

Quarterly Project Report

Center for Transportation Studies

Project Title: National Accessibility Evaluation

Quarter: July 01 - September 30, 2015

CTS Project # : 2016016

Contract # : 99008

Work Order # : 208

Project Authorization Date : 7/2/2015

Project Expiration Date: 8/31/2016

Principal Investigator

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Co-Investigator: Mathison, Arlene

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CTS PL Elizabeth Andrews

Funding Source(s):

State Pooled Funds

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Task Update:

1 Communications and Technical Advisory Panel Management

Each year, the University of Minnesota Center for Transportation Studies will maintain and update the Accessibility Observatory website and discussion list, publish research reports and summaries based on the products of Task 4, coordinate media relations for two campaigns (online media kit, press releases, e-mail announcements, social media posts), and arrange for quarterly meetings (three conference calls and one in-person meeting held in conjunction with TRB for the first year) of the technical advisory panel (TAP). CTS will maintain a TAP membership list, invite TAP members to the meetings, develop meeting agendas, and distribute minutes of the meetings. CTS will also assist with the preparation of quarterly reports that will be presented at each TAP meeting. This budget does not include travel expenses for TAP members.

Deliverables : Summary of all communications and Technical Advisory Panel activities for each year.

Task Budget : \$39,160.00

Task Due Date : 5/1/2016 (Calculated)

Date Delivered : (Reported by PI)

Date Approved : (CTS received task approval)

Task Approved : No

Progress:

This quarter's communication products include Access Across America: Walking 2014 study data; an updated creative brief and one-pager; and an e-announcement comparing TTI congestion rankings to accessibility metrics. The first Technical Advisory Panel meeting took place on September 28. Invitations and an agenda were sent in advance of the meeting; minutes will be distributed shortly.

% Task Complete: 25

2 Collect Input Datasets

The research team will collect up-to-date network and speed datasets describing the road and transit transportation networks in the study area, as well as destination counts at the block level or smaller resolution.

Deliverables : Summary report of datasets collected.

Task Budget : \$114,589.00

Task Due Date : 8/1/2015 (Calculated)

Date Delivered : 9/30/2015 (Reported by PI)

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Task Update:

Date Approved : 10/6/2015 (CTS received task approval)

Task Approved : Yes

Progress:

- Task 2 complete (Collect Input Datasets):
- Complete US road network with speed profiles supplied by TomTom
 - Block-level employment estimates from U.S. Census LEHD
 - Pedestrian network with national coverage from OpenStreetMap
 - Ongoing transit schedule collection and updates

% Task Complete: 100

3 Calculate Accessibility Datasets

The research team will calculate accessibility datasets using travel times and land use data collected in Task 2 to represent typical conditions in the previous calendar year.

Deliverables : Accessibility datasets delivered to project partners.

Task Budget : \$42,589.00

Task Due Date : 10/1/2015 (Calculated)

Date Delivered : (Reported by PI)

Date Approved : (CTS received task approval)

Task Approved : No

Progress:

- Task 3 in progress (Calculate Accessibility Datasets):
- Integrating TomTom data into accessibility tools
 - Merging transit schedules with pedestrian network

% Task Complete: 25

4 Prepare Accessibility Reports

The research team will prepare reports summarizing and describing accessibility patterns in the jurisdictions of each project partner, as well as a single national "Access Across America" report for each mode. The research team will provide the participating agencies a copy of the national reports at least two weeks in advance of their being released to the public. Local reports will be delivered directly to project partners, and the national report will be published and publicized to national media outlets.

Deliverables : National "Access Across America" reports; local reports for each project partner.

Task Budget : \$56,786.00

Task Due Date : 1/1/2016 (Calculated)

Date Delivered : (Reported by PI)

Date Approved : (CTS received task approval)

Task Approved : No

Progress:

Executed test calculations using 2015 traffic data and transit schedules

% Task Complete: 10

5 TAP Review of Results and Methodology

After each year's data and report publication is complete, the project TAP will meet to review and comment on project methodology and scope. The research team will collect feedback from the TAP members, with a focus on continually improving the data, reporting, usefulness, and scope of the project. TAP members will have an opportunity to share local experiences in the use of accessibility data. This TAP meeting will be scheduled and located to coincide with relevant conferences or professional meetings (such as AASHTO committee annual meetings or the annual TRB meeting). Teleconferencing participation options will also be provided.

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Task Update:

Deliverables : TAP meeting minutes and proposed enhancements for next data/reporting update

Task Budget : \$28,393.00

Task Due Date : 3/1/2016 (Calculated)

Date Delivered : (Reported by PI)

Date Approved : (CTS received task approval)

Task Approved : No

Progress:

6 Compile Report, Technical Advisory Panel Review and Revisions

A draft report will be prepared, following MnDOT publication guidelines, to document project activities, findings and recommendations, potential implementation opportunities, illustrative projects, and benefits to participating agencies. This report will need to be reviewed by the Technical Advisory Panel (TAP), updated by the Principal Investigator to incorporate technical comments, and then approved by Technical Liaison before this task is considered complete. Holding a TAP meeting to discuss the draft report and review comments is strongly encouraged. TAP members may be consulted for clarification or discussion of comments.

Deliverables : A Draft Report and Final Report Approved for Publication and presentation slides

Task Budget : \$42,589.00

Task Due Date : 4/30/2016 (Calculated)

Date Delivered : (Reported by PI)

Date Approved : (CTS received task approval)

Task Approved : No

Progress:

7 Editorial Review and Publication of Final Report

During this task the Approved Report will be processed by MnDOT's Contract Editors. The editors will review the document to ensure it meets the publication standard. This task must be completed within the Contract time because the editors will provide editorial comments and request information from the Principal Investigator.

Deliverables : Final Published Report and presentation slides

Task Budget : \$28,394.00

Task Due Date : 6/30/2016 (Calculated)

Date Delivered : (Reported by PI)

Date Approved : (CTS received task approval)

Task Approved : No

Progress:

Future Plans:

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Problems Encountered/Actions Taken:

Students:

<u>Name</u>	<u>E-Mail</u>	<u>Degree Program</u>	<u>Degrees</u>	<u>Graduation Date</u>
Brendan Murphy	murph677@umn.edu	Masters		9/30/2015
Pratyush Verma	verma039@umn.edu	Undergraduate		
Kristin Carlson	carl4498@umn.edu	Undergraduate		
Alireza Ermagun	ermag001@umn.edu	Doctorate		