



Mark Gordon
Governor

WYOMING Department of Transportation

"Provide a safe and effective transportation system"

5300 Bishop Boulevard, Cheyenne, Wyoming 82009-3340



Darin J. Westby, P.E.
Director

May 4, 2026

ADDENDA 1

For the
Letting of May 14, 2026

NHPPI-I801192 &
ARSCT-I801A01 CB
I-80 Truck Parking
(Evanston East)
Uinta County

TO WHOM IT MAY CONCERN:

Please remove and replace the following:

- Index.
- SP-100DF.
- SP-600LU
- S1, S22, S25 & E51.
- Bid Item Sheets.

The Proposal has been updated with some bid item quantity changes. You may need to input new unit prices for these changed items.

Please add the following:

- SP-100DQ.
- SS-700F

These sheets are attached to email recipients.

Please examine the new information carefully and use it in the preparation of your bid.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Douglas Jensen', with a stylized flourish at the end.

J. Douglas Jensen, P.E.
Contracts and Estimates Engineer

Call Order: 001
Bid Opening Date: May 14, 2026
Bid Items Version#: 001
County: Uinta
District: DISTRICT 3
Completion Date: October 31, 2028
Contract Number: I801192
Projects: NHPPI-I801192 & ARSCT-I801A01
Contract Name: I-80 Truck Parking (Evanston East)
Work Type: Electrical Work, New Construction, Surfacing
Resident Engineer: Brad McCullough, P.E., Rock Springs (307)352-3036 (Lead); Clint Lockman, P.E., Rock Springs (307)352-3039
Project Description: Truck parking areas and off road vehicle trail; Involving excavation, placing road base and concrete pavement, installing sheet piling, roadway lighting system, and signing on I-80 beginning at RM 6.68 east of Evanston in Uinta County.

NHPPI-I801192: 5 - ROADWAY

#	Item	Description	Quantity	Unit
1	105.09010	CONTRACTOR SURVEYING	1.000	LS
2	106.05200	CONTRACTOR TESTING	1.000	LS
3	109.04000	FORCE ACCOUNT WORK	20,000.000	\$\$
4	109.08000	MOBILIZATION	1.000	LS
5	202.03120	REMOVAL OF SIGNS (Est. Lump Qty: 35 EA)	1.000	LS
6	202.03130	REMOVAL OF SIGN STRUCTURES	1.000	LS
7	202.03170	REMOVAL OF GUARDRAIL	216.000	FT
8	202.03205	REMOVAL OF FENCE	8,600.000	FT
9	202.03310	MILLING PLANT MIX	3,860.000	CY
10	202.03415	REMOVAL OF CONCRETE PAVEMENT	4,870.000	SY
11	202.03460	REMOVAL OF CONCRETE (Est. Lump Qty: 178 SY)	1.000	LS
12	203.02500	UNCLASSIFIED EXCAVATION	146,000.000	CY
13	207.03100	TOPSOIL STORING	33,200.000	CY
14	207.03200	TOPSOIL PLACING	29,100.000	CY
15	209.01000	WATER	8,900.000	MG

#	Item	Description	Quantity	Unit
16	210.03200	BULLDOZER	8.000	HR
17	210.03300	MOTOR GRADER	8.000	HR
18	211.03315	CULVERT CLEANING	54.000	EA
19	215.01000	CONTRACTOR STORM WATER CONTROL	1.000	LS
20	216.03100	SEEDING (PLS)	950.000	LB
21	216.03120	FERTILIZER TYPE I	1,860.000	LB
22	216.03900	DRY MULCH	93.000	TON
23	216.03910	EROSION CONTROL BLANKET	30,800.000	SY
24	216.03973	WETLAND CONSTRUCTION	1.000	LS
25	217.01025	GEOTEXTILE, MATERIAL SEPARATION (NON-WOVEN)	12,000.000	SY
26	217.01069	BIAXIAL GEOGRID (STIFF)	157,000.000	SY
27	301.01065	BED COURSE MATERIAL	1,270.000	CY
28	301.01085	CRUSHED BASE	81,000.000	CY
29	414.01050	CONCRETE PVMT (10 in)	158,000.000	SY
30	504.11274	STEEL PILING HP 12 X 74	145.000	FT
31	504.11417	STEEL PILING HP 14 X 117	99.000	FT
32	504.11616	STEEL SHEET PILING (SM 16.0)	253.000	SF
33	506.01030	DRILLED SHAFT FOUNDATIONS 30 in	765.000	FT
34	506.01036	DRILLED SHAFT FOUNDATIONS 36 in	18.000	FT
35	506.01048	DRILLED SHAFT FOUNDATIONS 48 in	423.000	FT
36	511.06000	MACHINE-PLACED RIPRAP	90.000	CY
37	603.50012	CMP 12 in	48.000	FT
38	603.50018	CMP 18 in	346.000	FT
39	603.50024	CMP 24 in	656.000	FT
40	603.50036	CMP 36 in	36.000	FT
41	603.50042	CMP 42 in	214.000	FT
42	603.50048	CMP 48 in	154.000	FT

