



State of Utah

GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

## DEPARTMENT OF TRANSPORTATION

CARLOS M. BRACERAS, P.E.  
*Executive Director*

SHANE M. MARSHALL, P.E.  
*Deputy Director*

November 16, 2016

TO ALL BIDDERS CONCERNED:

SUBJECT:

F-115-7(309)318 / Pin 011092  
650 North & I-15 Interchange/Intersection  
Addendum Number: 1

To Whom It May Concern:

We are submitting the following changes to the subject project.

1. The Bid Opening has been revised. The Bid Opening date has been changed from November 22, 2016 to **November 29, 2016**

EBS requires you to change the "Bid Date" on your "Project Item Bid Detail" window. If you do not change the date; your bid will not be downloaded for "Bid Opening".

2. The "Bidding Schedule" has been revised.

Bidders **must download** the revised Bidder's Schedule "Bid Item Version 2" from the UDOT website at <http://www.udot.utah.gov/index.php?m=c&tid=317>

Item No. 4 01559000\* "Highway Patrol Assistance" quantity 100 hour has been deleted and moved to Non Bid Items (Please note the numbering sequence will change)

3. The "Measurement and Payment" has been revised. (Please note the number sequence will change)

Item No. 4 01559000\* "Highway Patrol Assistance" has been deleted.

4. Special Provision 00221S "Bidding Contract Time" has been revised.
5. Special Provision 01559S "Highway Patrol Assistance" has been revised.
6. Plan Sheet SM-01, and SM-05 have been revised.

Please consider these revisions before submitting your bid.

**\*\*\* ADDENDUM IS AVAILABLE AND MAY BE DOWNLOADED FROM THE UDOT WEBSITE AT <http://eprpw.dot.utah.gov>**

**RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED WHEN YOU SUBMIT YOUR BID.**

**YOUR BID WILL BE DECLARED NON-RESPONSIVE IF YOU DO NOT ACKNOWLEDGE THIS  
ADDENDUM.**

Sincerely,



MICHAEL ROMERO  
Project Manager

Attach:

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## Measurement and Payment

### Project # F-I15-7(309)318

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Item #	Bid Item Number	Bid Item Name	UOM
1	00830001U	On the Job Training	hour
<p>Training Commitments listed in the Table of Contents for Federal projects, XI § 5  <a href="http://www.udot.utah.gov/main/f?p=100:pg:::1:T,V:1940">http://www.udot.utah.gov/main/f?p=100:pg:::1:T,V:1940</a></p>			
2	012850010	Mobilization	lump sum
		<b>Amount Paid</b>	<b>When Paid</b>
		<p>The lesser of 25% of Mobilization or 2.5% of contract            The lesser of 50% of Mobilization or 5% of contract            The lesser of 75% of Mobilization or 7.5% of contract            The lesser of 100% of Mobilization or 10% of contract            Amount bid in excess of 10% of contract price.</p>	<p>With first estimate            With estimate following completion of 5% of contract            With estimate following completion of 10% of contract            With estimate following completion of 20% of contract            Project Acceptance-Final</p>
Includes all costs associated with Railroad Flagging, inspection, and cleanup crew according to Section 00725.			
3	01554000*	Traffic Control	lump sum
<p>25% of the bid item amount paid with first estimate.            Remaining portion of bid item paid as a percentage of the contract completed with each subsequent estimate.            Includes the cost to provide, install, and maintain variable message boards.</p>			
4	015710030	Silt Fence	foot
5	015710075	Drop-Inlet Barrier - 18 Inch Fiber Roll	foot
Measured along centerline of fiber roll			
6	015710100	Gutter Inlet Barrier	each
7	015720020	Dust Control and Watering	1000 gallons
8	018920010	Reconstruct Catch Basin	each
9	01892003P	Reconstruct Utility Box	each
Includes all labor, equipment and materials required to rebuild existing meter box.			
10	018920040	Reconstruct Valve Box	each
11	018920050	Reconstruct Manhole	each
12	020560015	Granular Borrow (Plan Quantity)	cubic yard
In final position			
13	020560060	Free Draining Granular Backfill (Plan Quantity)	cubic yard
14	02075002P	Geotextiles - Erosion Control (Plan Quantity)	square yard
Measurement does not include overlaps			
15	02075003P	Geotextiles - Drainage (Plan Quantity)	square yard
Measurement does not include overlaps			
16	020820020	Relocate Water Meter	each
17	02216001*	Pothole Utility	each
As approved by the Engineer. Potholes not approved will not be paid for. Includes identifying utility conflicts regardless of depth, resoration of disturbed area, recording and submitting pothole data, and all labor and materials required to identify utility.			
18	02221002P	Remove Bollard	each
Includes the removal and disposal of all materials and incidental obstructions.			
19	022210030	Remove Catch Basin	each
20	02221003P	Salvage Trail Kiosk	each
Includes removal and disposal of existing concrete foundations (if any). Kiosk must be salvaged and returned to Clearfield City as defined in project documents.			
21	02221004*	Abandon Monitoring Well	each
Includes work required to break down and removal of structure to at least 1 foot below the subgrade or finished ground lines.			
22	02221004P	Salvage Light Pole	each
Includes removal, loading, unloading and transportation to salvage light pole to Gary Stewart at (801) 217-3568. Obliterate foundation 24			



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Item #	Bid Item Number	Bid Item Name	UOM
		inches below existing grade.	
23	022210075	Remove Guardrail	foot
		Includes posts, end treatments, transition elements, and anchorages	
24	022210095	Remove Pipe Culvert	foot
25	022210110	Remove Concrete Sidewalk	square yard
		Use the area of horizontal projection to calculate the area of steps	
26	022210115	Remove Concrete Driveway	square yard
27	022210120	Remove Concrete Curb	foot
28	022210125	Remove Concrete Curb and Gutter	foot
29	022210127	Remove Concrete Slope Protection	square yard
30	022210165	Remove Asphalt Pavement	square yard
		Regardless of the depth A. Does not include discontinued roads within the limits of the new roadbed or roads that are disturbed in performing other items of work. B. Exclude from measurement and payment under "Roadway Excavation."	
31	022210170	Remove Precast Concrete Barrier	foot
32	02221018P	Remove Light Pole Foundation	each
		Obliterate foundation 24 inches below existing grade. Prior to removal of foundation, contact Jason Wolff (801-710-1916) and Dave Harper (801-825-2122) to allow time for removal of the light pole.	
33	023160020	Roadway Excavation (Plan Quantity)	cubic yard
34	023180010	Small Ditch Excavation (Plan Quantity)	cubic yard
35	02373001P	Loose Riprap (Plan Quantity)	cubic yard
		Calculated using the in-place surface area and specified thickness.	
36	02511003*	Relocate Fire Hydrant	each
		In place. Includes the installation of hydrant, testing, disinfection, fittings, valves, thrust blocks, tie-downs, restraining glands and all other items to make the water line complete and operational.	
37	02610161P	18 Inch - Reinforced Concrete Pipe, Irrigation/Storm Drain, Class C	foot
		A. Measured along centerline of pipe B. Trench excavation, pipe bedding, backfill, embankment, granular borrow, UTBC, HMA, pavement cutting and flowable fill as shown in the standard and project drawings are incidental to construction and no separate payment will be made. C. Connections to drainage structures or features are incidental to construction and no separate payment will be made. D. No separate payment will be made for required inspection and testing.	
38	026130030	Culvert End Section 18 inch	each
39	02622006P	8 Inch Diameter Perforated HDPE Pipe	foot
		A. Measured along centerline of pipe B. Trench excavation and pipe fittings as shown in the plans are incidental to construction and no separate payment will be made. C. Connections to drainage structures or features are incidental to construction and no separate payment will be made.	
40	026330030	4 Foot Standard Manhole - CB 11	each
		A. Consists of all necessary materials required to make a complete drainage structure including but not limited to the following: Concrete, reinforcing steel, grate and frame, manhole steps, and any other items required in standard drawings. B. The connection to any pipe culvert or other drainage feature will be incidental to construction and no separate payment will be made for this work. C. The Department will pay a percentage of the unit bid price in addition to the price for each structure, proportional to volume changes (example: a 4 ft deep box increased by 1.5 ft, the percentage of increase in payment is $1.5 \div 4 \times 100$ ) for any required field changes larger than 1 foot of specified plan dimensions. D. The Department will make no separate payment for testing upon failure of visual inspection.	
41	026330120	Concrete Drainage Structure 3 ft to 5 ft Deep - CB 9	each
		A. Consists of all necessary materials required to make a complete drainage structure including but not limited to the following: Concrete, reinforcing steel, grate and frame, manhole steps, and any other items required in standard drawings. B. The connection to any pipe culvert or other drainage feature will be incidental to construction and no separate payment will be made for	



