MnDOT 99007 – ***Evaluation of Guide Sign Fonts***

02/28/2013

**Project Status Update**

**Task 1: Kick-Off Meeting**

**Task 2: Topic Investigation**

**Task 3: Closed Course Testing**

***3A: Experimental Design***

* The following three fonts will be tested:
	+ Series E(Mod)
	+ Enhanced E(Mod)
	+ Clearview 5W
* Both letter and number legends will be tested as follows:
	+ Letter legends will be tested using full-scale overhead guide signs.
	+ Number legends will be tested using full-scale shoulder-mounted signs.
* High intensity sheeting will be used on all signs:
	+ White letters (Type XI)
	+ Green background (Type IV)
* Drivers in two age groups will be tested, with the focus of the study being on older drivers.
	+ Younger drivers (21-35)
	+ Older drivers (65+)
* Data will be collected for daytime and nighttime conditions, with the focus of the study being on nighttime driving and the halation effects of the high intensity sheeting.

***3B: Equipment Setup***

* The following full-scale roadway test signs (panels and overlays) have been ordered:
	+ 2 overhead back panels (8 ft x 10 ft)
	+ 54 letter legend overlays – 3 fonts, 18 words/font (2.5 ft x 8 ft)
	+ 18 number legend panels – 3 fonts, 6 number combinations/font (2.5 ft x 4 ft)
* Forklifts will be used to support the overhead signs.
	+ Forklift operator training will take place within the first two weeks of March.
* Experimental forms are being completed including:
	+ Instructions for participants
	+ Instructions for researchers
	+ Data sheets

***3C: Data Collection***

* Portable GPS measurement systems will be used in vehicle(s)