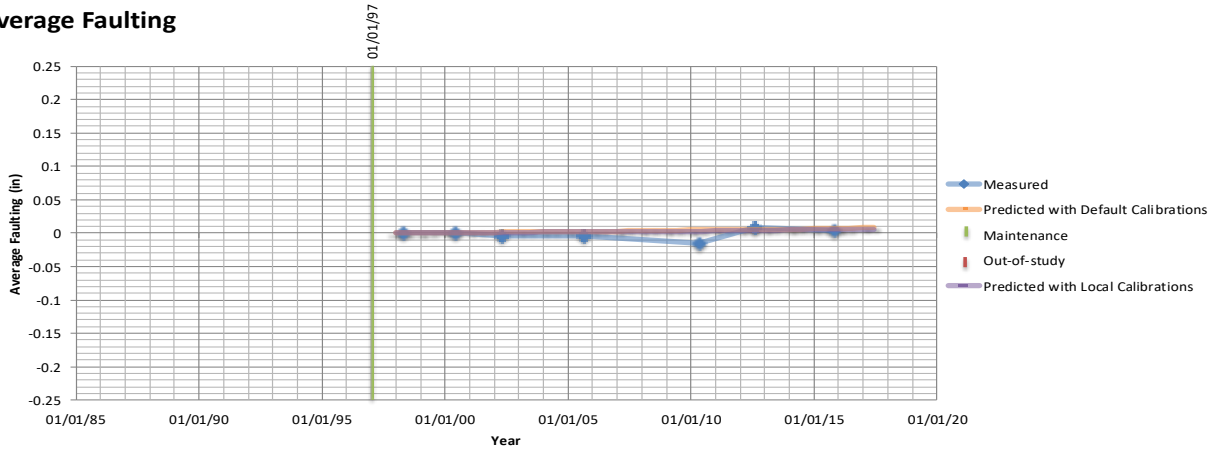
Date	Event
1-Jan-1997	In-study



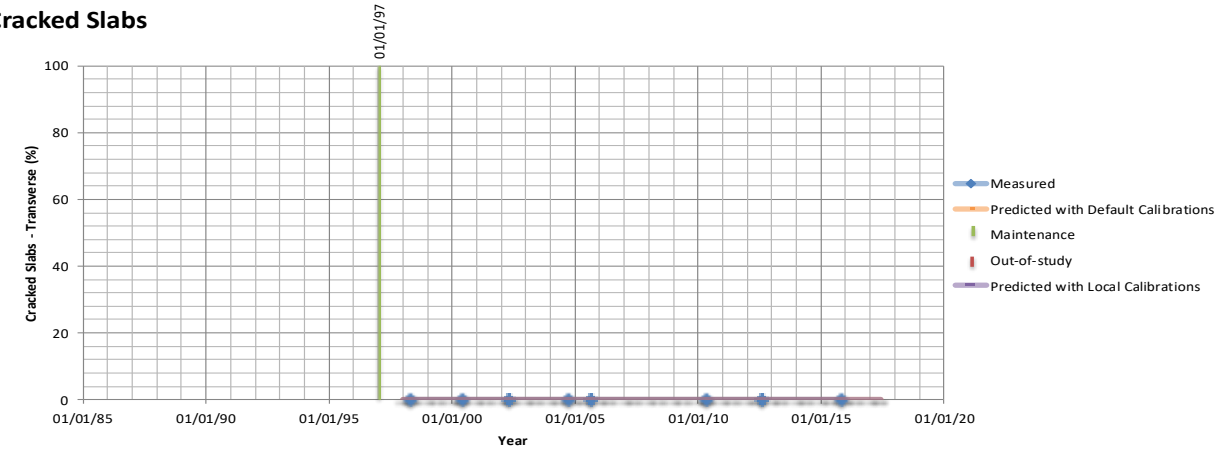
Average IRI



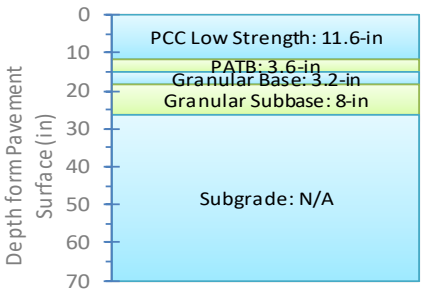
Average Faulting



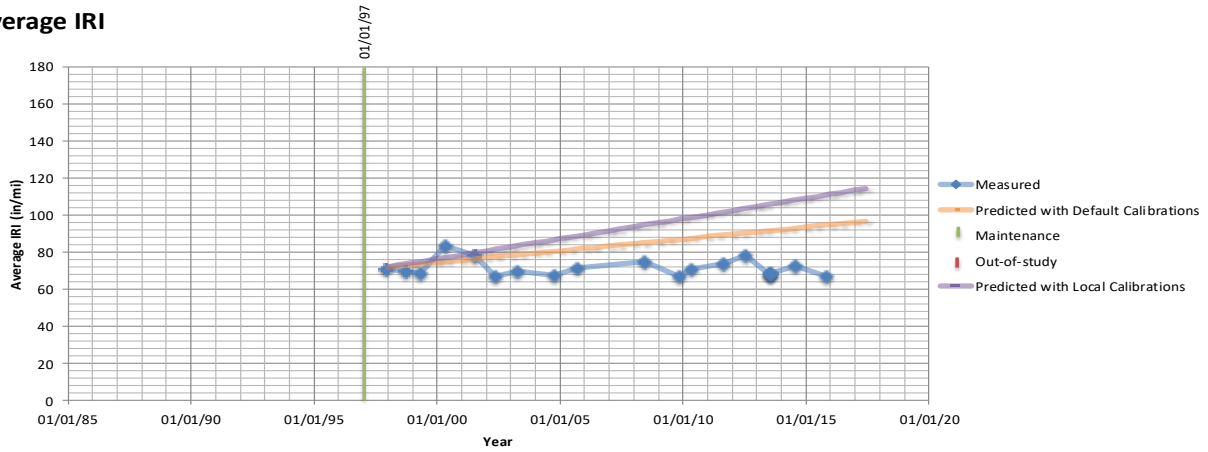
Cracked Slabs



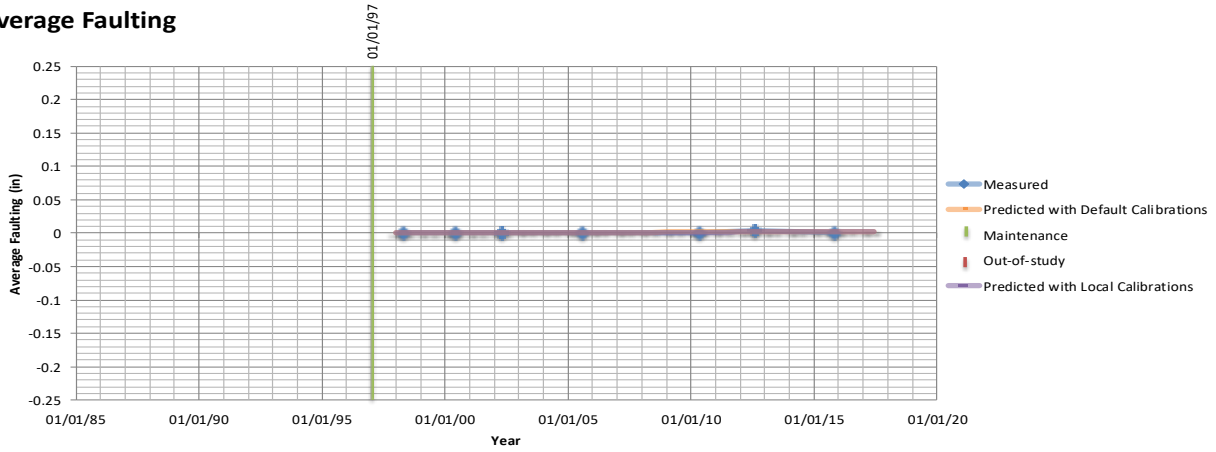
Date	Event
1-Jan-1997	In-study



