



MEMORANDUM

**Highway
Department**

Jason Benson, P.E.
County Engineer

Richard S. Sieg
Superintendent

Thomas B. Soucy, P.E.
Design and Construction
Engineer

TO: Cass County Road Advisory Committee
FROM: Jason Benson, Cass County Engineer
DATE: March 18, 2013
SUBJECT: Road Advisory Committee Meeting
March 18, 2013 2:00 p.m.

A Road Advisory Committee meeting has been scheduled for Monday, March 18, 2013 2:00 pm in the Cass County Commission Room. The agenda is as follows:

2:00 – 2:05	Introduction and Recognition of Outstanding Highway Employees	Information
2:05 – 2:15	Update on 2013 Legislative Session Transportation Funding	Information
2:15 – 2:30	Review 2013 Planned Construction Projects	Information
2:30 – 2:45	Update on Potential 2013 Construction Projects Based on Additional Funding	Information/ Action
2:45 – 2:55	Diversion Transportation Plan	Information
2:55 – 3:00	Other Business	
3:00	Adjourn	

1201 Main Avenue West
West Fargo, North Dakota
58078-1301

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County Engineer

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Design and Construction
Engineer

TO: Cass County Road Advisory Committee
FROM: Jason Benson, Cass County Engineer 
DATE: March 12, 2013
SUBJECT: Road Advisory Committee Meeting, March 18, 2013
Background Information

2013 Proposed Highway and Bridge Projects:

Bituminous Surfacing Projects:

Cass 4 from Cass 11 to Cass 81. (5.5 miles, \$3,710,000 - All local funding.) Central Specialites, Inc. Low Bid on February 21st - \$3,380,499.97

Grading and Surfacing Projects:

Cass 15 in Kindred from Dakota St to Sheyenne St. (0.5 mile, \$1.8 Million - 60% Cass County 40% City of Kindred) This section of Cass 15 was last paved in 1999 and is in need of regrading and pavement repair. Planned construction includes grading, drainage/safety improvements and surfacing. Bid date April 25th, 2013.

Subgrade Repair and Reshaping Projects:

Cass 10 from Buffalo to Cass 5. (8 miles, \$1,200,000 - All local funding.) This will be used to repair soft spots, reinforce the subgrade and reshape/narrow the road. Bid Date April 11th, 2013.

Slide Repair Projects:

Cass 31 one mile north of Cass County Highway 20. (350 feet, \$800,000 - All local funding.) Continued slide where the roadway runs between the Red River and Stockman's Subdivision. Bid date April 25th, 2013.

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Bridge Projects:

10/11 Pleasant Township Bridge Replacement – 2 miles South of St Benedict on Wild Rice River. (\$75,000 - All local funding) This is a Township bridge repair project with the South abutment settling. Bid Date April 11th, 2013. (This bridge is listed as critical in the UGPTI bridge study and could potentially receive 90% funding by SB2012)

Cass 34 - 15/22 Gunkel Bridge Replacement - 4.5 miles East of Arthur on the South branch of the Elm River. (\$250,000 - All local funding) This is a County wood box culvert with a posted limit of 23 tons and a rating of 68.5. It was built 1953, with a length of 30 feet. A hydraulic analysis has been completed with a recommendation of 2-12' X 5' Concrete Box Culverts. Bid Date April 11th, 2013.

5 Reed/32 Harwood – Township Bridge Replacement - 0.5 miles West of Harwood on branch of the Rush River. (\$75,000 – All local funding) This is a Township bridge with a Code 3 alert, has a posted limit of 12 tons, and a rating of 52.0. It is an existing concrete structure built in 1946, with a length of 31 feet. A hydraulic analysis has been completed with a recommendation of 3-112" X 75" Metal Arch Culverts. (This bridge is listed as critical in the UGPTI bridge study and could potentially receive 90% funding by SB2012)

25 Everest/30 Durbin – Township Bridge Repair - 1.5 miles West of Durbin on the Buffalo Creek. (\$120,000 – All local funding) This is a Township bridge with a cracked concrete beam, not posted, and a rating of 69.70. It is an existing structure built in 1976, with a length of 48 feet. The repair is to replace the beam. Bid Date April 11th, 2013. (This bridge is listed as critical in the UGPTI bridge study and could potentially receive 90% funding by SB2012)

Cass 32 – 35 Cornell/3 Tower Townships - Bridge Replacement – 5.0 miles Northeast of Tower City on the Maple River Water Resource District Drain 56. (\$325,000 - 60% Water Resource District 40% Cass County) This is a concrete single span bridge with a posted limit of 31 tons and a rating of 53.3. It was built 1955, at a length of 24 feet. Hydraulic analysis was completed with a recommendation of 3-10' X 6' Concrete Box Culverts. Bid Date April 11th, 2013.

