State of Wisconsin
Department of Transportation

pmp

Project ID : 8520-01-05 **Route :** STH 077
Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K
Region : NORTHWEST **County :** SAWYER

Segment #1

Attributes Auxiliary Lane Comments General

Primary ** ✓

Segment - General Go to top of page

Segment limits	USH 63 TO CTH K
Improvement concept **	Resurfacing (Includes RSRF 10, 20, 30 & COLD 10, 20)
Main line length **	4.91 Miles
Side road length	0 Miles
Route type	State Trunk Highway
Location type	Transitional
Terrain	Level
Functional class	Arterial Minor
Average Daily Traffic (ADT), current year	4,844
Current year (ADT)	2018
Average Daily Traffic (ADT), design year	0
Design year (ADT)	0
Latest percent truck traffic	17%
Existing posted speed	35 MPH
Expected posted speed	35 MPH
Development type	Developing
Design speed	N/A
Design class	N/A
Number of roadways	1
Width of roadways	24 Feet
Number of lanes	2
Width of lanes	12 Feet
Shoulder width: Left	3 Feet
Shoulder width: Right	3 Feet
Clear zone	0 Feet
Structure minimum design loading	N/A
Clear roadway width of bridges	0 Feet
Median width: 0 Feet	
Cross section comments	

State of Wisconsin
Department of Transportation

Project ID : 8520-01-05 **Route :** STH 077
Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K
Region : NORTHWEST **County :** SAWYER

Environmental

Environmental - General		
	Environmental Document type	Programmatic Categorical Exclusion (PCE)
	Consistent with SIP/STIP/TIP	
✓	**Environmental field review**	Possibly T&E survey, possible wetland delineation
	Special control issues	
	Erosion control analysis	
	Land use analysis plan (secondary impacts)	
	Aesthetics	
	Agricultural Impact Statement	
✓	**Endangered species**	Section 7 consultation for NLEB
	Upland impacts	
	Air quality analysis	
	Construction stage noise analysis	
	Traffic noise analysis/abatement	
	Environmental justice analysis	
Historical/Archeological		
	Section 106 screening list	Not on list
	Section 106 screening date	
	Archeological investigation **	
	Historical investigation **	
Burial Site(s)/Cemetery (157.70) **		
	Uncataloged burial authorization required	
	Cataloged burial permit required	
Hazardous Materials **		
	Phase 1 - Hazardous materials assessment	
	Phase 2 - Subsurface investigation	
	Phase 2.5 - Add'l investigation/def. ext. of contam. in R/W	
	Phase 3 - Def. ext. of contamination & remediation planning	
	Phase 4 - Remediation	
	Asbestos on structures	

	Lead paint on structures	
Public Recreational, Historical and Wildlife Areas		
	4(f) Evaluation	
	6(f) Requirements	
Wetland, Streams, Floodplain Impacts		
	Section 404 permit **	Wetland and/or Waterway Impacts: Less than five acres
	Section 401 water quality certification **	
	Section 10 permit	
	Section 9 permit	
	Water impacts	
	Coastal waters	
	Storm water management analysis	
	Wetland impacts	
✓	**Wetland delineation**	If wetland disturbance is anticipated a delineation will be needed
	Mitigation on site	
	Mitigation near site	
✓	**Mitigation bank site**	If we have impacts
	Mitigation consolidation site	
	Wetland mitigation monitoring	
	Acreage of impact	0
Department of Natural Resources		
	Initial coordination	
	Construction timing/scheduling/special considerations	
Comments		

Last updated by SCHAFF, NICHOLAS A on 01/17/2019

State of Wisconsin
Department of Transportation

Project ID : 8520-01-05 **Route :** STH 077
Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K
Region : NORTHWEST **County :** SAWYER

Planning

Major, Mega-Major or Corridor projects

- **Interstate Access Justification Report (IAJR) ****
- **Federal Mega-Major(Total project cost > $500 million) ****

Miscellaneous issues

- **Construction constraints**
- ✓ **Long truck route**
- **National Highway System (NHS) route**
- **Vacating roadway(s)**
- **Local group organized in support or opposition to project**
- **State trunk highway changes or other statutory action**
- ✓ **Other project impacts** OSOW Route

