

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 & CTH E/Ballard Road Interchange		
Project Type	Urban ▼	Topography	Moderate ▼
Project Duration	Multi	Soil Type	Coarse-graine ▼
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	2,000	\$ 5.00	\$10,000	
Barrier Wall	LF	1,160	\$ 110.00	\$128,000	
Curb & Gutter	LF	2,700	\$ 16.00	\$43,000	
Beamguard	LF	360	\$ 25.00	\$9,000	
Beamguard EAT	EACH	2	\$ 3,000.00	\$6,000	
Sidewalk	SF	360	\$ 20.00	\$7,000	
Earthwork					
Common	CY	4,313	\$ 10.00	\$43,000	
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	8,200	\$ 45.00	\$369,000	
Cross Road	SY	-	\$ 40.00	\$0	
Frontage Roads	SY	-	\$ 40.00	\$0	
Local Roads	SY	-	\$ 30.00	\$0	Assumed 6" depth
Mainline Shoulders	SY	-	\$ 30.00	\$0	Assumed 6" depth
Ramp Shoulders	SY	4,300	\$ 30.00	\$129,000	Assumed 6" depth
Base					
Mainline	SY	-	\$ 8.00	\$0	Assumed 12" depth
System Ramps	SY	-	\$ 8.00	\$0	
Service Ramps	SY	8,200	\$ 8.00	\$66,000	
Cross Road	SY	-	\$ 8.00	\$0	
Frontage Roads	SY	-	\$ 8.00	\$0	
Local Roads	SY	-	\$ 8.00	\$0	
Mainline Shoulders	SY	-	\$ 8.00	\$0	
Ramp Shoulders	SY	4,300	\$ 8.00	\$34,000	
Subbase					
Mainline	SY	-	\$ 12.00	\$0	Assumed 12" depth
System Ramps	SY	-	\$ 12.00	\$0	
Service Ramps	SY	8,200	\$ 12.00	\$98,000	
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	4,300	\$ 12.00	\$52,000	
Major Roadway Subtotal (MRS)				\$994,000	
ALLOWANCE ITEMS					
DRAINAGE		% of MRS	2.0%	\$20,000	
EROSION CONTROL & RESTORATION		% of MRS	2.0%	\$20,000	
ROADWAY INCIDENTALS		% of MRS	10.0%	\$99,000	
TRAFFIC CONTROL & STAGING		% of MRS	5.0%	\$50,000	
Allowance Subtotal				\$189,000	

STRUCTURES					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					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)				\$1,183,000	
PROJECT DELIVERY ALLOWANCE ITEMS					
PRELIMINARY ENGINEERING		% of Item CCE	7.2%	\$85,000	
FINAL ENGINEERING		% of Item CCE	5.4%	\$64,000	
CONSTRUCTION ENGINEERING		% of Item CCE	9.2%	\$109,000	
Delivery Allowance Subtotal				\$258,000	
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				\$1,441,000	
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				\$1,441,000	