

Wisconsin Department of Transportation			
Conceptual Cost Estimate SUMMARY Version 2.0	Project I.D.	1130-31-00	
	Highway	US 41	
	Project Title	US 41 Expansion (Winnebago, Outagamie, and Brown Counties)	
	Project Limits	Segment 7: CTH U Interchange	
Project Type	Urban	Topography	Moderate
Project Duration	Multi	Soil Type	Coarse-grained
Current Year	2019	Start Construction	2048
Start Preliminary Design	2043	End Construction	2052
Alternative #:	Planning Study		

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	Total	NOTES
MAJOR ROADWAY ITEMS					
Removing Pavement	SY	10,100	\$ 5.00	\$51,000	
Barrier Wall	LF	-	\$ 110.00	\$0	
Curb & Gutter	LF	2,500	\$ 16.00	\$40,000	
Earthwork					
Common	CY	17,533	\$ 10.00	\$175,000	
Marsh	CY	-	\$ 10.00	\$0	
Rock	CY	-	\$ 10.00	\$0	
Borrow	CY	-	\$ 10.00	\$0	
EBS	CY	-	\$ 10.00	\$0	
Signalized Intersections					
Pavement	EACH	-	\$ 250,000.00	\$0	
Pavement					
Mainline	SY	-	\$ 45.00	\$0	
System Ramps	SY	-	\$ 45.00	\$0	
Service Ramps	SY	6,600	\$ 45.00	\$297,000	
Cross Road	SY	7,000	\$ 40.00	\$280,000	
Frontage Roads	SY	-	\$ 40.00	\$0	
Local Roads	SY	-	\$ 30.00	\$0	
Mainline Shoulders	SY	-	\$ 30.00	\$0	Assumed 5" depth
Ramp Shoulders	SY	3,600	\$ 30.00	\$108,000	Assumed 5" depth
Base					
Mainline	SY	-	\$ 8.00	\$0	
System Ramps	SY	-	\$ 8.00	\$0	
Service Ramps	SY	6,600	\$ 8.00	\$53,000	
Cross Road	SY	7,000	\$ 8.00	\$56,000	
Frontage Roads	SY	-	\$ 8.00	\$0	
Local Roads	SY	-	\$ 8.00	\$0	
Mainline Shoulders	SY	-	\$ 8.00	\$0	
Ramp Shoulders	SY	3,600	\$ 8.00	\$29,000	
Subbase					
Mainline	SY	-	\$ 12.00	\$0	
System Ramps	SY	-	\$ 12.00	\$0	
Service Ramps	SY	6,600	\$ 12.00	\$79,000	
Cross Road	SY	-	\$ 10.00	\$0	
Frontage Roads	SY	-	\$ 10.00	\$0	
Local Roads	SY	-	\$ 10.00	\$0	
Mainline Shoulders	SY	-	\$ 12.00	\$0	
Ramp Shoulders	SY	3,600	\$ 12.00	\$43,000	
Major Roadway Subtotal (MRS)				\$1,211,000	
ALLOWANCE ITEMS					
DRAINAGE		% of MRS	11.4%	\$138,000	
EROSION CONTROL & RESTORATION		% of MRS	9.3%	\$112,000	
LIGHTING		% of MRS	1.4%	\$17,000	
ROADWAY INCIDENTALS		% of MRS	28.9%	\$349,000	
SIGNING/MARKING		% of MRS	3.0%	\$37,000	
TRAFFIC CONTROL & STAGING		% of MRS	4.8%	\$58,000	
ITS/ FTMS		% of MRS	1.0%	\$12,000	
Allowance Subtotal				\$723,000	

STRUCTURES					NOTES
	UNIT	QUANTITY	UNIT PRICE	Total	
Bridge Removal	EACH	-	\$ 65,000.00	\$0	
New Bridge (Single Level Interchange)	SF	-	\$ 120.00	\$0	
Bridge Redecking	SF	-	\$ 70.00	\$0	
Bridge Widening	SF	-	\$ 140.00	\$0	
New Retaining Wall	SF	-	\$ 70.00	\$0	
Noise Wall Removal	EACH	-	\$ 75,000.00	\$0	
New Noise Walls	SF	-	\$ 50.00	\$0	
New Box Culvert/Extension	LF	-	\$ 2,300.00	\$0	
Sign Bridge - Cantilever	EACH	-	\$ 30,000.00	\$0	
Sign Bridge - Single Span	EACH	-	\$ 60,000.00	\$0	
Structure Incidentals		% of Structures	10%	\$0	
Structure SubTotal				\$0	
SPECIAL CONSTRUCTION ELEMENTS					NOTES
	UNIT	QUANTITY	UNIT PRICE	Total	
Temporary Bridges	Insert	-	\$ -	\$0	
Temporary Roadways	Insert	-	\$ -	\$0	
Environment Mitigation	Insert	-	\$ -	\$0	
Community Sensitive Design	Insert	-	\$ -	\$0	
Hazardous Materials	Insert	-	\$ -	\$0	
Bypass / Alternate Routes	Insert	-	\$ -	\$0	
Special Construction Elements Subtotal				\$0	
Construction Costs Estimate (CCE)				\$1,934,000	
CONTEXT SENSITIVE SOLUTIONS (CSS)					
CSS		% of Item CCE	5%	\$97,000	
Base Construction Costs Estimate (BCCE)				\$2,031,000	
SCOPE CHANGE ALLOWANCE ITEMS					
PROJECT SCOPE INCREASE ALLOWANCE		% of Item BCCE	24%	\$487,000	
Estimated Const. Let Amount (ECLA)				\$2,518,000	
PROJECT DELIVERY ALLOWANCE ITEMS					
PRELIMINARY ENGINEERING		% of Item BCCE	7.2%	\$181,000	
FINAL ENGINEERING		% of Item BCCE	5.4%	\$136,000	
CONSTRUCTION ENGINEERING		% of Item BCCE	9.2%	\$232,000	
CONST CHANGE ORDERS & CLAIMS		% of Item BCCE	10.4%	\$262,000	
TRAFFIC MITIGATION		% of Item BCCE	1.5%	\$38,000	
PUBLIC INVOLVEMENT		% of Item BCCE	1.0%	\$25,000	
Delivery Allowance Subtotal				\$874,000	
EXTERNAL COSTS					NOTES
REAL ESTATE		8% of Item BCCE	\$162,000	\$162,000	
COMPENSABLE UTILITIES		3% of Item BCCE	\$61,000	\$61,000	
JURISDICTIONAL TRANSFERS			\$0	\$0	
External Costs Subtotal				\$223,000	
Base Project Cost Estimate				\$3,615,000	