



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 14, 2016

TO ALL BIDDERS CONCERNED:

SUBJECT:

S-115-1(113)5 / Pin 012780
I-15; Brigham Road to Dixie Drive
Addendum Number: 1

To Whom It May Concern:

We are submitting the following changes to the subject project.

1. The "Table of Contents" has been revised. Special Provision 002893M "Overhead Sign/VMS Structure" has been added.
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. 107, 02893007P "Relocate 30 Inch Overhead Cantilever Sign Structure" item number has been changed to 02893007*.

3. The "Measurement and Payment" has been revised.

Item No. 98, 03412004D "Prestressed Concrete Member 138 ft-2 inch Type UBT82" on page 8 of 12 has been revised with references added to graffiti covers.

Item No. 107, 02893007P "Relocate 30 Inch Overhead Cantilever Sign Structure" on page 9 of 12 has been changed to 02893007*.

4. Special Provision 02893M "Overhead Sign/VMS Structure" has been added.
5. Plan Sheet F-875, Sheet 48, "Aesthetic Details" has been revised: Callouts to clarify where Concrete Coating is applied have been revised.
6. Plan Sheet R-800, Sheet 6, "Wall Details 2 of 2" has been revised. The color schedule has been revised.

Please consider these revisions before submitting your bid.

***** DUE TO THE SIZE ONLY THE COVER LETTER WILL BE E-MAILED OR FAXED. *****

***** 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,



KIM MANWILL
Project Manager

Attach:

State Projects With Full Size Plan Sheets

	<u>Section No.</u>	<u>Title – Type (current date)</u>
1.	00120M	Bidding Requirements and Conditions – Supplemental Specification (02/26/15)
2.	00221S	Bidding Contract Time – Innovative Contracting (P+T) Special Provision (Calendar Day Projects) (07/08/15)
3.	00222S	Lane Rental – Innovative Contracting Special Provision (02/07/11)
4.	00250S	Prebid Conference – Department Special Provision (01/01/12)
5.	00515M	Contract Award and Execution – Construction Special Provision, Innovative Contracting (P+T) Special Provision (02/26/15)
6.	00515M	Contract Award and Execution – Supplemental Specification (02/26/15)
7.	00555M	Prosecution and Progress – Project Special Provision (08/08/16)
8.	00570M	Definitions – Project Special Provision (09/15/16)
9.	00570M	Definitions – Supplemental Specification (10/22/15)
10.	00725M	Scope of Work – Innovative Contracting (P+T) Special Provision (03/12/15)
11.	00727M	Control of Work – Supplemental Specification (10/22/15)
12.	00820M	Legal Relations and Responsibility to the Public – Project Special Provision (08/08/16)
13.	00820M	Legal Relations and Responsibility to the Public – Supplemental Specification (08/27/15)
14.	01282M	Payment – Supplemental Specification (08/27/15)
15.	01315S	Public Information Services – Project Special Provision (10/18/16)
16.	01355M	Environmental Compliance – Supplemental Specification (10/31/13)
17.	01452M	Pavement Smoothness – Supplemental Specification (06/25/15)
18.	01455M	Material Quality Requirements – Materials Special Provision (04/13/16)
19.	01455M	Material Quality Requirements – Supplemental Specification (02/25/16)
20.	01456M	Materials Dispute Resolution – Supplemental Specification (02/28/13)
21.	01554M	Traffic Control – Project Special Provision (08/08/16)
22.	01554M	Traffic Control – Supplemental Specification (11/06/14)
23.	01571M	Temporary Environmental Controls – Project Special Provision (08/08/16)
24.	01571	Temporary Environmental Controls – Supplemental Specification (06/25/15)
25.	01572M	Dust Control and Watering – Project Special Provision (08/08/16)
26.	01721M	Survey – Project Special Provision (08/08/16)
27.	01721	Survey – Supplemental Specification (02/25/16)
28.	01727S	Preconstruction Inspection – Project Special Provision (08/08/16)
29.	02056M	Embankment, Borrow, and Backfill – Project Special Provision (08/08/16)

REVISED 11/10/16

State Projects With Full Size Plan Sheets

30. 02056M Embankment, Borrow, and Backfill – Supplemental Specification (04/30/15)
31. 02072S Geogrid – Sub-Grade Stabilization – Materials Special Provision (03/12/14)
32. 02075M Geotextiles – Project Special Provision (10/17/16)
33. 02075M Geotextiles – Supplemental Specification (04/30/15)
34. 02221M Remove Structure and Obstruction – Project Special Provision (08/08/16)
35. 02229S Temporary Retaining Walls – Project Special Provision (09/06/16)
36. 02316M Roadway Excavation – Project Special Provision (10/17/16)
37. 02316M Roadway Excavation – Supplemental Specification (06/26/14)
38. 02317M Structural Excavation – Supplemental Specification (02/27/14)
39. 02371S Flexible Concrete Block Mat – Project Special Provision (10/17/16)
40. 02373M Riprap – Project Special Provision (10/17/16)
41. 02373M Riprap – Supplemental Specification (06/27/13)
42. 02455M Driven Piles – Project Special Provision (10/13/16)
43. 02466M Drilled Shafts – Project Special Provision (10/24/16)
44. 02467S Jet Grouting – Project Special Provision (09/05/16)
45. 02468S Drilled Shafts for Bridges – Project Special Provision (10/13/16)
46. 02610 Drainage Pipe – Supplemental Specification (02/27/14)
47. 02612S Trenchless Pipe Installation – Project Special Provision (09/14/16)
48. 02621S Core and Grout Connection – Project Special Provision (08/09/16)
49. 02631S Stormwater Treatment Hood – Project Special Provision (09/15/16)
50. 02633M Concrete Drainage Structures – Project Special Provision (08/09/16)
51. 02633M Concrete Drainage Structures – Supplemental Specification (10/22/15)
52. 02645M Precast Concrete Box and Three-Sided Culvert Structures – Supplemental Specification (10/22/15)
53. 02735M Micro-Surfacing – Materials Special Provision (12/16/14)
54. 02737S Soft Spot Repair – Project Special Provision (08/09/16)
55. 02741M Hot Mix Asphalt (HMA) – Materials Special Provision (09/08/14)
56. 02742S Project Specific Surfacing Requirements – Department Special Provision (06/30/15)
57. 02744S Stone Matrix Asphalt (SMA) – Materials Special Provision (06/30/15)
58. 02746M Hydrated Lime – Materials Special Provision (11/14/12)
59. 02748M Prime Coat/Tack Coat – Supplemental Specification (10/22/15)
60. 02761 Longitudinal Rumble Strip – Supplemental Specification (04/30/15)
61. 02765M Pavement Marking Paint – Materials Special Provision (10/05/15)
62. 02765M Pavement Marking Paint – Supplemental Specification (02/26/15)
63. 02768M Pavement Marking Materials – Supplemental Specification (08/29/13)
64. 02776 Concrete Flatwork – Supplemental Specification (02/25/16)
65. 02821M Chain Link Fencing and Gates – Supplemental Specification (02/28/13)

