

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 15/Northland Ave 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	5,675	\$ 5.00	\$28,000	
Barrier Wall	LF	-	\$ 110.00	\$0	
Beamguard	LF	1,506	\$ 30.00	\$45,000	
Curb and Gutter	LF	1,900	\$ 16.00	\$30,000	
Beamguard EAT	EACH	6	\$ 3,000.00	\$18,000	
Earthwork					
Common	CY	8,710	\$ 10.00	\$87,000	
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	1,515	\$ 45.00	\$68,000	
System Ramps	SY	-	\$ 45.00	\$0	
Service Ramps	SY	2,300	\$ 45.00	\$104,000	
Cross Road	SY	1,600	\$ 40.00	\$64,000	
Frontage Roads	SY	-	\$ 40.00	\$0	
Local Roads	SY	-	\$ 30.00	\$0	Assumed 5" depth
Mainline Shoulders	SY	1,515	\$ 30.00	\$45,000	Assumed 5" depth
Ramp Shoulders	SY	700	\$ 30.00	\$21,000	Assumed 5" depth
Cross Road Shoulders	SY	1,076	\$ 30.00	\$32,000	Assumed 5" depth
Base					
Mainline	SY	1,515	\$ 8.00	\$12,000	
System Ramps	SY	-	\$ 8.00	\$0	
Service Ramps	SY	2,300	\$ 8.00	\$18,000	
Cross Road	SY	1,600	\$ 8.00	\$13,000	
Frontage Roads	SY	-	\$ 8.00	\$0	
Local Roads	SY	-	\$ 8.00	\$0	
Mainline Shoulders	SY	1,515	\$ 8.00	\$12,000	
Ramp Shoulders	SY	700	\$ 8.00	\$6,000	
Cross Road Shoulders	SY	1,076	\$ 8.00	\$9,000	
Subbase					
Mainline	SY	1,515	\$ 12.00	\$18,000	
System Ramps	SY	-	\$ 12.00	\$0	
Service Ramps	SY	2,300	\$ 12.00	\$28,000	
Cross Road	SY	1,600	\$ 10.00	\$16,000	
Frontage Roads	SY	-	\$ 10.00	\$0	
Local Roads	SY	-	\$ 10.00	\$0	
Mainline Shoulders	SY	1,515	\$ 12.00	\$18,000	
Ramp Shoulders	SY	700	\$ 12.00	\$8,000	
Cross Road Shoulders	SY	1,076	\$ 12.00	\$13,000	
Major Roadway Subtotal (MRS)				\$713,000	
ALLOWANCE ITEMS					
DRAINAGE		% of MRS	2.0%	\$14,000	
EROSION CONTROL & RESTORATION		% of MRS	2.0%	\$14,000	
ROADWAY INCIDENTALS		% of MRS	10.0%	\$71,000	

SIGNING/MARKING	% of MRS	2.0%	\$14,000
TRAFFIC CONTROL & STAGING	% of MRS	10.0%	\$71,000
Allowance Subtotal			\$184,000

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		-	\$ -	\$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)	\$897,000
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PROJECT DELIVERY ALLOWANCE ITEMS			
PRELIMINARY ENGINEERING	% of Item CCE	7.2%	\$65,000
FINAL ENGINEERING	% of Item CCE	5.4%	\$48,000
CONSTRUCTION ENGINEERING	% of Item CCE	9.2%	\$83,000
Delivery Allowance Subtotal			\$196,000

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	\$1,093,000
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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	\$1,093,000
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