Highway 101 Flooding

- 100-year flood elevation: 720.7
- Future closure elevation: 721.2
Highway 101 - 1993 Flooding

- 100-year flood elevation: 720.7
- Future closure elevation: 721.2
Highway 101 - 2011 Flooding
## Daily Cost of Closures

<table>
<thead>
<tr>
<th>Roadway</th>
<th>2009 Costs</th>
<th>Projected 2030 Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highway 101</td>
<td>$233,000</td>
<td>$930,000</td>
</tr>
<tr>
<td>Highway 41</td>
<td>$302,000</td>
<td>$653,000</td>
</tr>
<tr>
<td>Highway 101 &amp; 41</td>
<td>$669,000</td>
<td>$1,675,000</td>
</tr>
</tbody>
</table>
## Forecast Average Daily Traffic

<table>
<thead>
<tr>
<th>Location</th>
<th>2014 Forecasts</th>
<th>2034 Forecasts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No-Build</td>
<td>Build 4-lane</td>
</tr>
<tr>
<td>Hwy 101 Bridge</td>
<td>19,400</td>
<td>20,400</td>
</tr>
<tr>
<td>CSAH 61; East of Hwy 101</td>
<td>10,700</td>
<td>10,900</td>
</tr>
<tr>
<td>Hwy 101 North of CSAH 61</td>
<td>5,400</td>
<td>5,500</td>
</tr>
<tr>
<td>CSAH 61; West of Hwy 101</td>
<td>11,300</td>
<td>11,600</td>
</tr>
<tr>
<td>Bluff Creek Dr.</td>
<td>3,100</td>
<td>3,200</td>
</tr>
<tr>
<td>CSAH 61; West of Bluff Creek Dr.</td>
<td>9,000</td>
<td>9,200</td>
</tr>
</tbody>
</table>
Projects in the Surrounding Area

- **Pioneer Trail to Lyman Blvd**
  - Proposed 4-lane
  - 2019 Construction: Full Closure

- **TH 101 North to Pioneer Trail**
  - Project development process not determined
  - Potential Realignment
  - Proposed 4-lanes
  - Schedule not determined

- **CSAH 61 West**
  - Carver County lead
  - Schedule not determined

- **CSAH 61 East**
  - Hennepin County lead
  - Raise road above flood elevation
  - Construction in 2015

- **TH 101 River Crossing / CSAH 61 "Y"**
  - Carver County lead
  - 4-lane bridge
  - Roundabout
  - 2014 let-in
Road and Bridge Typical Sections
Project Schedule

• Layout Concept Approved – Mid February
• Construction Limits – Early April March
• Environmental Assessment Worksheet (EAW) – Feb. to Aug. 2013
• R/W – April 2013 to February 2014
• Final Design – April 2013 to February 2014
• Bid Award – May 2014
• Construction – June 2014 to Fall 2015
Construction Staging Overview

ROADWAY PHASE 1
JUNE 2014 - SEPT 2014

ROADWAY PHASE 2
SEPT 2014 - NOV 2014

ROADWAY PHASE 3
DEC 2014 - AUG 2015

ROADWAY PHASE 4
AUG 2015 - SEPT 2015

BRIDGE CONSTRUCTION
- JUNE 2014 - JULY 2014 SHOULDER REINFORCEMENT AND ROUGH GRADING AT PIERS
- AUG 2014 - NOV 2014 SUBSTRUCTURE
- DEC 2014 - SEPT 2015 SUPERSTRUCTURE
- NOV 2015 - DEC 2015 REMOVE OLD EMBANKMENT
Construction Staging Plan With Traffic

ROADWAY PHASE 1
JUNE 2014 - SEPT 2014

BRIDGE CONSTRUCTION
- JUNE 2014 - JULY 2014 SHOULDER REINFORCEMENT AND ROUGH GRADING AT PIER 1
- AUG 2014 - NOV 2014 SUBSTRUCTURE
- DEC 2014 - SEPT 2015 SUPERSTRUCTURE
- NOV 2015 - DEC 2015 REMOVE OLD EMBANKMENT

NOTES:
1. ADDITIONAL MINOR CLOSURES MAY BE REQUIRED.
2. ACCESS TO PARCELS MUST BE MAINTAINED.

