Wisconsin Department of Transportation Today: 8/20/19 9:38 AM Project I.D. 1130-31-00 **Conceptual Cost Estimate** Highway US 41 **SUMMARY Project Title** US 41 Expansion (Winnebago, Outagamie, and Brown Co) Version 2.0 **Project Limits** USH 41 & WIS 15/Northland Ave Interchange **Project Type Topography Project Duration** Soil Type Multi Start **Current Year** 2019 Construction 2048 **Start Preliminary End Construction** 2043 2052 Design **Project Scope** Alternative #: Planning Study ITEM DESCRIPTION QUANTITY UNIT PRICE UNIT Total **NOTES** MAJOR ROADWAY ITEMS Removing Pavement SY 131,000 5.00 \$655,000 Barrier Wall LF 110.00 Curb & Gutter LF 62,000 16.00 \$992,000 Earthwork CY 10.00 \$1.661.000 Common 166,100 Marsh Insert 10.00 \$0 Rock Insert 10.00 \$0 Borrow 10.00 \$0 Insert \$0 EBS 10.00 Insert Signalized Intersections EACH 5 \$ 250,000.00 \$1,250,000 Includes Bluemound/Glenpark Pavement Mainline SY 45.00 \$0 System Ramps SY \$0 45.00 Service Ramps 18,000 45.00 \$810,000 SY SY 95,200 40.00 \$3,808,000 Cross Road Frontage Roads SY 4,100 40.00 \$164,000 Local Roads SY 50,300 30.00 \$1,509,000 Assumed 5" depth Mainline Shoulders SY 30.00 \$0 Ramp Shoulders 7,500 30.00 \$225,000 Assumed 5" depth SY Mainline SY \$ 8.00 \$0 System Ramps SY 8.00 \$0 Service Ramps SY 18,000 8.00 \$144,000 \$762,000 Cross Road SY 95,200 8.00 SY \$33,000 Frontage Roads 4 100 8.00 \$402,000 Local Roads SY 50,300 8.00 Mainline Shoulders SY 8.00 \$0 7,500 \$60,000 Ramp Shoulders SY 8.00 Subbase Mainline SY 12.00 \$0 System Ramps SY 12.00 Service Ramps SY 18,000 12.00 \$216,000 Cross Road SY \$952,000 95.200 10.00 Frontage Roads SY 4,100 10.00 \$41,000 Local Roads SY 50,300 10.00 \$503,000 Mainline Shoulders SY 12.00 \$0 Ramp Shoulders SY 7,500 12.00 \$90,000 Major Roadway Subtotal (MRS) \$14,277,000 **ALLOWANCE ITEMS Certainty Factor** DRAINAGE % of MRS 11.41% \$1.630.000 EROSION CONTROL & RESTORATION 9.25% % of MRS \$1,321,000 LIGHTING % of MRS 1.41% \$202,000 ROADWAY INCIDENTALS % of MRS 28.85% \$4,119,000 SIGNING/MARKING % of MRS 3.03% \$432,000