#	Item	Description	Quantity	Unit
43	603.52018	CMP FE SECT 18 in	2.000	EA
44	603.52024	CMP FE SECT 24 in	5.000	EA
45	603.52036	CMP FE SECT 36 in	1.000	EA
46	603.52042	CMP FE SECT 42 in	3.000	EA
47	603.52048	CMP FE SECT 48 in	2.000	EA
48	603.60071	CMP ARCH 71 X 47 in	36.000	FT
49	603.71010	PIPE COLLARS	20.000	CY
50	606.05000	BOX BEAM GUARDRAIL	1,272.000	FT
51	606.05012	BOX BEAM GUARDRAIL END ANCH TYPE II	9.000	EA
52	606.05016	BOX BEAM TERMINAL (EATT)	9.000	EA
53	607.20200	FENCE TYPE B (WOOD POSTS)	4,500.000	FT
54	607.30200	FENCE TYPE B (METAL POSTS)	210.000	FT
55	607.50400	FENCE BARRIER	27,300.000	FT
56	607.50900	FENCE-WING (WOOD POSTS)	250.000	FT
57	607.51100	FENCE TEMPORARY	4,100.000	FT
58	607.80100	BRACE PANELS	130.000	EA
59	607.90100	END PANELS	40.000	EA
60	609.10120	SPECIAL CURB TYPE X	4,000.000	FT
61	625.10300	MANHOLE TYPE C	1.000	EA
62	625.30100	INLET TYPE M1	30.000	EA
63	640.00004	SPECIAL ITEM EA-A (INSTALL RESTROOM BUILDING)	6.000	EA
64	640.00005	SPECIAL ITEM EA-B (BOLLARD)	204.000	EA
65	640.00010	SPECIAL ITEM CY-A (LIGHTWEIGHT CELLULAR CONCRETE)	22,505.000	CY
66	640.00019	SPECIAL ITEM SF-A (SHEET PILING SM 18)	45,761.000	SF
67	640.00020	SPECIAL ITEM SF-B (SHEET PILING SM 48)	93,375.000	SF
68	701.20600	REMOVE PULL BOX	40.000	EA
69	702.09100	STL OVERHEAD SIGN SUPPORT (Est. Lump Qty: 86,800 LB)	1.000	LS

#	Item	Description	Quantity	Unit
70	702.09400	STL BREAK-AWAY SIGN SUPPORT W6 X 15	150.000	FT
71	702.09600	STL BREAK-AWAY SIGN SUPPORT W10 X 26	136.000	FT
72	702.09700	STL BREAK-AWAY SIGN SUPPORT W14 X 30	36.000	FT
73	702.10100	LARGE REFERENCE MARKERS	7.000	EA
74	702.10200	LARGE REFERENCE MARKER PANELS	7.000	EA
75	702.30105	SIGN POSTS, WOOD 4 X 6 in	40.000	FT
76	702.30110	SIGN POSTS, WOOD 6 X 6 in	1,200.000	FT
77	702.30115	SIGN POSTS, WOOD 6 X 8 in	330.000	FT
78	702.30300	SIGN POST, SQ TUBULAR STL	42.000	EA
79	702.30450	SIGN PANELS, EXTRUDED ALUMINUM	1,847.000	SF
80	702.30500	SIGN PANELS, ALUMINUM	1,189.000	SF
81	702.30600	RESET SIGNS (Est. Lump Qty: 8 EA)	1.000	LS
82	702.51010	FLEXIBLE DELINEATORS, TYPE II	590.000	EA
83	702.51030	FLEXIBLE DELINEATORS, TYPE IV	20.000	EA
84	702.51040	FLEXIBLE DELINEATORS, TYPE V	28.000	EA
85	703.03110	TEMPORARY TRAFFIC CONTROL	1.000	LS
86	703.03200	SEQUENTIAL CHEVRON	1.000	LS
87	703.03210	PORTABLE VARIABLE MESSAGE SIGN	2.000	EA
88	799.71810	EPOXY PAVEMENT LINE 4 in	87,000.000	FT
89	799.71815	EPOXY PAVEMENT LINE 8 in	16,700.000	FT

