

Project Name	Josephine County Transit Transfer Point
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Problem Statement

Transit ridership has grown by 133% since FY 2009/2010 on JCT. This rapid growth has basically overwhelmed the current location to accommodate the number of passengers needing transfers. This growth also increased the need for routes to meet on time at specific locations to allow for passengers access to other routes. At the current location there is one stop and passengers have to hurry to find the bus they are attempting to transfer to. It will also eliminate the stacking of transit vehicles into the only disable parking space, the two existing cross walks and into the adjacent through lane of traffic. If there isn't enough room for all vehicles to pull into the curb, one will routinely stay in the lane of traffic.

Proposed Solution

A new transit hub will be built along 5th street between E Street and D Street. This location is two blocks away from the current facility. The proposed sites is currently owned by Josephine County and the land is suited to be dedicated to this use. The new site will consist of perimeter on street parking for all transit routes. The interior of the lot will be paved for customer parking and a small customer service/driver break room building will be constructed. JCT does not currently have a customer service or driver break facility on route. There will also be passenger amenities such as shelters, trash receptacles, lights and bicycle parking, for each individual route. Each route will have a designated spot to pull into so passengers know where to wait for each bus by route. Each spot will also be signed. The project will provide for modal improvements in transit, pedestrian, bicycle, motorists and benefit freight movements. By providing for adequate space for the transit vehicles they won't be pulling into crosswalks, pulling into disabled parking spaces or blocking a through lane of traffic on this state facility. It will improve operational safety for all the mentioned modes. It will not only improve the transit facility from what it is currently, it will also improve the operational efficiency at the current location.

Project Location and Type

Highway Number		Work Type	Operations
Highway Name (if multiple)	#N/A	Funding Type	
Route Number	#N/A	Highway Classification	Urban Principal Arterial-Other
Mile Points		Rural/Urban/Mixed	Urban
	to	Design Standards (3R/4R)	4R
	to	Project Type	Structures
	to	Terrain	Flat
Highway Number		Urban Growth Boundary	Yes <input checked="" type="checkbox"/>
Highway Name (if multiple)	#N/A	Freight Route	Yes <input type="checkbox"/>
Route Number	#N/A	National Highway System	Yes <input type="checkbox"/>
Mile Points		Metro Planning Organization	Yes <input checked="" type="checkbox"/>
	to	County	Josephine
	to		
	to		

Cost Estimate	Estimate	%*	Adjust	Reason for PE adjustment
Preliminary Engineering	\$ 46,000	15.0%	\$ -	
Right of Way	\$ -			
Utility Reimbursement	\$ 50,000			
Structures Construction	\$ 403,400			
Construction	\$ 417,000			
Total Project Estimate	\$916,400			

Add-on Items (e.g., guardrail on Pres)	
Cost of Add'l Items, Incl CE&Cont	\$ -
Add'l PE required	\$ -
Add'l R/W required	\$ -
Total Additional Cost	\$ -
Recommended funding source	

Prepared by	Richard Randleman
Date	2/19/2016
Scoping Date	
STIP Cycle	2018-2021

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Intermodal Opportunities	Description/Reason, if not included
Transit	
Bike/Ped	

Construction Cost Estimate Summary

Project Name		Josephine County Transit Transfer Point	
Elements	Amount	Base %	Adjust %
Roadway	\$ 164,233	Do not change the percentages in this column	Enter positive or negative percentage adjustment to Base % in this column
Structures	\$ -		
Traffic (Signs, signals, illum)	\$ -		
Hydro (not included in Rdwy or Structures)	\$ 81,500		
Geotech (not incl in Roadway or Structures)	\$ -		
Construction Subtotal	\$ 245,733		
Mobilization	\$ 24,573	10.0%	0.0%
Traffic Control (excl. Temp/Portable Signal)	\$ 24,573	10.0%	0.0%
Erosion Control	\$ 885	0.4%	0.0%
Construction Survey	\$ 4,915	2.0%	0.0%
Removal of Structures & Obstructions	\$ 7,372	3.0%	0.0%
Construction Bid Item Total	\$ 308,051		
Contingencies	\$ 73,720	30.0%	0.0%
Construction Engineering	\$ 35,631	14.5%	0.0%
Construction Total	\$ 417,402		

Reason for Mobe, TC, EC, Survey, Removal adjustment
Reason for CE & Contingency adjustment

Add-on Roadway Items (e.g., guardrail on Pres)	
Cost of Add'l Items	\$ -
Mobe, TPDP, Erosion, Survey, Removal	\$ -
Contingencies & CE	\$ -
Add-on Construction Cost	\$ -
Comments re: Add-ons	