% of MRS

% of MRS

4.81%

1.00%

\$687,000

\$143,000

\$8,534,000

TRAFFIC CONTROL & STAGING

Allowance Subtotal

ITS/ FTMS

STRUCTURES (see STRUCTURE tab)	UNIT	OUANTITY	LINIT BRICE	Total	NOTES
Bridge Removal	EACH	QUANTITY 2	UNIT PRICE \$ 65,000.00	\$130,000	NOTES
New Bridge (Single Level Interchange)	SF		\$ 120.00	\$4,044,000	
Bridge Redecking	SF	33,700	\$ 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	185	\$ 2,300.00	\$426,000	
Sign Bridge - Cantilever	EACH	-	\$ 30,000.00	\$0	
Sign Bridge - Single Span	EACH		\$ 60,000.00	\$0	
Structure Incidentals	E torr	% of Structures	10%	\$460,000	
		,, ,, ,,	2077	7 100,000	
Structure SubTotal				\$5,060,000	
PECIAL 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 \$0	
Other	Insert	1	\$ 5,000,000.00	\$5,000,000	Traffic mitigation at Casaloma
Other	Insert	1	\$ 5,000,000.00	\$5,000,000	Tamo magadon at Casalonia
Other	Insert	-	\$ -	\$0 \$0	
Other	Insert	-	\$ -	\$0 \$0	
	moort		-	Ψ0	
Special Construction Elements Subtotal				\$5,000,000	
Construction Costs Estimate (CCE)				\$32,871,000	
CONTEXT SENSITIVE SOLUTIONS (CSS)					
SS		% of Itom CCE	50/	\$1,644,000	
		% of Item CCE	5%	\$1,644,000	
Base Construction Costs Estimate (BCCE)				\$34,515,000	
SCOPE CHANGE ALLOWANCE ITEMS					
PROJECT SCOPE INCREASE ALLOWANCE		% of Item BCCE	24%	\$8,284,000	
Estimated Const. Let Amount (ECLA)				\$42,799,000	
PRELIMINARY ENGINEERING		% of Item BCCE	7.2%	\$3,082,000	
RELIMINARY ENGINEERING INAL ENGINEERING		% of Item BCCE	5.4%	\$2,311,000	
PRELIMINARY ENGINEERING TINAL ENGINEERING					
RELIMINARY ENGINEERING INAL ENGINEERING CONSTRUCTION ENGINEERING		% of Item BCCE	5.4%	\$2,311,000	
RELIMINARY ENGINEERING INAL ENGINEERING ONSTRUCTION ENGINEERING ONST CHANGE ORDERS & CLAIMS		% of Item BCCE % of Item BCCE	5.4% 9.2%	\$2,311,000 \$3,938,000	
RELIMINARY ENGINEERING INAL ENGINEERING ONSTRUCTION ENGINEERING ONST CHANGE ORDERS & CLAIMS RAFFIC MITIGATION		% of Item BCCE % of Item BCCE % of Item BCCE	5.4% 9.2% 10.4%	\$2,311,000 \$3,938,000 \$4,451,000	
RELIMINARY ENGINEERING INAL ENGINEERING ONSTRUCTION ENGINEERING ONST CHANGE ORDERS & CLAIMS RAFFIC MITIGATION		% of Item BCCE % of Item BCCE % of Item BCCE % of Item BCCE	5.4% 9.2% 10.4% 1.5%	\$2,311,000 \$3,938,000 \$4,451,000 \$642,000	
RELIMINARY ENGINEERING INAL ENGINEERING ONSTRUCTION ENGINEERING ONST CHANGE ORDERS & CLAIMS RAFFIC MITIGATION UBLIC INVOLVEMENT Delivery Allowance Subtotal		% of Item BCCE % of Item BCCE % of Item BCCE % of Item BCCE	5.4% 9.2% 10.4% 1.5%	\$2,311,000 \$3,938,000 \$4,451,000 \$642,000 \$428,000	NOTES
EXTERNAL COSTS		% of Item BCCE	5.4% 9.2% 10.4% 1.5% 1.0%	\$2,311,000 \$3,938,000 \$4,451,000 \$642,000 \$428,000 \$14,852,000	NOTES
RELIMINARY ENGINEERING INAL ENGINEERING ONSTRUCTION ENGINEERING ONST CHANGE ORDERS & CLAIMS RAFFIC MITIGATION UBLIC INVOLVEMENT Delivery Allowance Subtotal EXTERNAL COSTS EAL ESTATE		% of Item BCCE 8% of Item BCCE	5.4% 9.2% 10.4% 1.5% 1.0%	\$2,311,000 \$3,938,000 \$4,451,000 \$642,000 \$428,000 \$14,852,000	NOTES
RELIMINARY ENGINEERING INAL ENGINEERING CONSTRUCTION ENGINEERING CONST CHANGE ORDERS & CLAIMS RAFFIC MITIGATION UBLIC INVOLVEMENT Delivery Allowance Subtotal EXTERNAL COSTS EEAL ESTATE COMPENSABLE UTILITIES		% of Item BCCE 8% of Item BCCE	5.4% 9.2% 10.4% 1.5% 1.0% \$ 2,761,000.00 \$ 1,035,000.00	\$2,311,000 \$3,938,000 \$4,451,000 \$642,000 \$428,000 \$14,852,000 \$2,761,000 \$1,035,000	NOTES
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