NHPPI-I801192: 15 - STRUCTURES

#	Item	Description	Quantity	Unit
90	109.08000	MOBILIZATION	1.000	LS
91	206.03300	CULVERT SUBEXCAVATION	110.000	CY
92	209.01000	WATER	5.000	MG
93	212.03900	PERVIOUS BACKFILL MATERIAL	10.000	CY

#	Item	Description	Quantity	Unit
94	215.01000	CONTRACTOR STORM WATER CONTROL	1.000	LS
95	217.01069	BIAXIAL GEOGRID (STIFF)	340.000	SY
96	301.01030	CRUSHER RUN SUBBASE	110.000	CY
97	502.11212	PRECAST BOX CULVERTS 12 X 12 ft	48.000	FT
98	900.60000	CONTRACTOR QUALITY CONTROL (CONCRETE)	1.000	LS

NHPPI-I801192: 30 - 513.00005 - CLASS A CONCRETE - LUMP SUM

Description: CODE 14

#	Item	Description	Quantity	Unit
99	513.00010	CLASS A CONCRETE CODE 14 (STR) - M-IYE-C	74.500	CY

NHPPI-I801192: 30 - 513.00005 - CLASS A CONCRETE - LUMP SUM

Description: CODE 21

#	Item	Description	Quantity	Unit
100	513.00010	CLASS A CONCRETE CODE 21	7.000	CY

NHPPI-I801192: 45 - 514.00015 - REINFORCING STEEL - LUMP SUM

#	Item	Description	Quantity	Unit
101	514.00020	REINFORCING STEEL (STR) - M-IYE-C	7,740.000	LB

NHPPI-I801192: 73 - 701.29800 - ELECTRICAL CONDUCTORS - LUMP SUM

#	Item	Description	Quantity	Unit
102	701.28995	SINGLE CONDUCTOR WIRE THWN #4/0 AWG	8,500.000	FT
103	701.29000	SINGLE CONDUCTOR WIRE #3/0 AWG	2,900.000	FT
104	701.29010	SINGLE CONDUCTOR WIRE #2/0 AWG	3,050.000	FT
105	701.29030	SINGLE CONDUCTOR WIRE #1 AWG	3,050.000	FT
106	701.29040	SINGLE CONDUCTOR WIRE #2 AWG	6,000.000	FT
107	701.2904F	SINGLE CONDUCTOR WIRE #3 AWG	3,650.000	FT
108	701.29050	SINGLE CONDUCTOR WIRE #4 AWG	3,200.000	FT

#	Item	Description	Quantity	Unit
109	701.29060	SINGLE CONDUCTOR WIRE #6 AWG	13,550.000	FT
110	701.29070	SINGLE CONDUCTOR WIRE #8 AWG	77,700.000	FT
111	701.2908B	TRACER CONDUCTOR WIRE #10 AWG	32,250.000	FT
112	701.29090	SINGLE CONDUCTOR WIRE #12 AWG	2,550.000	FT
113	701.31800	LIGHTING CABLE 3 CONDUCTOR #12 AWG	2,745.000	FT
114	701.3700A	COMMUNICATIONS CABLE	950.000	FT
115	701.3800E	CAT5e ETHERNET CABLE	300.000	FT
116	701.8210A	FIBER OPTIC CABLE	550.000	FT

NHPPI-I801192: 75 - 701.70000 - FLASHING BEACON SYSTEM - LUMP SUM

#	Item	Description	Quantity	Unit
117	701.12300	CONDUIT BORING	700.000	FT
118	701.17120	CONDUIT-RIGID PVC 2 in	1,000.000	FT
119	701.17130	CONDUIT-RIGID PVC 3 in	100.000	FT
120	701.20100	PULL BOX TYPE A	2.000	EA
121	701.20200	PULL BOX TYPE B	6.000	EA
122	701.21300	SERVICE POINT SIGNAL	3.000	EA
123	701.2132B	REMOVE SOLAR ARRAY	1.000	EA
124	701.25600	REMOVE POLE FOUNDATION	1.000	EA
125	701.7070B	REMOVAL OF FLASHING BEACON SYSTEM	1.000	EA
126	701.8110B	REMOVE AND REINSTALL CABINET	2.000	EA
127	701.8110C	ITS CABINET FOOTING	2.000	EA
128	701.8950A	REMOVE VARIABLE SPEED LIMIT SIGN	4.000	EA
129	701.8950B	INSTALL VARIABLE SPEED LIMIT SIGN	3.000	EA