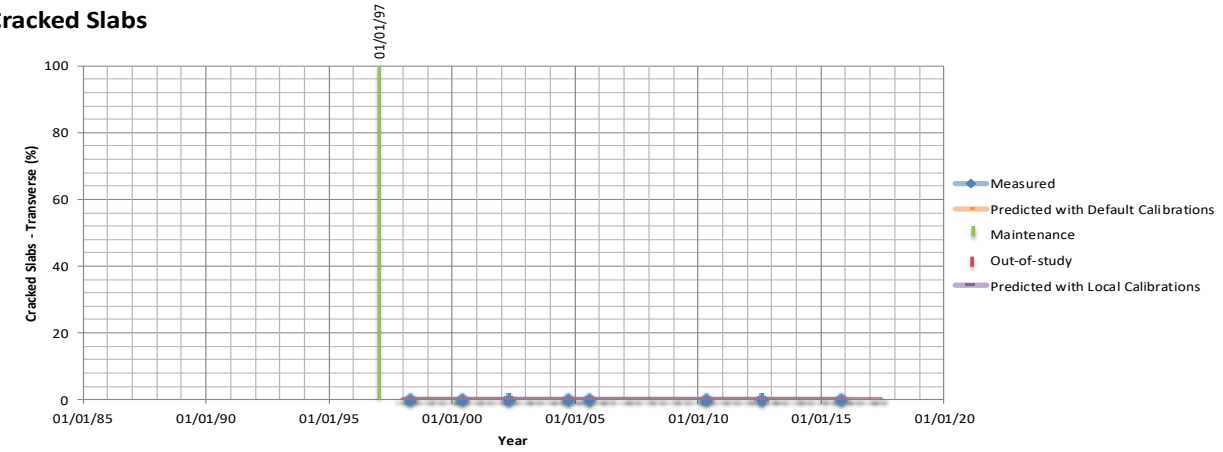
Average IRI



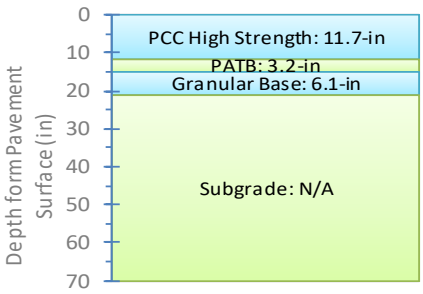
Average Faulting



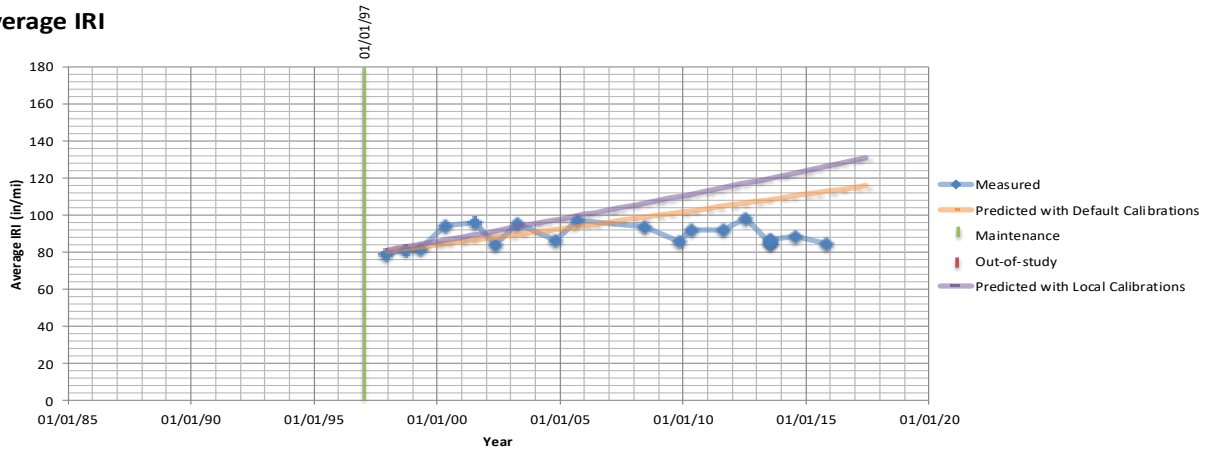
Cracked Slabs



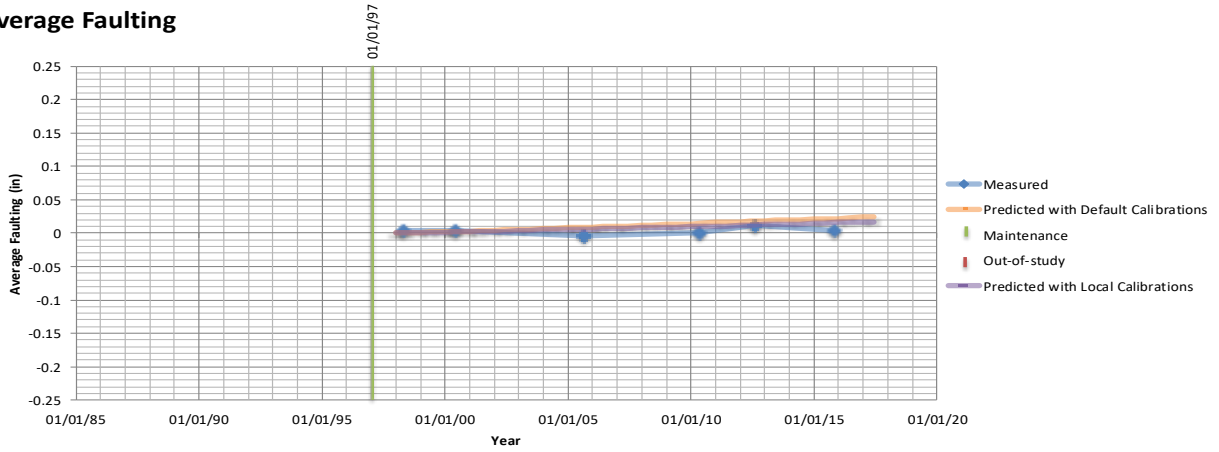
Date	Event
1-Jan-1997	In-study



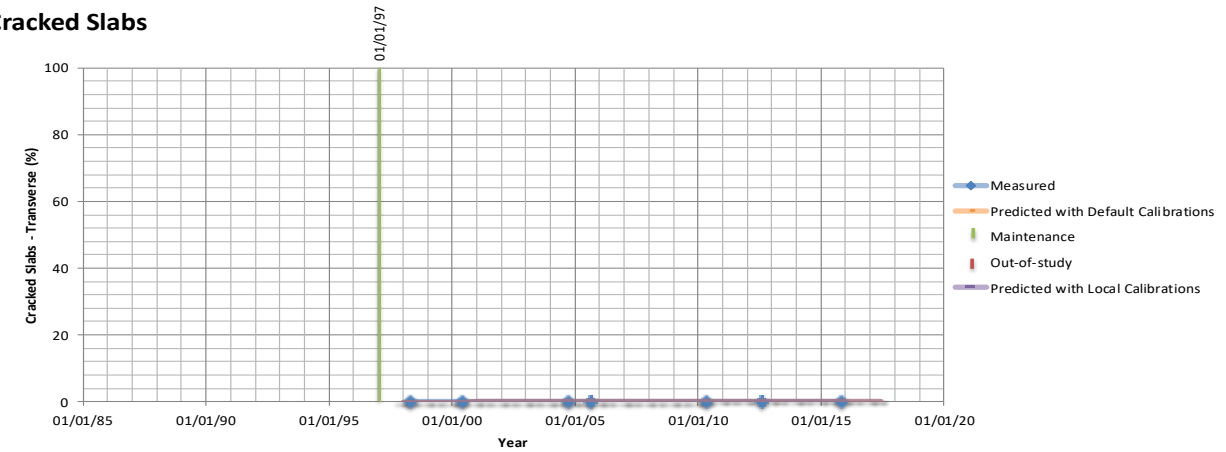
Average IRI



