

Safety Certification Document

Analyst: Ryan Mayer

Agency: WisDOT

Date of Analysis: 4/17/2019

Design ID: 6020-04-02

Highway: USH 51

Project Title: DeForest – Portage, Tomlinson Road to Ontario Street

1. Did the project have Meta-Manager Safety Flags? Yes ☐ No ☒

Comments: None of the segments were flagged.

2. Did relevant crashes remain after initial Crash Vetting Process? Yes ☐ No ☐

Comments: N/A

3. Are safety improvements needed to address concerns after the CGA Process? Yes ☐ No ☐

Comments: N/A

4. Were safety mitigation alternatives analyzed in this project? Yes ☐ No ☒

4.1. Provide narrative of existing geometric conditions

4.2. Provide narrative of crash history that was used to begin the SMCP

4.3. Provide narrative of safety mitigation alternatives analyzed in SMCP

4.4. Analysis Results

The table below summarizes alternative crash forecasts, cost, and benefit/cost ratio for the total project.

Total Project Analysis	Base	Alt. A	Alt. B	Alt. C	Add columns
Name					
Analysis Method					
Fatal & Injury					
Property Damage					
Total					
Cost					
B/C					

- 4.5. Provide narrative of reasonable and acceptable safety mitigation alternatives for consideration in the project improvement process

5. Approval

<i>Steve Flottmeyer</i>	<i>4/17/2019</i>
Region Planning Chief	Date

ATTACHMENTS

- A. Project Location/Overview Map
- B. Sites of Promise Documentation
 - a. Meta-Manager file (XLS kept in electronic file)
- C. Crash Vetting Documentation
 - a. WisTransPortal crash data spreadsheet with vetting comments (PDF)
- D. Safety Certification Worksheet (PDF)
- E. Safety Mitigation Certification Documentation
 - a. IHSDM output report (PDF)
 - b. IHSDM final working files (native file format kept in electronic file)
 - c. Highway Safety Benefit Cost Analysis Tool results (PDF)

Safety Certification Map (SCM)

Design ID

6020-04-02

Construction ID(s)

6020-04-72

Project Title

DEFOREST - PORTAGE

Project Description

TOMLINSON ROAD TO ONTARIO STREET

SCM Comment

Meta Manager Version:

2018-06

Meta Manager Crash Years:

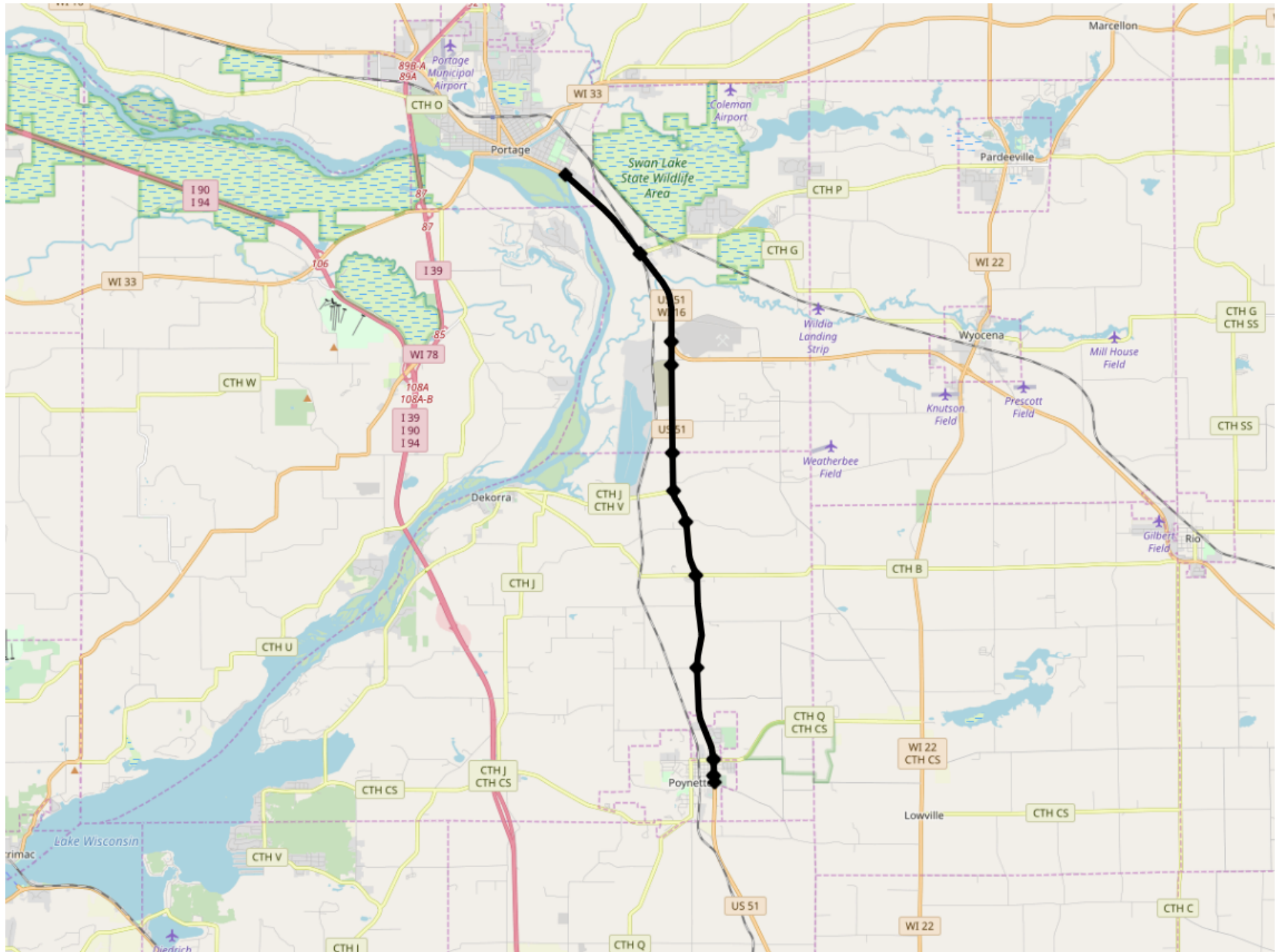
2013-2017

SCM Crash Years:

2013-2017

Sites of Promise

Corridor #	Highway	Start County	End County	Start RP	End RP
1	US 51 NB	COLUMBIA	COLUMBIA	051N088 281	051N103P000



Corridor # 1: US 51 NB - 051N088 281 - 051N103P000

Meta Manager Version: 2018-06 Crash Years: 2013-2017					SCM Crash Years: 2013-2017					
PDP ID	Crash	KAB	Int Crash	Int KAB	K	A	B	C	O	TOTAL
11200										0
11201										0
11202						2	2	3	8	15
11203						1	1		3	5
11204							1	1	4	6
11205								1		1
11206									2	2
11207							1		4	5
11208										0
11209						1	3	5	15	24
11210					1	3	4	4	17	29
TOTAL					1	7	12	14	53	

Manner of Collision

PDP ID	NO COLLISION	REAR END	SS OPP	SS SAME	OTHER	TOTAL
11200						0
11201						0
11202	5	4			6	15
11203	2	2		1		5
11204	4	2				6
11205		1				1
11206	2					2
11207	3	1			1	5
11208						0
11209	4	11	1	2	6	24
11210	8	8		5	8	29

FDM 11-38 Attachment 10.2 Safety Certification Worksheet

Safety Certification Worksheet

SSA ID: 839

Design ID: 6020-04-02

Date of Analysis: 2019-02-28

Meta Manager Version: 2018-06

Highway: US 51 NB

Project Title: DEFOREST - PORTAGE

Project Description: TOMLINSON ROAD TO ONTARIO STREET

Meta Manager Crash Years: 2013-2017

System Screening - Sites of Promise									Crash Vetting - Sites of Promise	Contributing Geometric Analysis	
See FDM 11-38-10.2 for guidance									See FDM 11-38-10.3 for guidance	See FDM 11-38-10.4 for guidance	
PDP ID	From RP	RP Description	To RP	Length (PDP_Mile)	Crash Rate Flag (RATEFLAG) (Insert value if ≥ 1.0)	KAB Crash Rate Flag (MMGR_KAB_CRSH_RT) (Insert value if ≥ 1.00)	Intersection Crash Rate Flag (MM Database Name) (Insert value if ≥ 1.0)	Intersection KAB Crash Rate Flag (MM Database Name) (Insert value if ≥ 1.0)	Summarize the contributing factors for ALL crashes in the flagged segment or intersection.	Which geometric features contribute to the type and severity of the crashes?	Possible Countermeasures for Safety Mitigation Process
11200	051N088 281	TOMLINSON RD	051N088 292	0.11					N/A		
11201	051N088 292		051N092 000	0.27					N/A		
11202	051N092 000	CTH Q and CS	051N095 000	1.54					N/A		
11203	051N095 000	THOMPSON RD	051N097 000	1.53					N/A		
11204	051N097 000	CTH B	051N098 000	0.89					N/A		
11205	051N098 000	MORSE RD	051N099M000	0.57					N/A		
11206	051N099M000	CTH V and J	051N099M062	0.62					N/A		
11207	051N099M062		051N100M092	1.42					N/A		
11208	051N100M092		051N101K000	0.37					N/A		
11209	051N101K000	STH 16 EB	051N103G000	1.61					N/A		
11210	051N103G000	CTH P	051N103P000	1.77					N/A		