RVMPO/MRMPO SCOPING ESTIMATE (updated March 2022) PROJECT NAME COUNTY KIND OF WORK LENGTH DATE ESTIMATE PREPARER Section # ITEM TITLE UNIT QTY UNIT **EXTENDED** COST COST TEMPORARY FEATURES AND APPURTENANCES 210 \$0 MOBILIZATION 10.00% LS X 221 TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC LS \$0 10.00% X \$0 280 IEROSION CONTROL LS 2.00% Х ROADWORK 305 CONSTRUCTION SURVEY WORK LS 2.00% \$0 Х \$0 310 REMOVAL OF STRUCTURES AND OBSTRUCTIONS LS Х 3.00% \$ 5.00 \$0 310 REMOVAL OF CURBS FOOT 310 \$ 5.00 \$0 REMOVAL OF GUARDRAIL FOOT \$ 30.00 REMOVAL OF PIPES \$0 310 FOOT 25.00 310 REMOVAL OF SURFACINGS SQYD \$0 310 REMOVAL OF WALKS AND DRIVEWAYS \$ 30.00 \$0 SQYD 320 CLEARING AND GRUBBING \$ 4.500.00 \$0 ACRE 330 30.00 \$0 GENERAL EXCAVATION CUYD \$ 330 EMBANKMENT IN PLACE 30.00 \$0 CUYD S 331 20.00 12 INCH SUBGRADE STABILIZATION \$0 SQYD 331 24 INCH SUBGRADE STABILIZATION S 40.00 \$0 SQYD 340 WATERING \$ MGAL 25.00 \$0 350 \$ SUBGRADE GEOTEXTILE SQYD 1.00 \$0 \$ 75.00 \$0 390 LOOSE RIPRAP, CLASS 50 CUYD \$ 390 LOOSE RIPRAP, CLASS 100 100.00 \$0 CUYD DRAINAGE AND SEWERS 70.00 445 18 INCH CULVERT PIPE, 5 FT DEPTH FOOT \$ \$0 \$ 100.00 445 24 INCH CULV PIPE, 5 FT DEPTH \$0 FOOT \$ 150.00 \$0 445 36 INCH CULV PIPE, 5 FT DEPTH FOOT 250.00 \$0 445 48 INCH CULV PIPE, 5 FT DEPTH FOOT \$ 60.00 \$0 445 12 INCH STORM SEWER PIPE, 5 FT DEPTH FOOT \$ 445 15 INCH STORM SEW PIPE, 5 FT FOOT 75.00 \$0 \$0 90.00 445 18 INCH STORM SEWER PIPE, 5 FT DEPTH FOOT \$ 24 INCH STORM SEWER PIPE, 10 FT DEPTH 125.00 \$0 445 FOOT \$ 175.00 \$0 445 36 INCH STORM SEWER PIPE, 10 FT DEPTH FOOT

RVMPO/MRMPO SCOPING ESTIMATE (updated March 2022) **PROJECT NAME** COUNTY KIND OF WORK LENGTH DATE ESTIMATE PREPARER Section # ITEM TITLE UNIT QTY UNIT **EXTENDED** COST COST 275.00 445 48 INCH STORM SEWER PIPE, 10 FT DEPTH FOOT \$ \$0 470 CONCRETE STORM SEWER MANHOLES \$ 5,000.00 \$0 **EACH** 2,400.00 \$0 470 CONCRETE INLETS, TYPE CG-2 **EACH** \$0 480 DRAINAGE CURBS \$ FOOT 10.00 \$ 500.00 490 \$0 ADJUSTING BOXES **EACH** \$0 1,000.00 490 ADJUSTING INLETS **EACH** 490 MAJOR ADJUSTMENT OF MANHOLES **EACH** 2,500.00 \$0 **BRIDGES/STRUCTURES** BRIDGES LS \$0 TEMP BRIDGE LS \$0 BRIDGE REMOVAL LS \$0 RETAINING WALL \$0 LIN FT \$492.00 BASES \$0 \$ 5.00 620 COLD PLANE PAVEMENT REMOVAL, 0 - 2 INCH DEEP SQYD 620 \$ \$0 COLD PLANE PAVEMENT REMOVAL, 2 INCH DEEP 2.00 SQYD \$0 640 AGGREGATE BASE TON \$ 35.00 \$0 640 AGGREGATE SHOULDERS \$ 20.00 TON WEARING SURFACES 600.00 \$0 730 ASPHALT IN TACK COAT \$ TON \$ \$0 744 100.00 LEVEL 2, 1/2 INCH DENSE MHMAC TON \$ 100.00 \$0 744 LEVEL 3, 1/2 INCH DENSE MHMAC TON \$0 \$ 5.00 CRACK SEALING 746 FOOT \$0 749 EXTRA FOR ASPHALT APPROACHES **EACH** \$ 575.00 \$ \$0 755 REINFORCED CONCRETE PAVEMENT SQYD 125.00 \$0 \$ 15.00 759 REINFORCED CONCRETE DRIVEWAYS SQFT \$ 25.00 \$0 759 CONCRETE CURBS FOOT \$ 40.00 \$0 759 CURB AND GUTTER CONCRETE CURBS FOOT \$ 15.00 \$0 CONCRETE WALKS 759 SQFT S 15.00 \$0 759 SQFT CONCRETE DRIVEWAYS