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		<p>this work.</p> <p>C. The Department will pay a percentage of the unit bid price in addition to the price for each structure, proportional to volume changes (example: a 4 ft deep box increased by 1.5 ft, the percentage of increase in payment is <math>1.5 \div 4 \times 100</math>) for any required field changes larger than 1 foot of specified plan dimensions.</p> <p>D. The Department will make no separate payment for testing upon failure of visual inspection.</p>	
42	026330130	Concrete Drainage Structure 5 ft to 7 ft Deep - CB 9	each
		<p>A. Consists of all necessary materials required to make a complete drainage structure including but not limited to the following: Concrete, reinforcing steel, grate and frame, manhole steps, and any other items required in standard drawings.</p> <p>B. The connection to any pipe culvert or other drainage feature will be incidental to construction and no separate payment will be made for this work.</p> <p>C. The Department will pay a percentage of the unit bid price in addition to the price for each structure, proportional to volume changes (example: a 4 ft deep box increased by 1.5 ft, the percentage of increase in payment is <math>1.5 \div 4 \times 100</math>) for any required field changes larger than 1 foot of specified plan dimensions.</p> <p>D. The Department will make no separate payment for testing upon failure of visual inspection.</p>	
43	027210020	Untreated Base Course (Plan Quantity)	cubic yard
44	02737001*	Pavement Soft Spot Repair - Type A (Contingency Item)	square yard
		Includes all labor, materials and equipment incidental to the Soft Spot Repair. Including asphalt removal, hauling, disposal of excavated material, placement, compaction, and HMA. Estimated quantities are based on preliminary field review for bidding purposes only. Actual quantities needed for repair will be determined by the Engineer. HMA Soft Spot Repair may be reduced, deleted, or increased beyond the bid quantities listed in the contract. Actual quantities placed will be paid at the contract unit price.	
45	027410050	HMA - 1/2 inch	ton
		Includes aggregates, asphalt binder, hydrated lime, tack coat, and other additives, etc.	
46	02765003P	Remove Pavement Marking Tape	foot
		Per foot each line removed regardless of width. Unauthorized removals will not be paid for.	
47	027680005	4 inch Pavement Marking Tape - White	foot
		<p>A. Do not measure the gap in the broken line.</p> <p>B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.</p>	
48	027680010	8 inch Pavement Marking Tape - White	foot
		<p>A. Do not measure the gap in the broken line.</p> <p>B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.</p>	
49	027680015	4 inch Pavement Marking Tape - Yellow	foot
		<p>A. Do not measure the gap in the broken line.</p> <p>B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.</p>	
50	02768001P	Pavement Marking Groove	foot
		<p>A. Do not measure the gap in the broken line.</p> <p>B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.</p>	
51	02768002P	Pavement Message (Preformed Thermoplastic Stop Line, Crosswalks - 24 inch)	foot
		<p>A. Do not measure the gap in the broken line.</p> <p>B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.</p>	
52	027680105	Pavement Message (Preformed Thermoplastic)	each
		<p>Measurement</p> <p>A. Letter = one message</p> <p>B. Arrow = one message</p> <p>C. Multi-headed arrow = one message per arrow</p> <p>D. School crossbars = one message per 24 inch x 10 ft bar</p> <p>E. Crosswalk = two message per lane and two messages per shoulder</p> <p>F. Stop Bar = one message per lane and one message per shoulder</p> <p>G. Railroad crossing markings = seven messages per lane</p> <p>1. R = one message each (two required)</p> <p>2. X = two messages</p> <p>3. Transverse Bar = one message each (two required)</p> <p>4. Stop Bar = one message</p> <p>H. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.</p>	
53	027680115	Pavement Message (Preformed Thermoplastic Stop Line, Crosswalks - 12 inch)	foot



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Item #	Bid Item Number	Bid Item Name	UOM
		inch)	
		By the foot of 12 inch wide line according to Standard Drawings.	
54	027710058	Corner Pedestrian Access Ramp	each
		Includes all labor, equipment, untreated base course, and materials necessary for a complete pedestrian access ramp according to GW Series Standard Drawings. The curb cut will remain part of the curb and gutter installation.	
55	027710059	Perpendicular/Parallel Pedestrian Access Ramp	each
		Includes all labor, equipment, untreated base course, and materials necessary for a complete pedestrian access ramp according to GW Series Standard Drawings. The curb cut will remain part of the curb and gutter installation.	
56	027710086	Detectable Warning Surface	each
		Includes all labor, equipment, and materials necessary for a complete upgraded pedestrian access ramp with the new detectable warning panel.	
57	027760005	Concrete Gutter	foot
		Measured along the roadway face. Includes excavation and untreated base course.	
58	027760006	Concrete Curb Type B3	foot
		Measured along the roadway face. Includes dowel bars.	
59	027760010	Concrete Sidewalk	square foot
		Includes excavation and untreated base course.	
60	027760017	Concrete Curb Type B5	foot
		Measured along the roadway face. Includes dowel bars.	
61	02776001P	Concrete Curb Type B5 (Back-To-Back)	foot
		Includes excavation and untreated base course.	
62	027760025	Concrete Curb and Gutter Type B1	foot
		Measured along the roadway face. Includes excavation and untreated base course.	
63	02776002P	Modified Concrete Curb Type B5	foot
		Includes excavation and untreated base course.	
64	027760030	Concrete Flatwork, 4 inch thick	square foot
		Includes excavation and untreated base course.	
65	027760035	Concrete Curb and Gutter Type M1	foot
		Measured along the roadway face. Includes excavation and untreated base course.	
66	027760045	Concrete Driveway Flared, 7 inch Thick	square foot
		Include Radius and Flares. Includes excavation and untreated base course. Includes all labor, equipment, and materials necessary for a complete driveway. The curb cut will remain part of the curb and gutter installation.	
67	02776004P	Concrete Curb and Gutter Transition – Type A	each
		Includes excavation and untreated base course.	
68	027760050	Concrete Flatwork, 7 inch thick	square foot
		Includes excavation and untreated base course.	
69	027760055	Concrete Driveway Open, 7 inch Thick	square foot
		Include Radius and Flares. Includes excavation and untreated base course. Includes all labor, equipment, and materials necessary for a complete driveway. The curb cut will remain part of the curb and gutter installation.	



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Item #	Bid Item Number	Bid Item Name	UOM
70	02776005P	Concrete Curb and Gutter Transition – Type B <i>Includes excavation and untreated base course.</i>	each
71	02776006P	Concrete Curb and Gutter Transition – Type C <i>Includes excavation and untreated base course.</i>	each
72	02776007P	Concrete Curb and Gutter Transition – Type D <i>Includes excavation and untreated base course.</i>	each
73	02776008P	Modified Plowable End Section <i>Includes excavation and untreated base course.</i>	each
74	02776009P	Concrete Curb Transition – Type E <i>Includes excavation and untreated base course.</i>	each
75	027760100	Plowable End Section <i>Includes excavation and untreated base course.</i>	each
76	02776010P	Concrete Curb and Gutter Transition <i>Includes excavation and untreated base course.</i>	each
77	027870020	Bonded Wearing Course - Type B	square yard
78	02817000*	Fixed Bollard <i>Includes all material labor and equipment necessary to construct the fixed bollard as described in the project documents.</i>	each
79	02817001*	Removable Bollard <i>Includes all material labor and equipment necessary to construct the removable bollard as described in the project documents.</i>	each
80	02844001P	Precast Concrete Constant Slope Half Barrier - 42 Inch <i>Includes connection pins, stabilization pins, and barrier reflectors. Includes asphalt impregnated polyurethane foam when required. See BA Series, Standard Drawings.</i>	foot
81	02844002P	Cast-In-Place Concrete Constant Slope Half Barrier - 42 Inch Trailing Sloped End Section <i>Includes connection pins, rigid plastic foam, asphalt impregnated polyurethane foam, and barrier reflectors. See BA Series Standard Drawings and project document details.</i>	each
82	028440030	Cast-in-Place Concrete Constant Slope Barrier - 42 Inch <i>Includes barrier reflectors. See BA Series, Standard Drawing BA 3A1.</i>	foot
83	02844003P	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Trailing Sloped End Section to B5 Curb <i>Includes barrier reflectors. See BA Series, Standard Drawing BA 3A1 and project document details.</i>	each
84	02844004P	Cast-In-Place Concrete Constant Slope Barrier - 42 Inch Trailing Sloped End Section to B5 Curb <i>Includes barrier reflectors. See BA Series, Standard Drawing BA 3A2 and project document details.</i>	each
85	028440330	Cast-In-Place Concrete Constant Slope Half Barrier 42 Inch <i>Includes barrier reflectors. See BA Series Standard Drawings.</i>	foot
86	028440390	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Trailing Sloped End Section <i>Includes barrier reflectors. See BA Series Standard Drawings.</i>	each
87	028440440	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, TL-5 <i>Includes barrier reflectors. See BA Series Standard Drawings.</i>	foot
88	02844048P	Low Profile Concrete Barrier <i>Includes barrier reflectors. See project document details for more information.</i>	foot
89	02844049P	Low Profile Concrete Barrier Transition <i>Includes barrier reflectors. See project document details for more information.</i>	each