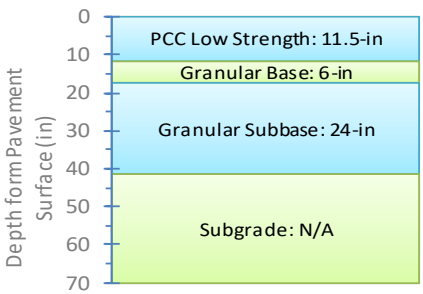
Average Faulting



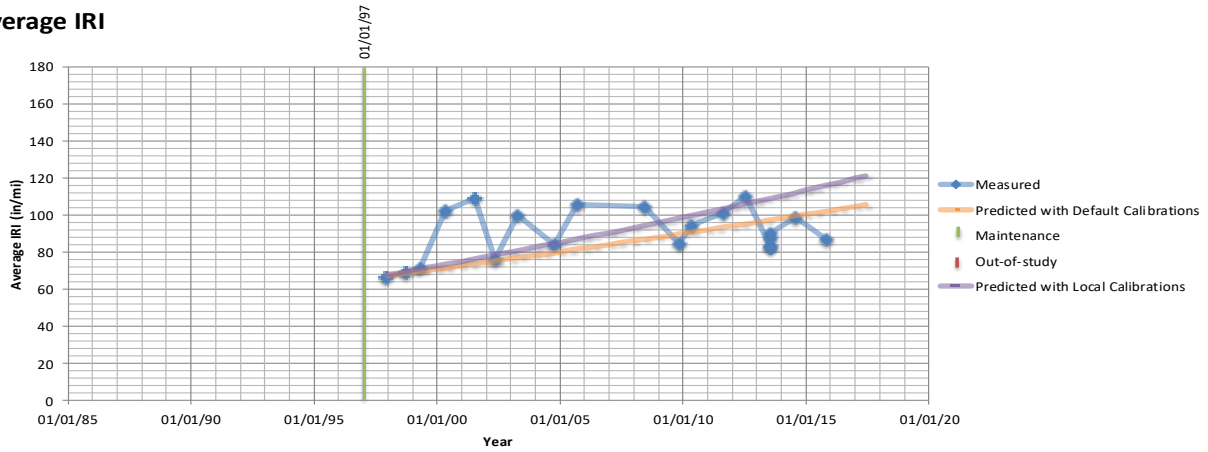
Cracked Slabs



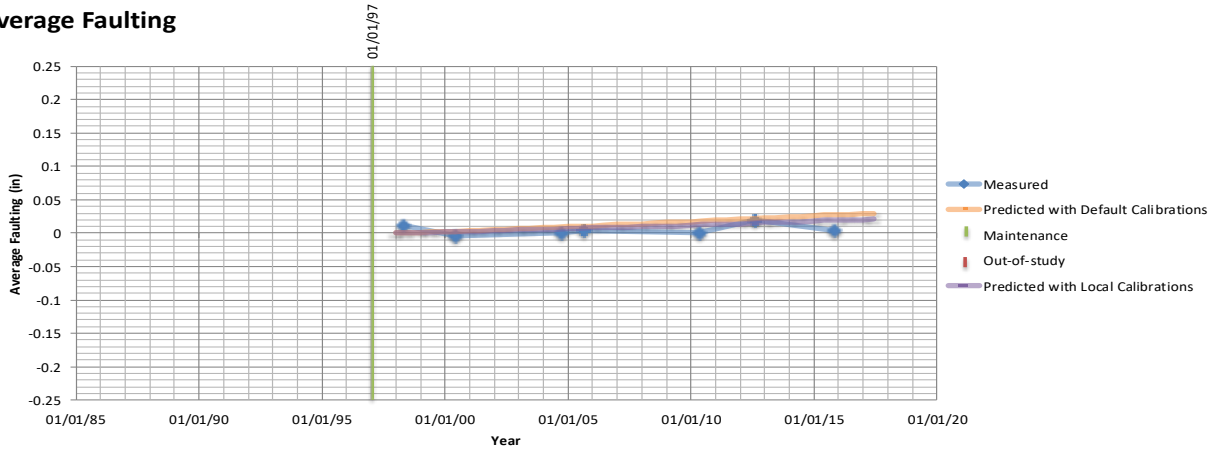
Date	Event
1-Jan-1997	In-study



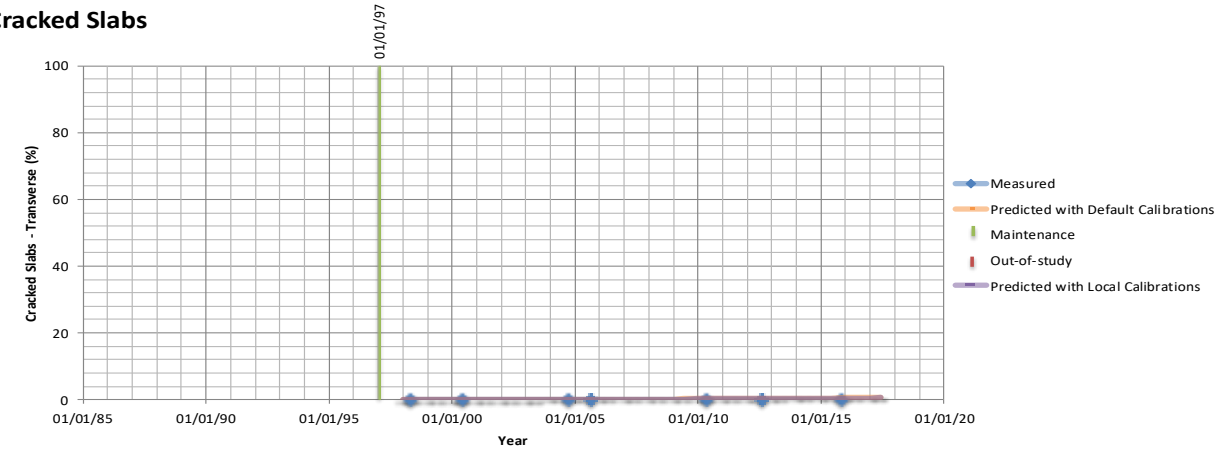
Average IRI



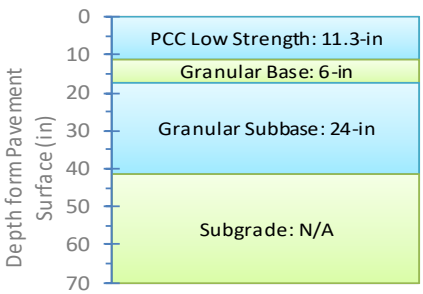
Average Faulting