RVMPO/MRMPO SCOPING ESTIMATE (updated March 2022) COUNTY PROJECT NAME KIND OF WORK LENGTH DATE ESTIMATE PREPARER QTY UNIT **EXTENDED** ITEM TITLE UNIT Section # COST COST PERMANENT TRAFFIC CONTROL AND GUIDANCE DEVICES 35.00 \$ \$0 FOOT **GUARDRAIL, TYPE 2A** 810 60.00 \$0 FOOT 810 GUARDRAIL, TYPE 3 \$ 85.00 \$0 FOOT GUARDRAIL, TYPE 4 810 \$0 \$ 780.00 GUARDRAIL ANCHORS, TYPE 1 FACH 810 \$ 100.00 \$0 EACH GUARDRAIL END PIECES. TYPE B 810 \$0 3,000.00 \$ **EACH** 810 GUARDRAIL TRANSITION \$0 3,500.00 EACH 810 GUARDRAIL TERMINALS, NON-FLARED \$0 3.500.00 EACH 810 GUARDRAIL TERMINALS, FLARED \$0 FOOT \$ 3.50 ADJUSTING GUARDRAIL 812 \$0 \$ 61.00 FOOT 820 CONCRETE BARRIER \$0 \$ 85.00 FOOT 820 CONCRETE BARRIER, TALL \$0 \$ 38.00 EACH 840 DELINEATORS, TYPE 2 \$0 \$ 100.00 EACH 840 MILEPOST MARKER POSTS \$0 \$ 270.00 EACH 867 PAVEMENT LEGEND, TYPE B: ARROWS \$0 \$ 495.00 PAVEMENT LEGEND. TYPE B: "SCHOOL" EACH 867 \$0 \$ 975.00 **IEACH** PAVEMENT LEGEND, TYPE B: RAILROAD CROSSING MARKINGS 867 \$ \$0 EACH 280.00 PAVEMENT LEGEND, TYPE B-HS: BICYCLE LANE SYMBOLS 867 \$0 \$ 8.50 SQFT PAVEMENT BAR, TYPE B 867 \$0 \$ 287.00 EACH PAVEMENT LEGEND. TYPE B: DISABLED PARKING 867 \$0 \$ 4.75 **EACH** BI-DIRECTIONAL YELLOW TYPE I MARKERS 855 \$0 **EACH** \$ 6.00 BI-DIRECTIONAL YELLOW TYPE I MARKERS, RECESSED 855 \$0 \$ 0.15 **FOOT** LONGITUDINAL PAVEMENT MARKINGS - PAINT 860 \$0 \$ 1.00 865 THERMOPLASTIC, EXTRUDED, SURFACE, PROFILED FOOT \$0 1.500.00 MILE 857 CONTINUOUS RUMBLE STRIPS PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS \$0 LS PERMANENT SIGNS 940 \$0 INTERPRETIVE PANELS AND DÉCORATIVE HARDSCAPE FEATURES LS \$0 EACH 2,600.00 990 DETECTOR INSTALLATION, \$0 \$ 178,000.00 EACH 990 TRAFFIC SIGNAL INSTALLATION. \$0 LS \$ 30,000.00 INTERCONNECT SYSTEM 990