10 Durbin – Township Bridge Replacement – 3.0 miles Southwest of Mapleton on the Maple River. (\$450,000 – All local funding) This is a Township bridge with a Code 3 alert, has a posted limit of 8 tons, and a rating of 39.0. It is an existing steel/wood structure built in 1950, with more work completed in 1979, the length of 150 feet. County forces are currently working on the design of the new bridge. Expected bid date June 20th, 2013. (This bridge is listed as critical in the UGPTI bridge study and could potentially receive 90% funding by SB2012)

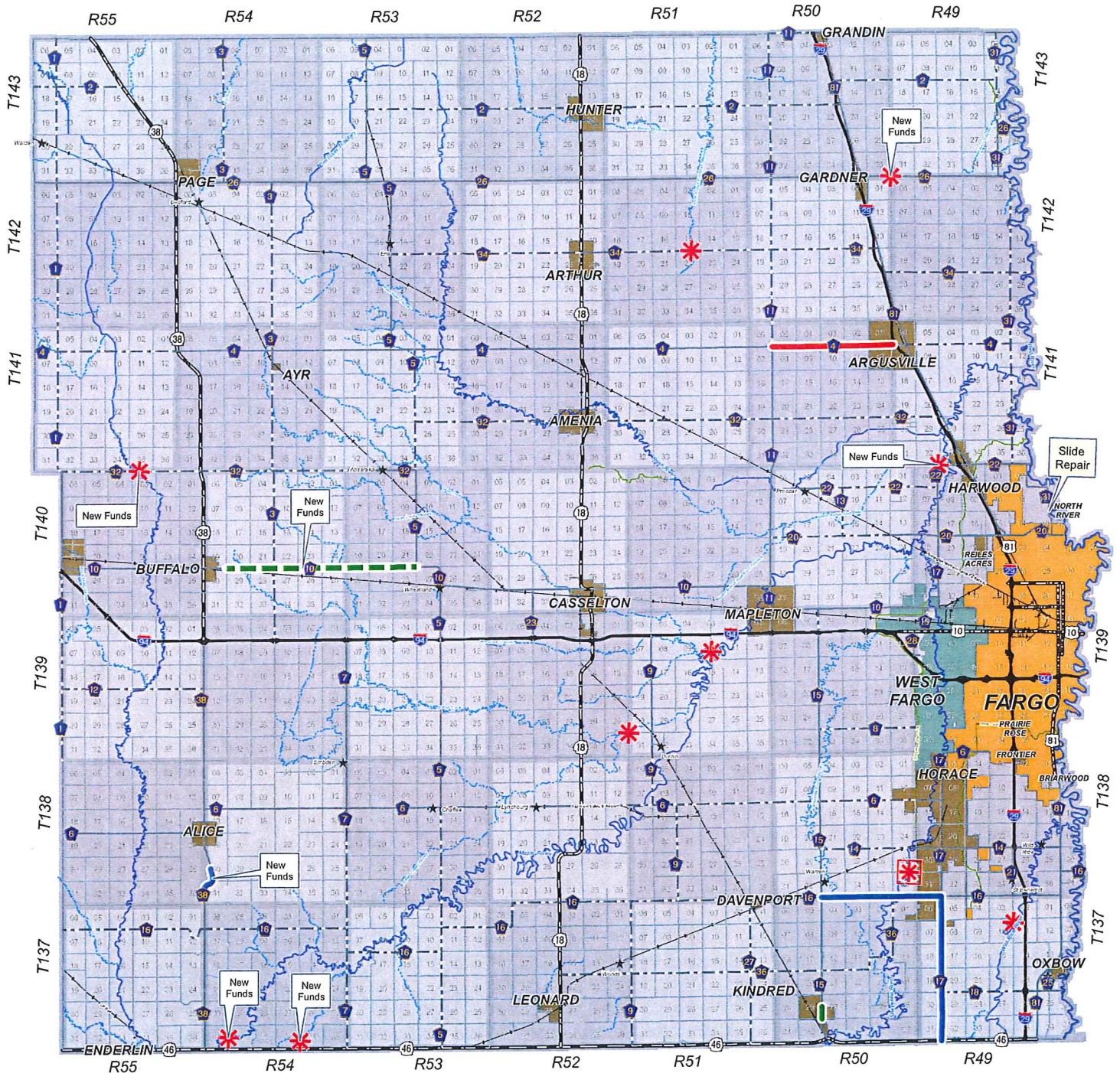
Potential 2013 Construction:

Cass 15 from I94 Exit 340 to Cass 16 – Bituminous Overlay. (11.0 miles, \$3,900,000 - All local funding.) The 2012 pavement testing results indicate that Cass 15 is in need of a Bituminous Overlay. The existing section is 26' of pavement and 6' gravel shoulders. Proposed project would be to mill 1" and recycle this in the new pavement. Proposed section is a 3.5" Bituminous Overlay 34' wide with 4' shoulders. Potential Bid date April 25th, 2013.

Cass 23 – Ditch Grading (0.75 mile, \$200,000 - All local funding.) The East ditch drainage from the Ethanol Plant South 0.75 miles to the drain needs to be corrected. Currently Over 2' of water can not drain without pumping. New culverts will need to be installed in all three driveway entrances and grade the ditches accordingly. Potential Bid date April 25th, 2013.

Cass County Highway Department

Planned 2013 Highway Construction Projects



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Jason Benson
County Engineer, P.E.

Richard Sieg
Highway Superintendent

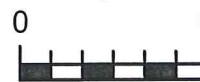
Prepared by
Cass County Highway Dept.
February 2013



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Miles

Projects

- Grading and Bituminous Surfacing
- Bituminous Surfacing
- Chip Seal
- - - Subgrade Repair
- - - Roadway Reshaping
- * Structure Removal
- * Structure Replace

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