Existing Access

- **Existing access control**
- **Statutes 84.09 - purchase**
- **Statutes 84.25 statutory**
- **Statutes 84.295 freeway/expressway**
- ✓ **Statutes 86.07 statutory**
- **State Access Management Plan tier 1**
- **State Access Management Plan tier 2A**
- **State Access Management Plan tier 2B**
- ✓ **State Access Management Plan tier 3**
- **State Access Management Plan tier 4**
- **Existing permits**

Proposed Access

- **Statutes 84.09 - purchase**
- **Statutes 84.25 statutory**
- **Statutes 84.295 freeway/expressway**
- ✓ **Statutes 86.07 statutory**
- **State Access Management Plan tier 1**

- State Access Management Plan tier 2A
- State Access Management Plan tier 2B
- ✓ State Access Management Plan tier 3
- State Access Management Plan tier 4
- Obtain permits
- Proposed development
- Acquire access control
- Reduce or change access points

Multimodal

- Multimodal features
- Pedestrian accommodation
- Bike accommodation
- Park and ride
- Mass transit
- Planning enhancement

Traffic studies and counts

- Origin - Destination (OD) study
- Crash analysis needed
- Manual traffic counts
- Mainline traffic counts
- Side roads traffic counts
- Business traffic counts
- Turning movement traffic counts
- Special traffic counts
- Traffic counting loop impacts
- Traffic projections
- Location Study Report
- Automatic traffic recorders

Design issues

- Aeronautics (airports) coordination required
- Community Sensitive Solutions (CSS)
- Connecting highway
- Impacts to tribal lands
- Jurisdictional transfer
- Non-participating items
- Divide highway
- Expressway standards
- Freeway standards
- Roadway widening
- Increase roadway capacity

Weather station

State Municipal Agreement **

Local

Maintenance

Parking

Cost share

Wetland mitigation

Hazardous materials remediation

Structures

Special conditions

Utilities

Notification of changes in funding

Non-participating work - local facilities

Comments

Work with access coordinator for access review. Birkie Foundation will be placing an overpass approximately 1/4 mile east of Hatchery Rd.

Last updated by BOWKER, MARC P on 02/07/2019

Auxiliary lanes Go to top of page

Number	Description	Comment
No Auxiliary lanes for this segment.		

Attributes Go to top of page

	New alignment	
	Connecting highway	
	Acquire vision triangle	
	Bike accommodation	
	Curb	
	Curb and gutter	
	Exceptions to standards	
	Freeway operations coordination	
	Improve intersection	
	Improve horizontal alignment	
	Improve vertical alignment	
	Parking	
	Sidewalk	
	Storm sewer	
	Sanitary sewer replacement	
	Water main replacement	

Comments Go to top of page

Last updated by SMRSTICK, TIMOTHY J on 12/12/2018

State of Wisconsin
Department of Transportation

pmp

Project ID : 8520-01-05 **Route :** STH 077
Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K
Region : NORTHWEST **County :** SAWYER

Soils and Pavements

Soils - General		
✓	**Soils Report ****	Preliminary report only for Cold In-Place Recycle project.
	Select subgrade required	Within mapped area for inclusion. Not req'd for CIR projects.
	Type and quality of available material	
	Predominant soil type	Silty Loam
	Design Group Index	14
	Soil Support Value	3.9
Soils - Roadway Conditions		
✓	**Potential frost susceptible soils**	No known frost heaves at this time. Need input from Maintenance.
	Marsh excavation	Marshes excavated as part of 1993 project.
	Bedrock or outcrops to be encountered	
	Slope stability issues	
	--->Cut sections	
	--->Fill sections	
	High water table	
	Springs/seeps	
	Underdrain problems	
	Excavation below subgrade	
	Floating road core/corduroy	
	Desirable grade line location	
	Two stage soil investigation required	
	Preliminary grade line review required	
	Final grade line review required	
Soils - Borings		
	Soil borings required	
	--->At cut to fill transition	
	--->In cut sections	
	Structure borings required	
Soil Comments		

Cold in-place recycle project will require pavement cores and possibly Ground Penetrating Radar work. Project 8530-05-71 plan pavement thickness is 5" HMA over 12" CABC.