NHPPI-I801192: 85 - 701.73000 - ROADWAY LIGHTING SYSTEM - LUMP SUM

#	Item	Description	Quantity	Unit
130	701.12300	CONDUIT BORING	4,900.000	FT
131	701.17120	CONDUIT-RIGID PVC 2 in	20,850.000	FT
132	701.17130	CONDUIT-RIGID PVC 3 in	3,800.000	FT
133	701.20100	PULL BOX TYPE A	79.000	EA
134	701.20200	PULL BOX TYPE B	11.000	EA
135	701.21100	SERVICE POINT LIGHTING	6.000	EA
136	701.21310	SERVICE POINT PEDESTAL	6.000	EA
137	701.24060	STL POLE TYPE VI	57.000	EA
138	701.2407B	HIGHMAST LIGHTING STANDARD	4.000	EA
139	701.2407E	REMOVE & REINSTALL HIGH MAST LIGHTING STANDARD	7.000	EA
140	701.2407G	HIGHMAST STANDARD CONCRETE PAD	11.000	EA
141	701.24400	INSTALL LIGHTING POLE	19.000	EA
142	701.24410	HIGHMAST LOWERING DEVICES	4.000	EA
143	701.2441A	REMOVE HIGHMAST LOWERING DEVICES	10.000	EA
144	701.24420	HIGHMAST LIGHTING CONTROL CABINET	4.000	EA
145	701.2442B	REMOVE & REINSTALL HIGH MAST LIGHTING CONTROL CABINET	7.000	EA
146	701.2442C	HIGHMAST CABINET CONCRETE PAD	11.000	EA
147	701.24600	REMOVE LIGHTING POLE	19.000	EA
148	701.25600	REMOVE POLE FOUNDATION	19.000	EA
149	701.40100	CONNECTOR KIT - FUSED I	77.000	EA
150	701.62100	ROADWAY LUMINAIRE	62.000	EA
151	701.6210C	HIGHMAST LUMINAIRE	24.000	EA
152	701.6210E	REMOVE & REINSTALL HIGHMAST LUMINARE	42.000	EA
153	701.62600	REMOVE ROADWAY LUMINAIRE	19.000	EA

NHPPI-I801192: 90 - 701.80000 - ROAD CLOSURE SYSTEM - LUMP SUM

#	Item	Description	Quantity	Unit
154	701.12300	CONDUIT BORING	950.000	FT
155	701.17010	CONDUIT-RIGID STL 1 in	100.000	FT
156	701.17015	CONDUIT-RIGID STL 1 1/2 in	125.000	FT
157	701.17110	CONDUIT-RIGID PVC 1 in	100.000	FT
158	701.1711F	CONDUIT-RIGID PVC 1 1/2 in	50.000	FT
159	701.17120	CONDUIT-RIGID PVC 2 in	1,400.000	FT
160	701.20100	PULL BOX TYPE A	5.000	EA
161	701.20200	PULL BOX TYPE B	1.000	EA
162	701.21300	SERVICE POINT SIGNAL	1.000	EA
163	701.2130C	ROAD CLOSURE DISCONNECT	2.000	EA
164	701.21310	SERVICE POINT PEDESTAL	1.000	EA
165	701.2180B	DISCONNECT SWITCH IN NEMA 3R ENCLOSURE	4.000	EA
166	701.2180C	JUNCTION BOX NEMA	4.000	EA
167	701.2407A	STL POLE TYPE VIII	3.000	EA
168	701.24600	REMOVE LIGHTING POLE	2.000	EA
169	701.25600	REMOVE POLE FOUNDATION	2.000	EA
170	701.2800A	ROAD CLOSURE DROP GATE	3.000	EA
171	701.2810B	REMOVE ROAD CLOSURE SWING GATE	4.000	EA
172	701.2810C	REMOVE ROAD CLOSURE DROP GATE	2.000	EA
173	701.40100	CONNECTOR KIT - FUSED I	12.000	EA
174	701.40300	CONNECTOR KIT - UNFUSED I	6.000	EA
175	701.4860C	SOLID STATE FLASHER UNIT	4.000	EA
176	701.50010	SIGNAL INDICATION 12	12.000	EA
177	701.53300	SIDE BRACKET FRAMEWORK	3.000	EA
178	701.62100	ROADWAY LUMINAIRE	3.000	EA
179	701.62600	REMOVE ROADWAY LUMINAIRE	2.000	EA
180	701.7070B	REMOVAL OF FLASHING BEACON SYSTEM	2.000	EA

NHPPI-I801192: 95 - 701.83000 - ELECTRICAL SYSTEM - LUMP SUM

#	Item	Description	Quantity	Unit
181	701.12300	CONDUIT BORING	300.000	FT
182	701.17130	CONDUIT-RIGID PVC 3 in	10,350.000	FT
183	701.21600	REMOVE SERVICE POINT	10.000	EA

