



RECEIVED
CASS COUNTY COMMISSION

MAR 13 2017

MEMORANDUM

**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: *Tom Soucy*
FOR: Jason Benson, Cass County Engineer
DATE: March 10, 2017
SUBJECT: Road Advisory Committee Meeting
March 20, 2017 2:00 p.m.

A Road Advisory Committee meeting has been scheduled for Monday, March 20, 2017 at 2:00 pm in the Cass County Commission Room. The agenda is as follows:

2:00 – 2:20	Growth and Future Transportation Challenges in the City of Horace	Information
2:20 – 2:35	Update on 2017 Construction Projects	Information/Action
2:35 – 2:45	Review of Highways that meet the design standards for 65mph	Information
2:45 – 3:00	Other Business	
3:00	Adjourn	

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

701-298-2370
Fax: 701-298-2395



MEMORANDUM

Highway Department

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TO: Cass County Road Advisory Committee

FROM: *Ag* Jason Benson, Cass County Engineer
FOR

DATE: March 10, 2017

SUBJECT: Road Advisory Committee Meeting, March 20, 2017
Background Information

Grading and Surfacing Projects:

Cass 10 - (12th Ave N)

- Cass 19 (9th St W) to 45th St N.
- \$13,500,000
- Funding
 - Federal Aid
 - City of Fargo
 - City of West Fargo
 - Cass County - \$1,000,000
- 2.6 Miles – Remaining 2017 - Center St & 9th St E.
- Three lane, curb road section.

Cass 38

- State Hwy 46 to the City of Alice – 9.1 Miles
- \$9,100,000 – All local funding.
- Grade, Recycle Existing Asphalt Pavement
- New Asphalt Surface – 12' Lanes & 6' Asphalt Shoulders.

Gravel Stabilization:

Cass 6

- \$600,000. All local funding
- Hwy. 15 - 4.5 Miles East
- Pull in Shoulders/Narrow roadway
- Blend Asphalt Millings with gravel and stabilize

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Cass Highway 22

- \$600,000. All local funding
- City of Prosper to Hwy. 17 - 5.0 Miles
- Reshape road top
- Blend Asphalt Millings with gravel and stabilize

Chip Seals

- \$1,500,000. All local funding
- 53.0 Miles
- Options
 - City of North River
 - Highland Park
 - Wild Rice Estates

Bridge Projects:

Durbin Bridge

- 32 Durbin & 5 Addison Twp
- Maple River
- \$1.19 Million – 80% Federal
 - \$949K Federal
 - \$237K Local
- Old Timber Bridge - 24' Wide, 120' Long
- Year Built 1946
- Repaired West Abutment in 2008
- 40 Rating – 1 to 100 Scale
- New Concrete Bridge – 28' Wide 152' Long

Cass 1 - Tower Box Culvert

- 19 Tower Twp
- Tributary of the Maple River
- \$244,125 – All local funding
- Old Timber/Concrete Bridge - 24' Wide, 57' Long
- Year built 1967
- Narrow & No Guardrail
- Concrete Box Culvert – 3 – 10' X 4' X 74'

Cass 10 - Tower Box Culvert

- 19/30 Tower Twps.
- Tributary of the Maple River
- \$269,668 – All local funding
- Concrete Bridge - 24' Wide, 20' Long
- Year built 1970
- Narrow & No Guardrail
- Concrete Box Culvert – 3 – 8' X 5' X 98'

27/34 Cornell Twp - Box Culvert

- Maple River
- \$297,005 – All local funding
- Timber Bridge - 24' Wide, 20' Long
- Year Built 1955
- 39 Rating – 1 to 100 Scale
- Narrow & No Guardrail
- Concrete Box Culvert – 3 – 14' X 8' X 86'
- Optional bid pending results of Durbin Bridge

Potential Box Culvert & Bridge Removal Projects by County Forces:

- 14/15 Normana Twp - Box Culvert
 - Estimated Cost - \$20K
- 16/21 Pleasant Twp - Box Culverts
 - Estimated Cost - \$90K
- 11/12 Dows Twp - Box Culvert
 - Estimated Cost - \$50K
- 2/11 Wheatland Twp - Box Culvert
 - Estimated Cost - \$60K
- 19 Tower – Twp – Elizabeth St. - Box Culvert
 - Estimated Cost - \$90K
- 19 Tower – Twp – Michigan St. - Box Culvert
 - Estimated Cost - \$90K
- 27/34 Wiser Twp - Bridge Removal
 - Estimated Cost - \$20K
- 28/33 Durbin Twp - Bridge Removal
 - Estimated Cost - \$20K

Plan B – If Cass 38 is not constructed:

Mill – Overlay & Structure Replacements

- Cass 4- State Hwy 38 to Cass 3
 - Mill 1.5” – Overlay 3” - \$761K
- Cass 5 – Cass 26 to Traill Co Line
 - Mill 1.0” – Overlay 2” - \$898K
- Cass 5 – Cass 26 to Cass 34
 - Mill 2.0” – Overlay 2.0” - \$488K
- Cass 26 – Cass 5 North to State Hwy 18
 - Mill 1.5” – Overlay 1.5” - \$954K
- Cass 26 – Barnes Co Line to State Hwy 38
 - Mill 1.5” – Overlay 1.5” \$687K
 - \$400K – Concrete Box Culverts -All local funding
 - Narrow existing structures & Substandard Guardrail
 - West Box Culvert – Single 10’ X 5’
 - East Box Culvert – Two-10’ X 8’
- Total Plan B Estimated Cost \$4.2 Million