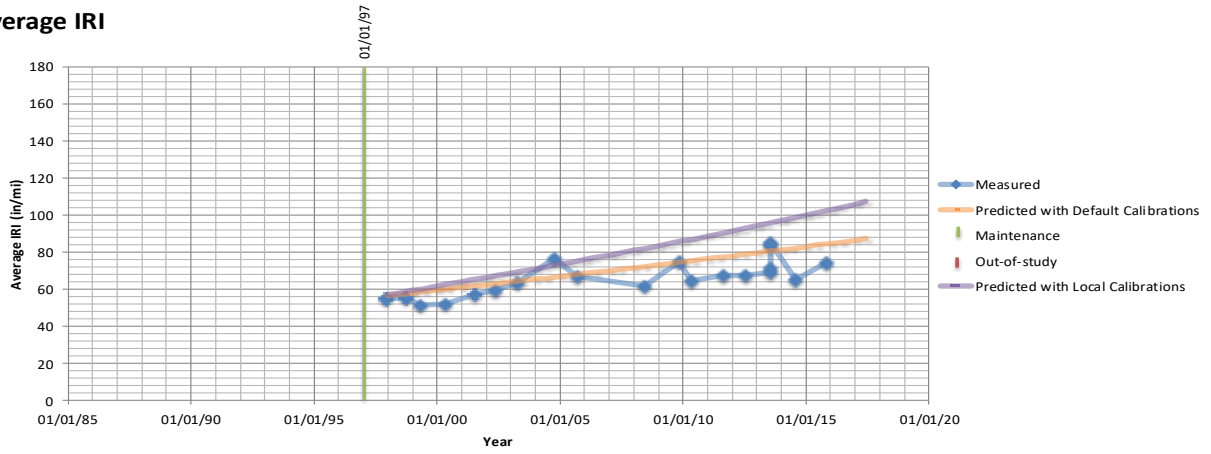
Cracked Slabs



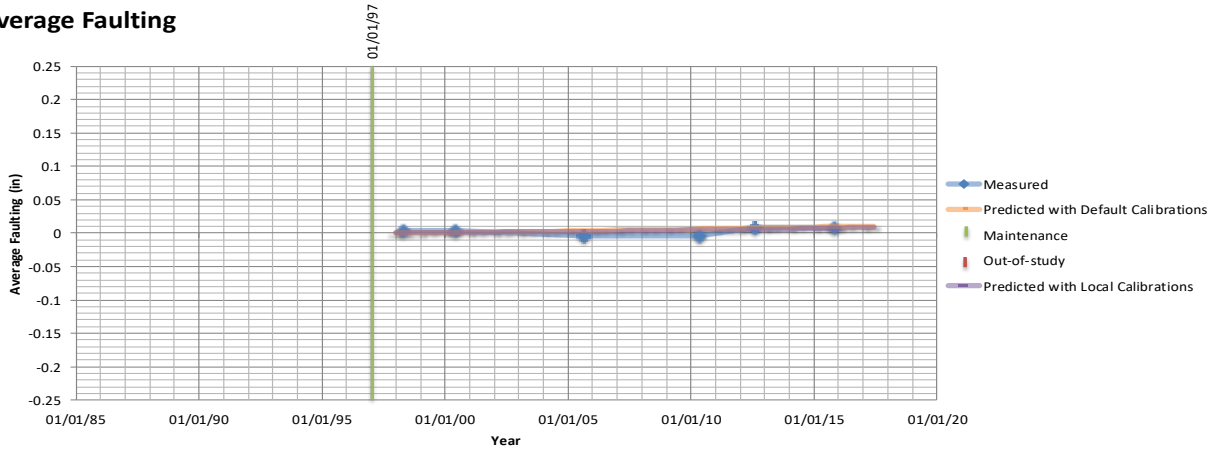
Date	Event
1-Jan-1997	In-study



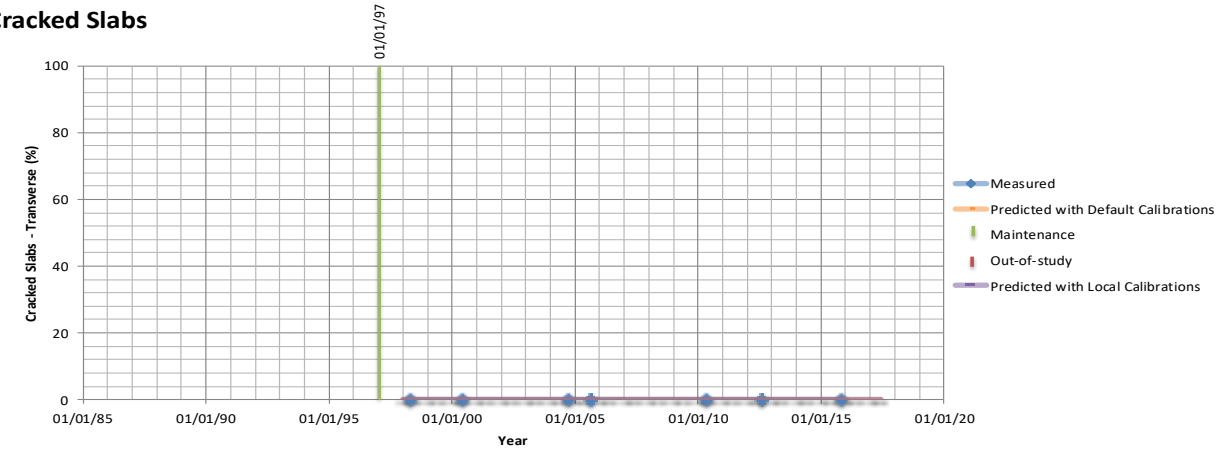
Average IRI



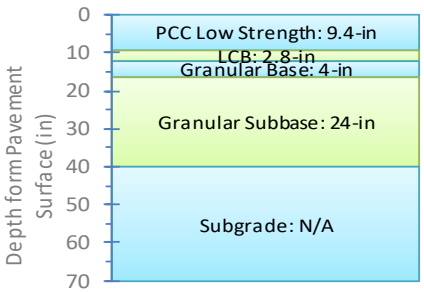
Average Faulting



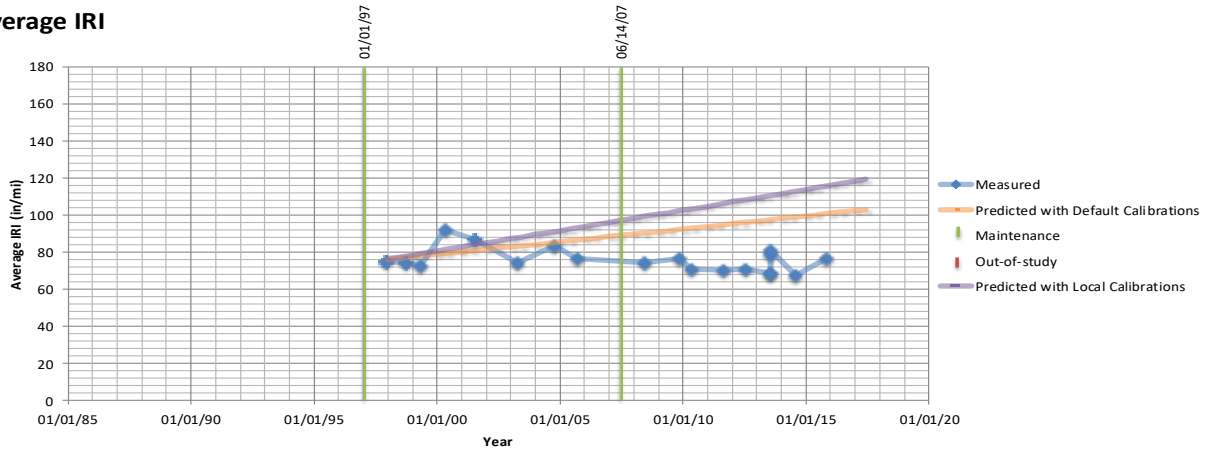
Cracked Slabs



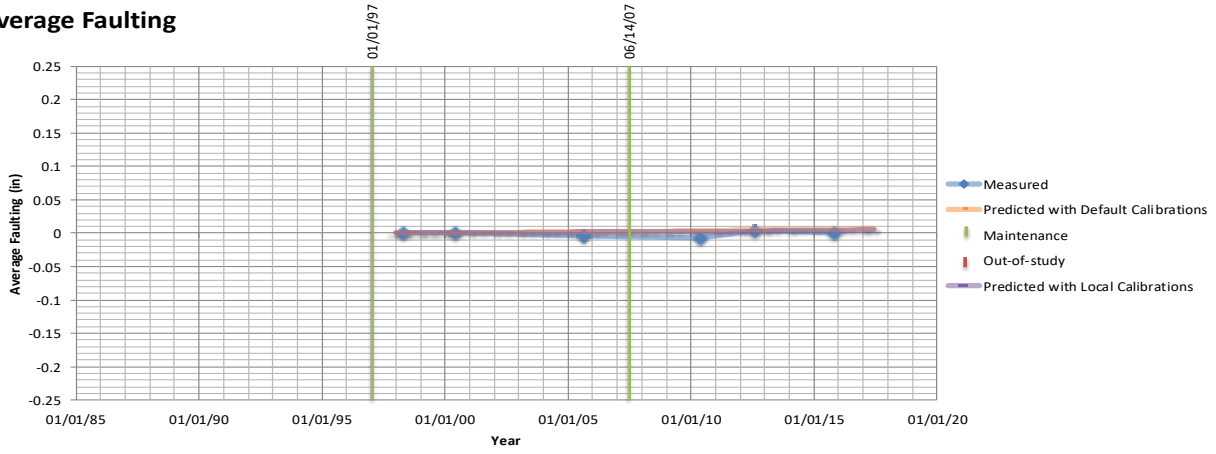
