



Grand Forks - East Grand Forks Metropolitan Planning Organization

MPO Staff Report

MPO Technical Advisory Committee: December 12, 2018

MPO Executive Board: December 19, 2018

RECOMMENDED ACTION: Consider HSIP Candidate Projects for the FY2020-2023 TIP as Being Consistent with the Metropolitan Transportation Plan and Give Priority Ranking

Matter of HSIP Candidate Projects for 2020-2023 TIP.

Background: The MPO and NDDOT formally solicited candidate projects for the 2020-23 TIP/STIP. In order for the MPO to give both the local agencies as much time as possible yet still allow MPO staff to “vet” the candidate projects, the project submittal deadline to the MPO was December 4th.

One application was submitted by the City of Grand Forks. Red Light Confirmation Indicators for the Intersections of S Washington St & 40th Ave S and S Washington St & 47th Ave S (MATERIALS ONLY). The estimated total cost is \$10,000 with a request of \$9,000 in federal funds. These intersections have been identified in the LRSP for Red Light Confirmation Indicators. The red light confirmation indicators and signal heads will be installed by city forces.

Separate staff reports are released for the ND Transportation Alternative, ND Urban Grant (Main Street), Urban Local Roads, and Urban Regional Roads.

Findings and Analysis:

- The MPO must annually prepare a Transportation Improvement Program
- TIP eligible projects with the MPO Area must be submitted to the MPO for its consideration
- The projects submitted are being considered as being consistent with the Metropolitan Transportation Plan (via the LRSP) with the understanding that as FAST is implemented this determination is subject to change.
- One project should be given high priority ranking.

Support Materials:

- Pages from LRSP
- Applications

**HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP)
PROJECT APPLICATION**

North Dakota Department of Transportation, Programming
SFN 59959 (1-2016)

**23 USC § 409 Documents
NDDOT Reserves All Objections**

Please attach a location map(s). You may use additional sheets to further describe your project.

Agency Name City of Grand Forks		NDDOT District Grand Forks	
Contact Name David Kuharenko		Telephone Number 701-746-2649	
Email Address dkuharenko@grandforksgov.com		Project Cost Estimate(attach detailed copy) 10,000	Current Date 11/28/2018
Location Description Intersections of S Washington St and 40th Ave S and S Washington St and 47th Ave S Intersection ID in LRSP 810.01 and 810.02	Roadway Ownership <input type="checkbox"/> State <input type="checkbox"/> County <input checked="" type="checkbox"/> City <input type="checkbox"/> Tribe		SHSP Emphasis Area(check all that apply) <input type="checkbox"/> Younger Drivers <input type="checkbox"/> Speeding or Aggressive Drivers <input type="checkbox"/> Alcohol-Related <input type="checkbox"/> Unbelted Vehicle Occupants <input type="checkbox"/> Lane Departure <input checked="" type="checkbox"/> Intersections
	Speed Limit 40	Ref. Point(s)	
	AADT ~10,000		
Functional Class <input type="checkbox"/> Local Road or Street <input type="checkbox"/> Minor Collector <input type="checkbox"/> Major Collector <input type="checkbox"/> Minor Arterial <input checked="" type="checkbox"/> Principal Arterial			
Improvement Category (check one)			
<input type="checkbox"/> Access Management <input type="checkbox"/> Intersection Geometry <input type="checkbox"/> Parking <input type="checkbox"/> Roadway Delineation <input type="checkbox"/> Advanced Technology & ITS <input checked="" type="checkbox"/> Intersection Traffic Control <input type="checkbox"/> Pedestrians & Bicyclists <input type="checkbox"/> Roadway Signs & Traffic Control <input type="checkbox"/> Alignment <input type="checkbox"/> Lighting <input type="checkbox"/> Railroad Grade Crossings <input type="checkbox"/> Shoulder Treatments <input type="checkbox"/> Animal Related <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Roadside <input type="checkbox"/> Speed Management <input type="checkbox"/> Interchange Design <input type="checkbox"/> Non-infrastructure <input type="checkbox"/> Roadway <input type="checkbox"/> Work Zone			
Describe Current Safety Issues These intersections have been identified in the LRSP for Red Light Confirmation Indicators. These intersections include S Washington St & 40th Ave S (810.02) and S Washington St & 47th Ave S (810.01).			
Describe Proposed Safety Improvements The proposed project is FOR MATERIALS ONLY for the red light confirmation indicators and signal heads to be installed by city forces at the intersections of S Washington St & 40th Ave S and S Washington St and 47th Ave S.			

