2013 CEAM Annual Conference
Friday February 1, 2013
MSAS NEEDS

Your Destination... Our Priority
2013 Project Timeline

- February 1: Data collector complete
- February 19 – 22: User training
- March 1: Computations available to NTF
- March 30: Users complete updating segments
- April 15: Last chance for major programming changes by consultants
- May 31: End of consultant contract
- June 1: System Revisions deadline for inclusion in the 2014 distribution
- Summer 2013: NTF evaluates computations
- October 1: Tentative apportionment published
- October 23: Screening Board approves adjusted needs
Training

- Training scheduled for Mid-February
- Training will be a live Webinar
- Webinar will be recorded and available online
- Users will be able to register following the training
Contrast Old/New Systems

- Automatic calculations performed for:
  - Excavation
  - Gravel base
  - Bituminous
  - Sidewalk
  - Curb and Gutter
  - Storm Sewer
  - Traffic signals
- Far fewer data fields will require updating
- Money Needs based on continual Needs, not deficiency
New System Overview

- Registration and Login
- Review roadway segments & structures
- Review After The Fact adjustments
  - Right of Way
  - Retaining walls
  - Railroad bridges over SA routes
  - Railroad crossings
User Login

Login

Please enter your registered User Name and password and click on 'Login' button.

User Name: 
Password: 

Login

If you have forgotten your password, please click here to reset your password.

If you are a new user, please click here to register.
New User Registration

Please enter the following information and click on 'Register' button.

User Name: *
Email Address: *
First Name: *
Middle Initial: 
Last Name: *
Business Unit Category:  

Submit  Cancel
# Main Menu options

<table>
<thead>
<tr>
<th>User</th>
<th>Needs Cycle</th>
<th>Your Business Unit is MSAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Needs Data</td>
<td>Manage Roadway Segments</td>
<td></td>
</tr>
<tr>
<td>View Lookup Data</td>
<td>Manage Citywide ATF Adjustments</td>
<td></td>
</tr>
<tr>
<td>View Unit Cost Data</td>
<td>Manage Projects</td>
<td></td>
</tr>
</tbody>
</table>
Segment update screen

Roadway Segment Includes
- Structure: 3
- RR Crossings: 0

Roadway Segment Status
- Roadway Segment: Original
- City: 101. ALBERT LEA
- Control Section: 101
- Segment Number: 010
- Street Name: FOUNTAIN ST.
- Termin: T M 13 TO SEVENTH AVE TESTING TWO

Edit Roadway Segment
City: ALBERT LEA
Control Section: 101
Segment Number: 010
Street Name: FOUNTAIN ST.
Termin: T M 13 TO SEVENTH AVE TESTING TWO
Bridging Roadway Type: NO BRIDGING
Bridging Lane Description: HAS APPROVED THE WAY MILEAGE
Bridging Number of Signal Lamps: 0
Add: 177
Year of AADT Count: 2009
Common Boundary Designation: Yes
Shared City Number: ALBERT LEA
Turnback Mileage: No
Turnback Type: Select a Turnback Type
Eligible for Truck Highway Funds: Select Yes or No
Outside City Limit: Yes
Year of Latest $A Fund: 2009
TIS Code: 05004000001
True Start Miles: 0 00
True End Miles: 0 11
Comments: MILL & OVERLAY IN 2009 SAP 101; 102
Mass Transit: No
Traffic Group: 2
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>City</td>
<td>ALBERT LEA</td>
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<tr>
<td>Control Section</td>
<td>101</td>
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<tr>
<td>Segment Number</td>
<td>0010</td>
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<tr>
<td>Street Name</td>
<td>FOUNTAIN ST.</td>
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<td>Termini</td>
<td>T.H.10 TO SEVENTH AVE, TESTING TWO</td>
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<tr>
<td>Length</td>
<td>0.11</td>
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<tr>
<td>Existing Roadway Type</td>
<td>Non-Existing</td>
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<tr>
<td>Existing Lane Description</td>
<td>MSB approved one way mileage</td>
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<tr>
<td>Existing Number of Signal Legs</td>
<td>0</td>
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<tr>
<td>AADT</td>
<td>123</td>
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<tr>
<td>Year of AADT Count</td>
<td>2009</td>
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<tr>
<td>Common Boundary Designation</td>
<td>Yes</td>
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<tr>
<td>Shared City Number</td>
<td>ALBERT LEA</td>
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<tr>
<td>Turnback Mileage</td>
<td>No</td>
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<tr>
<td>Turnback Type</td>
<td>Select a Turnback Type</td>
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<tr>
<td>Eligible for Trunk Highway Funds</td>
<td>Select Yes or No</td>
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<tr>
<td>Outside City Limit</td>
<td>Yes</td>
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<tr>
<td>Year of Latest SA Fund</td>
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<td>TIS Code</td>
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<td>True Start Miles</td>
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<td>Comments</td>
<td>MILL &amp; OVERLAY IN 2009 SAP 101-101-015 TESTING</td>
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<td>Mass Transit</td>
<td>No</td>
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<td>Traffic Group Codes</td>
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<td>Modified By</td>
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## Segment Money Needs