REVISED 11/10/16

State Projects With Full Size Plan Sheets

66. 02822M Right-of-Way Fence and Gate – Supplemental Specification (08/30/12)
67. 02831S Retaining Wall – Alternate Systems – Project Special Provision (08/11/16)
68. 02832S Select Backfill for MSE Walls – Project Special Provision (08/11/16)
69. 02833S MSE Walls Using Concrete Facing Panels and Metal Reinforcing Elements – Project Special Provision (08/11/16)
70. 02834S MSE Walls Using Concrete Facing Panels and Geogrid Reinforcing Elements – Project Special Provision (08/11/16)
71. 02839S Prefabricated Modular Gravity Wall (PMGW) Systems Using Large Modular Block Units – Project Special Provision (08/11/16)
72. 02841M W-Beam Guardrail – Project Special Provision (08/09/16)
73. 02841M W-Beam Guardrail – Supplemental Specification (08/29/13)
74. 02842M Delineators – Project Special Provision (08/09/16)
75. 02843M Crash Cushions and Barrier End Treatments – Supplemental Specification (06/27/13)
76. 02844M Concrete Barrier – Project Special Provision (08/09/16)
77. 02844M Concrete Barrier – Supplemental Specification (10/22/15)
78. 02845M High Tension Cable Barrier – Supplemental Specification (08/27/15)
79. 02890M Retroreflective Sheeting – Supplemental Specification (11/06/14)
80. 02891M Traffic Signs – Supplemental Specification (02/28/13)
81. 02893M Overhead Sign/VMS Structure – Project Special Provision (11/02/16)
82. 02893M Overhead Sign/VMS Structure – Supplemental Specification (08/30/12)
83. 02913S Rock Mulch – Project Special Provision (08/09/16)
84. 02924S Invasive Weed Control – Department Special Provision (02/28/13)
85. 02931M Pole Plantings/Willow Cuttings – Project Special Provision (09/13/16)
86. 02961M Rotomilling – Project Special Provision (08/09/16)
87. 03055M Portland Cement Concrete – Project Special Provision (02/01/16)
88. 03055M Portland Cement Concrete – Supplemental Specification (10/22/15)
89. 03211M Reinforcing Steel and Welded Wire – Supplemental Specification (10/25/12)
90. 03310M Structural Concrete – Supplemental Specification (10/22/15)
91. 03311M Joint Closure – Supplemental Specification (10/22/15)
92. 03339S Precast Concrete Deck Panel – Project Special Provision (09/06/16)
93. 03372S Thin Bonded Polymer Overlay – Project Special Provision (10/24/16)
94. 03373S Polyester Concrete Overlay – Project Special Provision (09/05/16)
95. 03390 Concrete Curing – Supplemental Specification (10/22/15)
96. 03393M Concrete Healer/Sealer – Supplemental Specification (08/30/12)
97. 05120M Structural Steel – Supplemental Specification (08/30/12)

REVISED 11/10/16

State Projects With Full Size Plan Sheets

- 98. 06055M Timber and Timber Treatment – Supplemental Specification (08/30/12)
- 99. 13551M General ATMS Requirements – ATMS Special Provision (06/27/13)
- 100. 13551M General ATMS Requirements – Supplemental Specification (04/25/13)
- 101. 13553M ATMS Conduit – Project Special Provision (09/14/16)
- 102. 13553M ATMS Conduit – Supplemental Specification (10/22/15)
- 103. 13554M Polymer Concrete Junction Box – Supplemental Specification (10/22/15)
- 104. 13555M ATMS Cabinet – ATMS Special Provision (06/27/13)
- 105. 13555M ATMS Cabinet – Supplemental Specification (08/27/15)
- 106. 13556M Closed Circuit Television (CCTV) Assembly – Supplemental Specification (08/27/15)
- 107. 13559M Non-Intrusive Detector (NID) System – Supplemental Specification (08/27/15)
- 108. 13561M ATMS Power Service – ATMS Special Provision (06/27/13)
- 109. 13594M Fiber Optic Communication – Supplemental Specification (10/22/15)



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Page 1
08:54:15 AM

Item #	Bid Item Number	Bid Item Name	UOM
1	01285001P	Mobilization	lump sum
		<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</p> <p>Includes all costs associated with Railroad Flagging, inspection, and cleanup crew according to Section 00725.</p>	<p>When Paid</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>
2	01315001*	Public Information Services	lump sum
		<p>Includes all costs associated with maintaining the existing drip irrigation system along Pioneer Road as per Section 00555M. Includes all costs associated with environmental mitigation measures as per Section 00555M</p> <p>25% of bid item amount paid with first estimate. Remaining portion of bid item paid as a percentage of the contract completed with each subsequent estimate.</p>	
3	01554001*	Traffic Control	lump sum
		<p>Amount Paid</p> <p>25% of the bid item amount with first estimate Remaining portion of bid item paid as a percentage of the contract completed with each subsequent estimate.</p> <p>Includes the cost to provide, install, and maintain variable message boards (VMS). Includes furnishing, placing, maintaining and removing fixed signs. Includes temporary barrier. Includes temporary asphalt pavement as needed. Includes all costs associated with Utah Highway Patrol as per Section 01554M.</p>	
4	01571002*	Check Dam - 12 Inch Fiber Roll	foot
		<p>Measured along centerline of fiber roll</p> <p>Includes installing, moving, or relocating fiber roll as needed for construction activities or as directed by Engineer to maintain a properly protected site throughout the duration of project.</p>	
5	01571007*	Drop-Inlet Barrier - 12 Inch Fiber Roll	each
		<p>Includes installing, moving, or relocating fiber roll as needed for construction activities or as directed by Engineer to maintain a properly protected site throughout the duration of project.</p>	
6	01571008*	Inlet Barrier	each
		<p>Includes installing, moving, or relocating inlet barrier as needed for construction activities or as directed by Engineer to maintain a properly protected site throughout the duration of project.</p>	
7	01571009*	Fiber Roll - 12 Inch	foot
		<p>Measured along centerline of fiber roll.</p> <p>Includes installing, moving, or relocating fiber roll as needed for construction activities or as directed by Engineer to maintain a properly protected site throughout the duration of project.</p>	
8	01571010*	Gutter Inlet Barrier	each
		<p>Includes installing, moving, or relocating gutter inlet barrier as needed for construction activities or as directed by Engineer to maintain a properly protected site throughout the duration of project.</p>	
9	01571014*	Straw Bale Barrier	foot
		<p>Straw bale barrier deemed unusable by Engineer when it is being moved or relocated from one site to another will be replaced with new straw bale barrier. Straw bales damaged by Contractor are replaced at no cost to the Department. Measured along centerline of bales</p> <p>Includes installing, moving, and/or relocating straw bale barrier as needed or directed by Engineer, based on the phasing and sequencing of construction activities. Moving and relocating the same straw bales on the same side of the active or relocated river channel is incidental to the payment of the original straw bale barrier. Straw bale barrier placed on the opposite side of the active or relocated river channel will be paid for as new straw bale barrier.</p>	
10	015710155	Environmental Control Supervisor	lump sum
		<p>Amount Paid</p> <p>25% of the bid item amount Remaining portion of bid item paid as a percentage of the contract completed</p>	<p>When Paid</p> <p>With first estimate With each subsequent estimate</p>
11	017210010	Survey	lump sum
		<p>25% of the bid item amount A total of 40% of bid item amount A total of 75% of bid item amount</p>	<p>When the project is 5% complete When the project is 10% complete When the project is 50% complete</p>