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Item #	Bid Item Number	Bid Item Name	UOM
90	029610020	Rotomilling - 1 Inch	square yard
Calculated from length multiplied by the average finished width of rotomilled surface			
91	029610030	Rotomilling - 2 Inch	square yard
Calculated from length multiplied by the average finished width of rotomilled surface			
92	029610040	Rotomilling - 3 Inch	square yard
Calculated from length multiplied by the average finished width of rotomilled surface			
93	029610070	Rotomilling - 6 Inch	square yard
Calculated from length multiplied by the average finished width of rotomilled surface			
94	135530025	One 3-Inch Conduit	foot
<p>A. Includes all materials, labor, workmanship, equipment, documentation, and incidental items required for a complete system of conduit as described in the contract. Conduit may be installed by trenching, boring, or plowing unless otherwise specified.</p> <p>B. Includes duct seal, pull tape, conduit sweeps, fittings, conduit proofing, backfill, and warning tape.</p> <p>C. Includes flowable fill.</p>			
95	16121010*	Rocky Mountain Power Concrete Padvault Sleeve	each
<p>A. Includes all design, materials, labor, and equipment necessary to complete the item to the satisfaction of Rocky Mountain Power.</p> <p>B. Includes the manufacturing, furnishing and installation of all items.</p> <p>C. Includes any special backfill required by the fabricator's designer that is in addition to that required by the contract.</p> <p>D. Includes placement of structural non-shrink grout.</p> <p>E. Includes sealing joints and furnishing and installing waterproofing membrane.</p> <p>F. Includes repair of defects and breakage of precast elements.</p> <p>G. Includes over-excavation and replacement when required.</p>			
96	028930020	48 Inch Overhead Sign Foundation	each
Includes all materials, equipment, labor, and incidental items necessary to provide overhead sign foundations. Includes conduit, steel reinforcement, anchor bolt templates, and grounding materials associated with the overhead sign foundation.			
97	02893011P	24 Inch Overhead Dual Cantilever Sign Structure	each
Includes all materials, equipment, labor, and incidental items necessary to provide and install the structure as specified in the contract. Includes all work associated with the development, review and verification of shop drawings and overhead sign structural design items.			
98	02635004P	10 inch x 24 inch Grate and Frame	each
Refer to UDOT Standard Drawing Series GF 3			
99	02871001*	Retaining Wall R-784 (Est. Qty 4980 Sq Ft Exposed Face)	lump sum
<p>A. Includes coordination of crews and subcontractors to phase and stage work as required by the contract. Excavation, temporary supports or shoring and restoration to existing natural ground behind the wall face will be incidental to work.</p> <p>B. Includes initial testing, proof testing and oversight</p> <p>C. Includes all labor, design, shop drawings, equipment, tools, and materials to construct new wall, not limited to:</p> <p>a. Drilling and placing soil nails to the design length and inclination design, detail and, including drilling and centering devices, epoxy coated threaded bar, nail grout, bearing plate with studs, hex nut, beveled washer, centralizer casings and all other items necessary to place the soil nails.</p> <p>b. Shotcrete, geocomposite drainage material, reinforcement, backer rod, PVC drain pipe, joint filler, compressible filler, polystyrene blockout, and all other incidental items necessary to construct the temporary shotcrete facing.</p> <p>c. Shotcrete or cast-in-place permanent facing for entire wall with architectural finish, epoxy coated reinforcing steel for support of facing molds, and all other incidental items necessary to construct the permanent facing with architectural finish.</p> <p>d. Tooled or saw-cut joints, curing compound, and silicone sealant.</p> <p>e. Rigid plastic foam to be placed against the existing abutment, and compressible joint filler where piles become exposed.</p> <p>f. Concrete gutter to be placed above the wall.</p>			
100	02814001*	Reestablish Existing Landscape	square foot
Includes all materials, equipment, labor and incidental items necessary to restore property landscaping to pre-construction state. Possible items necessary includes but not limited to: landscaping rock, turf sod, plantings, irrigation systems, etc.			
101	02911001P	Wood Fiber Mulch	1000 square feet



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Item #	Bid Item Number	Bid Item Name	UOM
		Includes all materials, equipment, labor and incidental items necessary to install mulch.	
102	029120010	Contractor Furnished Topsoil	square yard
103	02922003P	Broadcast Seed	1000 square feet
104	028420010	Delineator Type I	each
		Includes removal and disposal of existing delineators.	
105	028420030	Delineator - Culvert Marker	each
		Includes removal and disposal of existing delineators.	
106	02891001P	Sign Type A-2, 18 inch X 18 inch	each
107	028910028	Sign Type A-1, 12 Inch X 36 Inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
108	02891002P	Sign Type A-1, 18 inch X 30 inch	each
		Includes frame or "Z" bar as required in SN Series Standard Drawings.	
109	02891003P	Sign Type A-1, 24 inch X 8 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
110	028910040	Sign Type A-1, 24 inch X 12 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
111	028910045	Sign Type A-1, 24 inch X 18 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
112	02891004P	Sign Type A-1, 30 inch X 36 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
113	02891005P	Sign Type A-1, 30 inch X 54 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
114	028910060	Sign Type A-1, 30 inch X 30 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
115	028910065	Sign Type A-1, 36 inch X 36 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
116	02891006P	Sign Type A-1, 48 inch X 60 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
117	028910070	Sign Type A-1, 48 inch X 48 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
118	028910075	Sign Type A-2	square foot
		Non Standard size signs. Includes frame or mounting bar as required in SN Series Standard Drawings.	
119	02891008P	Sign Type A-1, 54 inch X 18 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
120	02891009P	Sign Type A-1, 60 inch X 54 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
121	028910103	Sign Type A-2, 24 inch x 24 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
122	02891010P	Sign Type A-2, 48 inch X 30 inch	each



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Item #	Bid Item Number	Bid Item Name	UOM
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
123	02891011P	Sign Type A-1, 66 inch X 30 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
124	028910125	Sign Type A-2, 48 inch X 48 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
125	02891013P	Sign Type A-2, 36 inch X 48 inch	each
		Includes frame or mounting bar as required in SN Series Standard Drawings.	
126	02891014P	Sign Type A-2, 54 inch X 60 inch	each
		Includes frame or "Z" bar as required in SN Series Standard Drawings.	
127	02891015P	Sign Type A-2, 54 inch X 72 inch	each
		Includes frame or "Z" bar as required in SN Series Standard Drawings.	
128	02891016P	Sign Type A-2, 78 inch X 48 inch	each
		Includes frame or "Z" bar as required in SN Series Standard Drawings.	
129	02891018P	Sign Type A-2, 108 inch X 102 inch	each
		Includes frame or "Z" bar as required in SN Series Standard Drawings.	
130	02891019P	Sign Type A-2, 48 inch X 36 inch	each
		Includes frame or "Z" bar as required in SN Series Standard Drawings.	
131	02891020P	Sign Type A-2, 72 Inch x 42 Inch	each
		Includes frame or "Z" bar as required in SN Series Standard Drawings.	
132	028910270	Remove Sign Less Than 20 Square Feet	each
133	028910275	Remove Sign Greater Than or Equal to 20 Square Feet	each
134	028910285	Relocate Sign Less Than 20 Square Feet	each
		Includes removal and disposal of existing concrete sign base.	
135	028910290	Relocate Sign Greater Than or Equal to 20 Square Feet	each
		Includes removal and disposal of existing concrete sign base.	
136	028910320	Slipbase Sign Base (B3)	each
		Includes installation of top casting, stub base, concrete foundation, and core drilling as required by SN Series Standard Drawings.	
137	028910365	Sign Post P3	each
		Includes post and all hardware to mount sign to post as required by SN Series Standard Drawings.	
138	028910370	Sign Post P4	each
		Includes post and all hardware to mount sign to post as required by SN Series Standard Drawings.	
139	028910375	Sign Post P5	each
		Includes post and all hardware to mount sign to post as required by SN Series Standard Drawings.	
140	028910380	T - Bracket Extension	each
		As required by SN Series Standard Drawings.	
141	028910415	Post S6 X 17.25	each
		Includes post, post to base connection plate, fuse and splice plates, and all hardware to mount sign to post as required by SN Series Standard Drawings.	
142	02892001D	Traffic Signal System (SR-126/SR-103)	lump sum
		Includes all labor, equipment, installation of state furnished materials, power source connection, mast arm mounted signs, and materials	