ARSCT-I801A01: 10 - GENERAL CONTRACTS

Description: ORV ROUTE

#	Item	Description	Quantity	Unit
184	105.09010	CONTRACTOR SURVEYING	1.000	LS
185	109.08000	MOBILIZATION	1.000	LS
186	202.03205	REMOVAL OF FENCE	100.000	FT
187	203.02500	UNCLASSIFIED EXCAVATION	25,300.000	CY
188	207.03100	TOPSOIL STORING	3,800.000	CY
189	207.03200	TOPSOIL PLACING	3,800.000	CY
190	209.01000	WATER	1,120.000	MG
191	210.03300	MOTOR GRADER	40.000	HR
192	215.01000	CONTRACTOR STORM WATER CONTROL	1.000	LS
193	216.03100	SEEDING (PLS)	106.000	LB
194	216.03120	FERTILIZER TYPE I	212.000	LB
195	216.03900	DRY MULCH	11.000	TON
196	216.03910	EROSION CONTROL BLANKET	12,100.000	SY
197	301.01085	CRUSHED BASE	4,180.000	CY
198	511.06000	MACHINE-PLACED RIPRAP	740.000	CY
199	607.50400	FENCE BARRIER	15,200.000	FT
200	607.50900	FENCE-WING (WOOD POSTS)	90.000	FT
201	607.80100	BRACE PANELS	60.000	EA
202	607.90100	END PANELS	60.000	EA

WYOMING DEPARTMENT OF TRANSPORTATION
**2021 STANDARD SPECIFICATIONS FOR
ROAD AND BRIDGE CONSTRUCTION**
PROJECT NO. I801192 AND I801A01
I-80 TRUCK PARKING
EVANSTON EAST
UINTA COUNTY

INDEX

SUPPLEMENTARY DOCUMENTS

<u>NUMBER</u>	<u>NAME</u>
E-104B	REPORTING BID RIGGING ACTIVITIES
FHWA-1273	REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
1050.2A	STANDARD TITLE VI ASSURANCES/NON-DISCRIMINATION PROVISIONS – APPENDIX A
1050.2A	STANDARD TITLE VI ASSURANCES/NON-DISCRIMINATION PROVISIONS – APPENDIX E
*	WAGE COMPLIANCE REQUIREMENTS
*	WAGE DETERMINATION DECISION

SPECIAL PROVISIONS

SP-100AAA	SUSPENSION OF DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
SP-100BBB	BUY AMERICA PREFERENCE
SP-100DF	CONSTRUCTION REQUIREMENTS
SP-100DG	CONTRACTOR SURVEYING
SP-100DQ	MACHINE GUIDANCE (OPTION)
SP-200YT	WETLAND CONSTRUCTION
SP-600LU	SPECIAL ITEM CY-A (LIGHTWEIGHT CELLULAR CONCRETE)
SP-600LV	SPECIAL ITEM SF-A & SF-B (SHEET PILING)
SP-600LW	SPECIAL ITEM EA-A (INSTALLING RESTROOM BUILDING)
SP-600LX	SPECIAL ITEM EA-B (BOLLARDS)
SP-700JD	HIGH MAST LIGHTING SYSTEM
SP-700JF	LARGE REFERENCE MARKERS

SUPPLEMENTARY SPECIFICATIONS

SS-100A	AMENDMENTS TO THE DIVISION 100 OF THE 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
SS-100E	SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES AND TRAINING PROVISIONS
SS-100J	FUEL ADJUSTMENT
SS-100K	ADJUSTMENT FOR STEEL
SS-200A	AMENDMENTS TO THE DIVISION 200 OF THE 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
SS-300A	AMENDMENTS TO THE DIVISION 300 OF THE 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
SS-400A	AMENDMENTS TO THE DIVISION 400 OF THE 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
SS-500A	AMENDMENTS TO THE DIVISION 500 OF THE 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
SS-500B	WELDER QUALIFICATION
SS-500G	STRUCTURAL CONCRETE WITH QUALITY CONTROL AND QUALITY ACCEPTANCE
SS-600A	AMENDMENTS TO THE DIVISION 600 OF THE 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

SS-600C	BOX BEAM TERMINAL (EATT)
SS-700A	AMENDMENTS TO THE DIVISION 700 OF THE 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
SS-700E	PORTABLE VARIABLE MESSAGE SIGN
SS-700F	EPOXY PAVEMENT MARKINGS
SS-700G	SIGN PANELS EXTRUDED ALUMINUM
SS-700K	FLEXIBLE DELINEATORS
SS-800A	AMENDMENTS TO THE DIVISION 800 OF THE 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

ENVIRONMENTAL PERMITS / CLEARANCES

CORP OF ENGINEERS PERMIT

NEPA ENVIRONMENTAL CLEARANCE (contains wildlife restriction dates, MOA/MOUs)

WATER AGMT. NO.