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Item #	Bid Item Number	Bid Item Name	UOM
		A total or 90% of bid item amount	
		When the project is 75% complete	
		The Department retains the remaining 10 percent of bid item amount until the project is completed and the red-lined hard copy plan set showing as-constructed features denoting changes from the original design is provided to the Engineer and verified complete.	
12	01727001*	Preconstruction Inspection	lump sum
		Includes all materials, labor, and equipment necessary to complete the preconstruction inspection as per Section 01727S.	
13	01892001P	Reconstruct Catch Basin	each
		Includes new grate and frame (per UDOT Std Dwg), and all other materials and labor needed to raise catch basin grate and frame to grade.	
14	01892005P	Reconstruct Manhole	each
		Includes new cover and frame (use bolt down cover where called out in plans), concrete collar in paved areas, and all other materials and labor needed to raise manhole frame and cover to grade.	
15	020560015	Granular Borrow (Plan Quantity)	cubic yard
		In final position	
16	02075002*	Geotextiles - Erosion Control (Plan Quantity)	square yard
		Measurement does not include overlaps	
		Plan quantity includes geotextile edges folded up along edges of riprap, as shown in plans.	
17	022210025	Remove Manhole	each
18	02221003P	Remove Catch Basin	each
		For median drop inlets: Includes removal of pipe riser.	
19	022210050	Remove Tree	each
20	022210075	Remove Guardrail	foot
		Includes posts, end treatments, transition elements, and anchorages	
21	022210080	Remove Fence	foot
		Includes all line posts, brace posts, and foundations	
22	022210095	Remove Pipe Culvert	foot
23	022210170	Remove Precast Concrete Barrier	foot
24	022210180	Remove Cast-In-Place Concrete Barrier	foot
		Includes removal of Portland Cement Concrete Pavement (PCCP) under cast-in-place barrier.	
25	02221020*	Remove Cable Barrier	foot
		Includes cable, posts, anchorages, and all other elements and appurtenances.	
		Includes maintaining stability of remaining cable barrier system outside limits of removal.	
		Includes salvaging cable barrier posts and hardware to UDOT Maintenance Station.	
26	02221030*	Remove Wall	foot
		Includes wall, foundation, appurtenances, and backfill.	
27	02221040*	Abandon Storm Drain Pipe	foot
		Includes flowable fill, end caps/plugs, and removal of ends of pipe as needed.	
28	02316002*	Roadway Excavation (Plan Quantity)	cubic yard
		Includes removal of existing delineators within the roadway excavation limits.	
		Includes salvaging Shur-Tite delineators to UDOT.	
		Includes excavation, hauling, grading, placement, erosion protection, and seeding for any excess material wasted on the roadway side slopes (see Section 00555M for additional information).	
		Includes removal and clearing of vegetation within excavation limits.	



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Page 3
08:54:15 AM

Item #	Bid Item Number	Bid Item Name	UOM
29	02316003*	River Excavation (Plan Quantity) Plan quantity was calculated assuming a 1:1 temporary excavation slope for buried riprap. Additional excavation needed for de-watering or temporary channel relocation is incidental to River Excavation (Plan Quantity), but is not included in the calculated plan quantity. Includes all excavation (including temporary) needed for riprap placement, compacted backfill and final grading in Virgin River area, as detailed in the plans. Includes temporary stockpiling or wasting of excess material offsite. Includes temporary channel relocation, coffer dams, and de-watering needed for riprap placement.	cubic yard
30	02318001P	Small Ditch Excavation (Plan Quantity) Includes excavation needed for riprap placement below finished surface of riprap. Includes excavation for ditches as shown in plans.	cubic yard
31	02371000*	Flexible Concrete Block Mat (Plan Quantity) Measurement does not include overlaps. Plan quantity includes a 2 foot key-in along outside edges, as shown in plans. Includes all geotextile fabrics, erosion control blankets, granular bedding, anchoring devices, key-ins, excavation needed for key-ins, and all other materials and labor needed to install Flexible Concrete Block Mat per manufacturer's recommendations and as detailed in the plans.	square yard
32	02373001P	Loose Riprap (Plan Quantity) Calculated using the in-place surface area and specified thickness.	cubic yard
33	02373005*	Voidless Riprap (Plan Quantity) Calculated using the in-place surface area, specified thickness, and sections included in the plans. Includes riprap placement and jetting material into voids of riprap to produce voidless riprap. Includes all other labor, equipment and materials needed to place and produce voidless riprap.	cubic yard
34	02467000*	Jet Grouted Column, 48 Inch All labor, equipment, and materials required to install the jet grouted columns. Replacement of existing riprap, if disturbed, is incidental to this item.	foot
35	02610126P	54 Inch Culvert, Reinforced Concrete, Class C A. Measured along centerline of pipe B. Trench excavation, pipe bedding and backfill as shown in the Standard 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.	foot
36	026101386	18 Inch Irrigation/Storm Drain, Class C, smooth A. Measured along centerline of pipe B. Trench excavation, pipe bedding and backfill as shown in the Standard 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.	foot
37	026101388	24 Inch Irrigation/Storm Drain, Class C, smooth A. Measured along centerline of pipe B. Trench excavation, pipe bedding and backfill as shown in the Standard 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.	foot
38	02612001*	54 Inch Culvert, Direct Jacking Concrete Pipe, Class C A. Measured along centerline of pipe B. Includes all equipment, materials, and labor for trenchless pipe installation, including but not limited to: geotechnical investigation, bore pits, shoring, pipe materials, etc. C. Outside of trenchless installation, trench excavation, pipe bedding and backfill as shown in the Standard Drawings are incidental to construction and no separate payment will be made. D. Connections to drainage structures or features are incidental to construction and no separate payment will be made. E. No separate payment will be made for required inspection and testing.	foot
39	026130030	Culvert End Section 18 inch	each
40	026130040	Culvert End Section 24 inch	each
41	026140040	Salvage and Relay Culvert End Section	each
42	02621000*	Core and Grout Connection Includes all labor, equipment, and materials necessary to core and grout new pipes to existing drainage structures as per Section 02621S.	each
43	02631000*	Stormwater Treatment Hood	each



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Page 4
08:54:15 AM

Item #	Bid Item Number	Bid Item Name	UOM
		Includes fasteners, anchors, siphon prevention vent, and any other materials and labor required to install a complete Stormwater Treatment Hood.	
44	02633003*	5 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.	
45	02633005*	6 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, cover and frame, manhole steps, and any other items required in standard drawings.	
		B. Includes locating existing buried manhole/junction box, removing and replacing portions of existing pipes as needed for connections to existing system, and all other labor, equipment, and materials needed to perform work, as noted/called out on DR-04.	
		C. 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.	
		D. 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.	
		E. The Department will make no separate payment for testing upon failure of visual inspection.	
46	02633010*	9 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.	
47	02633012*	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 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.	
48	02633013*	Concrete Drainage Structure 5 ft to 7 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 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.	
49	02633014*	Concrete Drainage Structure 7 ft to 9 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 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.	
50	02633015*	Concrete Drainage Structure Greater Than 11 Ft Deep	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	



