

# RVMPO/MRMPO SCOPING ESTIMATE

(updated June 2016)

PROJECT NAME		North Couplet Pedestrian Crossing Project			COUNTY		Jackson	
KIND OF WORK				LENGTH	DATE	ESTIMATE PREPARER		
Pedestrian crossing improvements					6/1/18	Matt Brinkley		
BID ITEM #	ITEM TITLE			UNIT	QTY	UNIT COST	EXTENDED COST	
<b>TEMPORARY FEATURES AND APPURTENANCES</b>								
0210-0100000A	MOBILIZATION			LS	x	10.00%	\$9,282	
0225-0100000A	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC			LS	x	8.00%	\$7,426	
0280-0100000A	EROSION CONTROL			LS	x	2.00%	\$1,856	
<b>ROADWORK</b>								
0305-0100000A	CONSTRUCTION SURVEY WORK			LS	x	1.00%	\$893	
0310-0100000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS			LS	x	3.00%	\$2,678	
0310-0101000F	REMOVAL OF CURBS			FOOT	400	\$ 3.00	\$1,200	
0310-0113000A	REMOVAL OF GUARDRAIL			FOOT	0	\$ 3.00	\$0	
0310-0100000F	REMOVAL OF PIPES			FOOT	0	\$ 16.00	\$0	
0310-0103000J	REMOVAL OF SURFACINGS			SQYD	0	\$ 5.00	\$0	
0310-0102000J	REMOVAL OF WALKS AND DRIVEWAYS			SQYD	207	\$ 8.00	\$1,656	
0320-0100000R	CLEARING AND GRUBBING			ACRE	0	\$ 4,500.00	\$0	
0330-0105000K	GENERAL EXCAVATION			CUYD	50	\$ 12.00	\$600	
0330-0123000K	EMBANKMENT IN PLACE			CUYD	0	\$ 15.00	\$0	
0331-0106000J	12 INCH SUBGRADE STABILIZATION			SQYD	20	\$ 13.00	\$260	
0331-0112000J	24 INCH SUBGRADE STABILIZATION			SQYD	0	\$ 20.00	\$0	
0340-0100000Q	WATERING			MGAL	0	\$ 25.00	\$0	
0350-0105000J	SUBGRADE GEOTEXTILE			SQYD	100	\$ 1.00	\$100	
0390-0105000K	LOOSE RIPRAP, CLASS 50			CUYD	0	\$ 56.00	\$0	
0390-0108000K	LOOSE RIPRAP, CLASS 100			CUYD	0	\$ 60.00	\$0	
<b>DRAINAGE AND SEWERS</b>								
0445-010018AF	18 INCH CULVERT PIPE, 5 FT DEPTH			FOOT	0	\$ 68.00	\$0	
0445-010024AF	24 INCH CULV PIPE, 5 FT DEPTH			FOOT	0	\$ 75.00	\$0	
0445-010036AF	36 INCH CULV PIPE, 5 FT DEPTH			FOOT	0	\$ 101.00	\$0	
0445-010048AF	48 INCH CULV PIPE, 5 FT DEPTH			FOOT	0	\$ 142.00	\$0	
0445-035012AF	12 INCH STORM SEWER PIPE, 5 FT DEPTH			FOOT	0	\$ 49.00	\$0	
0445-035015AF	15 INCH STORM SEW PIPE, 5 FT			FOOT	0	\$ 56.00	\$0	
0445-035018AF	18 INCH STORM SEWER PIPE, 5 FT DEPTH			FOOT	0	\$ 65.00	\$0	
0445-035024BF	24 INCH STORM SEWER PIPE, 10 FT DEPTH			FOOT	0	\$ 95.00	\$0	
0445-035036BF	36 INCH STORM SEWER PIPE, 10 FT DEPTH			FOOT	0	\$ 119.00	\$0	
0445-035048BF	48 INCH STORM SEWER PIPE, 10 FT DEPTH			FOOT	0	\$ 220.00	\$0	
0470-0101000E	CONCRETE STORM SEWER MANHOLES			EACH	0	\$ 3,550.00	\$0	
0470-0307000E	CONCRETE INLETS, TYPE CG-2			EACH	1	\$ 1,500.00	\$1,500	
0480-0100000F	DRAINAGE CURBS			FOOT	20	\$ 10.00	\$200	
0490-0100000E	ADJUSTING BOXES			EACH	0	\$ 290.00	\$0	
0490-0105000E	ADJUSTING INLETS			EACH	3	\$ 715.00	\$2,145	
0490-0121000E	MAJOR ADJUSTMENT OF MANHOLES			EACH	0	\$ 1,500.00	\$0	
<b>BRIDGES/STRUCTURES</b>								
	BRIDGES			LS	0		\$0	
	TEMP BRIDGE			LS	0		\$0	
	BRIDGE REMOVAL			LS	0		\$0	
	RETAINING WALL			LIN FT	0	\$492.00	\$0	
<b>BASES</b>								
0620-0104000J	COLD PLANE PAVEMENT REMOVAL, 0 - 2 INCH DEEP			SQYD	0	\$ 3.00	\$0	
0620-0120000J	COLD PLANE PAVEMENT REMOVAL, 2 INCH DEEP			SQYD	150	\$ 1.00	\$150	
0640-0100000M	AGGREGATE BASE			TON	200	\$ 27.00	\$5,400	
0640-0101000M	AGGREGATE SHOULDERS			TON	0	\$ 20.00	\$0	
<b>WEARING SURFACES</b>								
0730-0100000M	ASPHALT IN TACK COAT			TON	0	\$ 425.00	\$0	
0744-0202000M	LEVEL 2, 1/2 INCH DENSE MHMAC			TON	0	\$ 90.00	\$0	
0744-0302000M	LEVEL 3, 1/2 INCH DENSE MHMAC			TON	120	\$ 90.00	\$10,800	
0746-0100000F	CRACK SEALING			FOOT	0	\$ 5.00	\$0	
0749-0100000E	EXTRA FOR ASPHALT APPROACHES			EACH	0	\$ 575.00	\$0	
0755-0100000J	REINFORCED CONCRETE PAVEMENT			SQYD	0	\$ 125.00	\$0	