Date	Event
1-Jan-1997	In-study



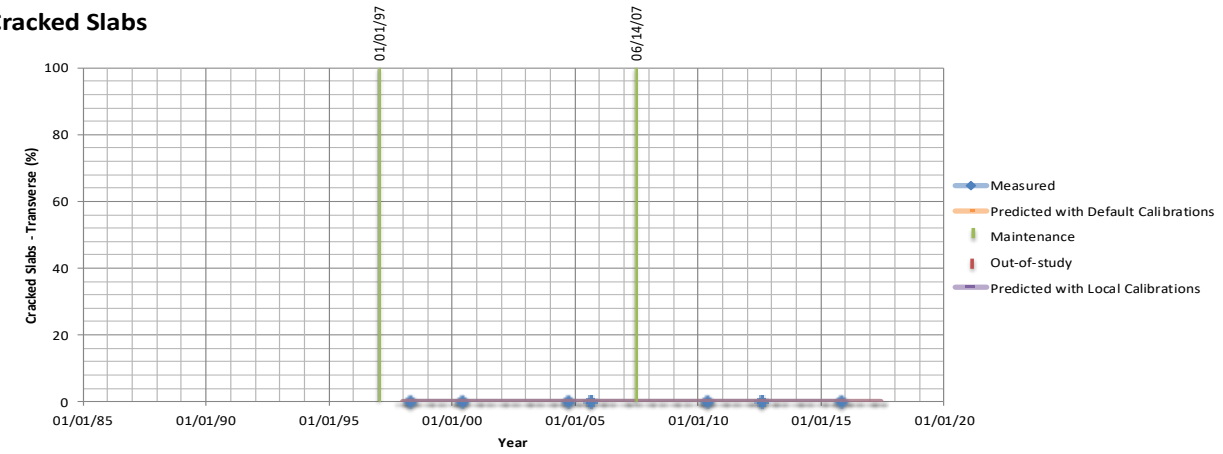
Average IRI



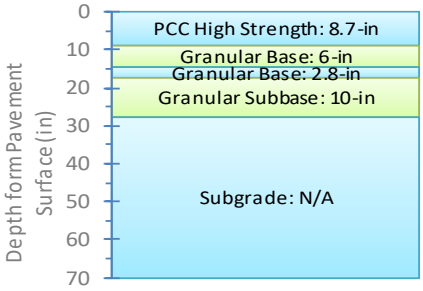
Average Faulting



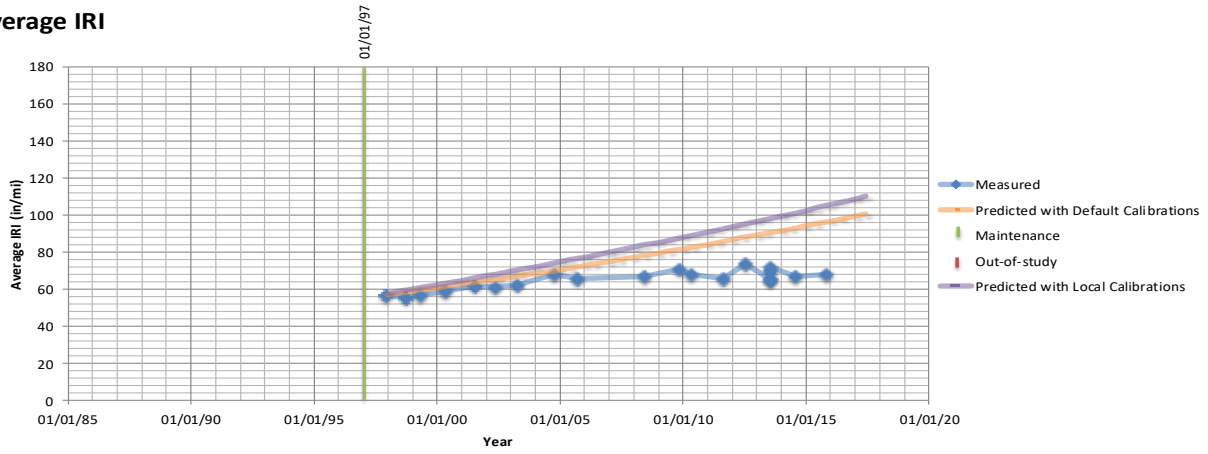
Cracked Slabs



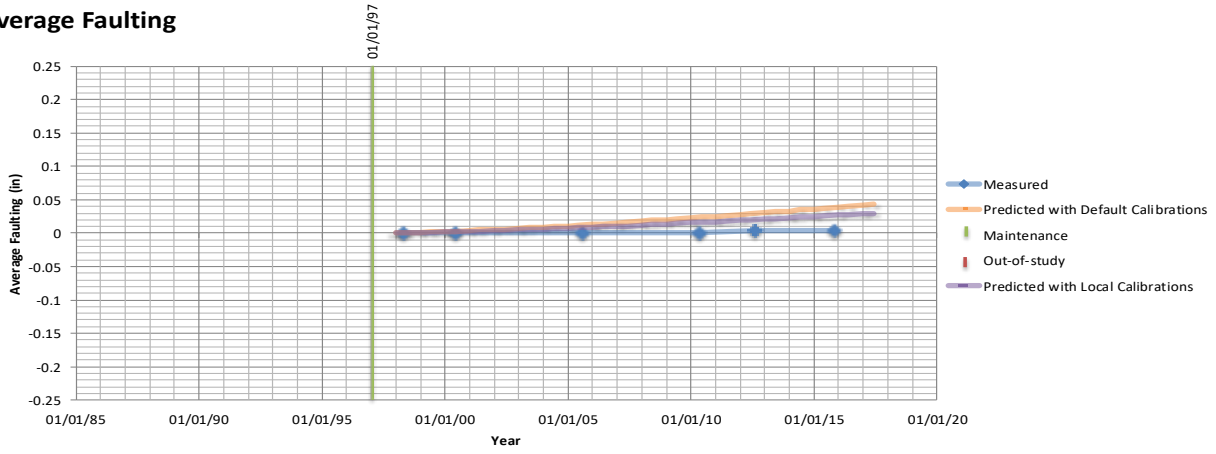
Date	Event
1-Jan-1997	In-study
14-Jun-2007	Grinding Surface



