

## OR NPS CRLA 13(1), Rehabilitate East Rim Drive

The work consists of grading, base, paving, subexcavation, and other small items of work.

Project length: 18.5 Miles

Estimated Price Range: Over \$20,000,000

Location: 57 miles Northwest of Klamath Falls, OR.

### DESCRIPTION OF WORK in US CUSTOMARY UNITS FP-14

	One Schedule Sch Name A
<b>DIVISION 150 – Project Requirements</b>	
<b>152</b> Construction Survey & Staking (yes/no)	<b>Yes</b>
15201-0000, CONSTRUCTION SURVEY AND STAKING, LPSM	<b>1</b>
<b>153</b> Contractor Quality Control and Assurance (yes/no)	<b>Yes</b>
15301-0000, CONTRACTOR QUALITY CONTROL, LPSM	<b>1</b>
<b>154</b> Contractor Sampling & Testing (yes/no)	<b>Yes</b>
15401-0000, CONTRACTOR TESTING, LPSM	<b>1</b>
<b>155</b> Schedules for Construction Contracts (construction schedules) (yes/no)	<b>Yes</b>
15501-0000, CONSTRUCTION SCHEDULE, LPSM	<b>1</b>
<b>157</b> Soil Erosion & Sediment Control (erosion control devices)	
15701-0000, SOIL EROSION CONTROL, LPSM	<b>1</b>
15705-0100 , SOIL EROSION CONTROL, SILT FENCE, LNFT	<b>6460</b>
15705-1500, SOIL EROSION CONTROL, COMPOST SOCK, LNFT	<b>4860</b>
15706-1000 , SOIL EROSION CONTROL, INLET PROTECTION,EACH	<b>5</b>
15706-1600 , SOIL EROSION CONTROL, STABILIZED CONSTRUCTION EXIT, EACH	<b>3</b>
<b>158</b> Watering for Dust Control	
15802-0000, WATERING FOR DUST CONTROL, LPSM	<b>1</b>

	One Schedule Sch Name A
<b>DIVISION 200 – Earthwork</b>	
<b>201</b> Clearing & Grubbing	
20101-0000, Clearing & Grubbing, ACRE	<b>27</b>
<b>203</b> Removal of Structures & Obstructions (structures, demolition)	
20301-0500, REMOVAL OF CATCH BASIN, EACH	<b>1</b>
20302-1600, REMOVAL OF PAVED WATERWAY, LNFT	<b>3632</b>
20303-3000, REMOVAL OF SIDEWALK, ASPHALT, SQYD	<b>900</b>
<b>204</b> Excavation & Embankment	
20401-0000, ROADWAY EXCAVATION, CUYD	<b>130500</b>
20402-0000, SUBEXCAVATION	<b>40000</b>
20410-0000, SELECT BORROW	<b>34000</b>
20465-0000, CONSERVE AND PLACE BOULDER	<b>30</b>
<b>205</b> Blasting Consultant (Consultant/Engineering Services) (yes/no)	<b>No</b>
<b>207</b> Earthwork Geosynthetics	
20702-0200, GEOTEXTILE FILTER, CLASS 1, TYPE B	<b>100000</b>
20720-0400, REINFORCEMENT GEOSYNTHETIC, TYPE 4	<b>98000</b>
<b>211</b> Roadway Obliteration	
21101-1000, ROADWAY OBLITERATION, METHOD 1, SQYD	<b>5000</b>
<b>DIVISION 250 – Slope Reinforcement and Retaining Walls</b>	
<b>251</b> Riprap	
25101-0100, PLACED RIPRAP, METHOD A, CLASS 1, CUYD	<b>4000</b>
25101-2000, PLACED RIPRAP, METHOD B (ENERGY DISSIPATOR), CUYD	<b>45</b>
25120-0000, RIPRAP DITCH, METHOD A, LNFT	<b>20</b>
<b>252</b> Rockery, Special Rock Embankment, and Rock Buttress	
25210-0000, ROCKERY (BERM), SQFT	<b>577</b>
<b>253</b> Gabions & Revet Mattresses	
25301-0000, GABIONS, SQFT	<b>5000</b>
<b>DIVISION 300 – Aggregate and Base Courses</b>	