# RVMPO/MRMPO SCOPING ESTIMATE

(updated June 2016)

PROJECT NAME				COUNTY	
North Couplet Pedestrian Crossing Project				Jackson	
KIND OF WORK			LENGTH	DATE	ESTIMATE PREPARER
Pedestrian crossing improvements				6/1/18	Matt Brinkley
BID ITEM #	ITEM TITLE	UNIT	QTY	UNIT COST	EXTENDED COST
0759-0127000J	REINFORCED CONCRETE DRIVEWAYS	SQFT	600	\$ 9.00	\$5,400
0759-0100000F	CONCRETE CURBS	FOOT	0	\$ 17.00	\$0
0759-0103000F	CURB AND GUTTER CONCRETE CURBS	FOOT	400	\$ 19.00	\$7,600
0759-0128000J	CONCRETE WALKS	SQFT	2400	\$ 5.00	\$12,000
0759-0126000J	CONCRETE DRIVEWAYS	SQFT	1	\$ 7.00	\$7
<b>PERMANENT TRAFFIC CONTROL AND GUIDANCE DEVICES</b>					
0810-0104000F	GUARDRAIL, TYPE 2A	FOOT	0	\$ 19.00	\$0
0810-0107000F	GUARDRAIL, TYPE 3	FOOT	0	\$ 50.00	\$0
0810-0109000F	GUARDRAIL, TYPE 4	FOOT	0	\$ 50.00	\$0
0810-0119000E	GUARDRAIL ANCHORS, TYPE 1	EACH	0	\$ 780.00	\$0
0810-0122000E	GUARDRAIL END PIECES, TYPE B	EACH	0	\$ 700.00	\$0
0810-0126000E	GUARDRAIL TRANSITION	EACH	0	\$ 2,300.00	\$0
0810-0129000E	GUARDRAIL TERMINALS, NON-FLARED	EACH	0	\$ 2,150.00	\$0
0810-0130000E	GUARDRAIL TERMINALS, FLARED	EACH	0	\$ 2,100.00	\$0
0812-0101000F	ADJUSTING GUARDRAIL	FOOT	0	\$ 3.50	\$0
0820-0100000F	CONCRETE BARRIER	FOOT	0	\$ 61.00	\$0
0820-0127000F	CONCRETE BARRIER, TALL	FOOT	0	\$ 85.00	\$0
0840-0102000E	DELINEATORS, TYPE 2	EACH	0	\$ 38.00	\$0
0840-0106000E	MILEPOST MARKER POSTS	EACH	0	\$ 100.00	\$0
0867-0103000E	PAVEMENT LEGEND, TYPE B: ARROWS	EACH	0	\$ 270.00	\$0
0867-0111000E	PAVEMENT LEGEND, TYPE B: "SCHOOL"	EACH	0	\$ 495.00	\$0
0867-0119000E	PAVEMENT LEGEND, TYPE B: RAILROAD CROSSING MARKINGS	EACH	0	\$ 975.00	\$0
0867-0131000E	PAVEMENT LEGEND, TYPE B-HS: BICYCLE LANE SYMBOLS	EACH	2	\$ 280.00	\$560
0867-0145000J	PAVEMENT BAR, TYPE B	SQFT	0	\$ 8.50	\$0
0867-0173000E	PAVEMENT LEGEND, TYPE B: DISABLED PARKING	EACH	0	\$ 287.00	\$0
0855-0102000E	BI-DIRECTIONAL YELLOW TYPE I MARKERS	EACH	0	\$ 4.75	\$0
0855-0103000E	BI-DIRECTIONAL YELLOW TYPE I MARKERS, RECESSED	EACH	0	\$ 6.00	\$0
0860-0200000F	LONGITUDINAL PAVEMENT MARKINGS - PAINT	FOOT	500	\$ 0.15	\$75
0865-0116600F	THERMOPLASTIC, EXTRUDED, SURFACE, PROFILED	FOOT	200	\$ 1.00	\$200
0857-0101000L	CONTINUOUS RUMBLE STRIPS	MILE	0	\$ 900.00	\$0
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
	PERMANENT SIGNS	LS	1	120000.00%	\$1,200
	INTERPRETIVE PANELS AND DÉCORATIVE HARDSCAPE FEATURES	LS			\$0
0990-0103000A	DETECTOR INSTALLATION, _____	EACH	0	\$ 2,600.00	\$0
0990-0101000A	TRAFFIC SIGNAL INSTALLATION, _____	EACH	0	\$ 178,000.00	\$0
0990-0105000A	INTERCONNECT SYSTEM	LS	0	\$ 30,000.00	\$0
	Flashing Beacon Installation	EACH	1	\$ 35,000.00	\$35,000
	STREET LIGHTS MULTIPLE - INCLUDING CONECTIONS, WIRING, CONDUIT	EACH	0		\$0
	ILLUMINATION				\$0
<b>RIGHT-OF-WAY DEVELOPMENT AND CONTROL</b>					
1030-0109000R	PERMANENT SEEDING, MIX NO. 1	ACRE	0	\$ 2,400.00	\$0
1050-0135000F	_____ CHAIN LINK FENCE	LIN FT	0	\$ 18.00	\$0
1070-0100000E	SINGLE MAILBOX SUPPORTS	EACH	0	\$ 150.00	\$0
1070-0101000E	MULTIPLE MAILBOX SUPPORTS	EACH	0	\$ 350.00	\$0
	ENVIRONMENTAL MITIGATION SITES	LS			\$0
	LANDSCAPING	LS			\$0
<b>UNUSUAL ELEMENTS</b>					
1095-0104000E	LITTER RECEPTACLES	EACH	2	\$1,600.00	\$3,200
1095-0100000E	BENCHES, TYPE _____	EACH	0	\$1,700.00	\$0
1040-0200000E	TREE GRATES	EACH	0	\$1,300.00	\$0
1095-0101000E	BIKE RACKS	EACH	0	\$600.00	\$0
0759-0161000F	METAL HANDRAIL, 2 RAILS	LIN FT	0	\$72.00	\$0
					\$0
<b>CONSTRUCTION SUBTOTAL</b>					<b>\$111,388</b>

