

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 Co.)		
Project Limits	USH 41 & WIS 47 Interchange		
Project Type	Urban ▼	Topography	Moderate ▼
Project Duration	Multi	Soil Type	Coarse-grain ▼
Current Year	2019	Start Construction	2028
Start Preliminary Design	2020	End Construction	2028
Alternative #:	Planning Study		

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	Total	NOTES
MAJOR ROADWAY ITEMS					
Removing Pavement	SY	2,347	\$ 10.00	\$23,000	
Barrier Wall	LF	-	\$ 150.00	\$0	
Curb & Gutter	LF	-	\$ 25.00	\$0	
Beamguard	LF	591	\$ 30.00	\$18,000	
Beamguard EAT	EACH	1	\$ 3,000.00	\$3,000	
Box Culvert	EACH	-	\$ 100,000.00	\$0	
Earthwork					
Common	CY	3,615	\$ 12.00	\$43,000	
Marsh	CY	-	\$ -	\$0	
Rock	CY	-	\$ -	\$0	
Borrow	CY	-	\$ -	\$0	
EBS	CY	-	\$ -	\$0	
Signalized Intersections	EACH	-	\$ 250,000.00	\$0	
Pavement					
Mainline	SY	1,906	\$ 50.00	\$95,000	
System Ramps	SY	-	\$ 50.00	\$0	
Service Ramps	SY	-	\$ 50.00	\$0	
Cross Road	SY	-	\$ 45.00	\$0	
Frontage Roads	SY	-	\$ 45.00	\$0	
Local Roads	SY	-	\$ 30.00	\$0	
Mainline Shoulders	SY	1,709	\$ 30.00	\$51,000	Assumed 5" depth
Ramp Shoulders	SY	-	\$ 30.00	\$0	Assumed 5" depth
Base					
Mainline	SY	1,906	\$ 8.00	\$15,000	
System Ramps	SY	-	\$ 8.00	\$0	
Service Ramps	SY	-	\$ 8.00	\$0	
Cross Road	SY	-	\$ 8.00	\$0	
Frontage Roads	SY	-	\$ 8.00	\$0	
Local Roads	SY	-	\$ 8.00	\$0	
Mainline Shoulders	SY	1,709	\$ 8.00	\$14,000	
Ramp Shoulders	SY	-	\$ 8.00	\$0	
Subbase					
Mainline	SY	1,906	\$ 12.00	\$23,000	
System Ramps	SY	-	\$ 12.00	\$0	
Service Ramps	SY	-	\$ 12.00	\$0	
Cross Road	SY	-	\$ 10.00	\$0	
Frontage Roads	SY	-	\$ 10.00	\$0	
Local Roads	SY	-	\$ 10.00	\$0	
Mainline Shoulders	SY	1,709	\$ 12.00	\$21,000	
Ramp Shoulders	SY	-	\$ 12.00	\$0	
Major Roadway Subtotal (MRS)				\$306,000	
ALLOWANCE ITEMS					
DRAINAGE		% of MRS	2.0%	\$6,000	
EROSION CONTROL & RESTORATION		% of MRS	2.0%	\$6,000	
ROADWAY INCIDENTALS		% of MRS	10.0%	\$31,000	
TRAFFIC CONTROL & STAGING		% of MRS	10.0%	\$31,000	
Allowance Subtotal				\$74,000	

STRUCTURES		UNIT	QUANTITY	UNIT PRICE	Total	NOTES
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		UNIT	QUANTITY	UNIT PRICE	Total	NOTES
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)					\$380,000	
PROJECT DELIVERY ALLOWANCE ITEMS						
PRELIMINARY ENGINEERING		% of Item CCE	7.2%	\$27,000		
FINAL ENGINEERING		% of Item CCE	5.4%	\$21,000		
CONSTRUCTION ENGINEERING		% of Item CCE	9.2%	\$35,000		
Delivery Allowance Subtotal					\$83,000	
EXTERNAL COSTS						NOTES
REAL ESTATE		% of Item CCE	0.0%	\$0		
COMPENSABLE UTILITIES		% of Item CCE	0.0%	\$0		
JURISDICTIONAL TRANSFERS		% of Item CCE	0.0%	\$0		
External Costs Subtotal					\$0	
Base Project Cost Estimate					\$463,000	
RISK ADJUSTMENTS						NOTES
Risk Item A			\$0	\$0		
Risk Item B			\$0	\$0		
Risk Item C			\$0	\$0		
Risk Adjustment Subtotal					\$0	
ESTIMATE UNCERTAINTY						NOTES
Uncertainty Item A			\$0	\$0		
Uncertainty Item B			\$0	\$0		
Uncertainty Item C			\$0	\$0		
Estimate Uncertainty Subtotal					\$0	
Current Year Total Project Cost Estimate					\$463,000	