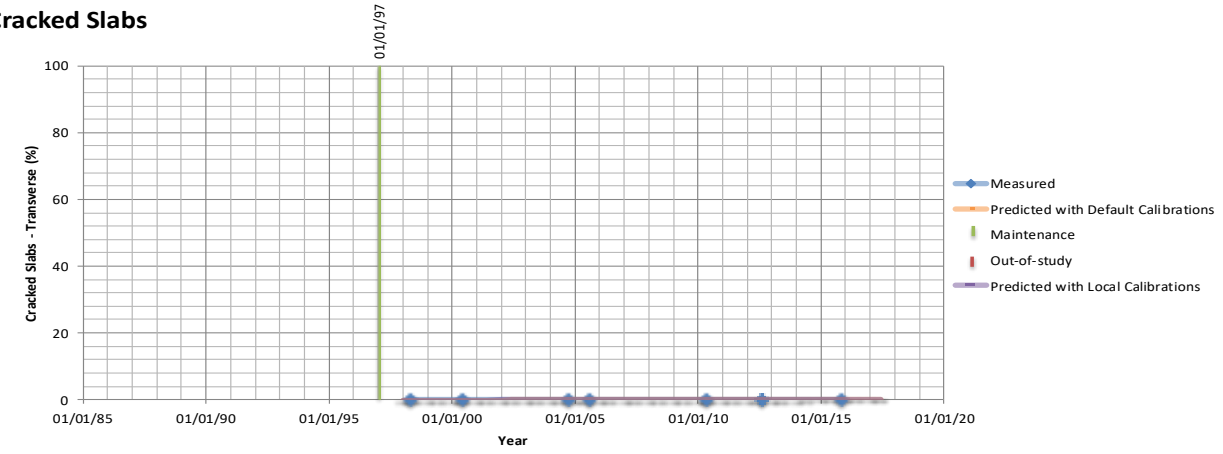
Average IRI



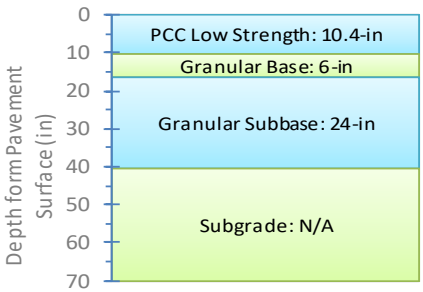
Average Faulting



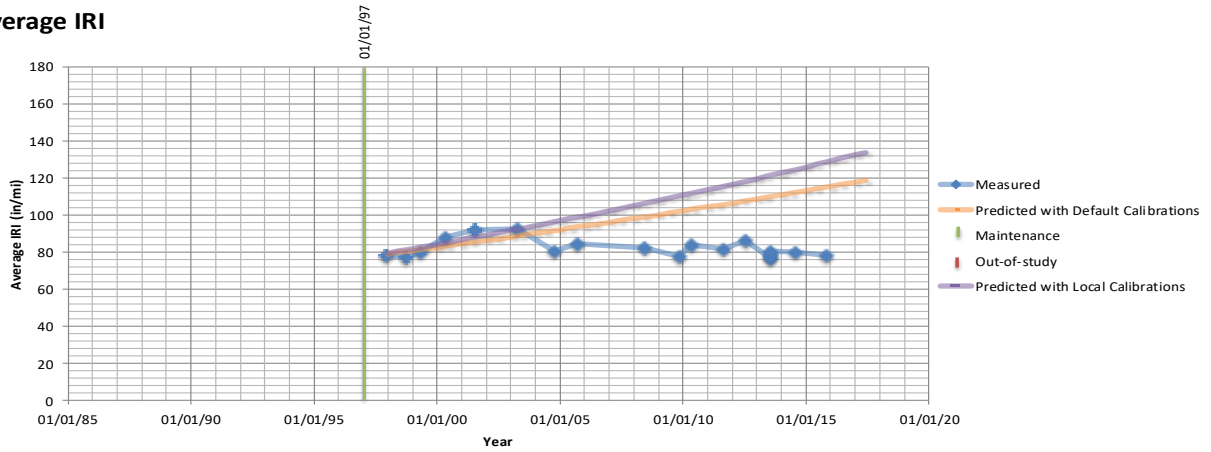
Cracked Slabs



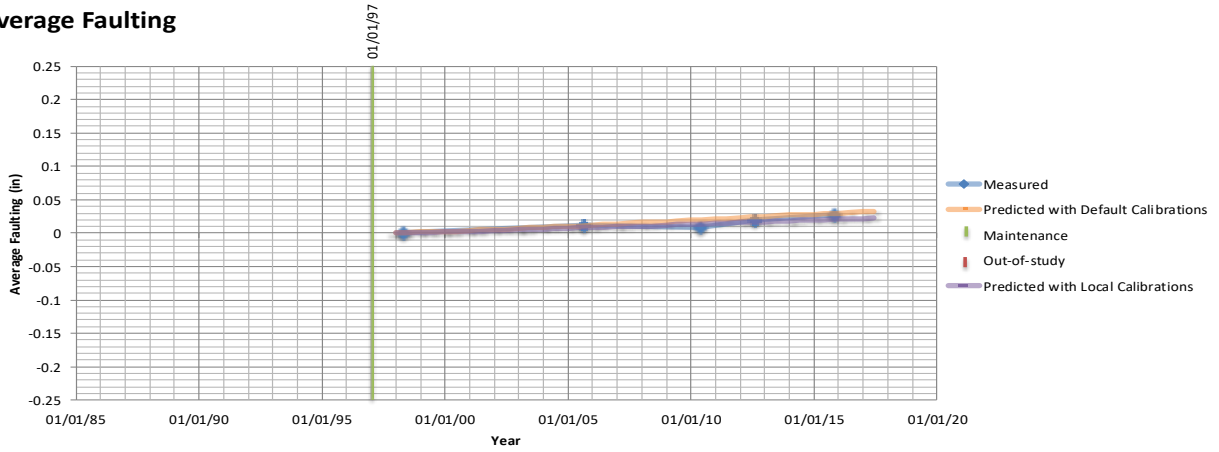
Date	Event
1-Jan-1997	In-study



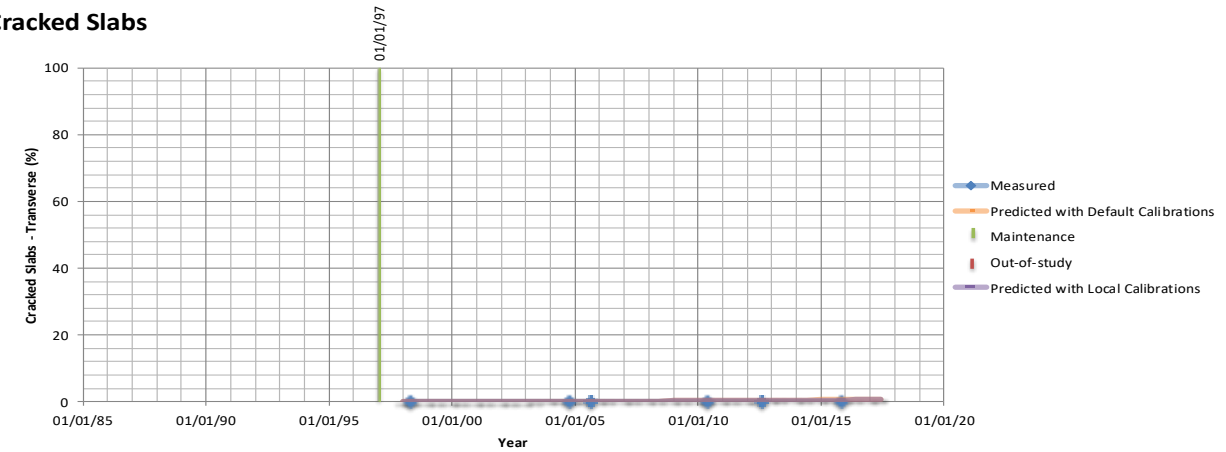