**Road Advisory Meeting
March 20, 2017**

Cass County Highway Department

Road Advisory Meeting

March 20, 2017

**Growth and Future Transportation -
Challenges in the City of Horace**

Cass County Highway Department

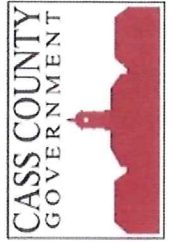
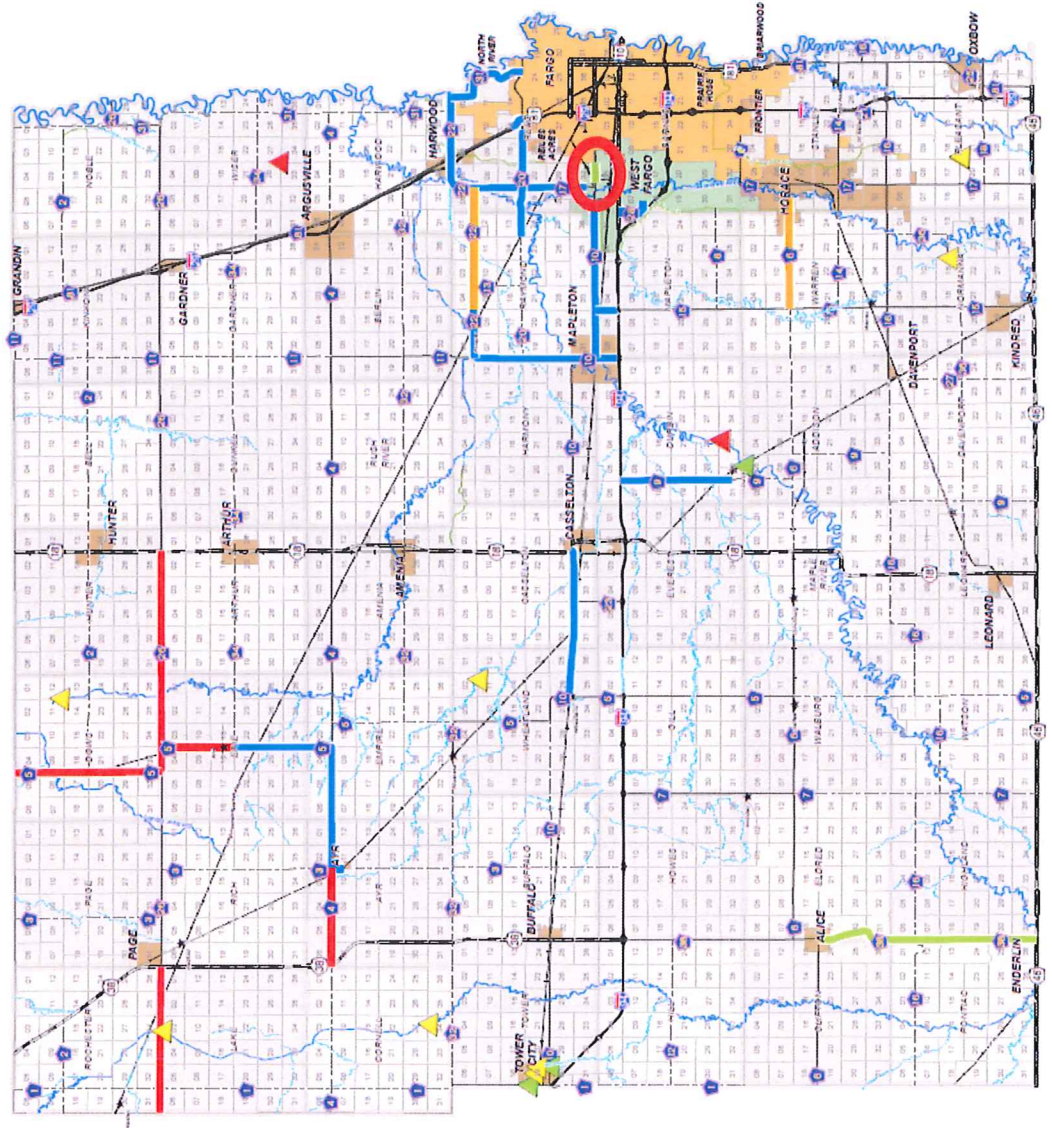
**Road Advisory Meeting
March 20, 2017**

