

Project 1440-39-30/60
STH 23
FOND DU LAC - PLYMOUTH
USH 151 - CTH UU
FOND DU LAC COUNTY

ASSUMPTIONS MADE AT THE TIME OF SCOPING
DESIGN AND ENGINEERING JUDGEMENT REQUIRED
Aug-17

2.09 MI

	ANITICPATED MAJOR BID ITEMS	QUANITY	2016/2017 FOR NE REGION UNIT COST	COST	ESTIMATOR		BID X	
					UNIT COST	COST	UNIT COST	COST
204.0100	REMOVING PAVEMENT	0.00	\$14	0				
204.011	REMOVING ASPH SURFACE		\$2					
204.0120	MILLING	18,381	1.80	\$33,087	2.00	\$36,818	1.88	\$34,557
204.0150	REMOVING CURB & GUTTER	250	15.00	\$3,750	5.49	\$1,372	5.37	\$1,343
204.0165	REMOVING GUARDRAIL	0	3.00	\$0		\$0		\$0
205.0100	COMMON EXCAVATION		12.00			\$0		\$0
208.0100	BORROW	0	7.75	\$0		\$0		\$0
305.0110	3/4" CABC	2,171	16.96	\$36,815	17.03	\$36,966	18.01	\$39,094
305.0120	1-1/4" CABC		14.20	\$0		\$0		\$0
311.0110	BREAKER RUN			\$0		\$0		\$0
315.0200	ASPHALTIC BASE WIDENING			\$0		\$0		\$0
320.0155	CONCRETE BASE 9 IN		37.00	\$0		\$0		\$0
390.0203	ASPHALT BASE PATCHING		110.00	\$0		\$0		\$0
415.0090	9" CONCRETE PAVT		42.00	\$0		\$0		\$0
415.1090	HES 9" CONCRETE PAVT	0	39.00	\$0		\$0		\$0
416.1710	CONCRETE REPAIR	8,279	59.00	\$488,463	59.00	\$488,463	59	\$488,463
420.1000	CONT DIAMOND GRINDING	55,194	4.89	\$269,897	4.89	\$269,897	4.89	\$269,897
455.0105	ASPH MAT'L	0	585.00	\$0		\$0		\$0
455.0605	TACK	1,050	4.25	\$4,464	4.73	\$4,963	3.37	\$3,540
460.6224	HMA 4 MT 58-28 S	2,206	61.50	\$135,655	67.12	\$148,043	57.51	\$126,854
460.6424	HMA 4 MT 58-28 H	0	60.20	\$0		\$0		\$0
465.0400	ASPHALTIC SHLD RUMBLE STRIP	0	0.20	\$0		\$0		\$0
465.0475	ASPH CNTRL RUMBLE STRIP	0	0.20	\$0	0.26	\$0	0.31	\$0
601.0411	CURB & GUTTER 30-IN TYPE D	250	26.00	\$6,500	22.49	\$5,622	21.69	\$5,423
603.8000	CONC BARRIER DEL	0	18.00	\$0		\$0		\$0
603.8125	CONC BARRIER INST	0	9.00	\$0		\$0		\$0
614.0305	BEAM GUARD CLASS A	0	15.00	\$0		\$0		\$0
646.0106	PAVT MARKING	55,176	0.40	\$22,070	0.40	\$22,070	0.35	\$19,312
SPECIAL	PAVT MARKING; GROOVED WET REFLECTIVE EPOXY	0	0.92	\$0	0.92	\$0	0.97	\$0
646.2304.S								
				\$1,000,701	\$1,014,215		\$988,481	

INTERSECTIONS
(MINOR IMPROVEMENTS)
(CURB&GUTTER; CURB RAMPS; CLEARING VISION CORNERS)
REAL ESTATE NOT INCLUDED or ANTICIPATED

WISCONSIN AMERICAN DR	\$5,000
CTH K	\$10,000
WHISPERING SPRINGS DR	\$5,000
HILLTOP DR	\$5,000
NORTHWAY DR	\$5,000
CTH UU	\$10,000

PLANNING

TRANS-75	\$0	N/A
WIDENING FOR BIKES	\$0	N/A
SIDEWALK	\$0	N/A
MULTI-MODAL	\$0	N/A
ACCESS	\$0	N/A
CURB RAMPS	\$0	N/A

MAINTENANCE

CULVERTS	\$0	ANTICIPATE THE COUNTY WILL DO ANY WORK NEEDED
BEAM GUARD	\$0	VERIFY WITHIN DESIGN
BG END TREATMENTS	\$0	VERIFY WITHIN DESIGN
DITCHING	\$0	N/A
SLOPE RECONSTRUCTION AREAS	\$0	N/A
STORM SEWER	\$0	N/A

STRUCTURES

STRUCTURES		
B-XX-XXXX	\$0	ANTICIPATE THE COUNTY WILL DO ANY WORK NEEDED

TRAFFIC

WAVE TRONICS	\$0	N/A
SIGNS	\$6,270	ASSUMING \$3K PER MI - RURAL
DETOUR	\$0	VERIFY IN DESIGN
MONOTUBES	\$0	N/A
SIGNALS	\$0	N/A
ITS	\$0	N/A
LIGHTING	\$0	N/A

SOILS & PAVEMENTS

FROST HEAVES	\$0	N/A
FRICTION ENHANCEMENT ON CURVE	\$0	N/A
ADDITIONAL OVERLAY	\$0	N/A
ENHANCEMENT ON STEEP GRADES	\$10,000	VERIFY IN DESIGN

ENVIRONMENTAL

WETLAND MITIGATION	\$0	UNKNOWN AT TIME OF SCOPING
HAZ-MAT	\$0	N/A

ANTICIPATED COSTS	subTOTAL	\$1,056,971
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INCIDENTALS

TRAFFIC CONTROL	\$105,697	10%
EROSION CONTROL	\$21,139	2%
MOBILIZATION	\$63,418	ASSUMING STATE AVG OF
LANDSCAPING	\$0	0%

ANTICIPATED COSTS PLUS INCIDENTALS	subTOTAL	\$1,247,225
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UNKNOWN KNOWNS

\$62,361	5%
subTOTAL	\$1,309,587
\$1,086,800	COST PER MILE

(ASSUMING \$520K PER MILE)

UNKNOWN UNKNOWNNS

\$65,479	5%
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subTOTAL	\$1,375,066	2017
	\$1,409,443	2018
	\$1,444,679	2019 ADVANCEABLE SCHEDULE DATE: 5/2019
		SCHEDULE DATE 11/2028

CSS

\$0	N/A
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TOTAL	\$1,444,679	
	\$1,450,000	W/ O DELIVERY

\$116,000	DELIVERY	8%
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REAL ESTATE

\$0	REAL ESTATE ID N/A	3%
	REEVALUATE AT 30%	

UTILITIES

\$0	UTILITY ID N/A	1%
	REEVALUATE AT 30%	

RAILROAD

\$0	RAILROAD	
	SIGNALS/SURFACE	
	REEVALUATE AT 30%	

NOTES:

UNKNOWN KNOWN AND UNKNOWN UNKNOWN COSTS SHOULD DECREASE THROUGHOUT THE LIFE OF THE DESIGN PROJECT