Measurement and Payment

Project # S-115-1(113)5

11/14/2016

Page 5
08:54:15 AM

Item #	Bid Item Number	Bid Item Name	UOM
		(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.	
51	02633016*	Concrete Drainage Structure, 4 Ft x 6 Ft Combo Box	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, manhole cover and frames (use bolt down cover), manhole steps, collars, and any other items required in approved drawings. B. Includes submittal of stamped working drawings and incidental engineering work by a registered Utah P.E., per note 6 on DR-01. C. 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. D. 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. E. The Department will make no separate payment for testing upon failure of visual inspection.	
52	02633020*	Concrete Drainage Structure Diversion Box - DB 3, W=6 Ft x 6 Ft	each
		A. Consists of all necessary materials required to make a complete drainage structure including but not limited to the following: Concrete, reinforcing steel, cover and frame (use bolt down cover where called out in plans), manhole steps, and any other items required in standard drawings. Includes replacing portions of existing pipes as needed for connections to existing system, and all other labor, equipment, and materials needed to perform work. 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.	
53	027210020	Untreated Base Course (Plan Quantity)	cubic yard
54	02735001*	Micro-Surfacing	square yard
		Includes all labor, equipment, and material necessary to install micro-surfacing as per plans and specifications. Overlapping micro-surfacing on rumble strips for double coverage up to 2' maximum width is measured and paid separately. Measure top width of rumble strip plus 4' x length for area.	
55	02737001*	Asphalt Soft Spot Repair - Contingent Item	ton
		Includes all labor, materials and equipment incidental to the Soft Spot Repair. Including traffic control, 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. Asphalt 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.	
56	02737002*	Untreated Base Course Soft Spot Repair - Contingent Item	cubic yard
		Includes all labor, materials and equipment incidental to the Soft Spot Repair. Including traffic control, roadway excavation, hauling, disposal of excavated material, placement, compaction, and untreated base course. Estimated quantities are based on preliminary field review for bidding purposes only. Actual quantities needed for repair will be determined by the Engineer. Untreated Base Course 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.	
57	02737003*	Borrow Soft Spot Repair - Contingent Item	cubic yard
		Includes all labor, materials and equipment incidental to the Soft Spot Repair. Including traffic control, roadway excavation, disposal of excavated material, hauling, placement, compaction, and borrow or other materials as approved by the Engineer. Includes the cost of Geogrid, Type 2 and all materials and equipment necessary to install. Includes Dust Control and Watering as per Section 01572. Estimated quantities are based on preliminary field review for bidding purposes only. Actual quantities needed for repair will be determined by the Engineer. Borrow 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.	
58	02741005*	HMA - 1/2 inch	ton
		Includes aggregates, asphalt binder, hydrated lime, tack coat, and other additives, etc.	
59	02744000*	SMA - 1/2 Inch	ton
		Includes aggregates, asphalt binder, hydrated lime, tack coat, mineral cellulose fiber, mineral filler and other additives, etc.	
60	02761002P	Longitudinal Rumble Strip - Asphalt	foot
		Includes CSS-1h for flush coat. Measured length includes grind areas and gaps between grind sequences.	
61	027610035	Continuous Longitudinal Rumble Strip - Asphalt	foot
		Includes CSS-1h for flush coat.	



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Page 6
08:54:15 AM

Item #	Bid Item Number	Bid Item Name	UOM
62	02776004P	Concrete Flatwork, 6 inch Thick Includes excavation and untreated base course. Includes reinforcing steel and cutoff walls as detailed in the plans. See sheet DT-10.	square foot
63	028210038	6 ft Chain Link Fence, Type IV Measured parallel to the ground along the fence. Includes line posts, less openings.	foot
64	028220020	Right-of-Way Fence, Type B (Metal Post) Measured parallel to the ground along the fence including line posts, less openings.	foot
65	02842002*	Delineator Type II Includes removal and disposal of existing delineators. Includes maintenance markers.	each
66	02843003P	End Treatment Type G Includes all crash cushion markings, marker posts and plates, object markers, mounting hardware, untreated base course and pad. Includes all labor, materials, and equipment to grade, roll, and compact the median for the transition to the crash cushion and barrier, as per sheet GR-01	each
67	02844003*	Cast-in-Place Concrete Constant Slope Barrier - 42 Inch Includes barrier reflectors. See BA Series, Standard Drawing BA 3A1.	foot
68	02844033*	Cast-In-Place Concrete Constant Slope Half Barrier 42 Inch Includes barrier reflectors. See BA Series Standard Drawings.	foot
69	02844037*	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Stepped Median Barrier Includes barrier reflectors. See sheet DT-02 and BA Series Standard Drawings.	foot
70	02844038*	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Approach End Section Includes barrier reflectors. See BA Series Standard Drawings.	each
71	02844046*	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Bridge Parapet Transition Includes barrier reflectors and rigid plastic foam. See BA Series Standard Drawings.	each
72	02844050*	Cast-In-Place Concrete Constant Slope Barrier - 42 Inch, 32 Inch New Jersey Shape Transition Includes barrier reflectors. See sheet DT-07.	each
73	02844057*	Modified Cast-In-Place Concrete Constant Slope Half Barrier 42 Inch Includes barrier reflectors. See sheet DT-04.	foot
74	02844058*	Cast-In-Place Concrete Constant Slope Half Barrier - 42 Inch, Bridge Parapet Transition Includes barrier reflectors. See sheet DT-03.	each
75	02844059*	Cast-In-Place Concrete Constant Slope Half Barrier 42 Inch, Transition Includes barrier reflectors. See Sheet DT-06.	each
76	02844072*	Cast-In-Place Conc Constant Slope Barrier-54 Inch, Sign Str Foundtn. Transition, Stpd Median Barrier Includes barrier reflectors and closure slab. Does not include sign structure or high mast lighting foundation. See sheets DT-08 and DT-09.	foot
77	02844075*	Double Barrier Transition Includes barrier reflectors. See sheet DT-05.	each
78	02844090*	Move and Reset Precast Concrete Barrier Includes removing and resetting precast concrete barrier as per BA Series Standard Drawings. Includes barrier reflectors, as directed by Engineer.	foot
79	02961002*	Rotomilling - 1 1/2 Inch	square yard