**Update on 2017 Construction
Projects**

Cass County Highway Department

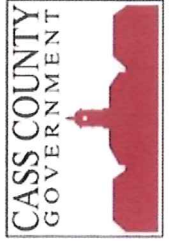
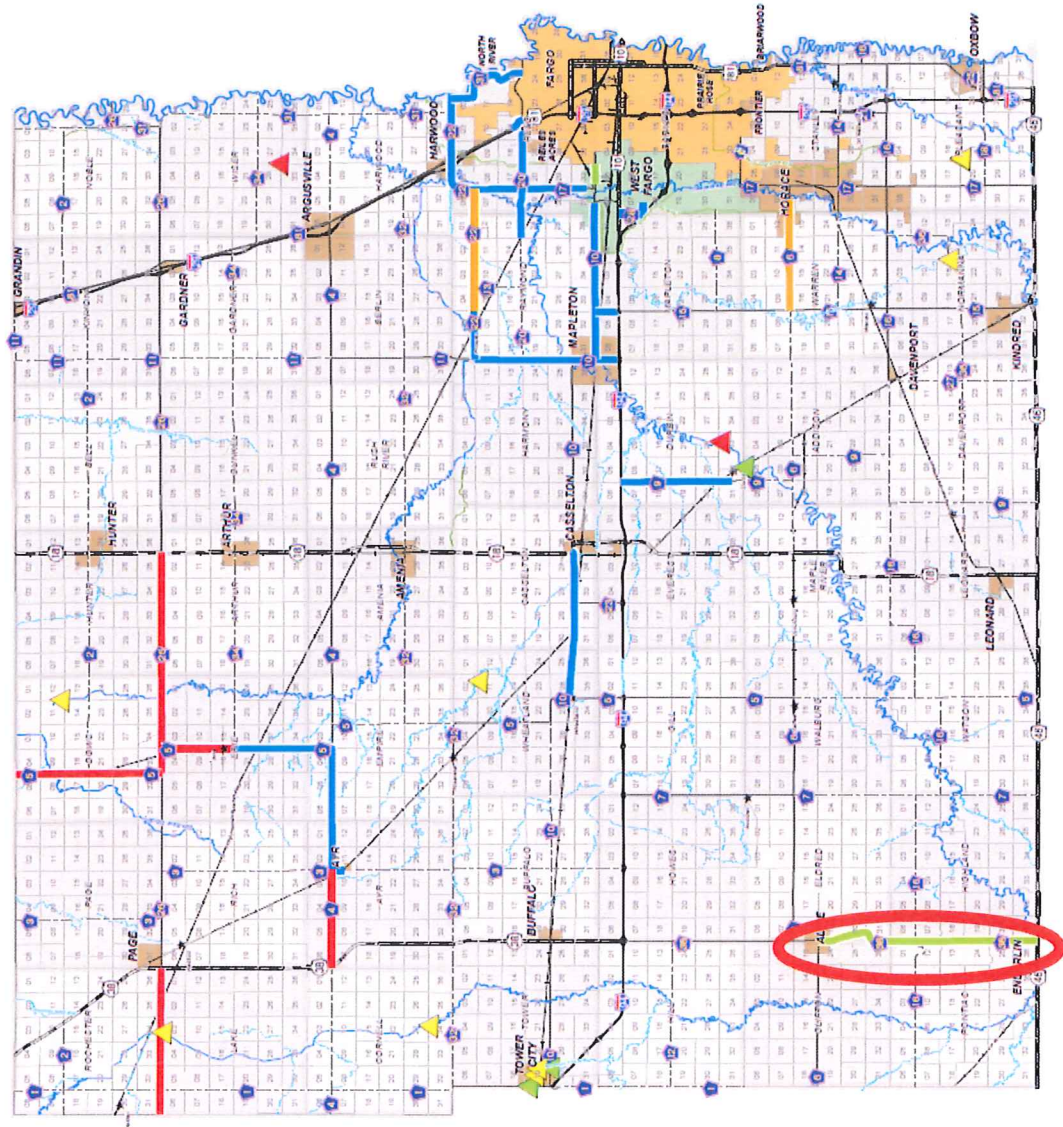
Cass Highway 10 (12th Ave N) Reconstruction

- Cass 19 (9th St W) to 45th St N.
- \$13,500,000
- Funding
 - Federal Aid
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 - Cass County - \$1,000,000
- 2.6 Miles – Remaining
- 2017 - Center St & 9th St E.
- Three lane, curb road section.