Last updated by KING, ORVILLE D on 01/14/2019

Pavements - General		
✓	**Pavement Design Report ****	
	Life cycle cost analysis required	
	PSI,IRI,PCI Data Year	
	Pavement Condition Index (PCI)	Min: Max:
	International Roughness Index (IRI)	Min: Max:
	Pavement Serviceability Index (PSI)	Min: Max:
Pavement Distress - PC Concrete		
	Raveled transverse joints and cracks	
	Raveled longitudinal joints and cracks	
	Cracked slabs with movement	
	Joint faulting	
	Surface spall	
Pavement Distress - Asphaltic		
	Transverse cracking	
	Block cracking	
	Alligator cracking	
	Raveled surface	
	Raveled edge	
Pavements - Evaluation/History		
	Existing pavement structure	
	Existing pavement condition	
	Year of original construction	
	Year(s) resurfaced/rehabilitated	
	Year(s) rut filled	
	Asphaltic Concrete Pavement (ACP)	approximate number of cores at foot intervals
	ACP thickness/verfication & condition (not recycling cores)	approximate number of cores (at specific locations)
	Portland Cement Concrete (PCC) pavement	approximate number of cores at foot intervals
	PCC pavement depth verification & joint study (not pay cores)	approximate number of cores (at specific locations)
Pavement - Alternatives		
	Alternative Rehab Strategies (include life expectancy and approximate cost per mile)	
No Pavement - Alternatives		
Preliminary proposed alternative		

1/28/19 DCH: This project was changed to a 3.25" mill and overlay (4 MT 58-34V) due to the concerns with the run off the road crashes. Add about 500 tons of Asphaltic Surface for Misc Repairs. 12/7/18 DCH. 8400 AADT. Asbuilt shows 5" HMA over 7" pulverize over base, 14.5% trucks, 1,900,000 esals. Propose No premill (assuming it is allowed), 2.75" HMA (5 MT 58-34V), 4" CIR. If a premill is required, I may recommend a 3.25" mill and overlay. 1000 CY of CIR base repair. Expected life is 12 - 15 yrs.

Pavement Comments

Last updated by HARINGS, DEVIN C on 01/31/2019

State of Wisconsin
Department of Transportation

pmp

Project ID : 8520-01-05 **Route :** STH 077
Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K
Region : NORTHWEST **County :** SAWYER

Structure # 1

Existing Structure		
	Existing structure ID	B-57-0061
	Existing structure type	DECK GIRDER CONT PREST CONC
	Year constructed	2000
	Latest year of rehab	2000
	Current condition	
	Bridge sufficiency number	84.8
	Rate score	100
	Vertical clearance	
	Clear roadway width	43.3
	Last inspection date	09/13/2017
	Posted load rating	
	Inventory rating	HS20
	Feature on	STH 77
	Feature over/under	NAMEKAGON RIVER
	Location	1.2M E JCT USH 63 TO N
	Existing Skew	0
	Existing Structure Sq/FT	5232
Existing Utilities		
Existing Lighting		
Proposed Structure Work		
	Proposed structure work **	No Structure Work (0Hrs)
	Related Construction Project ID	8520-01-75
	Proposed structure ID	
	Spans or Cells	1
	Proposed aesthetic value	No aesthetics
	Skew	Not on Skew
	Widening	No Widening
	Curved Superstructure	Not Curved or Tapered
	Twin Structure (-50%)	
	Structure Survey Report (+20Hrs)	
	Steel Tub Girders (+10%)	

	Super Elevation Transition on Structure (+10%)	
	Non-Standard Pier (Straddle bent, integral cap) (+20%)	
	Utility/Lighting Accommodation (+10%)	
	Sign Structure Mounted on Structure (+10%)	
	Raised Sidewalks (+10%)	
	Bridge Painting (with other structure work) (95Hrs)	
	Tapered Superstructure (+30%)	
	Staged Construction (+10%)	
	Structural approach slab (+24Hrs)	
	Estimated Design Hours	0
	Estimated structure construction cost	$ 0
Proposed Utilities		
Proposed Lighting		
Additional Information		
	Additional work required	
	Approach slabs	
	Approach work	
	Canoe/boat landing	
	Consultant design structure	
	Dam	
	Existing foundations	
	Fisherman's platform	
	Gauging station (USGS)	
	High cost bridge	
	Pedestrian/bike lanes	
	Snowmobiles	
Comments		

Last updated by BJORKLUND, ALLAN M on 01/07/2019

State of Wisconsin
Department of Transportation

Project ID : 8520-01-05 **Route :** STH 077
Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K
Region : NORTHWEST **County :** SAWYER