# Measurement and Payment

Project # F-I15-7(309)318

11/16/2016

Item #	Bid Item Number	Bid Item Name	UOM
		necessary to provide a complete and fully operational signal system.	
143	02892002D	Traffic Signal System (SR-103/I-15 SB Ramp)	lump sum
		Includes all labor, equipment, installation of state furnished materials, power source connection, mast arm mounted signs, and materials necessary to provide a complete and fully operational signal system.	
144	02892003D	Traffic Signal System (SR-103/I-15 NB Ramp)	lump sum
		Includes all labor, equipment, installation of state furnished materials, power source connection, mast arm mounted signs, and materials necessary to provide a complete and fully operational signal system.	
145	16525001D	Highway Lighting System (I-15 Underdeck)	lump sum
		Includes all labor, equipment, and materials necessary to provide a complete and fully operational highway lighting system.	
146	13553001P	ATMS Systems (SR-126/SR-103)	lump sum
		A. Includes all materials, labor, workmanship, equipment, documentation, inspection, and incidental items required for a complete system of conduit as described in the contract. Conduit may be installed by trenching, boring, or plowing unless otherwise specified. B. Includes duct seal, pull tape, conduit sweeps, fittings, conduit proofing, backfill, and warning tape. C. Includes flowable fill. D. Consultant inspection of mandrel test is paid for via consultant services contract.	
147	13553002P	ATMS Systems (SR-103/I-15 SB Ramp)	lump sum
		A. Includes all materials, labor, workmanship, equipment, documentation, and incidental items required for a complete system of conduit as described in the contract. Conduit may be installed by trenching, boring, or plowing unless otherwise specified. B. Includes duct seal, pull tape, conduit sweeps, fittings, conduit proofing, backfill, and warning tape. C. Includes flowable fill.	
148	13553003P	ATMS ( SR-103/I-15 NB Ramp)	lump sum
		A. Includes all materials, labor, workmanship, equipment, documentation, and incidental items required for a complete system of conduit as described in the contract. Conduit may be installed by trenching, boring, or plowing unless otherwise specified. B. Includes duct seal, pull tape, conduit sweeps, fittings, conduit proofing, backfill, and warning tape. C. Includes flowable fill.	

July 8, 2015

**SPECIAL PROVISION**

**PROJECT # F-I15-7(309)318  
PIN # 11092**

**SECTION 00221S**

**BIDDING CONTRACT TIME**

**Add Section 00221**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Procedures for bidding contract time for the Price + Time bidding process.
  - 1. Includes incentive/disincentive for early/late completion of project milestones.
  
- B. Description of time component pricing, and time related incentive or disincentive.
  - 1. Refer to Section 00515M for information regarding bidding time and determination of the low bidder.
  - 2. Time is a bid item that captures societal costs and is used for evaluation of the low bidder. Incentive/Disincentive is the only time related payment. Refer to this Section, article 1.7.

**1.2 RELATED SECTIONS**

- A. Section 00515M: Contract Award And Execution
  
- B. Section 00555: Prosecution and Progress

**1.3 REFERENCES Not Used**

**1.4 DEFINITIONS Not Used**

**1.5 SUBMITTALS Not Used**

## 1.6 TIME COMPONENT

- A. Determine the bid price for the time component as follows.
  - 1. Measure contract time in calendar days.
  - 2. Determine the number of consecutive calendar days required between each start milestone and finish milestone in Table 1.
    - a. Consider all requirements of the contract when determining the number of calendar days,
    - b. Include the days of the start milestone and finish milestone in the number of calendar days.
- B. The Department does not guarantee that any milestone can be completed in the minimum calendar days shown in Table 1.
- C. Bidders are responsible to complete the milestones within the time bid and according to project requirements.
- D. The Department will consider the bid non-responsive if the bidder:
  - 1. Does not submit a bid for the time component.
  - 2. Submits a time component bid for any awardable portion of the contract which is outside the minimum or maximum range.
- E. Negative amounts are not permitted for time related bid items.
- F. Time is bid in calendar days. Consider seasonal project specific weather conditions during bid preparation.

**Table 1**

<b>Determination of Calendar Days</b>						
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
<b>TIME SEGMENT</b>	<b>START MILESTONE</b>	<b>FINISH MILESTONE</b>	<b>TIME-RELATED COST-RATE</b>	<b>TIME-RELATED COST-RATE METHOD</b>	<b>MIN</b>	<b>MAX</b>
			Dollars per calendar day	User Cost or Liquidated Damages	Calendar Days	Calendar Days
1 (see note 1)	First Day of Construction or no later than January 16 <sup>th</sup> , 2017	Completion Segment 1	\$5,000	User Cost	20	40
2 (see note 1)	First Day of Construction Segment 2 or no later than April 3 <sup>rd</sup> , 2017	Substantial Completion	\$10,000	User Cost	60	110

NOTE 1: Time Segment 1 is the duration required to complete Wall R-748 as shown in the structural plans. Construction of R-748 is the only item of work allowed during Time Segment 1. Time Segment 2 is the duration required for substantial completion of all other items. Beginning work on any items other than Wall R-748 will begin time on Time Segment 2.

NOTE 2: Use of traffic control devices are not permitted between Time Segment 1 and Time Segment 2 unless approved by the Engineer.

NOTE 3: Notify Engineer in writing 10 days prior to beginning work.

**1.7 INCENTIVES/DISINCENTIVES RELATED TO "TIME"**

- A. Contract time related charges are determined by multiplying the number of calendar days accrued for each time segment by its corresponding time related cost rate and summing the products.
- B. Document accrued time charges per time segment for the duration of the project.
- C. Payments or deductions to the Contractor will be based on the difference between the time related bid amounts and the actual time charges assessed for the completed project.

1. Payment for the incentive will be made in the project accounting system after substantial completion.
2. Deduction for any milestone disincentive will be made on the first progress payment after the total number of calendar days bid for a milestone has passed without completion as defined in Table 1.

D. Incentive

1. The Contractor is eligible for incentive when a milestone is achieved before the number of calendar days bid as determined by the Department.
2. Payment is made at the rate shown in column D for the difference between the number of calendar days bid and the actual number of calendar days used to achieve the milestone when Column E is defined as "User Cost."
3. Payment is made at the rate shown in the schedule of liquidated damages in Section 00555 based on the original contract amount when Column E is defined as "Liquidated Damages."
4. The maximum incentive payment the contractor will be eligible for in Segment 1 will be \$25,000. The maximum incentive payment the contractor will be eligible for in Segment 2 will be \$100,000. The maximum incentive payment for all combined milestones is \$125,000.

E. Disincentive

1. When the time related cost in Column E is defined as "User Cost."
  - a. The Contractor is assessed a disincentive when a milestone is not achieved within the number of calendar days bid as determined by the Department.
  - b. Disincentive is assessed at the rate shown in column D for the difference between the number of calendar days bid and the actual number of calendar days used to achieve the milestone.
  - c. There is no maximum dollar amount for disincentive charges.
  - d. Liquidated damages are charged in addition to disincentive for the difference between the maximum calendar days and the actual number of days to achieve the milestone if milestone completion is not achieved prior to the maximum calendar days shown in Table 1. Refer to Section 00555.

2. When the time related cost in Column E is defined as "Liquidated Damages."
  - a. The Contractor is assessed disincentive at the rate shown in the schedule of liquidated damages in Section 00555 based on the original contract amount.
  - b. Disincentive is assessed for the difference between the number of calendar days bid and the actual number of calendar days used to achieve the milestone.
  - c. Disincentive applies until milestone completion or the maximum calendar days defined in Column G, whichever occurs first.
- F. Liquidated Damages
  1. Liquidated damages are assessed according to Section 00555 for the difference between the number of maximum calendar days from Column G and the actual number of calendar days used to achieve the milestone.
- G. Timeline of Incentive, Disincentive, and Liquidated Damages
  1. Refer to Figure 1