	RVMPO/MRMPO SCOPIN	IG ES	TIMA	ATE	
	(updated March 2022)				
PROJECT NAME				COUNTY	
		li enoru l	DATE	FOTIMATE DDEDAD	-n
KIND OF WORK		LENGTH	DATE	ESTIMATE PREPARE	=R
Section #	ITEM TITLE	UNIT	QTY	UNIT	EXTENDED COST
990	STREET LIGHTS SINGLE - INCLUDING CONECTIONS, WIRING, CONDUIT	EACH			\$0
	STREET LIGHTS MULTIPLE - INCLUDING CONECTIONS, WIRING, CONDUIT	EACH			\$0
	ILLUMINATION				\$0
RIGHT-OF-WA	Y DEVELOPMENT AND CONTROL				
1030	PERMANENT SEEDING, MIX NO. 1	ACRE		\$ 4,500.00	\$0
1050	CHAIN LINK FENCE	LIN FT		\$ 18.00	\$0
1070	SINGLE MAILBOX SUPPORTS	EACH		\$ 150.00	\$0
1070	MULTIPLE MAILBOX SUPPORTS	EACH		\$ 350.00	\$0
	ENVIRONMENTAL MITIGATION SITES	LS			\$0
	LANDSCAPING	LS			\$0
UNUSUAL ELE	MENTS				
1095	LITTER RECEPTACLES	EACH		\$1,600.00	\$0
1095	BENCHES, TYPE	EACH		\$1,700.00	\$0
1040	TREE GRATES	EACH		\$1,300.00	\$0
1095	BIKE RACKS	EACH		\$600.00	\$0
759	METAL HANDRAIL, 2 RAILS	LIN FT		\$72.00	\$0
					\$0
CONSTRUCTION	ON SUBTOTAL				\$0

	RVMPO/MRMPO SCOPING	G ES	IIMA	<u> IE</u>		
	(updated March 2022)				14	
PROJECT NAME				COUNTY		
KIND OF WORK		LENGTH	DATE	ESTIMATE PREPA	RER	
Section #	ITEM TITLE	UNIT	QTY	UNIT		EXTENDED
				COST		COST
	PROJECT PHASES/SUMMARY C	F COST	<u>s</u>			
ROW						
	LAND, IMPROVEMENTS, DAMAGES	LS				
	ROW PROCESS (APPR, REV APPR, ACQ, ODOT REV, etc.)	File		\$ 15,000.00	\$	¥
	ROW SUBTOTAL				\$	_
UTILITY RELO	CATION					
	INSERT APPROPRIATE LINE ITEMS/COSTS FOR ANY REIMBUR	SABLE L	JTILITIES			
	UTILITY RELOCATION SUBTOTAL				\$	
PRELIMINARY	ENGINEERING					
	PE - ODOT OVERSIGHT	LS	1	\$ 50,000.00	\$	50,000.00
	*PE - ENVIRONMENTAL	LS	1		\$	ē
	PE - SURVEYING	LS	1		\$	×
	PE - GEO-TECH	LS	1		\$	
	**PE - DESIGN & PROJECT MANAGEMENT	LS	%	of CON cost		#VALUE!
	PRELIMINARY ENGINEERING SUBTOTAL					#VALUE!
CONSTRUCTIO	DN					
	TOTAL BID ITEM COST (from estimate above)					\$
	CE- ODOT OVERSIGHT	LS	1	\$ 25,000.00	\$	25,000.00
	***CONSTRUCTION ENGINEERING ADMIN & INSPECTION	LS	%	of CON cost		#VALUE!
	CONSTRUCTION CONTINGENCY	LS	30%	of CON cost	\$	(表)
TOTAL PROJE	CONSTRUCTION SUBTOTAL			1	#VAL	#VALUE!

^{*} 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 20% to 30%. 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.