Roadway Crash Data (excluding deer) Entry #1

Crash data years	From: 2013 To: 2017
Segment	From: USH 63 To: CTH K
Segment RP	From: 077E068D000 To: 077E075K000
Segment Length (in miles)	4.92
Average Daily Traffic (ADT)	4608
ADT Year	2017
Meta-Manager Safety Peer Group (roadway type)	Rural 2-lane Highways with 2,000 < AADT </= 7,000
Statewide Average Crash Rate Year	2010-2014

Crash Severity	Number of Crashes	Segment Crash Rate	Statewide Average Crash Rate
All Types	31	74.93	73.87
Fatal	1	2.42	
Type "A" Injury	0	0	
Type "B" Injury	6	14.51	
Type "C" Injury	3	7.26	
Property Damage Only	21	50.76	
KA - Fatal and Type "A" Injury	1	2.42	
KAB	7	16.92	17.37
KABC	10	24.17	

Comments

PDP Segment 15396 had an intersection KAB crash rate flag, all crashes were vetted out due to no engineering countermeasures being available. PDP Segment 15400 had an intersection crash rate flag, all crashes were vetted out due to no engineering countermeasures being available. PDP Segment 15402 had a KAB and Intersection KAB crash rate flag, all crashes were vetted out due to no engineering countermeasures being available.

Last updated by BAKER, ROSS H on 12/11/2018

State of Wisconsin
Department of Transportation

Project ID : 8520-01-05 **Route :** STH 077
Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K
Region : NORTHWEST **County :** SAWYER

Traffic Ancillary

Work Zone Traffic Control

Feature Number	TMP	Traffic control strategies indicated	Temporary Signals	Location
1	Type 2	✓		

Traffic Miscellaneous

	New regulatory speed zones	
✓	Centerline Rumble strips	
	Shoulder Rumble strips	
✓	Safety edge	
	Traffic regulations	
	Traffic control for bicycle facilities	
	Permits needed	
	Passing percentage	
	Traffic capacity analysis	
✓	Freight / Over sized-Over weight (OSOW)	
✓	Over-Size/ Over-Weight route (OSOW-TR, OSOW High Clearance, Wind tower Route, Long Truck route)	OSOW and long truck route
	Level of Traffic Model Peer Review needed	
	Other	

Traffic Miscellaneous

Comments

The Traffic Unit is evaluating whether 5-foot paved shoulders and shoulder rumbles strips are eligible for HSIP funding in the year of this 3R project, and can be programmed as a separate funding category to the 3R project ID. If determined HSIP-eligible, an HSIP app will be submitted (three years prior to the bid letting date) requesting approval for the appropriate FY. The 3R Design ID will be used for design of the HSIP project

Signing

Feature Number	Existing	Proposed	Signing Plan Required **	Related Construction ID

Pavement Marking

Feature Number	Existing	Proposed	Pavement Marking Plan Required **	Related Construction ID

Street Lighting

Feature Number	Existing	Required	Proposed	Location	Lighting Plan Required **	Related Construction ID

Intelligent Transportation System (ITS)

Feature Number	Existing	Proposed System	Related Construction ID

State of Wisconsin
Department of Transportation

pmp

Project ID : 8520-01-05 **Route :** STH 077
Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K
Region : NORTHWEST **County :** SAWYER

Feature #1

Work Zone Traffic Control Strategies

Traffic Management Plan (TMP)	Type 2
Location	
Detour Tech memo	
Other reports required	
Traffic Control Strategies that may be considered	Staged under traffic Open to traffic Oversize/Overweight vehicle impacts Advance signing Flagging