SCOPING - COST ESTIMATE - 2008 English Items

OREGON STATE HIGHWAY DIVISION - ROADWAY ENGINEERING

SECTION			COUNTY	
Josephine County Transit Transfer Point			Josephine	
KIND OF WORK	LENGTH (mi)	DATE	ROADWAY DESIGNER	
Operations	225 '	3/15/16	J. Sheadel	
ITEM DESCRIPTION	UNIT	AMOUNT	UNIT COST	TOTAL
<i>Note: Percentages for Mobilization, Traffic Control, Erosion Control, Const Survey, and Removal are automatically calculated on the Construction Cost Totals sheet.</i>				
TRAFFIC CONTROL SIGNALS (Consult with Traffic Unit)				
PORTABLE SIGNAL	# MONTHS	0.0	\$6,000.00	\$0.00
TEMPORARY SIGNAL (1-lane detour)	EACH	0.0	\$80,000.00	\$0.00
TEMPORARY SIGNAL (Intersection)	EACH	0.0	\$90,000.00	\$0.00
TEMPORARY SIGNAL W/VIDEO DETECTION (Intersection)	EACH	0.0	\$110,000.00	\$0.00
		0.0		\$0.00
		0.0		\$0.00
		0.0		\$0.00
ROADWORK				
CLEARING AND GRUBBING	Ac	0.5	\$6,000.00	\$3,000.00
GENERAL EXCAVATION	CUYD	700.0	\$15.00	\$10,500.00
EMBANKMENT IN PLACE	CUYD	0.0	\$15.00	\$0.00
SURFACING STABILIZATION	SQYD	0.0	\$70.00	\$0.00
SUBGRADE STABILIZATION	SQYD	200.0	\$25.00	\$5,000.00
WATERING	MGAL	0.0	\$25.00	\$0.00
GEOTEXTILE	SQYD	2000.0	\$1.75	\$3,500.00
RIPRAP	CUYD	0.0	\$75.00	\$0.00
		0.0		\$0.00
		0.0		\$0.00
		0.0		\$0.00
		0.0		\$0.00
		0.0		\$0.00
DRAINAGE AND SEWERS				
<i>Estimate for Drainage & Sewers by Percentage</i>	LS	All	48.21%	\$53,420.24
<i>Will drainage be complex (Detention, Water Qual., Etc.)</i>	Yes			
OR Estimate for Drainage & Sewers by Itemization		If estimating by Items rather than by Percentage, enter "0" in the lump sum unit cost above (Cell E32).		
CONCRETE MANHOLES	FT	0.0	\$3,200.00	\$0.00
CONCRETE INLETS, TYPE CG-3	EACH	0.0	\$1,650.00	\$0.00
CONCRETE INLETS, TYPE G-2	EACH	0.0	\$1,650.00	\$0.00
CONNECTION TO EXISTING STRUCTURES	EACH	0.0	\$500.00	\$0.00
MINOR ADJUSTMENT OF MANHOLES/ INLETS	EACH	0.0	\$850.00	\$0.00
18 INCH CULVERT PIPE, 5 FT DEPTH	FT	0.0	\$75.00	\$0.00
18 INCH STORM SEW PIPE, 5 FT DEPTH	FT	0.0	\$75.00	\$0.00
WEARING SURFACE DRAIN	FT	0.0	\$70.00	\$0.00
WEARING SURFACE DRAIN OUTLETS	EACH	0.0	\$400.00	\$0.00
				\$0.00
				\$0.00
				\$0.00

				\$0.00
				\$0.00
BASES				
COLD PLANE PAVEMENT REMOVAL, 2 INCH DEEP	SQYD	0.0	\$1.75	\$0.00
COLD PLANE PAVEMENT REMOVAL, 4 INCH DEEP	SQYD	0.0	\$2.25	\$0.00
COLD PLANE PAVEMENT REMOVAL, 6 INCH DEEP	SQYD	0.0	\$2.75	\$0.00
AGGREGATE BASE/ SHLDR AGG	TON	600.0	\$25.00	\$15,000.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
WEARING SURFACES				
ASPHALT OIL	TON	25.0	\$600.00	\$15,000.00
ASPHALTIC CONCRETE PAVEMENT	TON	500.0	\$33.00	\$16,500.00
EXTRA FOR ASPHALT APPROACHES	EACH	0.0	\$600.00	\$0.00
CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	SQYD	0.0	\$100.00	\$0.00
STANDARD CURB CONCRETE CURBS	FT	400.0	\$18.00	\$7,200.00
CONCRETE ISLANDS	SQFT	0.0	\$10.00	\$0.00
CONCRETE DRIVEWAYS	SQFT	500.0	\$9.00	\$4,500.00
CONCRETE WALKS	SQFT	4000.0	\$7.00	\$28,000.00
AC Bonus/Smoothnes Bonus	LS	All	7.50%	\$2,362.50
HMAC in leveling	TON	0.0	\$45.00	\$0.00
ASPHALT OIL in leveling	TON	0.0	\$450.00	\$0.00
				\$0.00
				\$0.00
				\$0.00
PERMANENT TRAFFIC CONTROL AND GUIDANCE DEVICES				
GUARDRAIL, TYPE 2A	FT	0.0	\$20.00	\$0.00
GUARDRAIL, TYPE 3	FT	0.0	\$50.00	\$0.00
GUARDRAIL ANCHORS	EACH	0.0	\$700.00	\$0.00
GUARDRAIL END PIECE	EACH	0.0	\$150.00	\$0.00
GUARDRAIL CONNECTIONS	EACH	0.0	\$2,250.00	\$0.00
GUARDRAIL TRANSITION	EACH	0.0	\$2,500.00	\$0.00
GUARDRAIL TERMINALS, NON-FLARED	EACH	0.0	\$2,800.00	\$0.00
ADJUST GUARDRAIL	FT	0.0	\$5.00	\$0.00
CONCRETE BARRIER	FT	0.0	\$55.00	\$0.00
REMOVE AND REINSTALL CONCRETE BARRIER	FT	0.0	\$15.00	\$0.00
CONCRETE BARRIER, TALL	FT	0.0	\$85.00	\$0.00
IMPACT ATTENUATOR, QUAD GUARD	EACH	0.0	\$22,500.00	\$0.00
DELINEATORS, TYPE 2	EACH	0.0	\$40.00	\$0.00
THERMOPLASTIC, 120 MIL, SPRAYED	FT	200.0	1.25	\$250.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
TOTAL ROADWAY ITEMS (Construction)				\$164,232.74