Average IRI



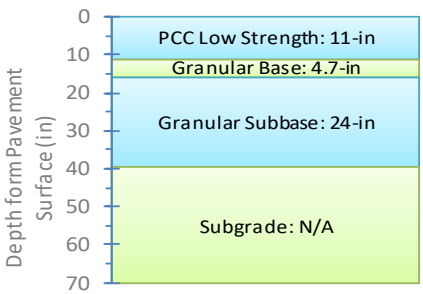
Average Faulting

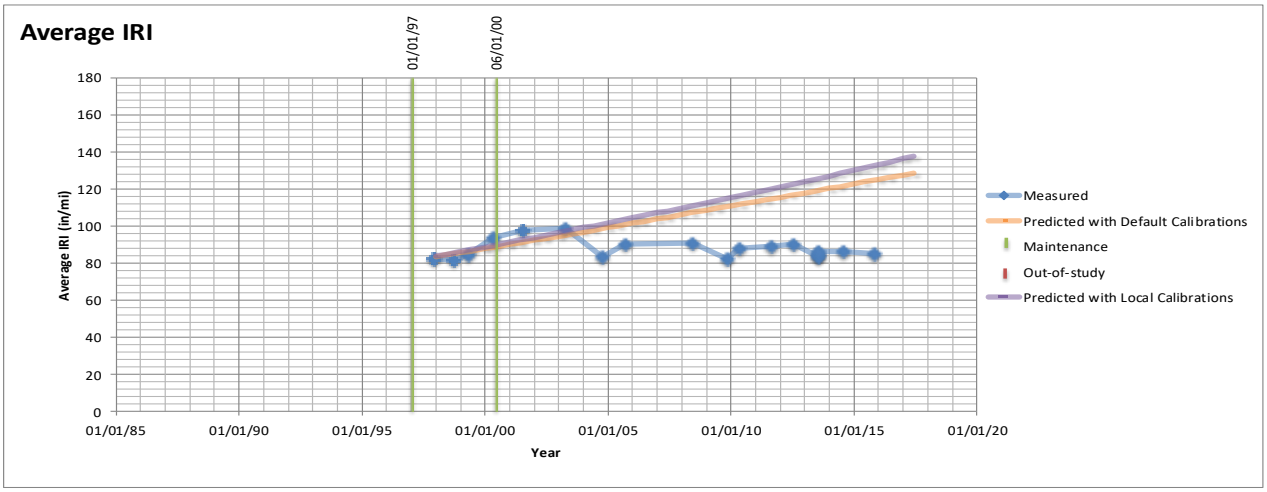


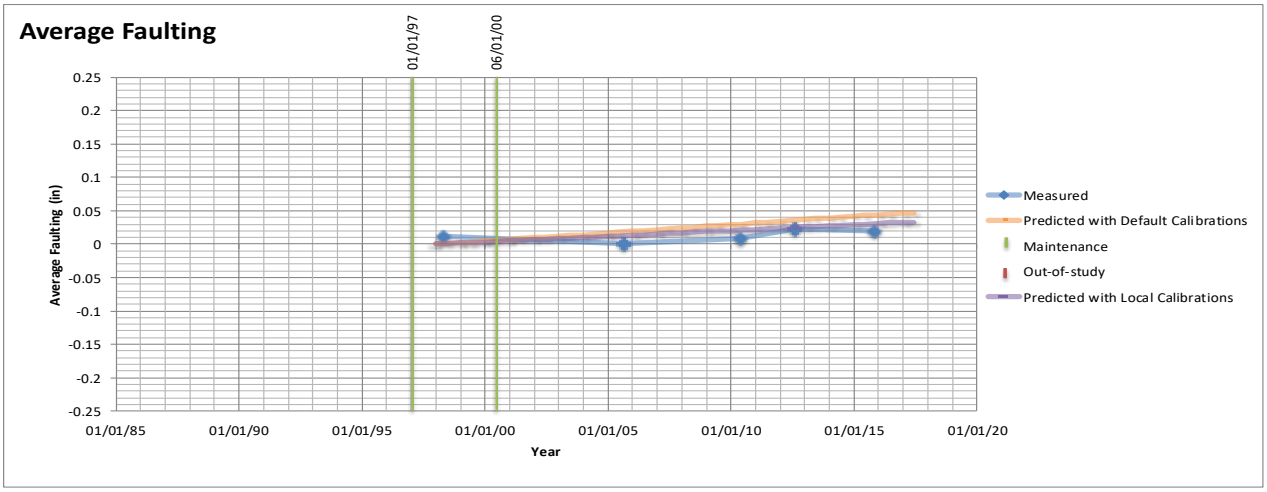
Cracked Slabs

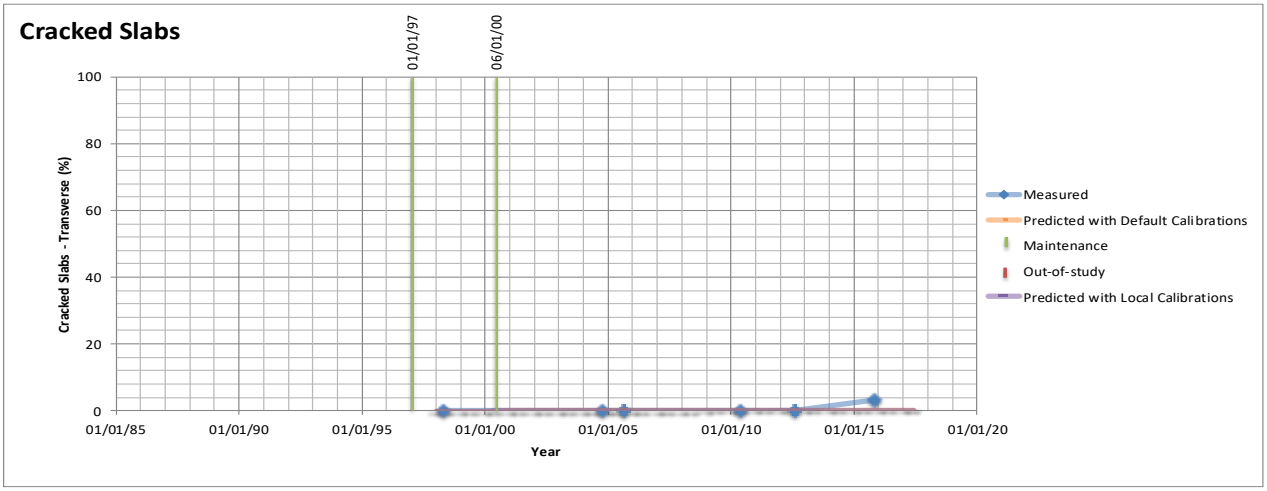


Date	Event
1-Jan-1997	In-study

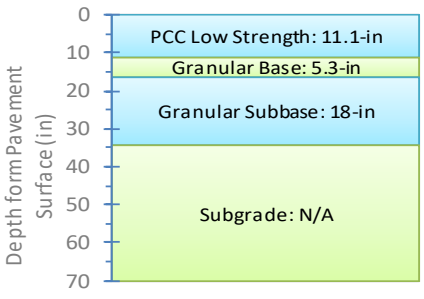