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<tr>
<th>Computation factor</th>
<th>Computation Formula</th>
<th>Values Used For Computation</th>
<th>Computation Result</th>
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</thead>
<tbody>
<tr>
<td>Curb And Gutter Cost</td>
<td>Segment Length * Curb And Gutter Unit Cost * 5280 * 4</td>
<td>0.21 * 11.15 * 5280 * 4</td>
<td>49452.48</td>
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<tr>
<td>StormSewer Cost</td>
<td>Segment Length * StormSewer Cost</td>
<td>0.21 * 239721.00</td>
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<td>Street Light Cost</td>
<td>Segment Length * Street Light Unit Cost</td>
<td>0.21 * 100000.00</td>
<td>21000.00</td>
</tr>
<tr>
<td>Sidewalk Cost</td>
<td>Segment Length * Sidewalk Unit Cost * 10 * 5280</td>
<td>0.21 * 3.17 * 10 * 5280</td>
<td>35148.96</td>
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<tr>
<td>Bituminous Cost</td>
<td>Segment Length * Bituminous Cost * Bituminous Quantity</td>
<td>0.21 * 58.00 * 4773.00</td>
<td>58135.14</td>
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<tr>
<td>Excavation Cost</td>
<td>Segment Length * Excavation Cost * Excavation Quantity</td>
<td>0.21 * 6.60 * 25188.00</td>
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<td>Gravel Cost</td>
<td>Segment Length * Gravel Cost * Gravel Quantity</td>
<td>0.21 * 10.65 * 19628.00</td>
<td>43898.02</td>
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<tr>
<td>Engineering Cost</td>
<td>Total Unadjusted Needs * (22/100)</td>
<td>292886.579999999955200982779024343 * (22/100)</td>
<td>64435.05</td>
</tr>
<tr>
<td>Roadway Segment Cost</td>
<td></td>
<td></td>
<td>357321.63</td>
</tr>
</tbody>
</table>
Structure Update detail

Edit Structure

| Structure Number: * | 234324 |
| Milepoint: *        | 12.00  |
| Feature Crossed:    | 12     |
| Type of Structure:  | BRIDGE |
| Structure Length:   | 12.00  |
| Year Built:         | 2011   |
| Comments:           |        |
After The Fact Structure Data

Create ATF Structure Data

Back  Save

- Project Number: *
- Project Type: Select a Project Funding Type
- Type of Construction: * Select a Construction Type
- Year of Construction:
- First Year of Adjustment: *
- Last Year of Adjustment:
- Eligible Amount: * $
- DSAE Approval for DSAE Use ONLY: No Yes
- Comments:

Back  Save
Railroad Crossing update detail

Edit Railroad Crossing

Back  |  Undelete  |  History  |  ATF RR Data

Railroad Name:  *  UNION PACIFIC RAILROAD

USDOT Number:  *

Milepoint:  *  0.15

Comments:

Back  |  Undelete  |  History  |  ATF RR Data
After The Fact Railroad Data

Create ATF RR Data

Back  Save

Project Number: *

Project Type:

Year of Construction: *

First Year of Adjustment: *

Last Year of Adjustment:

Eligible Amount: *

$ DSAE Approval for DSAE use ONLY:  No  Yes

Comments:

Back  Save
Citywide After the Fact Adjustments

Citywide ATF Adjustment Includes

Citywide ATF Adjustment Status

Citywide ATF Adjustment Revised

Edit Citywide ATF

Back Cancel Save Delete History

Project Number: * 101-020-001
Project Year: 2010
First Year of Adjustment: * 2011
Last Year of Adjustment: 2025
ROW ATF Adjustment: * 1,000,000.00 $
Retaining Wall ATF Adjustment: * 0.00 $
DSA Approval for DSAE Use ONLY: No Yes

Comments: TEST
Thank you!

For questions contact
Rick Kjonaas @ 651–366–3802
—or—
Marshall Johnston @ 651–366–3815