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Item #	Bid Item Number	Bid Item Name	UOM
		Calculated from length multiplied by the average finished width of rotomilled surface	
80	02963001P	Profile Rotomilling	square yard
		Calculated from length multiplied by the average finished width of rotomilled surface. Includes all materials, labor, and equipment to complete profile rotomilling. Includes string line or survey needed to correct the profile deficiencies and tie into the existing pavement or structure, as per plan sheets DT-11, GR-04, and GR-05.	
81	03575001P	Flowable Fill - Contingent Item	cubic yard
		Includes all labor, materials, and equipment required to place the flowable fill, as directed by the Engineer. Estimated quantity is for bidding purposes only. Actual quantity needed will be determined by the Engineer. Flowable fill may be reduced, deleted, or increased beyond the bid quantity listed in the contract. Actual quantity placed will be paid at the contract unit price.	
82	03373000*	Place Polyester Concrete Overlay	square foot
		Includes cost for all materials, equipment, labor, manufacturer's representative, and all incidental items necessary to install the polyester concrete overlay and High Molecular Weight Methacrylate (HMWM) resin primer. Includes surface preparation, including removal of existing thin bonded polymer overlay, and grinding of the existing receiving surface necessary to place the polyester concrete overlay to the finished grades and the minimum thickness shown in the plans. Includes as incidental items: (1) All environmental controls used to prevent concrete grinding slurry from entering drainage and storm systems, (2) all costs associated with constructing and disposing of trial overlays and base, (3) replacement of overlay areas not in compliance with the contract, (4) hot poured elastomeric joint seal material, and (5) polymer overlay repair, if required. Includes cost for surveying used to establish variable depth overlay finished grade elevations.	
83	03373001*	Furnish Polyester Concrete	square foot
		Includes all materials, equipment, labor, and incidentals for furnishing polyester concrete. Includes high molecular weight methacrylate (HMWM) resin primer and materials for trial overlays.	
84	058320020	Expansion Joint Modification	foot
		A. Includes all labor, equipment, and materials required to modify existing expansion joint. B. Measured from out-to-out of deck along the skew of the individual joints. C. The Department will make no separate payment for required inspection and testing.	
85	020560025	Granular Backfill Borrow (Plan Quantity)	cubic yard
		In final position	
86	020560060	Free Draining Granular Backfill (Plan Quantity)	cubic yard
87	02221001*	Remove Bridge	each
		Includes removal of bridge substructure to the limits shown on the plans and in Special Provision 02221M.	
88	02229001*	Temporary Retaining Wall	lump sum
		Includes design calculation, shop drawings and all materials, equipment, and labor necessary to complete and remove (to 4' below finished grade) the required temporary retaining walls during construction.	
89	02455000*	Pile Pre-Drilling	foot
		Includes all materials, equipment, labor, and all incidental items necessary to pre-drill or pre-auger for H-piles.	
90	024550010	Pile Driving Equipment	lump sum
		A. Payment made in two increments. 1. Sixty percent paid at the time the pile driving equipment is moved into location. 2. Forty percent paid after all piles have been driven and the pile driving equipment is removed from project location. B. Include all fixed costs related to Driven Piles in this item.	
91	02455004D	Driven Piles HP 14 X 117	foot
		A. The price will be full compensation for all work and materials, including pile-driving tips. B. A maximum of one additional splice per pile will be measured and paid as additional length of pile only when the required length of pile driven exceeds the estimated length shown on the drawings by at least six feet. Additional splices determined as such will be paid as an additional equivalent length of pile of three feet each. C. Department will not pay separately for down time for dynamic testing equipment installation.	
92	02468000*	Drilled Shafts, 84 inch	foot
		Includes all labor, equipment, materials, placing concrete underwater, testing, casings, reinforcing steel, concrete, forms, rebar couplers, slurry, and rebar shop drawings.	
93	03211001P	Reinforcing Steel - Coated (Plan Quantity)	pound
		A. Do not include the mass of the coating or the specified test bars as computed weight.	



Measurement and Payment

Project # S-I15-1(113)5

11/10/2016

Item #	Bid Item Number	Bid Item Name	UOM
		B. Department will not make allowances for extra reinforcing steel required to provide lap splices that are requested by the Contractor. C. Department will not make allowances for clips, chairs, wire, or other materials used for fastening reinforcement in place. D. Includes mechanical couplers.	
94	03310001D	Structural Concrete (Est. Lump Qty: 4387.8 cu yd)	lump sum
		A. Do not use contract lump sum bid amounts as exact quantities. The plans show estimated quantities only. B. Measure quantities by the dimensions shown when the contract provides measurement per cubic yard. C. Use the prismatic formula when the method of average end areas is not sufficiently accurate. D. Do not measure concrete required to fill over breakage of excavation for footings, walls, or slabs. E. Department will not deduct for volume occupied by pipes (other than culverts), reinforcing steel, piles, metal grillage, anchors, conduits, or weep holes. F. Department will pay for reinforcing steel for structures separately, unless otherwise noted. G. Department will pay separately for concrete placed in individual structures containing less than eight cubic yards at the bid price per cubic yard for Concrete, Small Structure. H. Department will make no separate payment for excavation for structures. I. Department will adjust prices as follows when the Contract provides for concrete structures as a lump sum: 1. If the Engineer increases or decreases the quantity of concrete: a. Unit price will be determined by dividing the contract lump sum price of that item by the estimated quantity of concrete shown on the plans. b. The contract lump sum price will be adjusted by an amount equal to the product of the change in quantity and computed unit price. 2. If the estimated quantity of concrete as shown is in error by more than 10 percent: a. The contract lump sum price will be increased or decreased by an amount equal to the product of the unit price determined in accordance with number 1 above. J. Includes approach slab drain grates, and frames. K. Includes butyl rubber sheets, rigid plastic foam, and joint filler.	
95	03339001*	Precast Concrete Deck Panel	square foot
		A. Includes all items required to complete this item according to the contract, including labor, materials, and equipment. Includes manufacturing, furnishing, and placement of all precast concrete deck panels. B. Includes repair for defects and breakage of precast elements.	
96	03372001*	Thin Bonded Polymer Overlay, Type I	square foot
		Includes the cost of the two part polymer resin, aggregate, labor, and incidental items required to install the Thin Bonded Polymer Overlay. This also includes the cost for any repairs that are needed in compliance with the warranty letter.	
97	033920010	Penetrating Concrete Sealer	square foot
		Of surface covered	
98	03412004D	Prestressed Concrete Member 138 ft- 2 inch Type UBT82	each
		Includes all materials, equipment, and labor necessary for fabrication, delivery, and erection of prestressed concrete members. Includes all materials, equipment, and labor necessary for fabrication and installation of bearings, bearing plates, graffiti covers (painted per Section 09972 and as shown in plans), and intermediate diaphragms. Average length for all girders provided.	
99	058320010	Expansion Joint	foot
		A. Includes all labor, equipment, and materials required to install new expansion joint. B. Measured from out-to-out of deck along the skew of the individual joints. C. The Department will make no separate payment for required inspection and testing.	
100	09981001P	Concrete Coating	lump sum
		Includes all labor, equipment, and materials necessary to apply color as shown in the plans. Estimated Concrete Coating Qty: 27,010 sq ft	
101	165260010	Electrical Work Bridges	lump sum
102	028930025	60 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.	
103	02893010P	30 Inch Overhead Double-Mast Span-Type Sign Structure	each