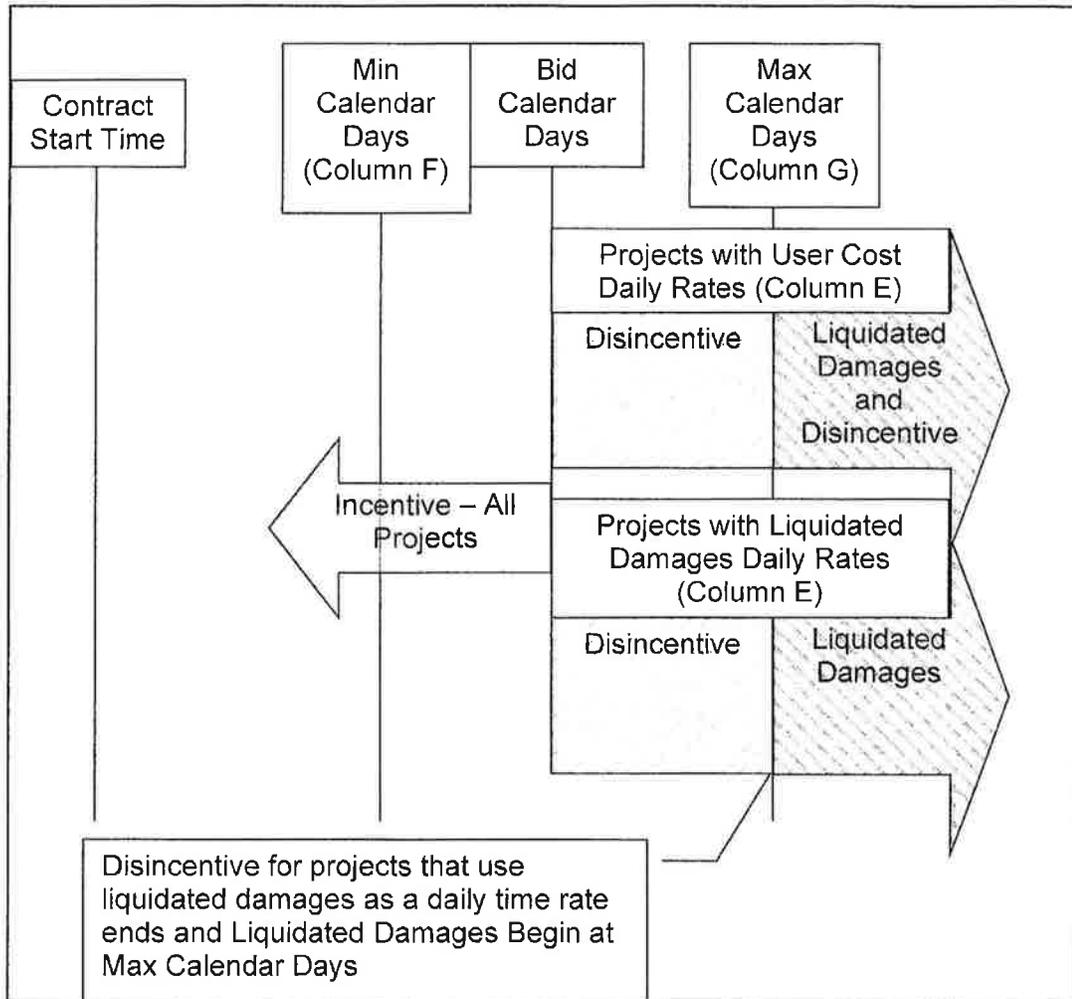


Figure 1 – Timeline of Incentive, Disincentive, and Liquidated Damages

**PART 2      PRODUCTS      Not Used**

**PART 3      EXECUTION      Not Used**

END OF SECTION

October 3, 2016

**SPECIAL PROVISION**

**PROJECT # F-I15-7(309)318**

**PIN # 11092**

**SECTION 01559S**

**HIGHWAY PATROL ASSISTANCE**

**Add Section 01559S:**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Contractual use of off-duty highway patrol troopers to assist with traffic control enforcement and work zone protection.

**1.2 RELATED SECTIONS**

- A. Section 01554: Traffic Control

**1.3 REFERENCES Not Used**

**1.4 DEFINITIONS Not Used**

**1.5 SUBMITTALS**

- A. Submit implementation plan to the Engineer for approval a minimum of seven days in advance of proposed use of highway patrol troopers. The plan will detail locations, times, and description of roadwork being performed for proposed use of highway patrol troopers for work zone protection of traffic lane closures and/or enforcement of Traffic Control.
- B. Utah Highway Patrol (UHP) is to submit an Inter Transfer within Agencies (ITA) request electronically through FINET. They are also to submit a hard copy invoice to the Engineer for signature and routing to Bill Boyer. Invoice should include the following labels and charge coding information:
  - Project Name: 650 North & I-15 Interchange/Intersection
  - Resident Engineer: Craig DeRose
  - Fund: 2800
  - Dept: 810
  - Unit: 7009

App: XEC  
Object: 6135  
Program: 53835  
Phase: 03C

## **1.6 PAYMENT PROCEDURES**

- A. The Department has budgeted 100 hours for highway patrol officer assistance for this project. The Department will pay the UHP directly for all approved use of off-duty highway patrol officers used to assist with protection of the work zone.
- B. Use of off-duty highway patrol officers to control traffic for moving equipment, for flagging or otherwise directing traffic, or to provide traffic slow downs as required in Section 01554 will not be paid under this item and must be included in other items of work.
- C. Include any incidental costs for this item in the Lump Sum price for Traffic Control. (Section 01554).
- D. Contractor will receive a disincentive for failure to provide 24 hours notice to UHP for cancelation of officers in the amount of charge to the Department for each occurrence.

## **PART 2 PRODUCTS Not Used**

## **PART 3 EXECUTION**

### **3.1 TRAFFIC CONTROL OPERATIONS**

- A. Obtain approval of implementation plan from the Engineer prior to the use of off-duty highway patrol officers to assist with traffic control operations.
- B. The number of hours proposed in the implementation plan, and the actual number of hours invoiced shall not exceed the total dollar amount set aside by the Department unless approved by the Engineer.
- C. Coordinate and provide adequate notice to the Department to allow scheduling of troopers.

### **3.2 WHEN USED**

- A. For complete closures as defined in Section 00222S.
- B. As directed by the Engineer.