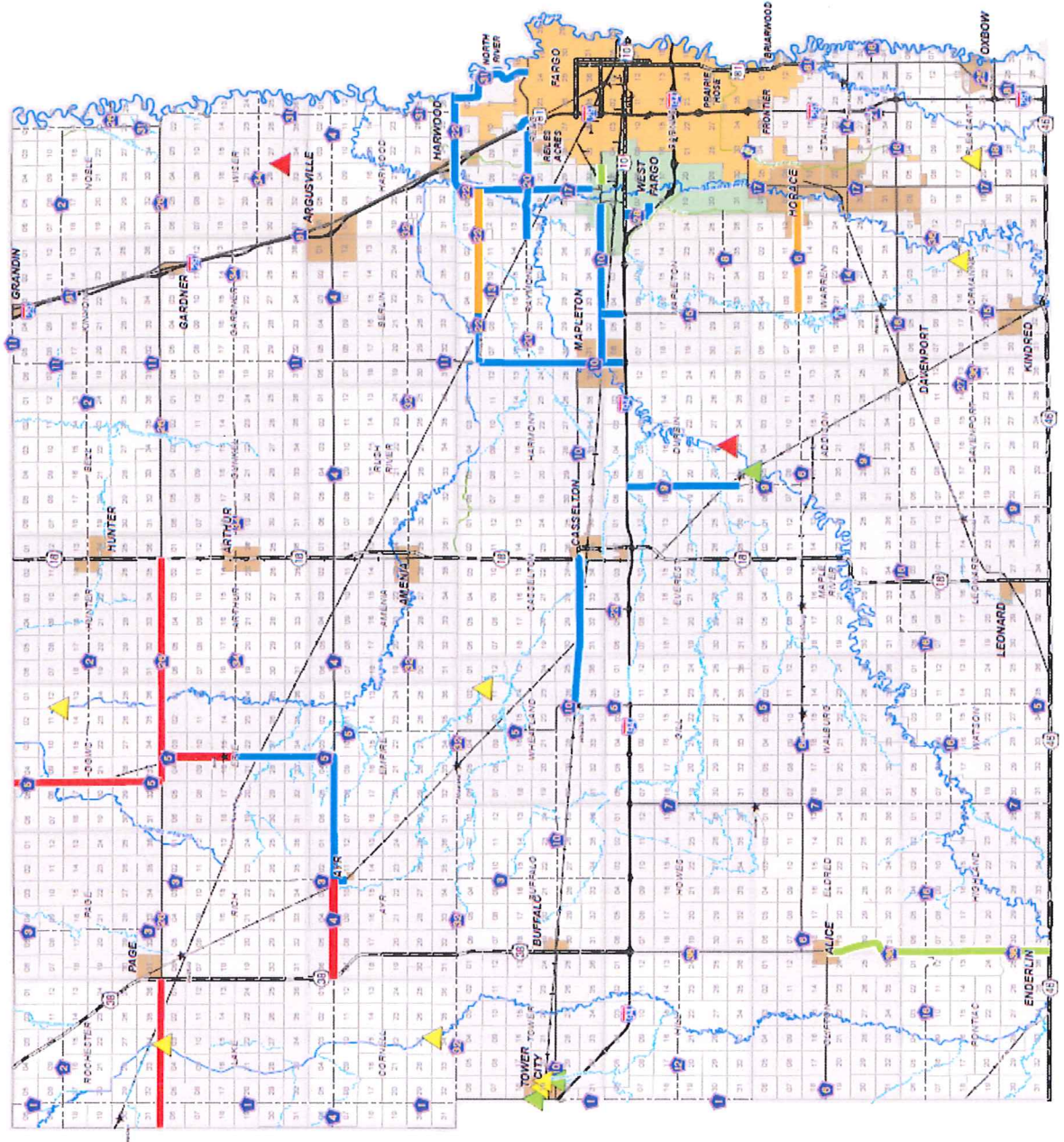
Cass Highway 38 – State Hwy 46 to Alice Alice

- State Hwy 46 to the City of Alice – 9.1 Miles
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- Grade, Recycle Existing Asphalt Pavement
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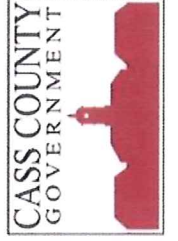
Chip Seals

- 53 Miles
- \$1,474,196.13 - Est
- \$1,300,000.00 - Bid
- All Local Funding
- Options
 - City of North River - \$12.4K Est.
 - Highland Park - \$45K
 - Wild Rice Estates - \$10.2 K



Projects

- Bituminous Overlay
- Chip Seal
- Grading & Bituminous Surfacing
- Gravel Stabilization
- ▲ Structure Removal
- ▲ Structure Replacement
- ▲ Option (Replacement)



Gravel Stabilization

Cass 6

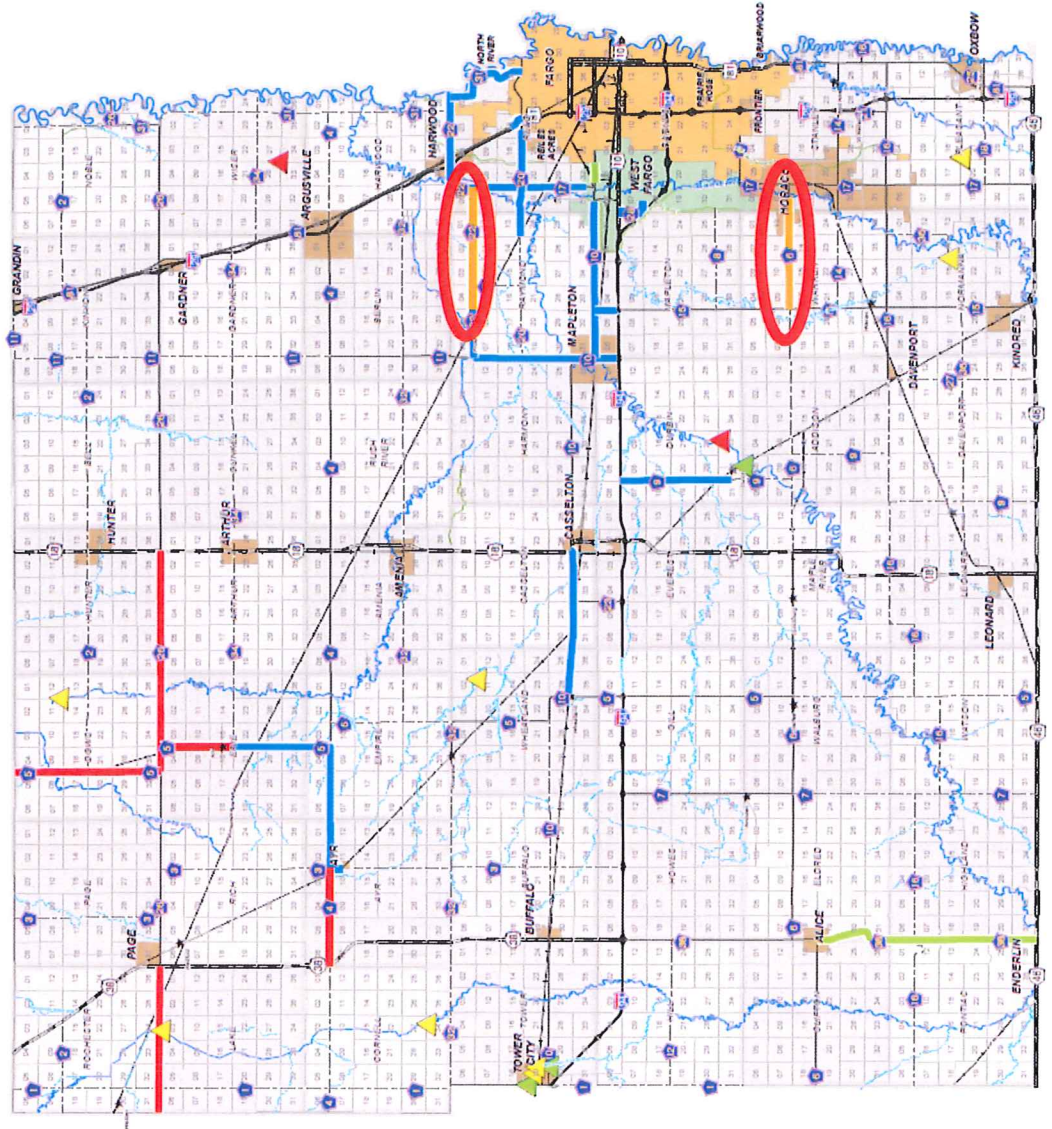
- \$455,206 - Est All local funding
- Hwy. 15 - 4.5 Miles East
- Pull in Shoulders/Narrow roadway
- Blend Asphalt Millings with gravel and stabilize