ROADWAY PHASE 2
SEPT 2014 - NOV 2014

BRIDGE CONSTRUCTION
- JUNE 2014 - JULY 2014 SHOULDER REINFORCEMENT AND ROUGH GRADING AT PIER 1
- AUG 2014 - NOV 2014 SUBSTRUCTURE
- DEC 2014 - SEPT 2015 SUPERSTRUCTURE
- NOV 2015 - DEC 2015 REMOVE OLD EMBANKMENT

NOTES:
1. ADDITIONAL MINOR CLOSURES MAY BE REQUIRED.
2. ACCESS TO PARCELS MUST BE MAINTAINED.

ROADWAY PHASE 3
DEC 2014 - AUG 2015

BRIDGE CONSTRUCTION
- JUNE 2014 - JULY 2014 SHOULDER REINFORCEMENT AND ROUGH GRADING AT PIER 1
- AUG 2014 - NOV 2014 SUBSTRUCTURE
- DEC 2014 - SEPT 2015 SUPERSTRUCTURE
- NOV 2015 - DEC 2015 REMOVE OLD EMBANKMENT

NOTES:
1. ADDITIONAL MINOR CLOSURES MAY BE REQUIRED.
2. ACCESS TO PARCELS MUST BE MAINTAINED.

ROADWAY PHASE 4
SEPT 2015 - OCT 2015

BRIDGE CONSTRUCTION
- JUNE 2014 - JULY 2014 SHOULDER REINFORCEMENT AND ROUGH GRADING AT PIER 1
- AUG 2014 - NOV 2014 SUBSTRUCTURE
- DEC 2014 - SEPT 2015 SUPERSTRUCTURE
- NOV 2015 - DEC 2015 REMOVE OLD EMBANKMENT

NOTES:
1. ADDITIONAL MINOR CLOSURES MAY BE REQUIRED.
2. ACCESS TO PARCELS MUST BE MAINTAINED.

PRELIMINARY CONSTRUCTION PHASING
HIGHWAY 101 COUNTY ROAD IID FLOOD MITIGATION PROJECT
What is an EAW?

An Environmental Assessment Worksheet (EAW) is a full disclosure document that identifies anticipated environmental effects and mitigation commitments of a project. The EAW will evaluate the potential effects of the preferred alternative and discusses minimization efforts and mitigation commitments.

<table>
<thead>
<tr>
<th>Areas of Potential Environmental Impact Assessed in an EAW?</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Land Use</td>
</tr>
<tr>
<td>*Right-of-Way &amp; Relocation</td>
</tr>
<tr>
<td>*Noise</td>
</tr>
<tr>
<td>*Fish &amp; Wildlife Habitat</td>
</tr>
<tr>
<td>*Parks/Recreational Areas</td>
</tr>
<tr>
<td>*Cumulative Potential Effects</td>
</tr>
<tr>
<td>*Visual Quality</td>
</tr>
<tr>
<td>*Traffic</td>
</tr>
<tr>
<td>*Economics</td>
</tr>
<tr>
<td>*Wetlands</td>
</tr>
<tr>
<td>*Groundwater</td>
</tr>
<tr>
<td>*Floodplains</td>
</tr>
<tr>
<td>*Air Quality</td>
</tr>
<tr>
<td>*Utilities</td>
</tr>
<tr>
<td>*Social &amp; Community Effects</td>
</tr>
<tr>
<td>*Pedestrian/Bicycle Movements</td>
</tr>
<tr>
<td>*Water Quality/Surface Water Drainage</td>
</tr>
<tr>
<td>*Threatened/Endangered Species</td>
</tr>
<tr>
<td>*Vegetation/Land Cover</td>
</tr>
<tr>
<td>*Contaminated Properties</td>
</tr>
<tr>
<td>*Archeological/Historic Sites</td>
</tr>
</tbody>
</table>

Who Reviews And Approves The EAW When It IS Completed?

The Southwest Reconnection Project EAW is expected to be published summer 2013. Carver County is the Responsible Governmental Unit (RGU) for the approval of the EAW. The Minnesota Department of Transportation (MnDOT) has a project partner and will review the EAW document. Furthermore, a public and agency review/comment period will be held prior to a final determination by the County.
Social & Environmental Effects
Social & Environmental Effects