	One Schedule Sch Name A
<b>301</b> Untreated Aggregate Courses ( <i>crushed aggregate</i> )	
30101-2000, AGGREGATE BASE GRADING D, TON	<b>162000</b>
<b>303</b> Road Reconditioning	
30302-1000, DITCH RECONDITIONING, LNFT	<b>150</b>
30303-3000, ROADWAY RECONDITIONING, SQYD	<b>544</b>
<b>313</b> Aggregate-Topsoil Course	
31301-0000, AGGREGATE-TOPSOIL COURSE, TON	<b>3107</b>
<b>DIVISION 400 – Asphalt Pavements &amp; Surface Treatments</b>	
<b>401</b> Asphalt Concrete Pavement By Gyratory Mix Design Method	
40101-5600, ASPHALT CONCRETE PAVEMENT, GYRATORY MIX, 1/2-INCH OR 3/4-INCH NOMINAL MAXIMUM SIZE AGGREGATE, 0.3 TO <3 MILLION ESAL, TON	<b>60000</b>
40105-3000, ANTISTRIP ADDITIVE, TYPE 3, TON	<b>600</b>
<b>412</b> Asphalt Tack Coat ( <i>asphalt surface treatment</i> )	
41202-0000, TACK COAT, GAL	<b>40000</b>
<b>413</b> Asphalt Pavement Milling	
41301-0800, ASPHALT PAVEMENT MILLING, 3-INCH DEPTH, SQYD	<b>20000</b>
<b>DIVISION 500 – Rigid Pavement</b>	
<b>501</b> Minor Concrete Pavement	
50101-2600, MINOR CONCRETE PAVEMENT, PLAIN, 6-INCH DEPTH, SQYD	<b>205</b>
<b>DIVISION 550 – Bridge Construction</b>	
<b>566</b> Shotcrete	
56604-0000, REINFORCED SHOTCRETE (GUARDWALL UNDERPINNING), CUYD	<b>27</b>
<b>DIVISION 600 – Incidental Construction</b>	
<b>601</b> Minor Concrete Structures ( <i>concrete – minor structures</i> )	
<b>602</b> Culverts & Drains ( <i>indicate one or both</i> )	
60201-0400, 12-INCH PIPE CULVERT, LNFT	<b>440</b>
60201-0800, 24-INCH PIPE CULVERT, LNFT	<b>200</b>
<b>604</b> Manholes, Inlets, & Catch Basins( <i>culverts &amp; drains</i> ) (indicate which)	

	One Schedule Sch Name A
60404-0000, CATCH BASIN (TYPE 1), EACH	10
<b>607</b> Cleaning, Relaying, & Repairing Existing Drainage Structures	
60704-0000, CLEANING CULVERT IN PLACE, EACH	39
60705-0000, REPAIRING DRAINAGE STRUCTURE, EACH	2
60706-0000, CLEANING DRAINAGE STRUCTURE, EACH	1
<b>609</b> Curb & Gutter ( <i>concrete – minor structures</i> ) ( <i>indicate which</i> )	
60901-4200, CURB, STONE, TYPE 1, 18-INCH DEPTH, LNFT	500
60901-6350, CURB, STONE, TYPE 2, 24-INCH DEPTH, LNFT	45
60907-1000, PAVED DITCH, ASPHALT (HISTORIC), LNFT	3632
<b>615</b> Sidewalks, Pads & Paved Medians ( <i>concrete – minor structures</i> )	
61501-0800, SIDEWALK, AGGREGATE, SQYD	50
61501-1100, SIDEWALK, ASPHALT, SQYD	3500
61505-1000, ACCESSIBILITY RAMP, CONCRETE, EACH	4
61509-0000, DETECTABLE WARNING PANELS, SQYD	4
<b>619</b> Fences, Gates, Cattle Guards & Bollard Posts	
61920-2000, REMOVE AND RESET GATE, EACH	4
61902-0000, GATE, EACH	4
<b>620</b> Stone Masonry	
62003-0000, STONE MASONRY (Q4W1 IMPROVEMENTS), LPSM	1
62003-0000, STONE MASONRY (UNDERPINNING WITH MICROPILES), LPSM	1
62010-1000, STONE MASONRY GUARDWALL, LNFT	1052
62011-0300, STONE MASONRY HEADWALL FOR 18-INCH PIPE CULVERT, EACH	1
62013-2000, STONE MASONRY WALL (REPAIR AND REPOINT 2' TO 6' HEIGHT), SQYD	75
62013-2000, STONE MASONRY WALL (REPAIR AND REPOINT > 6' HEIGHT), SQYD	70
62027-0000, REMOVE AND RESET STONE MASONRY (CURB), LNFT	30