For questions or comments contact:
Shawn Kuntz
701-328-2673
skuntz@nd.gov
Please email completed form to this address: hsip@nd.gov

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

Right Angle Crashes @ Signals Intersection Improvements

Intersections on 10th St - S Washington St from S 48th Ave to S 32nd Ave

Agency Name: City of Grand Forks
Contact Name: Jane Williams
Email Address: JWilliams@grandforksgov.com

ND DOT District: 6
Telephone Number: 701-787-3720

Please attach a location map(s). You may use additional sheets to further describe your project.

Location Description

Corridor 810.02
Street Name 10th St - S Washington St
Urban/Rural: Urban
County: Grand Forks
Length 1.1

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - Enhancing Emergency Medical Capabilities to Increase
 - Improve Intersection Safety

Describe Proposed Safety Improvements

Intersection ID	Street Name	Cross Street	Config	Traffic Control	Entering ADT	Major Config	Severe Crashes	Severe Angle Crashes	Confirmation Lights	Notes
810.01	S Washington St	47th Ave S	X	Signal	9,298	Divided	0	0	1	Ped / bike projects suggested on other sheets.
810.02	S Washington St	40th Ave S	X	Thru-STOP	10,710	Divided	3	3	1	Ped / bike projects suggested on other sheets.
810.03	S Washington St	32nd Ave S	X	Signal	18,653	Divided	0	0	1	Ped / bike projects suggested on other sheets.

Describe Current Safety Issues & Systemic Ranking Review

Intersection Criteria		North Dakota Crashes, 2008 - 2012		5 years	
Criteria	Value	Description	Unit Cost	Quantity	Total Cost
Traffic Control Device	Signal	Confirmation Lights	\$1,200 per intersection	3	\$3,600
Entering ADT	> 18000	Unsignalized and Divided Access Management	\$360,000 per mile	0.0	\$0
Road Geometry	Divided	*Corridor includes miles of divided roadway.			
Severe Crashes	> 1				\$3,600

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$3,240
Local Match (10% of Total project cost)	\$360
*Total Project Cost	\$3,600

*Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency

NDDOT Central Office Only

Project Accepted? Yes No Reference Number: _____ ID Number: _____

Notes: _____

City of Grand Forks Right Angle Project Summary

Intersection Count	Segment #	Local Name	Cross Street	Projects		Intersection Project Cost
				Access Management	Confirmation Lights	
1	803.02	S 42nd St	24th Ave S	0	0	\$0
2	803.02	S 42nd St	17th Ave S	0	1	\$1,200
3	803.03	S 42nd St	11th Ave S	0	1	\$1,200
4	803.03	S 42nd St	DeMers Ave/ND 297	0	1	\$1,200
5	803.03	N 42nd St	University Ave	0	1	\$1,200
6	803.03	N 42nd St	6th Ave N	0	1	\$1,200
7	803.04	N 42nd St	US 2/Gateway Dr	0	1	\$1,200
8	804.01	Stanford Rd	US 2/Gateway Dr	0	1	\$1,200
9	805.01	S 34th St	DeMers Ave/ND 297	0	1	\$1,200
10	807.02	Columbia Rd	24th Ave S	0	1	\$1,200
11	807.02	Columbia Rd	20th Ave S	0	0	\$0
12	807.02	Columbia Rd	17th Ave S	0	1	\$1,200
13	807.02	14th Ave S	Columbia Rd	0	0	\$0
14	807.02	Columbia Rd	13th Ave S	0	1	\$1,200
15	807.03	Columbia Rd	University Ave	0	1	\$1,200
16	807.04	Columbia Rd	6th Ave N	0	1	\$1,200
17	807.04	Columbia Rd	8th Ave N	0	0	\$0
18	807.04	Columbia Rd	US 2/Gateway Dr	0	1	\$1,200
19	809.02	S 20th St	DeMers Ave/ND 297	0	1	\$1,200
20	809.03	N 20th St	US 2/Gateway Dr	0	1	\$1,200
21	810.02	S Washington St	47th Ave S	0	1	\$1,200
22	810.02	S Washington St	40th Ave S	0	1	\$1,200
23	810.02	S Washington St	32nd Ave S	0	1	\$1,200
24	810.03	S Washington St	28th Ave S	0	1	\$1,200
25	810.03	S Washington St	Frontage Road	0	0	\$0
26	810.03	S Washington St	24th Ave S	0	1	\$1,200
27	810.03	S Washington St	Campbell Dr	0	1	\$1,200
28	810.03	S Washington St	17th Ave S	0	1	\$1,200
29	810.03	S Washington St	Hammerling Ave & Frontage Road	0	0	\$0
30	810.04	S Washington St	13th Ave S	0	1	\$1,200
31	810.04	S Washington St	8th Ave S	0	0	\$0
32	810.04	S Washington St	DeMers Ave/ND 297	0	1	\$1,200
33	810.05	N Washington St	University Ave	0	1	\$1,200
34	810.05	N Washington St	8th Ave N	0	0	\$0
35	810.06	N Washington St	US 2/Gateway Dr	0	1	\$1,200
36	811.02	Cherry St	4th Ave S	0	1	\$1,200
37	812.02	Belmont Rd	32nd Ave S	0	0	\$0
38	812.02	Belmont Rd	4th Ave S	0	1	\$1,200
39	812.03	S 5th St	Kittson Ave	0	1	\$1,200
40	812.04	S 5th St	DeMers Ave	0	1	\$1,200
41	812.04	S 5th St	1st Ave N	0	1	\$1,200
42	812.04	N 5th St	2nd Ave N	0	1	\$1,200
43	812.04	N 5th St	5th Ave N	0	1	\$1,200
44	812.05	N 5th St	US 2 / Gateway Dr	0	1	\$1,200
45	816.01	N 3rd St	US 2/Gateway Dr	0	1	\$1,200
46	822.01	32nd Ave S	I-29 South Ramp	0	1	\$1,200
47	822.02	32nd Ave S	I-29 North Ramp	0	1	\$1,200
48	822.02	32nd Ave S	S 31st St	0	1	\$1,200
49	822.02	32nd Ave S	S 25th St	0	1	\$1,200
50	822.02	S 38th St	32nd Ave S	0	1	\$1,200
51	822.02	S 34th St	32nd Ave S	0	1	\$1,200
52	822.02	Columbia Rd	32nd Ave S	0	1	\$1,200
53	822.02	S 20th St	32nd Ave S	0	1	\$1,200
54	830.01	DeMers Ave (ND 297)	Columbia Rd North Ramp	0	1	\$1,200
55	838.01	Gateway Dr (US 2)	N 47th St	0	1	\$1,200
56	838.01	Gateway Dr (US 2)	I-29 South Ramp	0	1	\$1,200
57	838.01	Gateway Dr (US 2)	I-29 North Ramp	0	1	\$1,200

23 USC 409
NDDOT Reserves All Objections

2018 HSIP APPLICATION (Construction 2023)
Project: Red Light Confirmation Indicators (MATERIALS ONLY)
S Washington St and 40th Ave S & S Washington St and 47th Ave S
11/28/2018

SPEC NO.	CODE NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	ITEM TOTAL
		Signal Heads with RLCI	8	EA	\$850.00	\$6,800.00
2018 Subtotal						\$6,800.00
5 Years of Inflation at 4%						\$1,473.24
2023 Construction Subtotal						\$8,273.24
~20% Contingencies						\$1,726.76
Project Total						\$10,000.00
Federal Share 90%						\$9,000.00
Local Share 10%						\$1,000.00