RIGHT OF WAY SCOPING WORKSHEET

Project Name					Project Number		
		Begin	End	Begin	End		
Street / Road / Route		0.00	0	.00 0.0	0.00		
		0.00	C	.00 0.0	0.00		
		0.00	0	.00 0.0	0.00		
		0.00	C	.00 0.0	0.00		
Type of Project		County		City		MPO	
Work Type							
Rural/Urban/Mixed							
Terrain							
					R/W	Cost Estin	nate
Contact for Project:					R/N	W Subtotal	\$ -
Prepared By:			Da	te: Acce	ss Mgmt Subtotal (from	AM Sheet)	\$ -
		1				N Estimate	
					Be-		
	Yes	No	N/A	Comment	/Clarification		
RIGHT OF WAY REQUIRED		П					
Fee Parcels	H		Ħ				
Permanent Easement(s)	H	H	H				
Temporary Easement(s)	H		H				0).
Rights of Entry	H	H	H				
Archy, Geo, Enviro	H		H				
Other		H	Ħ				
Access Remedies	H	Ħ					
Roadway	H		H				
Slopes	H	H	H				
Drainage		H	Ä				
Utilities	H	Ħ	H				
Sign(s)	H	Ä	Ħ				
Signals	Ħ	Ä	Ħ				
Aerial	Ħ	Ä	Ħ				
Sidewalk		П					
				U.			
Temporary Easements	Yes	No	N/A	Commen	t/Clarification		
Construction							
Demolition	님	H	H				
BLM	H	H	H				
	=	님	=				
Forest Service	1	1 1					

DSL Lands					
Airport					
Section 4F/6F Properties		Ħ			
Parks					
Schools					
Wildlife Refuges					
Historic Buildings					
Recreational Areas					
Other					
Right of Way Acquisition Impa					
	Yes	No	N/A	Comment/Clarification	
Gas Stations					
Repair Shops					
Industrial Sites					
Landfills					
Fuel Tanks					
Privately Owned Wells					
Water Rights					
Irrigation Ditches					
Septic Systems					
On-Premise Signs					
Outdoor Advertising Signs					
Cell Tower Sites					
Public Utilities					
Special Relocate Consideration	ns 🗌				
Miscellaneous Features with			_ '		
Are there Land Services consi					
n	Yes	No	N/A	Comment/Clarification	
Exisitng Frontage Roads					
Proposed Frontage Roads					
Access Roads					
Cattle or Equipment Passes					
Major Irrigation Installations					
Other (specify)					
l'el	•0				
Current Access Control					
Access Control Proposed					
Permitted Access					
Grandfathered Access					

Reservations of Access	i i	Ħ		
Indentures of Access		Ħ		
Has the RAME been				
Known property owners concerns	s:			
Other right of way comments, cor	ncerns or considerations:			
Number and Type of Right of Way	Acquicitional			
Total Files:	/ Acquisitions.		Comment/Clarification	
Simple Acquisitions:		-	Comment Glarinication	
Complex Acquisitions:				
Residential Relocations:		-		
		—		
Business Acquisitions:		-		
Hardship Relocations: Railroad Acquisitions:		-		
Government Acquisitions		- 		
Government Acquisitions				
Narrative				
Assumptions				
•				

UTILITIES SCOPING WORKSHEET

Project Name				Project Number		
	Begin	End	Begin	End		
Street / Road / Route	0.00	0.00	0.00	0.00		
	0.00	0.00		0.00		
	0.00	0.00		0.00		
	0.00	0.00	0.00	0.00		
Type of Project	County		City		MPO	
Nork Type						
Rural/Urban/Mixed						
Terrain						
·						
Contact for Project:						
Prepared By:		Date:				
Utilities	Yes	No	N/A	Comment/Clarification		
Utility Impacts						
Reimbursable Utilities		Ħ	H	Supporting Franchise Agreements	availble?	
If Van and antimate.			اب			
If Yes, cost estimate:	\$ -					
List of the state						
List of Expected Utilities						
Utility Name		Comment	Clarificatio	n		
Narrative (To start a new para	agraph within a cell, pre	ess Alt/Ent	er)	2		
Assumptions						
	11					