	One Schedule Sch Name A
62028-1000, REMOVE AND RESET STONE MASONRY HEADWALL, EACH	2
62031-0000, REPOINT STONE MASONRY (HEADWALL), SQFT	85
62031-0000, REPOINT STONE MASONRY (2' TO 6' HEIGHT), SQFT	16000
62031-0000, REPOINT STONE MASONRY (> 6' HEIGHT), SQFT	17000
<b>621</b> Monuments & Markers ( <i>construction survey &amp; staking</i> ) (yes/no)	Yes
<b>622</b> Rental Equipment (yes/no)	Yes
62201-0250, DUMP TRUCK, 10 CUBIC YARD MINIMUM CAPACITY, HOUR	250
62201-0600, BACKHOE LOADER, 8 CUBIC FOOT MINIMUM RATED CAPACITY BUCKET, 30-INCH WIDTH, HOUR	300
62201-3400, HYDRAULIC EXCAVATOR, 1 CUBIC YARD MINIMUM CAPACITY WITH THUMB ATTACHMENT, HOUR	200
<b>623</b> General Labor (yes/no)	Yes
62301-0000, GENERAL LABOR, HOUR	300
<b>624</b> Topsoil ( <i>landscaping &amp; related items</i> )	
62405-0100, PLACING CONSERVED TOPSOIL, 2-INCH DEPTH, SQYD	107000
<b>633</b> Permanent Traffic Control (traffic control devices)	
63301-0000, SIGN SYSTEM, EACH	4
63316-1000, REMOVE AND RESET SIGN, EACH	70
<b>634</b> Permanent Pavement Markings ( <i>traffic pavement markings</i> )	
63401-0300, PAVEMENT MARKINGS, TYPE B, SOLID (YELLOW), LNFT	290000
63401-0300, PAVEMENT MARKINGS, TYPE B, SOLID (WHITE), LNFT	435000
63401-0400, PAVEMENT MARKINGS, TYPE B, BROKEN (YELLOW), LNFT	95000
63405-0850, PAVEMENT MARKINGS, TYPE B, ACCESSIBILITY SYMBOL, EACH	6
<b>635</b> Temporary Traffic Control	
63502-1200, TEMPORARY TRAFFIC CONTROL, TUBULAR MARKER, TYPE 28-INCH, EACH	110
63502-1300, TEMPORARY TRAFFIC CONTROL, DRUM, EACH	150

	One Schedule Sch Name A
63502-2000, TEMPORARY TRAFFIC CONTROL, PORTABLE CHANGEABLE MESSAGE SIGN, EACH	3
63502-2100, TEMPORARY TRAFFIC CONTROL, CRASH CUSHION, EACH	2
63502-2600, TEMPORARY TRAFFIC CONTROL, MOVING TEMPORARY CRASH CUSHION, EACH	2
63503-0400, TEMPORARY TRAFFIC CONTROL, CONCRETE BARRIER, LNFT	900
63503-0500, TEMPORARY TRAFFIC CONTROL, MOVING CONCRETE BARRIER, LNFT	900
63503-0700, TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKINGS, LNFT	350000
63503-1000, TEMPORARY TRAFFIC CONTROL, PLASTIC FENCE, LNFT	1000
63504-1000, TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN, SQFT	576
63506-0500, TEMPORARY TRAFFIC CONTROL, FLAGGER, HOUR	6400
63507-0600, TEMPORARY TRAFFIC CONTROL, PILOT CAR, DAY	243
63507-0700, TEMPORARY TRAFFIC CONTROL, TRAFFIC CONTROL SUPERVISOR, DAY	267
<b>646</b> Roadside Development ( <i>use pay item description</i> )	
64603-0000, FIXTURE (REMOVE AND RESET EXISTING STONE EXHIBIT), EACH	1
64603-1200, FIXTURE, WAYSIDE EXHIBIT (REMOVE AND RESET), EACH	2