Comments

Temporary Signals

Temporary signal study by

Temporary signal(s) to be designed by by

Temporary signal(s) to be operated by

Temporary signal(s) to be maintained by

Temporary signal(s) timing by

Temporary signal(s) required

Temporary signal(s) require pedestrian/bicycle provisions

Temporary signal(s) require railroad preemption

Work Zone Traffic Control Strategies

Temporary signal(s) will be interconnected

Comments

Last updated by BAKER, ROSS H on 12/11/2018

Project ID : 8520-01-05 **Route :** STH 077

Title : HAYWARD - CLAM LAKE **Sub Title :** USH 63 TO CTH K

Region : NORTHWEST **County :** SAWYER

Project ID	Utility Type	Utility Company Name	Utility Company Legal Name	1077 Start	1077 End	1078 Start	1078 End
8520-01-75	COMMUNICATION LINE	CenturyLink	Telephone USA of Wisconsin, LLC				
8520-01-75	COMMUNICATION LINE	Charter Com	Charter Communications				
8520-01-75	COMMUNICATION LINE	Norvado	Chequamegon Communications Cooperative, Inc.				
8520-01-75	COMMUNICATION LINE	Xcel Energy	Northern States Power Company, a Wisconsin corporation				
8520-01-75	COMMUNICATION TOWER	Xcel Energy	Northern States Power Company, a Wisconsin corporation				
8520-01-75	ELECTRICITY-TRANSMISSION	Xcel Energy	Northern States Power Company, a Wisconsin corporation				
8520-01-75	ELECTRICITY	Xcel Energy	Northern States Power Company, a Wisconsin corporation				
8520-01-75	GAS/PETROLEUM	We Energies	Wisconsin Gas LLC d/b/a We Energies				
8520-01-75	SEWER	City of Hayward W&S	City of Hayward Waterworks and Sewer				
8520-01-75	WATER	City of Hayward W&S	City of Hayward Waterworks and Sewer				

State of Wisconsin Department of Transportation

Project ID : 8520-01-05
Title : HAYWARD - CLAM LAKE
Region : NORTHWEST

Route : STH 077
Sub Title : USH 63 TO CTH K
County : SAWYER

Print Close

Project Note/Issue/Risk #1

Subject Area	Project Level Scoping	No Railroad - See Description/Action Required	**Functional Area**	TSS
Subject Code	Railroad		**Type**	Note
Author	DAVEY, ANNA L		**Change Management**	
Open Date	01/15/2019		**Issue Code**	RR - Railroad
Related ID	85200105, 85200175		**Closed Date**	
Issue/Risk Status			**Ball in Court**	
Priority			**Action Required**	
Severity			**Deadline**	
PMP Team Recipients			**Potential Impact**	
CC Recipients			**Reports**	

Description/Action Required

Date/Time	Description/Action Required	Ball in Court	Email Sent
01/15/2019 15:58	There are no railroads affected by this project. If the project limits change, project detour or haul road include a RR crossing, RR RE needed or if a Rails to Trails corridor is affected then RR coordination will need to be readdressed. Otherwise, DT1804 Federal Railroad Cert and pseTrak signoff otherwise RR coordination 100% complete.		N

Comments/Next Steps

Resolutions

Last updated by DAVEY, ANNA L on 01/15/2019

State of Wisconsin Department of Transportation

Project ID : 8520-01-05
Title : HAYWARD - CLAM LAKE
Region : NORTHWEST

Route : STH 077
Sub Title : USH 63 TO CTH K
County : SAWYER

Print Close

Project Note/Issue/Risk #2

Subject Area	Program Level Scoping	19 Scope Defintiion	**Functional Area**	SPO - Planning
Subject Code	Program Scoping		**Type**	Note
Author	VORK, REBECCA S		**Change Management**	
Open Date	02/06/2019		**Issue Code**	
Related ID			**Closed Date**	
Issue/Risk Status			**Ball in Court**	
Priority			**Action Required**	
Severity			**Deadline**	
PMP Team Recipients			**Potential Impact**	
CC Recipients			**Reports**	

Description/Action Required

Date/Time	Description/Action Required	Ball in Court	Email Sent
02/06/2019 15:12	01/16/2019 Scoping Meeting: No known frost heaves Any marshes were excavated in 1993 No premill, 4 inch CIR, 2.75¿ HMA One bridge, no work required No survey data, will schedule between Jan- March 2019 Potential shoulder widening with rumble strips, if it looks likely will set up ID now under 3R and update if approved HSIP Blix will be working on culvert survey Does City want to go to more urban cross section, not likely with this project but could check for future work Keep at Scope Def *PMP* This section of STH 77 is a OSOW, Long Truck Route, and Minor Arterial. The proposed work is CIR with 2.75¿ overlay of the existing pavement. Project Map PCAT Segment Summary Photo log Asbuilt LC 11: 3/1/2019 LC 12: 11/1/2019 LC 15: 6/1/2021 January Scoping Meeting will discuss Soils, Pavements, Structures, Survey, Traffic Safety, Maintenance and Planning		N

Comments/Next Steps

Resolutions

Last updated by VORK, REBECCA S on 02/06/2019