ENVIRONMENTAL SCOPING WORKSHEET

Subsurface proping needed

Project Name				Project Number	
	Begin	End	Begin	End	
Street / Road / Route	0.00	0.00			
	0.00	0.00			
	0.00	0.00			
	0.00	0.00	0.00		
Type of Project	County		City		MPO
Work Type					
Rural/Urban/Mixed					
Terrain	2				
Contact for Project:					
Prepared By:		Date:			
Environmental Classification:					
Applicable NEPA Documents		Yes	No	N/A	Provide explanation
Is the project associated with any complete	d NEPA documents				
Does the project completely or partially fu	Ifill the related				
FONSI or ROD? (Explain)		_		1000	
Does the NEPA document need to be up	dated based on time				
or changed conditions before design can	proceed?	_		_	
Is the project a Class 2 action that falls with	in the API of a NEPA				
Air Quality		Yes	No	N/A	Comment/Clarification
Non-Attainment or Maintenance Area					
CO					
Ozone					
PM10					
Other Considerations		Yes	No	N/A	Comment/Clarification
Additional Lanes					
Signalization					
Channelization					
Alignment Changes					
		Yes	No	N/A	Comment/Clarification
Archaeology					
Potentially sensitive areas					
New ground disturbance					
BLM & USFS known sites					

Biology			3	
US Quad Name:	T		R	Section
	Yes	No	N/A	Comment/Clarification
ODFW Contact Made				
T&E Species present				
Streams impacted			\Box	
Essential Salmonid Habitat		┌		
Medium or High Priority fish passage culverts	Ī			
In-Water Work Period (specify in Comments)				
	į.			
Energy:	Yes	No	N/A	Comment/Clarification
Speed zone changes				
Traffic pattern changes				
Traffic volume changes				
Geology:	Yes	No	N/A	Comment/Clarification
Drilling required				
Hazardous Materials	Yes	No	NA	Comment/Clarification
Documented hazmat sites				
Hazmat	Yes	No	N/A	Comment/Clarification
Gas Stations, Industrial Sites				
Repair, Land Fill Facilities				
Historical Resources	Yes	No	N/A	Comment/Clarification
Historic Resources*				
Listed Goal 5 Resources	ΙĒ	ī	ī	
*National Register of Historic Places, State of Historic Preservation	on, Structu	res of 50 years	in age?	
Land Use	Yes	No	N/A	Comment/Clarification
In UGB				
Forest or EFU Lands				
Noise	Yes	No	N/A	Comment/Clarification
New or changed alignment			П	
Additional lanes				
	Yes	No	N/A	Comment/Clarification
Section 4F				
Section 6F				

Socioeconomics	Yes	No	N/A	
Building displacements that are key to economy/neighborhood.				
Number of Displacements: 0				
General use of adjacent land: Number				
Residential				
Residential Commercial				
Farm/Range				
Public				
Other	List:			
	Yes	No	N/A	Comment/Clarification
Visual Resources Impacts				
Major Cuts /Fills				
Bridges or Retaining Walls	П			
Scenic Waterways		ī	\Box	
Wild and Scenic Waterways		ī		
Adjacent to Federal Lands	Π̈́	Ħ		
Federal Enhancement			ā	
Scenic Byway Program	П	Ħ		
Oregon Historic Highway (ORS 377.100)		Ħ	Ī	
Oregon Scenic Area (ORS 377.505)	H	H		
Scenic-Forest Practices Act (ORS 527.755)		H		
Cooling Forest Forest			ы	
Waterways & Water Quality	Yes	No	N/A	Comment/Clarification
Within 100-year Floodplain				
Within FEMA Regulated Floodway	Ħ			
Water quality limited streams impacted		i i		
Active wells impacted	Ħ	Ħ	Ħ	
Navigable waterways impacted		Ħ		
New impervious surface area > 1000 sq yd	Ħ	Ħ	Ħ	
Impacts irrigation district	H	Ħ		
T&E species in receiving water	ä	H		
Existing storm drainage system				
Stormwater Management Plan required			i i	
Otominates management that the same			— H	
				Comment/Clarification
Wetlands	Yes	No	N/A	
Wetlands present				
Wetland mitigation needed (estimate cost in Comments)				
Wetland-related Permits:	_	_	_	Comment/Clarification
US Army Corp of Engineers Section 10 / Section 404				
DSL Removal/Fill	Ī	Ħ		
DEQ Indirect Air:				
PUC Railroad:		Ħ	П	
NPDES (Pollutant Discharge Elimination):		Ħ	Ħ	
Other	Ħ	Ħ	Π̈́	
			<u> </u>	