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Page 9
08:54:15 AM

Item #	Bid Item Number	Bid Item Name	UOM
		Includes sign mounting brackets. Includes all materials, equipment, labor, and incidental items necessary to provide and install the overhead sign structure as specified in the contract. Includes all work associated with development, review, and verification of shop drawings and overhead sign structural design items.	
104	02221009*	Remove Overhead Sign Structure	each
		Includes: A. All appurtenances and connections. B. Signs. C. Removal of foundation to 2 feet below finished grade and backfill.	
105	028930025	60 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.	
106	02893006P	30 Inch Overhead Cantilever Sign Structure	each
		Includes sign mounting brackets. Includes all materials, equipment, labor, and incidental items necessary to provide and install the overhead sign structure as specified in the contract. Includes all work associated with development, review, and verification of shop drawings and overhead sign structural design items.	
107	02893007*	Relocate 30 Inch Overhead Cantilever Sign Structure	each
		Includes all materials, equipment, labor, sign mounting brackets, and incidental items necessary to relocate and install existing overhead sign structure as shown in the plans. Includes all work associated with development, review, and verification of shop drawings and overhead sign structural design items. Includes inspection of existing overhead sign structure elements before installing on new foundation.	
108	028930015	42 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.	
109	02893007P	18 Inch Overhead Butterfly Sign Structure	each
		Includes mounting brackets. Includes all materials, equipment, labor, and incidental items necessary to provide and install the overhead sign structure as specified in the contract. Includes all work associated with development, review, and verification of shop drawings and overhead sign structural design items.	
110	03310001P	54 Inch Reinforced Concrete Headwall (Est. Structural Concrete Qty: 8.7 cu yd)	each
		Item includes all materials to construct the headwall A. Department will make no separate payment for excavation for structures. B. Department will make no separate payment for Structural Concrete or Reinforcing Steel. C. Includes the coating on all bars. D. Department will not make allowances for extra reinforcing steel required to provide lap splices that are requested by the Contractor. E. Department will not make allowances for clips, chairs, wire, or other materials used for fastening reinforcement in place. Includes all costs for demolition and removal of existing headwall.	
111	02831001*	MSE Retaining Wall R-800 (Est. Lump Qty: 9205 sq ft)	lump sum
		Quantities represent exposed face of wall. Vertical and horizontal wall embedments are not included in wall quantity and are incidental to the retaining wall pay item. Formliner and coloring are incidental to this item.	
112	02839001*	Prefabricated Modular Gravity Wall R-801 (Est. Lump Qty: 3558 sq ft)	lump sum
		Quantities represent exposed face of wall. Vertical and horizontal wall embedments are not included in wall quantity and are incidental to the retaining wall pay item. Wall coloring, geotextile, perforated drain pipe, select material for prefabricated modular gravity wall, and free draining granular backfill are all incidental to this item.	
113	023760020	Flexible Channel Liner	square yard
		Measurement does not include overlaps.	
114	02912005P	Strip, Stockpile, and Spread Topsoil	1000 square feet
115	02913000*	Rock Mulch	1000 square feet



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Item #	Bid Item Number	Bid Item Name	UOM
		Includes all materials, equipment, and labor necessary to place rock mulch as shown in the plans and special provision. Includes Weed Barrier Geotextiles, including all materials, equipment, and labor necessary to remove existing ground cover and place weed barrier geotextile as shown in the project plans and special provision. Includes excavation necessary along edges of rock mulch to install rock mulch flush with adjacent ground surfaces. Calculated using the in-place surface area.	
116	02922003P	Broadcast Seed (Floodplain Mix) Includes wood fiber mulch and tackifier.	1000 square feet
117	02922004P	Broadcast Seed Includes wood fiber mulch and tackifier.	1000 square feet
118	02931001*	Cottonwood Pole Planting Includes only local cottonwood cuttings.	each
119	02931002*	Willow Cutting	each
120	027650040	Remove Pavement Message	each
		A. Measure each letter or single arrow as one pavement message. B. Measure two-headed arrows as two pavement messages. C. Unauthorized removals will not be paid for.	
121	027650050	Pavement Marking Paint	gallon
122	027680105	Pavement Message (Preformed Thermoplastic)	each
		Measurement A. Letter = one message B. Arrow = one message C. Multi-headed arrow = one message per arrow D. School crossbars = one message per 24 inch x 10 ft bar E. Crosswalk = two message per lane and two messages per shoulder F. Stop Bar = one message per lane and one message per shoulder G. Railroad crossing markings = seven messages per lane 1. R = one message each (two required) 2. X = two messages 3. Transverse Bar = one message each (two required) 4. Stop Bar = one message H. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.	
123	028910070	Sign Type A-1, 48 inch X 48 inch Includes frame or mounting bar as required in SN Series Standard Drawings.	each
124	028910075	Sign Type A-2 Non Standard size signs. Includes frame or mounting bar as required in SN Series Standard Drawings.	square foot
125	02891020P	Sign Type A-2, 12 Inch x 24 Inch Includes frame or "Z" bar as required in SN Series Standard Drawings.	each
126	028910270	Remove Sign Less Than 20 Square Feet	each
127	028910275	Remove Sign Greater Than or Equal to 20 Square Feet	each
128	028910285	Relocate Sign Less Than 20 Square Feet Includes removal and disposal of existing concrete sign base.	each
129	028910290	Relocate Sign Greater Than or Equal to 20 Square Feet Includes removal and disposal of existing concrete sign base.	each
130	02891030P	Small Sign Tubular Steel Post Base (B2A) (Triangular Steel Anchor System) Includes installation of socket, wedge, and concrete foundation as required by SN Series Standard Drawings.	each
131	028910345	Sign Post Base (B6A) for Standard Pipe Posts Includes incline base, installation of concrete foundation, and hardware to mount base to post as required by SN Series Standard Drawings.	each



Measurement and Payment

Project # S-I15-1(113)5

11/14/2016

Page 11
08:54:15 AM

Item #	Bid Item Number	Bid Item Name	UOM
132	028910350	Sign Post Base (B6B) For S Section Steel Posts	each
Includes base, installation of concrete foundation, and hardware to mount base to post as required by SN Series Standard Drawings.			
133	028910360	Sign Post P2	each
Includes post and all hardware to mount sign to post as required by SN Series Standard Drawings.			
134	028910420	Post S8 X 18.4	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.			
135	028910450	Post 4 Inch Standard Pipe	each
Includes post, inclined post to base connection plate, and all hardware to mount sign to post as required by SN Series Standard Drawings.			
136	028910455	Post 5 Inch Standard Pipe	each
Includes post, base to post connection plate, fuse and splice plates, and all hardware to mount sign to post as required by SN Series Standard Drawings.			
137	02891050P	Relocate Sign Panel	each
Includes all labor, equipment, and materials to relocate the sign panel as per sheet SS-05.			
138	13551020P	Relocate Existing Power Conductors	lump sum
Includes materials, labor, and equipment necessary to relocate and provide operational power conductors.			
139	135530015	One 2-Inch Conduit	foot
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.			
140	135530025	One 3-Inch Conduit	foot
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.			
141	135530040	2D Conduit	foot
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.			
142	13553005P	2D Conduit (2-Inch)	foot
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.			
143	135540020	Polymer Concrete Junction Box, Tier 22, Type I	each
In place. Includes backfill, flowable fill, maintenance markers, conduit plugs, grounding materials, concrete collar, bolts expansion joint material, grout, and a locate ball or disk.			
144	135540030	Polymer Concrete Junction Box, Tier 22, Type II	each
In place. Includes backfill, flowable fill, maintenance markers, conduit plugs, grounding materials, concrete collar, bolts expansion joint material, grout, and a locate ball or disk.			
145	135540040	Polymer Concrete Junction Box, Tier 22, Type III	each



Measurement and Payment

Project # S-115-1(113)5

11/14/2016

Page 12
08:54:15 AM

Item #	Bid Item Number	Bid Item Name	UOM
		In place. Includes backfill, flowable fill, maintenance markers, conduit plugs, grounding materials, concrete collar, bolts expansion joint material, grout, and a locate ball or disk.	
146	13556020P	Relocate Existing CCTV / NID Site	lump sum
		Includes labor, equipment, and materials necessary to relocate and provide a fully operational CCTV system / NID Site.	
147	135940070	24 Strand SMFO Cable	foot
		Includes all materials, equipment, labor, labeling, and testing necessary to provide a fully operational system.	
148	13594010P	Relocate Existing 72 Strand SMFO Cable	lump sum
		Includes all materials, equipment, labor, labeling, and testing necessary to provide a fully operational system.	
149	135940130	Fusion Splice	each
		Includes all fusion splicing as specified in the contract, materials, equipment, labor, labeling, coordination, documentation, testing, and incidental items necessary to provide a fully operational system.	
150	135940150	Type B Splice Enclosure	each
		Furnish and install.	
151	13594020P	6 Strand Pre-Terminated Drop Cable Unit	foot
		Includes connectors and 6 strand fan-out kit.	