Cass 22

- \$166,133. All local funding
- City of Prosper to Hwy. 17 - 5.0 Miles
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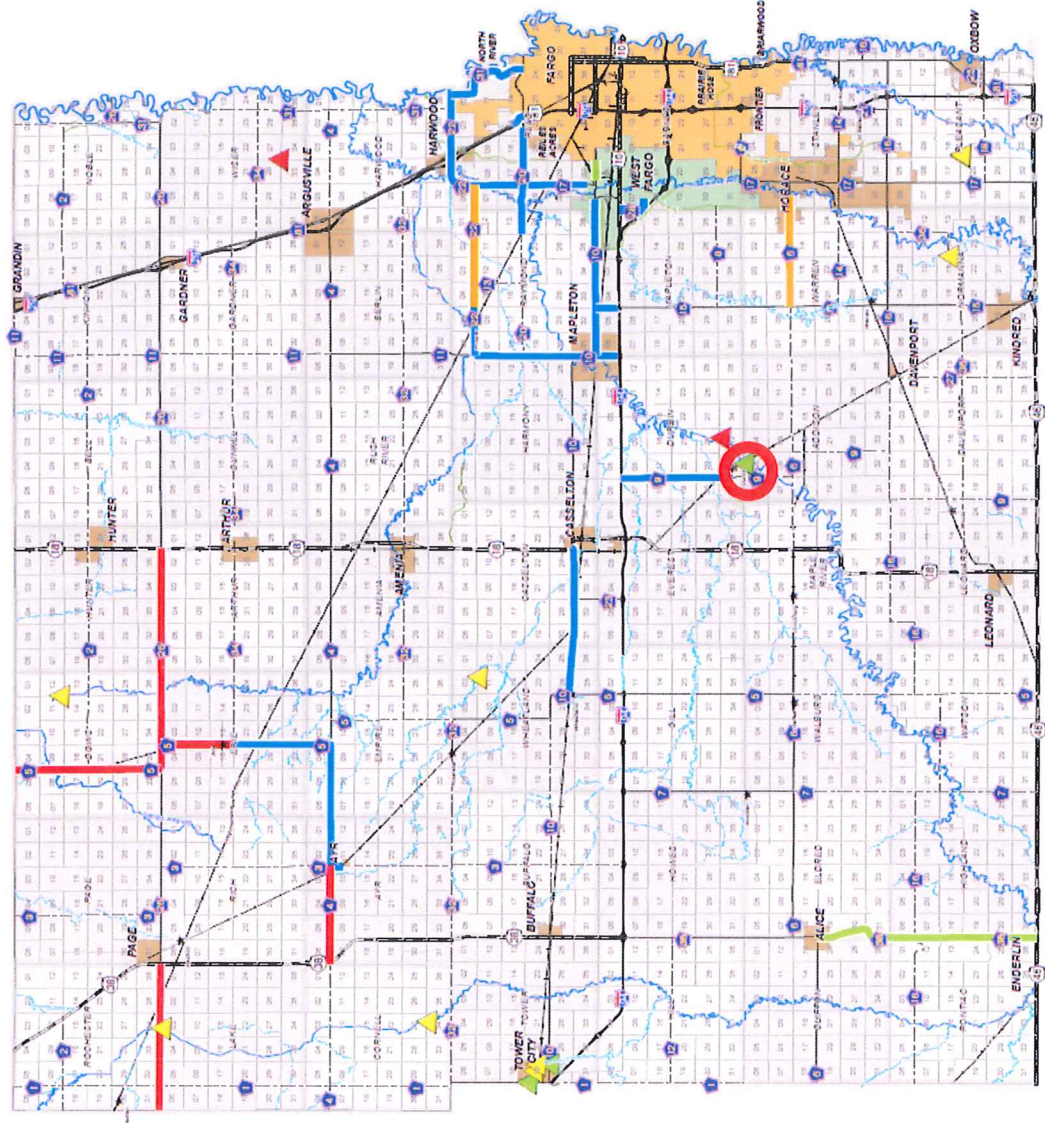
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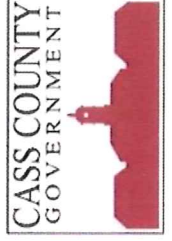
