



MEMORANDUM

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CASS COUNTY COMMISSION

**Highway
Department**

Jason Benson, P.E.
County Engineer

Richard S. Sieg
Superintendent

Thomas B. Soucy, P.E.
Assistant County Engineer

TO: Cass County Road Advisory Committee
FROM: Jason Benson, Cass County Engineer
DATE: November 6, 2015
SUBJECT: Road Advisory Committee Meeting
November 16, 2015 2:00 p.m.

A Road Advisory Committee meeting has been scheduled for Monday, November 16, 2015 at 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 – 2:35 | Review and Approve Changes to the 2016 Construction Projects | Information |
| 2:35 – 2:45 | Update on the NuStar Pipeline in Raymond/Mapleton Townships | Information/Action |
| 2:45 – 3:00 | Other Business | |
| 3:00 | Adjourn | |

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FROM: Jason Benson, Cass County Engineer
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SUBJECT: Road Advisory Committee Meeting, November 16, 2015
Background Information

Updated 2016 Recommended Highway and Bridge Projects. This document is broken down by type of project (paving/grading and bridge):

Grading and Surfacing Projects:

Cass 10 from Cass 19 to 45th St N. (2.6 miles, \$13,500,000. Funding sources include Federal Aid, City of Fargo, City of West Fargo, and Cass County. Cass County is responsible for \$1,000,000.) This section of Cass 10 will be reconstructed to a three lane, urban road section. This segment will be turned over to the Cities of Fargo and West Fargo upon completion.

Cass 19 from Drain 21 to Cass 10. (0.7 miles, \$1,800,000. Funding sources include City of West Fargo and Cass County.) This section of Cass 19 will have the north portion realigned further east of the Sheyenne Diversion to align with the West Fargo Public Works facility road. It will also include improvements on the Drain 21 structure. This segment will be turned over to the City of West Fargo upon completion. Cass County's cost will be \$900,000.

Cass 17 from 12th Ave N to Harwood. (6.5 miles, \$7,800,000. All local funding.) This section of Cass 17 is a 24 foot concrete surface paved in 1972. It has wide gravel shoulders and 4:1 side slopes. This project will include overlaying portions of the concrete with asphalt and placing new pavement where the road currently has water overtopping it during floods. There will also be turnlanes at critical intersections and paved shoulders. This section of road was initially budgeted for \$8.5 million. After reviewing the project, it was determined that most of the roadway can be improved with an asphalt overlay. This brings the cost down to \$6.4 million and frees up some funding for additional paving projects.

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Cass 31 from Cass 20 to 1.5 miles north. (1.5 miles, \$2,500,000. All local funding.) This section of Cass 31 has sustained continuous slumping and slide failures near the river at 52nd Ave N. This project will reconstruct the highway west around the Stockman's Subdivision.

Cass 28 Overlay and Shared Use Path from 13th Ave S to 1.3 miles north to Main Ave. Overlay is 1.25 miles with improvements to approaches and culverts at a cost of \$250,000. The Shared Use Path is 1.25 miles, \$319,523. Split between ND Parks, RRVF, and Cass County. The current Engineer's Estimate for a 10 foot wide, 6,600 foot long multi-use path is \$319,253. The ND Parks Recreation Trail grant was approved for \$200,000. Cass County will fund the administration and engineering costs associated with the project and 50% toward the remaining construction costs. Red River Valley Fair will fund the remaining 50% toward the remaining construction costs. Therefore, an estimated 50% share of the project will be \$59,626.50 for Cass County and \$59,626.50 for the Red River Valley Fair Association.

Cass 3 from I-29 to Cass 11. (11 miles, \$1,500,000. All local funding.) This road will be targeted for subgrade repair and reshaping.

Proposed New Projects:

Cass 15 from ND46 to Kindred and from Kindred to Cass 16. (5.4 miles, \$1,600,000. All local funding.) This section of Cass 15 will have a 2.5 inch maintenance overlay. It was last overlaid in 1999.

Cass 16 from Davenport to Cass 15. (3.1 miles, \$1,100,000. All local funding.) This section of Cass 16 will have a 2.5 inch maintenance overlay. It was last overlaid in 1999.

Bridge Projects:

C16 - 33 Addison/4 Davenport Township - Maple River WRD - Drain 37. This is a County bridge with a 28 foot width and will be replaced with a concrete box culvert. This project will facilitate the future improvements on Cass 16 from ND 18 to Davenport. It has a current length of 28 feet long and was built in 1946. Estimated cost is \$250,000.

C16 - 36 Maple River/1 Leonard Townships - Drain 39. This is a County bridge with a 28 foot width and will be replaced with a concrete box culvert. This project will facilitate the future improvements on Cass 16 from ND 18 to Davenport. It has a current length of 28 feet long and was built in 1946. Estimated cost is \$250,000.

C16 - 35 Maple River/2 Leonard Townships - Drain 15. This is a County bridge with a 24 foot width and will be replaced with a concrete box culvert. This project will facilitate the future improvements on Cass 16 from ND 18 to Davenport. It has a current length of 28 feet long and was built in 1953. Estimated cost is \$250,000.

C16 - 31 Warren/6 Normanna Townships Maple River WRD - Drain 34. This is a minor County bridge with a 24 foot width and will be replaced with a concrete box culvert. It has a current length of 18 feet long and was built in 1953. Estimated cost is \$250,000.

28/33 Davenport Township - Maple River WRD Drain 37. This is a township bridge with 23 foot width. This bridge will be replaced with a box culvert. It is 31 feet long and was built in 1958. Estimated cost is \$250,000.

8/9 Dows Township - Tributary of Elm River. This is a minor County structure made of a large metal arch culvert. The current culvert is failing, with the bottom rusted and heaving. It will be replaced with a concrete box culvert with an estimated cost of \$250,000.

Proposed New Bridge Projects:

C9 – 28/29 Addison Township and 20/21 Addison Drainage Ditches that flow into Drain 37. These are two minor County structures made of a concrete culverts. The current culverts are failing. They will be replaced with two concrete box culverts with a total estimated cost of \$100,000. Funds are already in the 2016 budget for \$100,000 in minor structure replacements.

02/11 Tower – Township Road on the Maple River. This is a timber bridge with a 38 rating and significant deficiencies. This bridge with a 24 foot width and will be replaced with a concrete box culvert. It has a current length of 79 feet long and was built in 1960. Estimated cost is \$600,000, \$485,500 Federal funding, and \$114,500 local funding. **We are currently waiting to see if Federal Funding is available for this project. This project will be pending approval by the NDDOT.**