END OF SECTION

**SUMMARY OF ITEMS**

ITEM	ITEM NUMBER	ITEM	UNIT	QUANTITY	SHEET NUMBER	ITEM	ITEM NUMBER	ITEM	UNIT	QUANTITY	SHEET NUMBER	ITEM	ITEM NUMBER	ITEM	UNIT	QUANTITY	SHEET NUMBER
1	00630001U	ON THE JOB TRAINING	HOUR	400	SM-05	53	027680115	PAVEMENT MESSAGE (PERFORMED THERMOPLASTIC STOP LINE, CROSSWALKS - 12 INCH)	FT	1,401	SM-18	95	16121010*	ROCKY MOUNTAIN POWER CONCRETE PADVAULT SLEEVE	EACH	1	SM-08
2	012850010	MOBILIZATION	LUMP	1	SM-05	54	027710058	CORNER PEDESTRIAN ACCESS RAMP	EACH	7	SM-03	96	028930020	48 INCH OVERHEAD SIGN FOUNDATION	EACH	2	G-533
3	015540005	TRAFFIC CONTROL	LUMP	1	SM-05	55	027710059	PERPENDICULAR/PARALLEL PEDESTRIAN ACCESS RAMP	EACH	3	SM-03	97	02893010P	24 INCH OVERHEAD DUAL CANTILEVER SIGN STRUCTURE	EACH	2	G-533
4	015710030	SILT FENCE	FT	894	SM-08	56	027710086	DETECTABLE WARNING SURFACE	EACH	2	SM-03	98	02635004P	10 INCH X 24 INCH GRATE AND FRAME	EACH	1	R-784
5	015710075	DROP-INLET BARRIER - 18 INCH FIBER ROLL	FT	40	SM-08	57	027760005	CONCRETE GUTTER	FT	30	SM-03	99	02871001*	RETAINING WALL R-784 (EST. QTY 4980 SQ FT EXPOSED FACE)	LUMP	1	R-784
6	015710100	GUTTER INLET BARRIER	EACH	11	SM-08	58	027760008	CONCRETE CURB TYPE B3	FT	204	SM-03	100	02814001*	REESTABLISH EXISTING LANDSCAPE	SQ FT	660	SM-05
7	015720020	DUST CONTROL AND WATERING	1000 GAL	198	SM-05	59	027760010	CONCRETE SIDEWALK	SQ FT	10,812	SM-03	101	02911001P	WOOD FIBER MULCH	1000 SQ FT	33	SM-05
8	018920010	RECONSTRUCT CATCH BASIN	EACH	5	SM-07	60	027760017	CONCRETE CURB TYPE B5	FT	417	SM-03	102	029120010	CONTRACTOR FURNISHED TOPSOIL	SQ YD	3676	SM-05
9	01892003P	RECONSTRUCT UTILITY BOX	EACH	1	SM-06	61	02776001P	CONCRETE CURB TYPE B5 (BACK-TO-BACK)	FT	891	SM-03	103	02922003P	BROADCAST SEED	1000 SQ FT	33	SM-05
10	018920040	RECONSTRUCT VALVE BOX	EACH	6	SM-06	62	027760025	CONCRETE CURB AND GUTTER TYPE B1	FT	1,633	SM-03	104	028420010	DELINEATOR TYPE I	EACH	33	SM-13
11	018920050	RECONSTRUCT MANHOLE	EACH	3	SM-06/07	63	02776002P	MODIFIED CONCRETE CURB TYPE B5	FT	398	SM-03	105	028420030	DELINEATOR - CULVERT MARKER	EACH	3	SM-13
12	020560015	GRANULAR BORROW (PLAN QUANTITY)	CU YD	1649	SM-04	64	027760030	CONCRETE FLATWORK, 4 INCH THICK	SQ FT	5,183	SM-03	106	02891001P	SIGN TYPE A-2, 18 INCH X 18 INCH	EACH	3	SM-13
13	020560060	FREE DRAINING GRANULAR BACKFILL (PLAN QUANTITY)	CU YD	76	SM-08	65	027760035	CONCRETE CURB AND GUTTER TYPE M1	FT	33	SM-03	107	028910028	SIGN TYPE A-1, 12 INCH X 36 INCH	EACH	11	SM-13
14	02075002P	GEOTEXTILES - EROSION CONTROL (PLAN QUANTITY)	SQ YD	50	SM-08	66	027760045	CONCRETE DRIVEWAY FLARED, 7 INCH THICK	SQ FT	758	SM-03	108	02891002P	SIGN TYPE A-1, 18 INCH X 30 INCH	EACH	1	SM-13
15	02075003P	GEOTEXTILES - DRAINAGE (PLAN QUANTITY)	SQ YD	341	SM-08	67	02776004P	CONCRETE CURB AND GUTTER TRANSITION - TYPE A	EACH	1	SM-03	109	02891003P	SIGN TYPE A-1, 24 INCH X 8 INCH	EACH	1	SM-13
16	020820020	RELOCATE WATER METER	EACH	1	SM-06	68	027760050	CONCRETE FLATWORK, 7 INCH THICK	SQ FT	1,104	SM-03	110	028910040	SIGN TYPE A-1, 24 INCH X 12 INCH	EACH	2	SM-13
17	02216001*	POTHOLE UTILITY	EACH	25	SM-05	69	027760055	CONCRETE DRIVEWAY OPEN, 7 INCH THICK	SQ FT	427	SM-03	111	028910045	SIGN TYPE A-1, 24 INCH X 18 INCH	EACH	1	SM-13
18	02221002P	REMOVE BOLLARD	EACH	3	SM-10	70	02776005P	CONCRETE CURB AND GUTTER TRANSITION - TYPE B	EACH	1	SM-03	112	02891004P	SIGN TYPE A-1, 30 INCH X 36 INCH	EACH	5	SM-13
19	022210030	REMOVE CATCH BASIN	EACH	4	SM-07	71	02776006P	CONCRETE CURB AND GUTTER TRANSITION - TYPE C	EACH	1	SM-03	113	02891005P	SIGN TYPE A-1, 30 INCH X 54 INCH	EACH	1	SM-13
20	02221003P	SALVAGE TRAIL KIOSK	EACH	1	SM-10	72	02776007P	CONCRETE CURB AND GUTTER TRANSITION - TYPE D	EACH	2	SM-03	114	028910060	SIGN TYPE A-1, 30 INCH X 30 INCH	EACH	2	SM-13
21	02221004*	ABANDON MONITORING WELL	EACH	10	SM-06	73	02776008P	MODIFIED PLOWABLE END SECTION	EACH	6	SM-03	115	028910065	SIGN TYPE A-1, 36 INCH X 36 INCH	EACH	5	SM-13
22	02221004P	SALVAGE LIGHT POLE	EACH	1	SM-10	74	02776009P	CONCRETE CURB TRANSITION - TYPE E	EACH	1	SM-03	116	02891006P	SIGN TYPE A-1, 48 INCH X 60 INCH	EACH	1	SM-13
23	022210075	REMOVE GUARDRAIL	FT	643	SM-10	75	027760100	PLOWABLE END SECTION	EACH	6	SM-03	117	028910070	SIGN TYPE A-1, 48 INCH X 48 INCH	EACH	1	SM-13
24	022210095	REMOVE PIPE CULVERT	FT	217	SM-07	76	02776010P	CONCRETE CURB AND GUTTER TRANSITION	EACH	2	SM-03	118	028910075	SIGN TYPE A-2	SQ FT	333	SM-13
25	022210110	REMOVE CONCRETE SIDEWALK	SQ YD	418	SM-10	77	027870020	BONDED WEARING COURSE - TYPE B	SQ YD	28,206	SM-04	119	02891008P	SIGN TYPE A-1, 54 INCH X 18 INCH	EACH	8	SM-13
26	022210115	REMOVE CONCRETE DRIVEWAY	SQ YD	174	SM-10	78	02817000*	FIXED BOLLARD	EACH	4	SM-05	120	02891009P	SIGN TYPE A-1, 60 INCH X 54 INCH	EACH	1	SM-13
27	022210120	REMOVE CONCRETE CURB	FT	899	SM-10	79	02817001*	REMOVABLE BOLLARD	EACH	1	SM-05	121	028910103	SIGN TYPE A-2, 24 INCH X 24 INCH	EACH	3	SM-13
28	022210125	REMOVE CONCRETE CURB AND GUTTER	FT	1,321	SM-10	80	02844001P	PRECAST CONCRETE CONSTANT SLOPE HALF BARRIER - 42 INCH	FT	180	SM-04	122	02891010P	SIGN TYPE A-2, 48 INCH X 30 INCH	EACH	3	SM-13
29	022210127	REMOVE CONCRETE SLOPE PROTECTION	SQ YD	538	SM-10	81	02844002P	CAST-IN-PLACE CONCRETE CONSTANT SLOPE HALF BARRIER - 42 INCH TRAILING SLOPED END SECTION	EACH	1	SM-04	123	02891011P	SIGN TYPE A-1, 66 INCH X 30 INCH	EACH	3	SM-13
30	022210165	REMOVE ASPHALT PAVEMENT	SQ YD	3,166	SM-10	82	028440030	CAST-IN-PLACE CONCRETE CONSTANT SLOPE BARRIER - 42 INCH	FT	258	SM-04	124	028910125	SIGN TYPE A-2, 48 INCH X 48 INCH	EACH	4	SM-13
31	022210170	REMOVE PRECAST CONCRETE BARRIER	FT	270	SM-10	83	02844003P	CAST-IN-PLACE CONCRETE CONSTANT SLOPE BARRIER - 54 INCH, TRAILING SLOPED END SECTION TO B5 CURB	EACH	2	SM-04	125	02891013P	SIGN TYPE A-2, 36 INCH X 48 INCH	EACH	1	SM-13
32	02221018P	REMOVE LIGHT POLE FOUNDATION	EACH	1	SM-10	84	02844004P	CAST-IN-PLACE CONCRETE CONSTANT SLOPE BARRIER - 42 INCH, TRAILING SLOPED END SECTION TO B5 CURB	EACH	1	SM-04	126	02891014P	SIGN TYPE A-2, 54 INCH X 60 INCH	EACH	1	SM-13
33	023180020	ROADWAY EXCAVATION (PLAN QUANTITY)	CU YD	7,209	SM-05	85	0284400330	CAST-IN PLACE CONCRETE CONSTANT SLOPE HALF BARRIER - 42 INCH	FT	9	SM-04	127	02891015P	SIGN TYPE A-2, 54 INCH X 72 INCH	EACH	3	SM-13
34	023180010	SMALL DITCH EXCAVATION (PLAN QUANTITY)	CU YD	147	SM-08	86	0284400390	CAST-IN-PLACE CONCRETE CONSTANT SLOPE BARRIER - 54 INCH, TRAILING SLOPED END SECTION	EACH	1	SM-04	128	02891016P	SIGN TYPE A-2, 78 INCH X 48 INCH	EACH	1	SM-13
35	02373001P	LOOSE RIPRAP (PLAN QUANTITY)	CU YD	12	SM-08	87	028440440	CAST-IN-PLACE CONCRETE CONSTANT SLOPE BARRIER - 54 INCH, TL-5	FT	559	SM-04	129	02891018P	SIGN TYPE A-2, 108 INCH X 102 INCH	EACH	1	SM-13
36	02511003*	RELOCATE FIRE HYDRANT	EACH	1	SM-06	88	02844048P	LOW PROFILE CONCRETE BARRIER	FT	550	SM-04	130	02891019P	SIGN TYPE A-2, 48 INCH X 36 INCH	EACH	4	SM-13
37	02610161P	18 INCH - REINFORCED CONCRETE PIPE, IRRIGATION/STORM DRAIN, CLASS C	FT	1,057	SM-08	89	02844049P	TRANSITION	EACH	8	SM-04	131	02891020P	SIGN TYPE A-2, 72 INCH X 42 INCH	EACH	1	SM-13
38	026130030	CULVERT END SECTION 18 INCH	EACH	4	SM-08	90	029810020	ROTOMILLING - 1 INCH	SQ YD	16,349	SM-04	132	028910270	REMOVE SIGN LESS THAN 20 SQUARE FEET	EACH	38	SM-13
39	02622006P	8 INCH DIAMETER PERFORATED HDPE PIPE	FT	299	SM-08	91	029810030	ROTOMILLING - 2 INCH	SQ YD	1,367	SM-04	133	028910275	REMOVE SIGN GREATER THAN OR EQUAL TO 20 SQUARE FEET	EACH	5	SM-13
40	026330030	4 FOOT STANDARD MANHOLE - CB 11	EACH	1	SM-08	92	029810040	ROTOMILLING - 3 INCH	SQ YD	3,930	SM-04	134	028910285	RELOCATE SIGN LESS THAN 20 SQUARE FEET	EACH	5	SM-13
41	026330120	CONCRETE DRAINAGE STRUCTURE 3 FT TO 5 FT DEEP - CB 9	EACH	18	SM-08	93	029810070	ROTOMILLING - 6 INCH	SQ YD	750	SM-04	135	028910290	RELOCATE SIGN GREATER THAN OR EQUAL TO 20 SQUARE FEET	EACH	1	SM-13
42	026330130	CONCRETE DRAINAGE STRUCTURE 5 FT TO 7 FT DEEP - CB 9	EACH	1	SM-08	94	135530025	ONE 3-INCH CONDUIT	FT	35	SM-06	136	028910320	SLIPBASE SIGN BASE (B3)	EACH	51	SM-13
43	027210020	UNTREATED BASE COURSE (PLAN QUANTITY)	CU YD	799	SM-04							137	028910365	SIGN POST P3	EACH	25	SM-13
44	02737001*	PAVEMENT SOFT SPOT REPAIR - TYPE A (CONTINGENCY ITEM)	SQ YD	300	SM-05							138	028910370	SIGN POST P4	EACH	11	SM-13
45	027410050	HMA - 1/2 INCH	TON	2,942	SM-04							139	028910375	SIGN POST P5	EACH	13	SM-13
46	02765003P	REMOVE PAVEMENT MARKING TAPE	FT	5,395	SM-17							140	028910380	T - BRACKET EXTENSION	EACH	14	SM-13
47	027680005	4 INCH PAVEMENT MARKING TAPE - WHITE	FT	8,335	SM-17							141	028910415	POST S6 X 17.25	EACH	2	SM-13
48	027680010	8 INCH PAVEMENT MARKING TAPE - WHITE	FT	5,918	SM-17							142	02892001D	TRAFFIC SIGNAL SYSTEM (SR-126/SR-103)	LUMP	1	SM-05
49	027680015	4 INCH PAVEMENT MARKING TAPE - YELLOW	FT	6,795	SM-17							143	02892002D	TRAFFIC SIGNAL SYSTEM (SR-103/I-15 SB RAMP)	LUMP	1	SM-05
50	02768001P	PAVEMENT MARKNG GROOVE	FT	6,324	SM-17							144	02892003D	TRAFFIC SIGNAL SYSTEM (SR-103/I-15 NB RAMP)	LUMP	1	SM-05
51	02768002P	PAVEMENT MESSAGE (PERFORMED THERMOPLASTIC STOP LINE, CROSSWALKS - 24 INCH)	FT	514	SM-18							145	16525001D	HIGHWAY LIGHTING SYSTEM (I-15 UNDERDECK)	LUMP	1	SM-05
52	027680105	PAVEMENT MESSAGE (PERFORMED THERMOPLASTIC)	EACH	54	SM-18							146	13553001P	ATMS SYSTEM (SR-126/SR-103)	LUMP	1	SM-05
												147	13553002P	ATMS SYSTEM (SR-103/I-15 SB RAMP)	LUMP	1	SM-05
												148	13553003P	ATMS SYSTEM (SR-103/I-15 NB RAMP)	LUMP	1	SM-05