WATER SOURCE

CONTACT RE FOR WATER SOURCE

NON-PROPOSAL ITEMS TO BE INCLUDED

PROJECT DEVELOPMENT

GEOLOGY REPORT

EARTHWORK

CROSS SECTIONS

MASS HAUL

MATERIALS LAB

NONE

SPECIAL PROVISION
FOR
CONSTRUCTION REQUIREMENTS

Project No. I801192
I-80 Truck Parking
Evanston East

REFERENCE: The 2021 Edition of the Wyoming Department of Transportation's Standard Specifications for Road and Bridge Construction

This project is a Construction Collaboration Level 1 and will require weekly progress meetings.

Access to the county property must be up the haul road. No access will be allowed from the end of Bear River Drive.

Upon closure of truck parking area allow the department 1 week to clean garbage prior to beginning any topsoil stripping or grading work.

The borrow source is located on the adjacent county property. Construct a haul road from the location designated in the contract, extending up the ridge to provide access to the borrow pad. Level an 11-acre pad for the excavation and storage of borrow material; this area will subsequently serve as the project's plant site and staging area. Construction of the access road, staging area, and plant site is considered incidental to the Unclassified Excavation bid item.

The final pad is to be approximately 11 acres, graded to drain toward the north with a slope not exceeding 3%. All cut and fill slopes at the pad perimeter must maintain a maximum grade of 1H:3V. Finished surfaces are to be uniform and free of depressions to prevent ponding. Remove all material stockpiles prior to seeding. Construction of the final pad is considered incidental to the Unclassified Excavation bid item. The project includes 25 hours each for blade and dozer work to address grading and drainage concerns around the pad perimeter, as per engineer.

The County property trail system will remain open to the public outside the construction area. Do not impede public access up the ridge from the end of Bear River Drive during the project. Temporary fencing is required along the western portion of the plant site to restrict public access. This will be paid for under the Fence Temporary item.

Utilize vertical wall trench excavation or other means and methods for installation of median drains to complete safe excavation/install without cutting into existing concrete pavement. If this cannot be achieved, additional temporary traffic control configurations will be necessary, with the engineer's approval. Additional temporary traffic control

devices may be required, which could include, but are not limited to, temporary concrete barrier when a 15 clear zone cannot be maintained.

Union Wireless will be working at several locations on the south side of EBL truck parking to relocate their fiber optic line where it conflicts with pipe extensions and wall backfill. Notify Union Wireless two weeks prior to beginning work to coordinate and sequence work accordingly to minimize schedule conflicts.

Install underground conduit for power on the North side of WBL to accommodate new services for this project. Notify Pacific Power two weeks prior to beginning work on the North side and coordinate this work accordingly.

Use a slip-form paver for PCCP. For small or irregular placements, the engineer must agree that a slip-form paver cannot be used and must approve the new method. Ensure the paving of traffic lanes, including shoulders, is placed with one pass unless otherwise shown in the contract.

Phase the asphalt removal and concrete placement within the current east and west bound chain-up areas to ensure they remain paved and functional for the seasonal shutdown between November 1 to March 31 of each construction season.

Swallow nests were found in the box culvert that will be extended. Remove swallow nests outside the nesting season (April 1 to October 1) and prior to the start of any culvert extension activities. Do not allow swallows to rebuild nests prior to the start of construction.

Notify the engineer at least 14 calendar days before starting box culvert work. Once the culvert is closed for extension activities construction must proceed continuously until completion to mitigate impacts on adjacent landowners.

Restore traffic to normal, unrestricted traffic operations prior to November 1 each year. Liquidated damages will be assessed in accordance with Table 108.8-1, Schedule of Liquidated Damages, for each calendar day after November 1 each year, including winter months, for which the roadway is not opened to unrestricted operations.

02-18-26

SPECIAL PROVISION
FOR
MACHINE GUIDANCE (OPTION)

Project No. I801192
I-80 Truck Parking
Evanston East

REFERENCE: The 2021 Edition of the Wyoming Department of Transportation's *Standard Specifications for Road and Bridge Construction* and the current edition of the *WYDOT Construction Manual*.

DESCRIPTION: This special provision describes the requirements for using machine guidance technology systems to establish grade elevations for all grading operations.