November 2, 2016

SPECIAL PROVISION

**PROJECT # S-I15-1(113)5
PIN # 12780**

SECTION 02893M

OVERHEAD SIGN/VMS STRUCTURE

Delete Article 1.1, paragraph A and replace with the following:

- A. Materials and procedures for installing and relocating Structure G-418B.

Add the following to Article 3.1:

- E. Inspect existing Structure G-418B for any cracks, deformations, failure of galvanized finish (corrosion), and any other sign of distress or damage. Do not install the sign structure on the new foundation until the Engineer reviews the findings and approves the installation.
 - 1. Use dye penetrant to inspect for cracks at welded connections, bends, and shop splices.
 - 2. If deficiencies are found, submit a mitigation plan to the Engineer for approval.

Add the following to Article 3.3:

- J. Do not re-use any of the existing anchor bolts, sign connection hardware, or associated nuts and washers from existing Structure G-418B.
- K. Provide new connection hardware at splice locations if mast arm and post from Structure G-418B are disassembled during structure relocation.



Utah Department of Transportation Bidder's Schedule

Bid Opening Date: 12/6/2016
Project Number: S-I15-1(113)5
PIN Description: I-15; Brigham Road to Dixie Drive
Concept: Widen Existing Facility
Location: I-15; MP 4.49 - 5.78

Region: REGION 4
County: WASHINGTON

Funding: STATE
Bid Items Version#: 2

#	Item	Description	Quantity	Unit
10 - ROADWAY				
1	01285001P	Mobilization	1	lump sum
2	01315001*	Public Information Services	1	lump sum
3	01554001*	Traffic Control	1	lump sum
4	01571002*	Check Dam - 12 Inch Fiber Roll	378	foot
5	01571007*	Drop-Inlet Barrier - 12 Inch Fiber Roll	1	each
6	01571008*	Inlet Barrier	2	each
7	01571009*	Fiber Roll - 12 Inch	5154	foot
8	01571010*	Gutter Inlet Barrier	54	each
9	01571014*	Straw Bale Barrier	1473	foot
10	015710155	Environmental Control Supervisor	1	lump sum
11	017210010	Survey	1	lump sum
12	01727001*	Preconstruction Inspection	1	lump sum
13	01892001P	Reconstruct Catch Basin	1	each
14	01892005P	Reconstruct Manhole	3	each
15	020560015	Granular Borrow (Plan Quantity)	13943	cubic yard
16	02075002*	Geotextiles - Erosion Control (Plan Quantity)	10996	square yard
17	022210025	Remove Manhole	1	each
18	02221003P	Remove Catch Basin	11	each
19	022210050	Remove Tree	8	each
20	022210075	Remove Guardrail	1649	foot
21	022210080	Remove Fence	4629	foot
22	022210095	Remove Pipe Culvert	792	foot
23	022210170	Remove Precast Concrete Barrier	1344	foot
24	022210180	Remove Cast-In-Place Concrete Barrier	484	foot
25	02221020*	Remove Cable Barrier	2593	foot
26	02221030*	Remove Wall	256	foot
27	02221040*	Abandon Storm Drain Pipe	456	foot
28	02316002*	Roadway Excavation (Plan Quantity)	21415	cubic yard
29	02316003*	River Excavation (Plan Quantity)	23900	cubic yard
30	02318001P	Small Ditch Excavation (Plan Quantity)	9942	cubic yard
31	02371000*	Flexible Concrete Block Mat (Plan Quantity)	1661	square yard
32	02373001P	Loose Riprap (Plan Quantity)	10632	cubic yard
33	02373005*	Voidless Riprap (Plan Quantity)	4155	cubic yard
34	02467000*	Jet Grouted Column, 48 Inch	10157	foot
35	02610126P	54 Inch Culvert, Reinforced Concrete, Class C	45	foot
36	026101386	18 Inch Irrigation/Storm Drain, Class C, smooth	2558	foot
37	026101388	24 Inch Irrigation/Storm Drain, Class C, smooth	702	foot
38	02612001*	54 Inch Culvert, Direct Jacking Concrete Pipe, Class C	222	foot
39	026130030	Culvert End Section 18 inch	1	each
40	026130040	Culvert End Section 24 inch	4	each
41	026140040	Salvage and Relay Culvert End Section	1	each

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Bid Opening Date: 12/6/2016
Project Number: S-I15-1(113)5
PIN Description: I-15; Brigham Road to Dixie Drive
Concept: Widen Existing Facility
Location: I-15; MP 4.49 - 5.78

Region: REGION 4
County: WASHINGTON

Funding: STATE

Bid Items Version#: 2

#	Item	Description	Quantity	Unit
10 - ROADWAY				
42	02621000*	Core and Grout Connection	2	each
43	02631000*	Stormwater Treatment Hood	7	each
44	02633003*	5 Foot Standard Manhole - CB 11	5	each
45	02633005*	6 Foot Standard Manhole - CB 11	1	each
46	02633010*	9 Foot Standard Manhole - CB 11	1	each
47	02633012*	Concrete Drainage Structure 3 ft to 5 ft Deep - CB 9	25	each
48	02633013*	Concrete Drainage Structure 5 ft to 7 ft Deep - CB 9	10	each
49	02633014*	Concrete Drainage Structure 7 ft to 9 ft Deep - CB 9	2	each
50	02633015*	Concrete Drainage Structure Greater Than 11 Ft Deep	2	each
51	02633016*	Concrete Drainage Structure, 4 Ft x 6 Ft Combo Box	4	each
52	02633020*	Concrete Drainage Structure Diversion Box - DB 3, W=6 Ft x 6 Ft	2	each
53	027210020	Untreated Base Course (Plan Quantity)	9961	cubic yard
54	02735001*	Micro-Surfacing	107125	square yard
55	02737001*	Asphalt Soft Spot Repair - Contingent Item	100	ton
56	02737002*	Untreated Base Course Soft Spot Repair - Contingent Item	100	cubic yard
57	02737003*	Borrow Soft Spot Repair - Contingent Item	200	cubic yard
58	02741005*	HMA - 1/2 inch	18041	ton
59	02744000*	SMA - 1/2 Inch	3765	ton
60	02761002P	Longitudinal Rumble Strip - Asphalt	8608	foot
61	027610035	Continuous Longitudinal Rumble Strip - Asphalt	11775	foot
62	02776004P	Concrete Flatwork, 6 inch Thick	14252	square foot
63	028210038	6 ft Chain Link Fence, Type IV	3812	foot
64	028220020	Right-of-Way Fence, Type B (Metal Post)	207	foot
65	02842002*	Delineator Type II	4	each
66	02843003P	End Treatment Type G	2	each
67	02844003*	Cast-in-Place Concrete Constant Slope Barrier - 42 Inch	501	foot
68	02844033*	Cast-In-Place Concrete Constant Slope Half Barrier 42 Inch	5016	foot
69	02844037*	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Stepped Median Barrier	3594	foot
70	02844038*	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Approach End Section	1	each
71	02844046*	Cast-In-Place Concrete Constant Slope Barrier - 54 Inch, Bridge Parapet Transition	3	each
72	02844050*	Cast-In-Place Concrete Constant Slope Barrier - 42 Inch, 32 Inch New Jersey Shape Transition	2	each
73	02844057*	Modified Cast-In-Place Concrete Constant Slope Half Barrier 42 Inch	1042	foot
74	02844058*	Cast-In-Place Concrete Constant Slope Half Barrier - 42 Inch, Bridge Parapet Transition	4	each
75	02844059*	Cast-In-Place Concrete Constant Slope Half Barrier 42 Inch, Transition	2	each
76	02844072*	Cast-In-Place Conc Constant Slope Barrier-54 Inch, Sign Str Foundtn. Transition,	273	foot
77	02844075*	Stpd Median Barrier Double Barrier Transition	1	each
78	02844090*	Move and Reset Precast Concrete Barrier	419	foot
79	02961002*	Rotomilling - 1 1/2 Inch	4271	square yard
80	02963001P	Profile Rotomilling	3903	square yard
81	03575001P	Flowable Fill - Contingent Item	35	cubic yard