No		Comment/Clarification (Note required documentation)
		Comment/Clarification (Note required documentation)
No	N/A	Comment/Clarification (Note required documentation)
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\Box		Level 1 Hazmat Evaluation
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	ess Alt/Enter	ess Alt/Enter)

SURVEYING SCOPING WORKSHEET

Project Name				Project Number			1	
	Begin	End	Begin	End				
Street / Road / Route	0.00	0.00		0.00			1	
	0.00	0.00	0.00	0.00			1	
	0.00	0.00	0.00				1	
	0.00	0.00		0.00				
Type of Project	County		City		MPO			
Work Type		0		0				
Rural/Urban/Mixed		o l		0				
Terrain		0		•				
i erram							-5	
Contact for Project:								
Prepared By:		Date:						
Reviewed By:		Date:						
teviewed by:		Date.						
	Yes No	N/A						
Is survey required on this project?								
Aerial Photography required?								
Usable existing field survey?								
DSable existing field survey?	å 📙 📙							
Posinning of Project Letitude								
Beginning of Project Latitude:								
Beginning of Project Longitude:								
Full-time ODOT DAM Dec No (c)								
Existing ODOT R/W Drg No.(s):								
Existing Filing Maps:								
N	h within a call areas	A 14/ = -4						
Narrative (To start a new paragrap	n within a cell, press	Alt/Enter)						
						8		
Assumptions								
Assumptions								
Assumptions								
Assumptions								
Assumptions								
Assumptions								

GEOLOGY/GEOTECH SCOPING WORKSHEET

Project Name				Project Number		
	Begin	End	Begin	End		
Street / Road / Route	0.00	0.00	0.00	0.00		
	0.00	0.00	0.00	0.00		
	0.00	0.00	0.00	0.00		
	0.00	0.00	0.00	0.00		
Type of Project	County		City		MPO	
Work Type						
Rural/Urban/Mixed						
Terrain						

Contact for Project:					
Prepared By:	Date:				
Reviewed By:					
Reviewed by.	Date:				
Issues to be addressed	Yes	No	N/A	Comment/Clarification	
Disposal Site Required					
Site Available (specify location in comment section)	– 1 –	Ħ	Ħ		
Material Source Required		Ħ	Ħ		
Site Available (specify location in comment section)	– 1 –	Ħ	i ii		
Structure Added or Modified	-	Ħ	Ħ		
Bridge		Ħ	Ħ		
Retaining Wall		Ħ	ī		
Sound Wall		Ħ			
Culvert		Ħ	Ī		
Sign/Signal			Π		
VMS		Ī	Ī		
Other					
	Yes	No _	NA	Comment/Clarification	
Instability (Landslide or Rockfall)					
Roadway Failure (Sinkholes etc.)					
Groundwater Problems					
Drainage Concerns					
Subsurface Investigation Required		Ħ	Ħ		

Narrative	(To start a new paragraph within a cell, press Alt/Enter)
1	
1	
Assumptio	ns
1	
1	

BRIDGE SCOPING NARRATIVE

	Scoping No.	
ry		
	Scoping Date	
	Review Date	
Structure Name	Highway	MP
	±2	
	Structure Name	Scoping Date Review Date

Assumptions	
Risks	
22	

Sketches		
-		
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Photos	RISHBEW BL	The Tark The	

STRUCTURE COST ESTIMATE SUMMARY

PROJECT SCOPING No.

or w					ESTIMATED ITEMS			BID ITEMS				
ITEM No.	BRIDGE No.	SPEC GROUP	SPEC	CLASS OF WORK	MEASURE.	QTY	UNIT COST	SPEC UNIT	QTY	UNIT COST	TOTAL	NOTES