MATERIALS: The department will furnish:

- Electronic data files and as-staked data for construction purposes in survey software file formats used by the department. The department will not perform conversions to other formats. This data will include the following information:
 - Surfacing models, as 3D linestrings and surfaces, for the following areas:
 - Eastbound Parking Road (top of dirt, top of base, and PCCP)
 - Westbound Parking Road (top of dirt, top of base, and PCCP)
 - All proposed median turnarounds (top of dirt, top of base, and PCCP)
 - ORV trail (top of dirt and top of base)
 - Wetland Mitigation (top of dirt)
 - Reference alignments, as 2D geometric alignments
- Project control and localization information.

EQUIPMENT: Provide all equipment and roadway models required to establish grades on all roadway courses.

CONSTRUCTION: Notify the engineer if machine guidance will be utilized. The engineer will provide electronic data files within 30 calendar days of this notification.

- Use the project control and localization information provided by the engineer. If auxiliary control is established, ensure it meets the requirements of the *WYDOT Survey Manual* and the *WYDOT Construction Manual*.
- The department will not entertain claims or approve an extension of contract time due to errors caused by or due to the unavailability of any satellite constellation.

Grade verification will be performed as follows using the Machine Guidance Grade Check Tolerances outline in the Construction Manual.

- When the contract does not include the pay item Contractor Surveying, the engineer will perform grade checks. Provide the engineer two working day's notice for all grade verification. The engineer will report the results of the verification checks within one working day of the contractor completing each section. Rework deficient areas of each section. Obtain engineer's approval prior to placement of the next surfacing layer. If machine guidance is unable to meet the specified tolerances, the engineer will establish grade stakes.
- When the contract includes the pay item Contractor Surveying, the contractor will perform grade verification. Report the results of the grade verification to the engineer within one working day after completing each section. Rework deficient areas of each section. Obtain engineer's approval prior to placement of the next surfacing layer. If machine guidance is unable to meet the specified tolerances, the contractor will establish grade stakes as specified in Subsection 105.9.3, Contractor Surveying.

At the request of the engineer, provide native files gathered from the equipment. Submit in original format with no conversions.

MEASUREMENT and PAYMENT: The use of Machine Guidance will be paid for as Contractor Surveying in accordance with Subsection 105.9.4, Measurement and Payment.

05-04-26

SPECIAL PROVISION
FOR
SPECIAL ITEM CY-A (LIGHTWEIGHT CELLULAR CONCRETE)

Project No. I801192
I-80 Truck Parking
Evanston East

REFERENCE: The 2021 Edition of the Wyoming Department of Transportation's Standard Specifications for Road and Bridge Construction.

DESCRIPTION: This special provision describes the requirements of producing and placing lightweight cellular concrete as fill material.

This work will be considered a specialty item for the purpose of subcontracting in accordance with Subsection 108.1, Subletting of Contract.

MATERIALS: Provide lightweight cellular concrete (LCC) consisting of cement, fly ash, preformed foam, and chemical admixtures in accordance with the following:

Material	Subsection
Cement	801.1
Admixtures	801.4

Ensure LCC is permeable and has an oven-dried density of 27 lb/ft³ plus or minus 3 lb/ft³ and a minimum hydraulic conductivity of 2.5×10^{-5} cm/sec.

Use preformed foam conforming to ASTM C869.

Use fly ash or natural pozzolan in accordance with ASTM C311 and ASTM C618 for Class N or F.

Use water meeting the requirements of ASTM C1602.

EQUIPMENT: Use a batch plant capable of producing LCC in the proportions defined by the final approved mix design. Revolving drum mixers may be used to transport slurry only to be mixed with the preformed foam on site. Use equipment with a sufficient capacity to produce a uniform mixture at a rate compatible with the placing equipment.

Use a batch plant mixer capable of producing a homogenous mixture and discharging contents directly into truck agitators or non-agitating trucks for transport to the placement location. Ensure batch plant is equipped with direct weighing equipment to measure the amount of cement, fly ash or pozzolan, water and chemical admixture.

Use a foam generator approved by the foaming agent manufacturer and capable of producing a predetermined quantity or flow rate of preformed foam to be blended with the slurry.

Use a positive displacement progressive cavity, peristaltic, or piston pump capable of handling the volume of LCC to be placed. Ensure pumps operate such that a continuous stream of LCC, without segregation, is conveyed to the location of final placement. Use pumps equipped with safety measures to prevent sudden excessive pressure from developing. Do not use ball valve pumps or centrifugal pumps unless approved in writing by the engineer.

CONSTRUCTION:

Mix Design:

Submit a proposed lightweight cellular concrete mix design and test results to the engineer and Materials program for approval, including the following:

1. Cement type and source;
2. Fly ash or pozzolan type and source, if used;
3. Foaming agent to be used;
4. Type and dosage of admixtures, if used, including a letter stating compatibility with the proposed foaming agent;
5. Test results of the proposed mix design in accordance with ASTM C495, including approximate wet and dry densities and compressive strength at 28 days.