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#	Item	Description	Quantity	Unit
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20 - STRUCTURES

Description: F-806R

82	03373000*	Place Polyester Concrete Overlay	5640	square foot
83	03373001*	Furnish Polyester Concrete	5640	square foot
84	058320020	Expansion Joint Modification	332	foot

20 - STRUCTURES

Description: F-875

85	020560025	Granular Backfill Borrow (Plan Quantity)	870	cubic yard
86	020560060	Free Draining Granular Backfill (Plan Quantity)	330	cubic yard
87	02221001*	Remove Bridge	2	each
88	02229001*	Temporary Retaining Wall	1	lump sum
89	02455000*	Pile Pre-Drilling	1300	foot
90	024550010	Pile Driving Equipment	1	lump sum
91	02455004D	Driven Piles HP 14 X 117	4108	foot
92	02468000*	Drilled Shafts, 84 inch	880	foot
93	03211001P	Reinforcing Steel - Coated (Plan Quantity)	1034048	pound
94	03310001D	Structural Concrete(Est. Lump Qty: 4387.8 cu yd)	1	lump sum
95	03339001*	Precast Concrete Deck Panel	31200	square foot
96	03372001*	Thin Bonded Polymer Overlay, Type I	70123	square foot
97	033920010	Penetrating Concrete Sealer	26510	square foot
98	03412004D	Prestressed Concrete Member 138 ft- 2 inch Type UBT82	42	each
99	058320010	Expansion Joint	358	foot
100	09981001P	Concrete Coating	1	lump sum
101	165260010	Electrical Work Bridges	1	lump sum

20 - STRUCTURES

Description: G-540

102	028930025	60 Inch Overhead Sign Foundation	2	each
103	02893010P	30 Inch Overhead Double-Mast Span-Type Sign Structure	1	each

20 - STRUCTURES

Description: G-541

104	02221009*	Remove Overhead Sign Structure	1	each
105	028930025	60 Inch Overhead Sign Foundation	2	each
106	02893006P	30 Inch Overhead Cantilever Sign Structure	1	each
107	02893007*	Relocate 30 Inch Overhead Cantilever Sign Structure	1	each

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#	Item	Description	Quantity	Unit
20 - STRUCTURES				
Description: G-542				
108	028930015	42 inch Overhead Sign Foundation	1	each
109	02893007P	18 Inch Overhead Butterfly Sign Structure	1	each
20 - STRUCTURES				
Description: H-2726				
110	03310001P	54 Inch Reinforced Concrete Headwall (Est. Structural Concrete Qty: 8.7 cu yd)	2	each
20 - STRUCTURES				
Description: R-800				
111	02831001*	MSE Retaining Wall R-800(Est. Lump Qty: 9205 sq ft)	1	lump sum
20 - STRUCTURES				
Description: R-801				
112	02839001*	Prefabricated Modular Gravity Wall R-801(Est. Lump Qty: 3558 sq ft)	1	lump sum
30 - LANDSCAPING				
113	023760020	Flexible Channel Liner	2470	square yard
114	02912005P	Strip, Stockpile, and Spread Topsoil	97	1000 square fee
115	02913000*	Rock Mulch	56	1000 square fee
116	02922003P	Broadcast Seed (Floodplain Mix)	94	1000 square fee
117	02922004P	Broadcast Seed	199	1000 square fee
118	02931001*	Cottonwood Pole Planting	39	each
119	02931002*	Willow Cutting	221	each
40 - SIGNING				
120	027650040	Remove Pavement Message	22	each
121	027650050	Pavement Marking Paint	520	gallon
122	027680105	Pavement Message (Preformed Thermoplastic)	60	each
123	028910070	Sign Type A-1, 48 inch X 48 inch	3	each
124	028910075	Sign Type A-2	2142	square foot
125	02891020P	Sign Type A-2, 12 Inch x 24 Inch	2	each
126	028910270	Remove Sign Less Than 20 Square Feet	7	each
127	028910275	Remove Sign Greater Than or Equal to 20 Square Feet	9	each
128	028910285	Relocate Sign Less Than 20 Square Feet	1	each

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40 - SIGNING				
129	028910290	Relocate Sign Greater Than or Equal to 20 Square Feet	5	each
130	02891030P	Small Sign Tubular Steel Post Base (B2A) (Triangular Steel Anchor System)	2	each
131	028910345	Sign Post Base (B6A) for Standard Pipe Posts	5	each
132	028910350	Sign Post Base (B6B) For S Section Steel Posts	2	each
133	028910360	Sign Post P2	2	each
134	028910420	Post S8 X 18.4	2	each
135	028910450	Post 4 Inch Standard Pipe	3	each
136	028910455	Post 5 Inch Standard Pipe	2	each
137	02891050P	Relocate Sign Panel	1	each

70 - ATMS

138	13551020P	Relocate Existing Power Conductors	1	lump sum
139	135530015	One 2-Inch Conduit	1499	foot
140	135530025	One 3-Inch Conduit	20	foot
141	135530040	2D Conduit	683	foot
142	13553005P	2D Conduit (2-Inch)	2493	foot
143	135540020	Polymer Concrete Junction Box, Tier 22, Type I	3	each
144	135540030	Polymer Concrete Junction Box, Tier 22, Type II	1	each
145	135540040	Polymer Concrete Junction Box, Tier 22, Type III	6	each
146	13556020P	Relocate Existing CCTV / NID Site	1	lump sum
147	135940070	24 Strand SMFO Cable	984	foot
148	13594010P	Relocate Existing 72 Strand SMFO Cable	1	lump sum
149	135940130	Fusion Splice	124	each
150	135940150	Type B Splice Enclosure	1	each
151	13594020P	6 Strand Pre-Terminated Drop Cable Unit	145	foot

180 - TIME AND/OR LANE RENTAL

152	00221000*	Contract Time	Date Range: 250 - 340	0	day
153	00222000*	Lane Rental		1	lump sum

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