**REVISIONS**

NO.	DATE	APPROVED BY	REMARKS

**UTAH DEPARTMENT OF TRANSPORTATION**  
AVENUE CONSULTANTS

APPROVED: *[Signature]* 11/16/16  
DATE: 11/16/16  
DRAWN BY: MMK  
CHECKED BY: CC

**650 NORTH & I-15 INTERCHANGE/INTERSECTION**  
PROJECT NUMBER: F-115-7(309)318  
PIN: 11092

**SUMMARY**

SHEET NO. SM-01





# Utah Department of Transportation Bidder's Schedule

**Bid Opening Date:** 11/29/2016  
**Project Number:** F-115-7(309)318  
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**Concept:** Intersection Improvements  
**Location:** SR-103; MP .00 - .17 & SR-103; MP .00 - .17

**Region:** REGION 1  
**County:** DAVIS

**Funding:** FEDERAL  
**Bid Items Version#:** 2                      **DBE Goal:** 6.00%

#	Item	Description	Quantity	Unit
<b>10 - ROADWAY</b>				
1	00830001U	On the Job Training	400	hour
2	012850010	Mobilization	1	lump sum
3	01554000*	Traffic Control	1	lump sum
4	015710030	Silt Fence	894	foot
5	015710075	Drop-Inlet Barrier - 18 Inch Fiber Roll	40	foot
6	015710100	Gutter Inlet Barrier	11	each
7	015720020	Dust Control and Watering	198	1000 gallons
8	018920010	Reconstruct Catch Basin	5	each
9	01892003P	Reconstruct Utility Box	1	each
10	018920040	Reconstruct Valve Box	6	each
11	018920050	Reconstruct Manhole	3	each
12	020560015	Granular Borrow (Plan Quantity)	1649	cubic yard
13	020560060	Free Draining Granular Backfill (Plan Quantity)	76	cubic yard
14	02075002P	Geotextiles - Erosion Control (Plan Quantity)	50	square yard
15	02075003P	Geotextiles - Drainage (Plan Quantity)	341	square yard
16	020820020	Relocate Water Meter	1	each
17	02216001*	Pothole Utility	25	each
18	02221002P	Remove Bollard	3	each
19	022210030	Remove Catch Basin	4	each
20	02221003P	Salvage Trail Kiosk	1	each
21	02221004*	Abandon Monitoring Well	10	each
22	02221004P	Salvage Light Pole	1	each
23	022210075	Remove Guardrail	643	foot
24	022210095	Remove Pipe Culvert	217	foot
25	022210110	Remove Concrete Sidewalk	418	square yard
26	022210115	Remove Concrete Driveway	174	square yard
27	022210120	Remove Concrete Curb	699	foot
28	022210125	Remove Concrete Curb and Gutter	1321	foot
29	022210127	Remove Concrete Slope Protection	538	square yard
30	022210165	Remove Asphalt Pavement	3166	square yard
31	022210170	Remove Precast Concrete Barrier	270	foot
32	02221018P	Remove Light Pole Foundation	1	each
33	023160020	Roadway Excavation (Plan Quantity)	7209	cubic yard
34	023180010	Small Ditch Excavation (Plan Quantity)	147	cubic yard
35	02373001P	Loose Riprap (Plan Quantity)	12	cubic yard
36	02511003*	Relocate Fire Hydrant	1	each
37	02610161P	18 Inch - Reinforced Concrete Pipe, Irrigation/Storm Drain, Class C	1057	foot
38	026130030	Culvert End Section 18 inch	4	each
39	02622006P	8 Inch Diameter Perforated HDPE Pipe	299	foot
40	026330030	4 Foot Standard Manhole - CB 11	1	each
41	026330120	Concrete Drainage Structure 3 ft to 5 ft Deep - CB 9	18	each

\*Note: Item numbers ending with "\*" or "P" identify a change to the Standard Specification, Supplemental Specifications or Measurement and payment. Read all related documents carefully.