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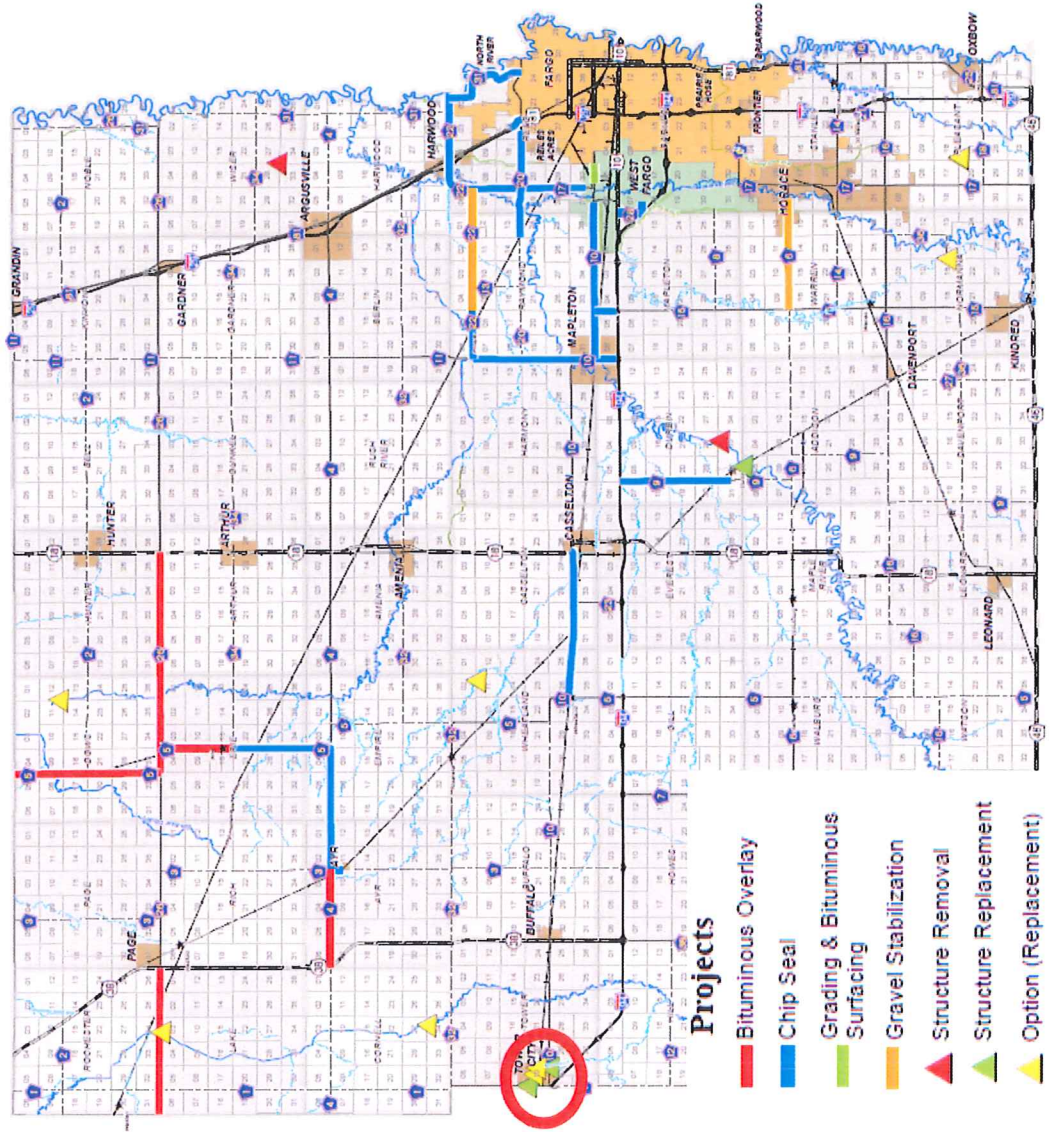
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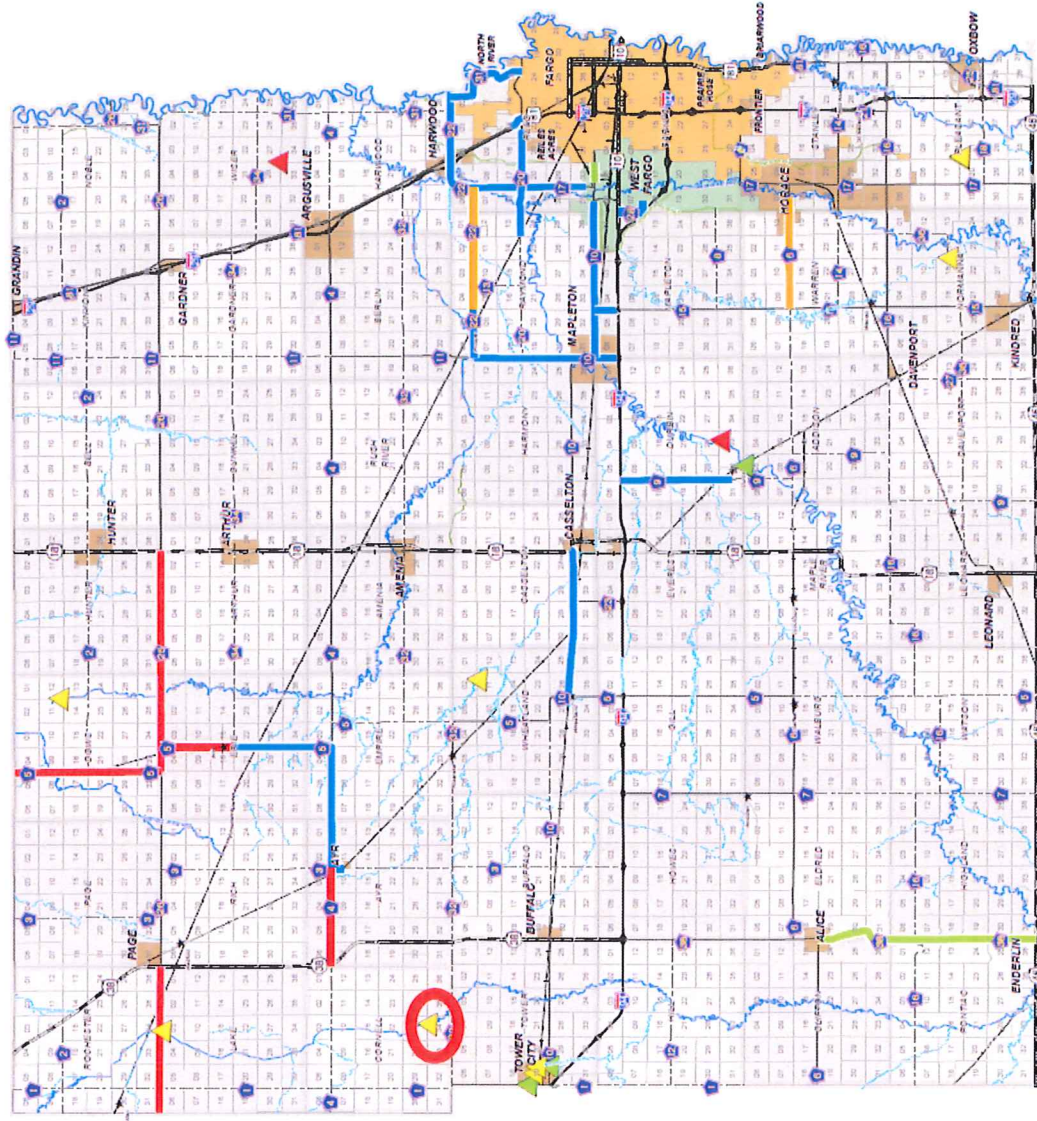
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