Wisconsin Department of Transportation

Today: 8/19/19 3:38 PM

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 N 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	1,300	$ 10.00	$13,000	
Barrier Wall	LF	350	$ 150.00	$53,000	
Curb & Gutter	LF	3	$ 25.00	$0	
Beamguard	LF	350	$ 30.00	$11,000	
Beamguard EAT	EACH	3	$ 3,000.00	$9,000	
Box Culvert	EACH	1	$ 100,000.00	$100,000	
Earthwork					
Common	CY	2,282	$ 12.00	$27,000	
Marsh	CY	-	$ -	$0	
Rock	CY	-	$ -	$0	
Borrow	CY	-	$ -	$0	
EBS	CY	-	$ -	$0	
Signalized Intersections	EACH	-	$ 250,000.00	$0	
Pavement					
Mainline	SY	-	$ 50.00	$0	
System Ramps	SY	-	$ 50.00	$0	
Service Ramps	SY	3,924	$ 50.00	$196,000	
Cross Road	SY	-	$ 45.00	$0	
Frontage Roads	SY	-	$ 45.00	$0	
Local Roads	SY	-	$ 30.00	$0	
Mainline Shoulders	SY	-	$ 30.00	$0	Assumed 5" depth
Ramp Shoulders	SY	2,500	$ 30.00	$75,000	Assumed 5" depth
Base					
Mainline	SY	-	$ 8.00	$0	
System Ramps	SY	-	$ 8.00	$0	
Service Ramps	SY	6,380	$ 8.00	$51,000	
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	-	$ 8.00	$0	
Subbase					
Mainline	SY	-	$ 12.00	$0	
System Ramps	SY	-	$ 12.00	$0	
Service Ramps	SY	6,380	$ 12.00	$77,000	
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	-	$ 12.00	$0	
Major Roadway Subtotal (MRS)				**$612,000**	

ALLOWANCE ITEMS			
DRAINAGE	% of MRS	2.0%	$12,000
EROSION CONTROL & RESTORATION	% of MRS	2.0%	$12,000
ROADWAY INCIDENTALS	% of MRS	10.0%	$61,000
TRAFFIC CONTROL & STAGING	% of MRS	10.0%	$61,000
Allowance Subtotal			**$146,000**

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)	$758,000

PROJECT DELIVERY ALLOWANCE ITEMS			
PRELIMINARY ENGINEERING	% of Item CCE	7.2%	$55,000
FINAL ENGINEERING	% of Item CCE	5.4%	$41,000
CONSTRUCTION ENGINEERING	% of Item CCE	9.2%	$70,000
Delivery Allowance Subtotal			**$166,000**

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	$924,000

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	$924,000