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**County:** DAVIS

**Funding:** FEDERAL

**Bid Items Version#:** 2

**DBE Goal:**

#	Item	Description	Quantity	Unit
<b>10 - ROADWAY</b>				
42	026330130	Concrete Drainage Structure 5 ft to 7 ft Deep - CB 9	1	each
43	027210020	Untreated Base Course (Plan Quantity)	799	cubic yard
44	02737001*	Pavement Soft Spot Repair - Type A (Contingency Item)	300	square yard
45	027410050	HMA - 1/2 inch	2942	ton
46	02765003P	Remove Pavement Marking Tape	5395	foot
47	027680005	4 inch Pavement Marking Tape - White	8335	foot
48	027680010	8 inch Pavement Marking Tape - White	5918	foot
49	027680015	4 inch Pavement Marking Tape - Yellow	6795	foot
50	02768001P	Pavement Marking Groove	6324	foot
51	02768002P	Pavement Message (Preformed Thermoplastic Stop Line, Crosswalks - 24 inch)	514	foot
52	027680105	Pavement Message (Preformed Thermoplastic)	54	each
53	027680115	Pavement Message (Preformed Thermoplastic Stop Line, Crosswalks - 12 inch)	1401	foot
54	027710058	Corner Pedestrian Access Ramp	7	each
55	027710059	Perpendicular/Parallel Pedestrian Access Ramp	3	each
56	027710086	Detectable Warning Surface	2	each
57	027760005	Concrete Gutter	30	foot
58	027760006	Concrete Curb Type B3	204	foot
59	027760010	Concrete Sidewalk	10812	square foot
60	027760017	Concrete Curb Type B5	417	foot
61	02776001P	Concrete Curb Type B5 (Back-To-Back)	891	foot
62	027760025	Concrete Curb and Gutter Type B1	1633	foot
63	02776002P	Modified Concrete Curb Type B5	398	foot
64	027760030	Concrete Flatwork, 4 inch thick	5183	square foot
65	027760035	Concrete Curb and Gutter Type M1	33	foot
66	027760045	Concrete Driveway Flared, 7 inch Thick	758	square foot
67	02776004P	Concrete Curb and Gutter Transition – Type A	1	each
68	027760050	Concrete Flatwork, 7 inch thick	1104	square foot
69	027760055	Concrete Driveway Open, 7 inch Thick	427	square foot
70	02776005P	Concrete Curb and Gutter Transition – Type B	1	each
71	02776006P	Concrete Curb and Gutter Transition – Type C	1	each
72	02776007P	Concrete Curb and Gutter Transition – Type D	2	each
73	02776008P	Modified Plowable End Section	6	each
74	02776009P	Concrete Curb Transition – Type E	1	each
75	027760100	Plowable End Section	6	each
76	02776010P	Concrete Curb and Gutter Transition	2	each
77	027870020	Bonded Wearing Course - Type B	28206	square yard
78	02817000*	Fixed Bollard	4	each
79	02817001*	Removable Bollard	1	each
80	02844001P	Precast Concrete Constant Slope Half Barrier - 42 Inch	180	foot
81	02844002P	Cast-In-Place Concrete Constant Slope Half Barrier - 42 Inch Trailing Sloped End Section	1	each
82	028440030	Cast-in-Place Concrete Constant Slope Barrier - 42 Inch	258	foot

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**County:** DAVIS

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**DBE Goal:**

#	Item	Description	Quantity	Unit
<b>10 - ROADWAY</b>				
83	02844003P	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Trailing Sloped End Section to B5 Curb	2	each
84	02844004P	Cast-In-Place Concrete Constant Slope Barrier - 42 Inch Trailing Sloped End Section to B5 Curb	1	each
85	028440330	Cast-In-Place Concrete Constant Slope Half Barrier 42 Inch	9	foot
86	028440390	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Trailing Sloped End Section	1	each
87	028440440	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, TL-5	559	foot
88	02844048P	Low Profile Concrete Barrier	550	foot
89	02844049P	Low Profile Concrete Barrier Transition	8	each
90	029610020	Rotomilling - 1 Inch	16349	square yard
91	029610030	Rotomilling - 2 Inch	1367	square yard
92	029610040	Rotomilling - 3 Inch	3930	square yard
93	029610070	Rotomilling - 6 Inch	750	square yard
94	135530025	One 3-Inch Conduit	35	foot
95	16121010*	Rocky Mountain Power Concrete Padvault Sleeve	1	each
<b>20 - STRUCTURES</b>				
Description: G-533				
96	028930020	48 Inch Overhead Sign Foundation	2	each
97	02893011P	24 Inch Overhead Dual Cantilever Sign Structure	2	each
<b>20 - STRUCTURES</b>				
Description: R-784				
98	02635004P	10 inch x 24 inch Grate and Frame	1	each
99	02871001*	Retaining Wall R-784 (Est. Qty 4980 Sq Ft Exposed Face)	1	lump sum
<b>30 - LANDSCAPING</b>				
100	02814001*	Reestablish Existing Landscape	660	square foot
101	02911001P	Wood Fiber Mulch	33	1000 square fee
102	029120010	Contractor Furnished Topsoil	3676	square yard
103	02922003P	Broadcast Seed	33	1000 square fee
<b>40 - SIGNING</b>				
104	028420010	Delineator Type I	33	each
105	028420030	Delineator - Culvert Marker	3	each
106	02891001P	Sign Type A-2, 18 inch X 18 inch	3	each

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**Bid Items Version#:** 2

**DBE Goal:**

#	Item	Description	Quantity	Unit
<b>40 - SIGNING</b>				
107	028910028	Sign Type A-1, 12 Inch X 36 Inch	11	each
108	02891002P	Sign Type A-1, 18 inch X 30 inch	1	each
109	02891003P	Sign Type A-1, 24 inch X 8 inch	1	each
110	028910040	Sign Type A-1, 24 inch X 12 inch	2	each
111	028910045	Sign Type A-1, 24 inch X 18 inch	1	each
112	02891004P	Sign Type A-1, 30 inch X 36 inch	5	each
113	02891005P	Sign Type A-1, 30 inch X 54 inch	1	each
114	028910060	Sign Type A-1, 30 inch X 30 inch	2	each
115	028910065	Sign Type A-1, 36 inch X 36 inch	5	each
116	02891006P	Sign Type A-1, 48 inch X 60 inch	1	each
117	028910070	Sign Type A-1, 48 inch X 48 inch	1	each
118	028910075	Sign Type A-2	333	square foot
119	02891008P	Sign Type A-1, 54 inch X 18 inch	8	each
120	02891009P	Sign Type A-1, 60 inch X 54 inch	1	each
121	028910103	Sign Type A-2, 24 inch x 24 inch	3	each
122	02891010P	Sign Type A-2, 48 inch X 30 inch	3	each
123	02891011P	Sign Type A-1, 66 inch X 30 inch	3	each
124	028910125	Sign Type A-2, 48 inch X 48 inch	4	each
125	02891013P	Sign Type A-2, 36 inch X 48 inch	1	each
126	02891014P	Sign Type A-2, 54 inch X 60 inch	1	each
127	02891015P	Sign Type A-2, 54 inch X 72 inch	3	each
128	02891016P	Sign Type A-2, 78 inch X 48 inch	1	each
129	02891018P	Sign Type A-2, 108 inch X 102 inch	1	each
130	02891019P	Sign Type A-2, 48 inch X 36 inch	4	each
131	02891020P	Sign Type A-2, 72 Inch x 42 Inch	1	each
132	028910270	Remove Sign Less Than 20 Square Feet	38	each
133	028910275	Remove Sign Greater Than or Equal to 20 Square Feet	5	each
134	028910285	Relocate Sign Less Than 20 Square Feet	5	each
135	028910290	Relocate Sign Greater Than or Equal to 20 Square Feet	1	each
136	028910320	Slipbase Sign Base (B3)	51	each
137	028910365	Sign Post P3	25	each
138	028910370	Sign Post P4	11	each
139	028910375	Sign Post P5	13	each
140	028910380	T - Bracket Extension	14	each
141	028910415	Post S6 X 17.25	2	each

## 50 - SIGNALS

142	02892001D	Traffic Signal System (SR-126/SR-103)	1	lump sum
143	02892002D	Traffic Signal System (SR-103/I-15 SB Ramp)	1	lump sum

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**Region:** REGION 1

**County:** DAVIS

**Funding:** FEDERAL

**Bid Items Version#:** 2

**DBE Goal:**

#	Item	Description	Quantity	Unit
<b>50 - SIGNALS</b>				
144	02892003D	Traffic Signal System (SR-103/I-15 NB Ramp)	1	lump sum
<b>60 - LIGHTING</b>				
145	16525001D	Highway Lighting System (I-15 Underdeck)	1	lump sum
<b>70 - ATMS</b>				
146	13553001P	ATMS Systems (SR-126/SR-103)	1	lump sum
147	13553002P	ATMS Systems (SR-103/I-15 SB Ramp)	1	lump sum
148	13553003P	ATMS ( SR-103/I-15 NB Ramp)	1	lump sum
<b>180 - TIME AND/OR LANE RENTAL</b>				
149	00221000*	Time Segment 1	Date Range: 20 - 40	0 day
150	00221001*	Time Segment 2	Date Range: 60 - 110	0 day
151	00222000*	Lane Rental		1 lump sum

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