

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 96/Wisconsin Ave		
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
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MAJOR ROADWAY ITEMS

Removing Pavement	SY	4,200	\$ 5.00	\$21,000	
Barrier Wall	LF	-	\$ 110.00	\$0	
Beamguard	LF	2,107	\$ 30.00	\$63,000	
Curb and Gutter	LF	2,500	\$ 16.00	\$40,000	
Beamguard EAT	EACH	2	\$ 3,000.00	\$6,000	
Earthwork					
Common	CY	5,700	\$ 10.00	\$57,000	
Marsh	CY	-	\$ 10.00	\$0	
Rock	CY	-	\$ 10.00	\$0	
Borrow	CY	-	\$ 10.00	\$0	
EBS	CY	-	\$ 10.00	\$0	
Signalized Intersections	EACH	-	\$ 250,000.00	\$0	
Pavement					
Mainline	SY	-	\$ 45.00	\$0	
System Ramps	SY	-	\$ 45.00	\$0	
Service Ramps	SY	1,400	\$ 45.00	\$63,000	
Cross Road	SY	3,200	\$ 40.00	\$128,000	
Frontage Roads	SY	-	\$ 40.00	\$0	
Local Roads	SY	-	\$ 30.00	\$0	Assumed 5" depth
Mainline Shoulders	SY	-	\$ 30.00	\$0	Assumed 5" depth
Ramp Shoulders	SY	1,100	\$ 30.00	\$33,000	Assumed 5" depth
Base					
Mainline	SY	-	\$ 8.00	\$0	
System Ramps	SY	-	\$ 8.00	\$0	
Service Ramps	SY	1,400	\$ 8.00	\$11,000	
Cross Road	SY	3,200	\$ 8.00	\$26,000	
Frontage Roads	SY	-	\$ 8.00	\$0	
Local Roads	SY	-	\$ 8.00	\$0	
Mainline Shoulders	SY	-	\$ 8.00	\$0	
Ramp Shoulders	SY	1,100	\$ 8.00	\$9,000	
Subbase					
Mainline	SY	-	\$ 12.00	\$0	
System Ramps	SY	-	\$ 12.00	\$0	
Service Ramps	SY	1,400	\$ 12.00	\$17,000	
Cross Road	SY	3,200	\$ 10.00	\$32,000	
Frontage Roads	SY	-	\$ 10.00	\$0	
Local Roads	SY	-	\$ 10.00	\$0	
Mainline Shoulders	SY	-	\$ 12.00	\$0	
Ramp Shoulders	SY	1,100	\$ 12.00	\$13,000	
Major Roadway Subtotal (MRS)				\$519,000	

ALLOWANCE ITEMS

DRAINAGE	% of MRS	2.0%	\$10,000
EROSION CONTROL & RESTORATION	% of MRS	2.0%	\$10,000
ROADWAY INCIDENTALS	% of MRS	10.0%	\$52,000
SIGNING/MARKING	% of MRS	2.0%	\$10,000
TRAFFIC CONTROL & STAGING	% of MRS	10.0%	\$52,000
Allowance Subtotal			\$134,000

STRUCTURES	UNIT	QUANTITY	UNIT PRICE	Total	NOTES
Bridge Removal	EACH	-	\$ 65,000.00	\$0	
Slope Paving Removal	EACH	1	\$ 10,000.00	\$10,000	
Sign Bridge Removal	EACH	1	\$ 5,000.00	\$5,000	
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	1,900	\$ 70.00	\$133,000	
Noise Wall Removal	EACH	-	\$ 75,000.00	\$0	
New Noise Walls	SF	-	\$ 50.00	\$0	
New Box Culvert/Extension	LF	40	\$ 2,300.00	\$92,000	
Sign Bridge - Cantilever	EACH	-	\$ 30,000.00	\$0	
Sign Bridge - Single Span	EACH	1	\$ 60,000.00	\$60,000	
Structure Incidentals		% of Structures	10%	\$30,000	
Structure SubTotal				\$330,000	

SPECIAL CONSTRUCTION ELEMENTS	UNIT	QUANTITY	UNIT PRICE	Total	NOTES
Temporary Bridges		-	\$ -	\$0	
Temporary Roadways		-	\$ -	\$0	
Environment Mitigation		-	\$ -	\$0	
Community Sensitive Design		-	\$ -	\$0	
Hazardous Materials		-	\$ -	\$0	
Bypass / Alternate Routes		-	\$ -	\$0	
Special Construction Elements Subtotal				\$0	

Construction Costs Estimate (CCE) \$983,000

PROJECT DELIVERY ALLOWANCE ITEMS				
PRELIMINARY ENGINEERING		% of Item CCE	7.2%	\$71,000
FINAL ENGINEERING		% of Item CCE	5.4%	\$53,000
CONSTRUCTION ENGINEERING		% of Item CCE	9.2%	\$90,000
Delivery Allowance Subtotal				\$214,000

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 \$1,197,000

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 \$1,197,000