# RVMPO/MRMPO SCOPING ESTIMATE

(updated June 2016)

<b>PROJECT NAME</b> North Couplet Pedestrian Crossing Project				<b>COUNTY</b> Jackson	
<b>KIND OF WORK</b> Pedestrian crossing improvements			<b>LENGTH</b>	<b>DATE</b> 6/1/18	<b>ESTIMATE PREPARER</b> Matt Brinkley
<b>BID ITEM #</b>	<b>ITEM TITLE</b>	<b>UNIT</b>	<b>QTY</b>	<b>UNIT COST</b>	<b>EXTENDED COST</b>

<b>PROJECT PHASES/SUMMARY OF COSTS</b>					
<b>ROW</b>					
	LAND, IMPROVEMENTS, DAMAGES	LS	0		
	ROW PROCESS (APPR, REV APPR, ACQ, ODOT REV, etc.)	File	0	\$ 10,000.00	\$ -
	<b>ROW SUBTOTAL</b>				<b>\$ -</b>
<b>UTILITY RELOCATION</b>					
	<b>UTILITY RELOCATION SUBTOTAL</b>				<b>\$ -</b>
<b>PRELIMINARY ENGINEERING</b>					
	PE - ODOT OVERSIGHT	LS	1	\$ 20,000.00	\$ 20,000.00
	*PE - ENVIRONMENTAL	LS	1	\$ -	\$ -
	PE - SURVEYING	LS	1	\$ 2,000.00	\$ 2,000.00
	PE - GEO-TECH	LS	1	\$ -	\$ -
	**PE - DESIGN & PROJECT MANAGEMENT	LS	%	of CON cost	#VALUE!
	<b>PRELIMINARY ENGINEERING SUBTOTAL</b>				<b>#VALUE!</b>
<b>CONSTRUCTION</b>					
	TOTAL BID ITEM COST (from estimate above)				\$111,388
	CE- ODOT OVERSIGHT	LS	1	\$ 20,000.00	\$ 20,000.00
	***CONSTRUCTION ENGINEERING ADMIN & INSPECTION	LS	%	of CON cost	#VALUE!
	CONSTRUCTION CONTINGENCY	LS	30%	of CON cost	\$ 33,416.32
	<b>CONSTRUCTION SUBTOTAL</b>				<b>#VALUE!</b>
<b>TOTAL PROJECT COST</b>					<b>#VALUE!</b>

- \* Environmental costs should account for the typical clearances needed for each environmental area (historic-archaeological & built, hazmat, biology, wetland, noise, etc.), any necessary permits and land use requirements. Contact ODOT LAL for assistance, if needed.
- \*\* Typical percentages for federally funded LPA projects range from 15% to 25%. Projects with lower construction costs (under \$1M) typically have higher design percentages.
- \*\*\* Typical percentages for federally funded LPA projects range from 17% to 25%. Projects with lower construction costs (under \$1M) typically have higher CE percentages.