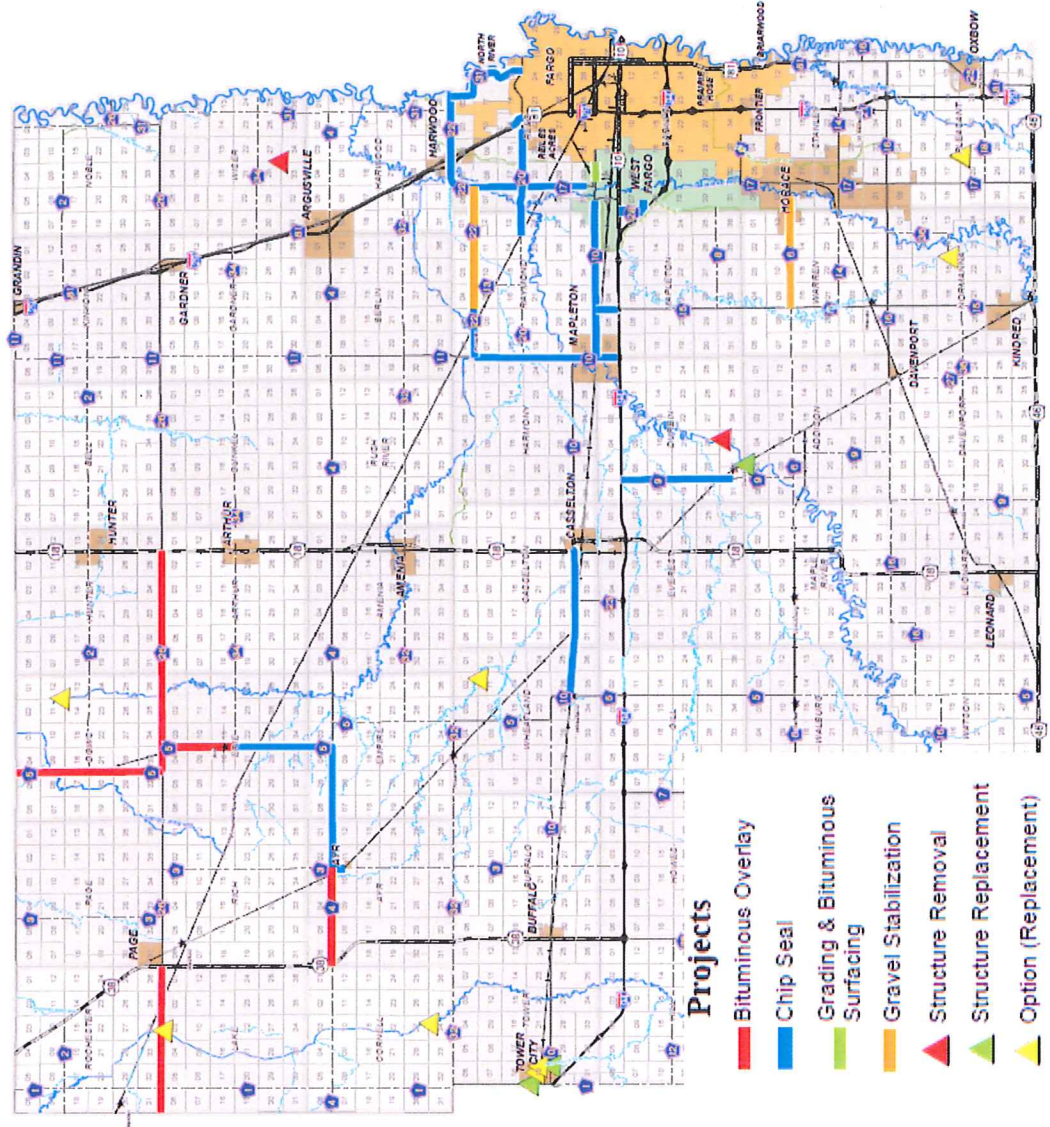
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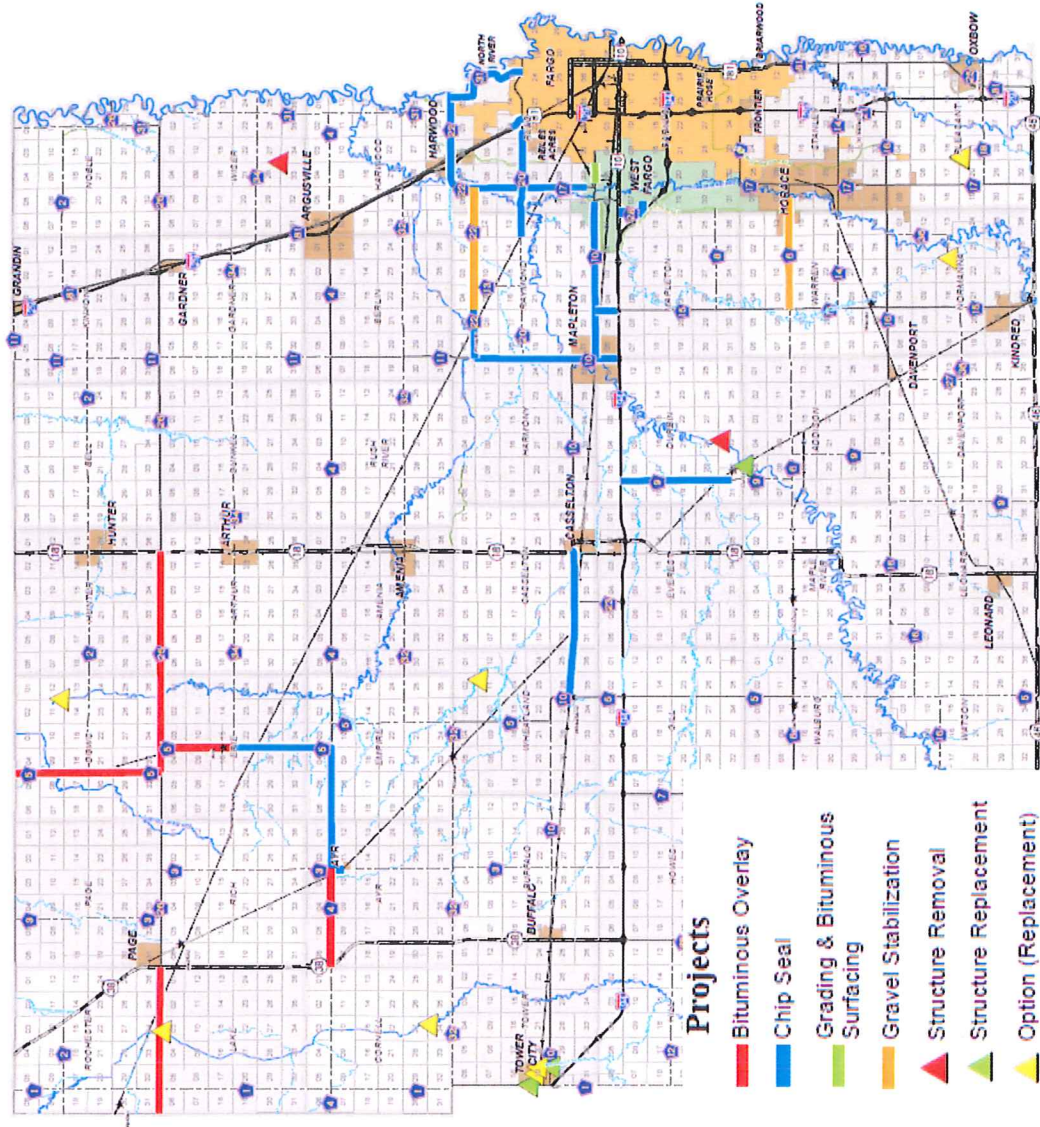
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**Review of Highways that meet the
design standards for 65mph**

Cass County Highway Department

Preliminary Map displays potential roads and there restrictions.



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March 20, 2017**

Other Business

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