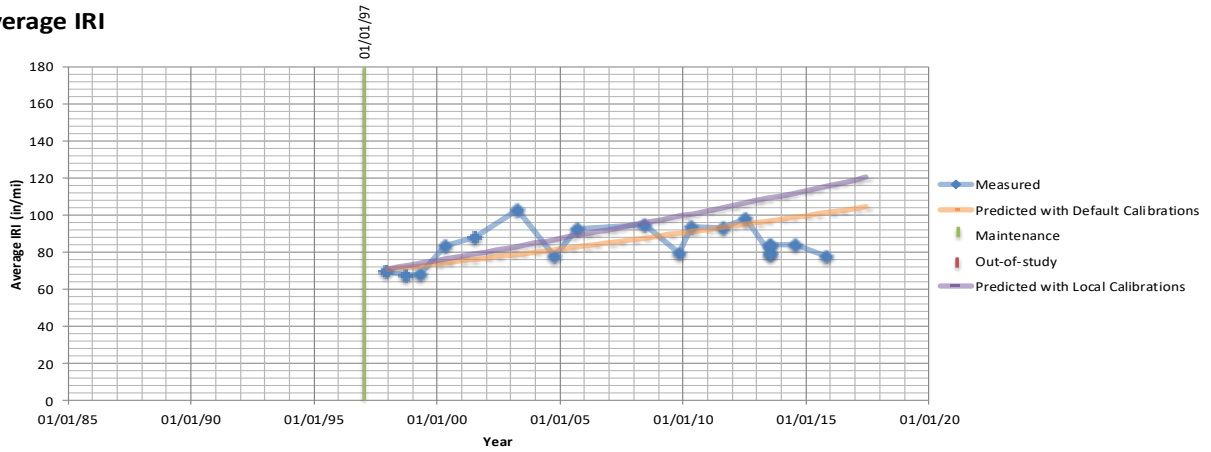




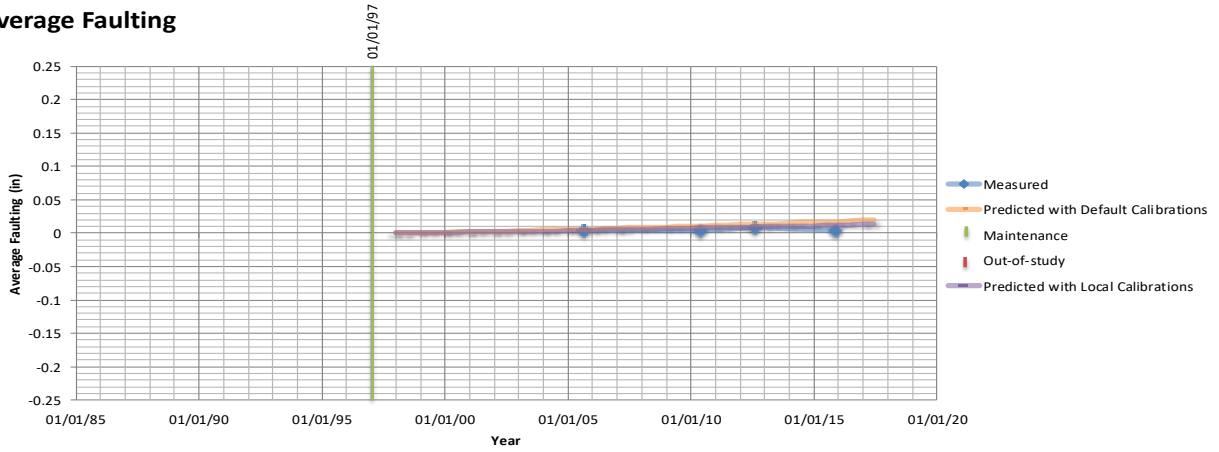
Date	Event
1-Jan-1997	In-study
1-Jun-2000	PCC Slab Replacement



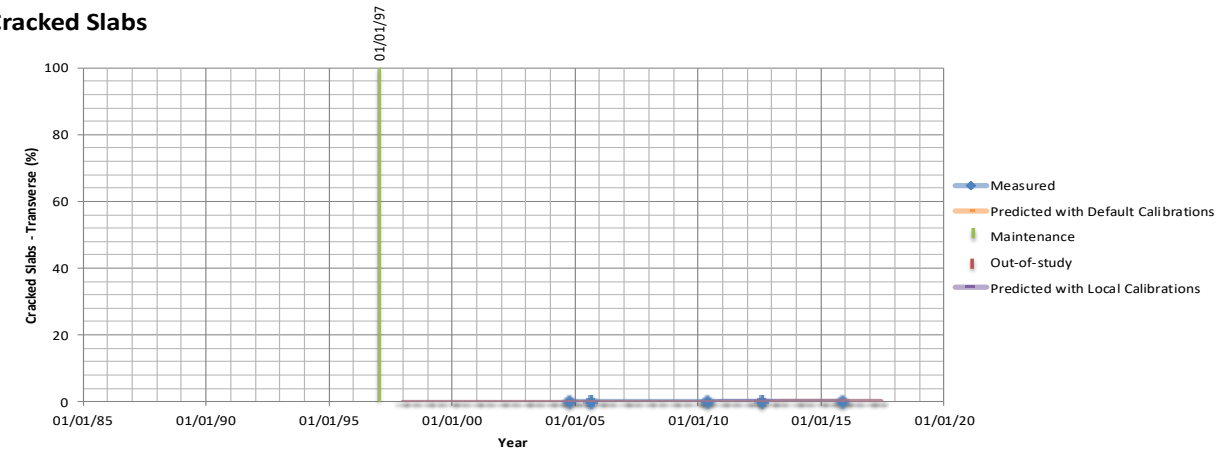
Average IRI



Average Faulting



Cracked Slabs



Date	Event
1-Jan-1997	In-study