Notify the engineer in writing of any proposed changes to the mix design during the project.

Provide a letter from the foam agent manufacturer qualifying the LCC contractor to satisfactorily prepare and place LCC. Provide a list of projects demonstrating at least three years of experience in similar projects by the LCC contractor.

Submit the proposed work plan including construction sequence, placement procedures and maximum single lift thickness to the engineer for approval.

Submit a cold weather protection plan addressing the curing of LCC in temperatures below 32 °F and the proposed method to prevent freezing of uncured LCC.

Testing and Sampling:

Sample and test the LCC in accordance with ASTM C495 and ASTM C796 during the first batch each day and once every 300 cy thereafter. Sample and test for as-cast density and compressive strength. Adjust the mix by either increasing or decreasing only the preformed foam.

Prepare one set of a minimum of four 3 in x 6 in test specimens per sample. Take samples at the point of placement.

The engineer will sample and test for acceptance a minimum of once per day based on independent or split samples. An independent sample is obtained and tested by one party; a split sample is one of two equal portions of a field sample, where two parties each receive one portion for testing. A minimum of four 3 in x 6 in test specimens will be prepared for acceptance of compressive strength in accordance with ASTM C495. The Materials Program will transport the acceptance cylinders to the department's testing laboratory in Cheyenne.

Placement:

Prepare subgrade area for LCC to be free of loose material and of uniform moisture. Do not place LCC in standing water. Do not place LCC on frozen subgrade.

Mix the foaming agent with the cement and water on site as recommended by the foam manufacturer.

Place LCC in lifts according to the submitted work plan. Allow each lift to cure at least 12 hours before placing the subsequent lift. Remove any crumbling or flaking material or material that is otherwise compromised from the previously poured surface.

Protect LCC fill from conditions which may cause degradation or otherwise impact its properties and performance, including precipitation and inclement weather, and excessive moisture absorption.

MEASUREMENT and PAYMENT: The engineer will measure Special Item CY-A (Lightweight Cellular Concrete) by the cubic yard.

The department will pay as follows:

Pay Item	Pay Unit	Measure to the Nearest	Pay to the Nearest
Special Item CY-A (Lightweight Cellular Concrete)	CY	0.1 ft	0.1 CY

02-10-26

SUPPLEMENTARY SPECIFICATION
FOR
EPOXY PAVEMENT MARKINGS

Revisions throughout changing from glass spheres to glass beads, added a table for gradation requirements.
10-01-21

REFERENCE: The 2021 Edition of the Wyoming Department of Transportation's *Standard Specifications for Road and Bridge Construction* and the *Manual on Uniform Traffic Control Devices* (MUTCD).

DESCRIPTION: This supplementary specification describes the requirements for applying epoxy pavement markings.

MATERIALS: Use epoxy lead-free two-component pavement marking material with drop-on glass beads. Provide epoxy paint marking material consisting of a 100% solid two component system formulated to provide a simple volumetric mixing ratio such as two volumes of part A to one volume of part B.

Submit to the engineer 21 calendar days prior to application the following information:

1. Quantity, in gallons, of white epoxy paint;
2. Quantity, in gallons, of yellow epoxy paint;
3. Quantity, in gallons, of catalyst;
4. Quantity of glass beads.

Submit to the engineer 21 calendar days prior to application two 1- pint [0.5 L] wet samples for each color and component, and certifications for each batch number showing the material complies with this specification and includes the following:

1. Certified IR Spectra of each component;
2. Documentation of formulation;
3. Epoxide value on a pigment free basis for either the white or yellow epoxy resin (part A) is within the manufacturer's target number ± 50 per ASTM D-1652;
4. Amine value for the curing agent (part B) is within the manufacturer's target number ± 50 per ASTM D-2074;
5. Heating of the material to application temperature will not produce toxic fumes which are injurious to persons or property;
6. The epoxy pavement marking material, when mixed in the proper ratio and applied at 20 mils [508 μm] ± 0.5 [12.7 μm] mil wet film thickness at 73 °F [23 °C] – 77 °F [25 °C], sets to a no track time of 90 minutes or less according to ASTM D-711 without glass beads. The no track time applies to both the field and the laboratory;
7. The epoxy paint is capable of fully curing under a constant surface temperature of 32 °F [0 °C] or above;

8. The color white meets Federal Standard 595, #37886 and the color yellow meets $\pm 6\%$ of Central Color 0.5007, #33538 when tested in accordance with ASTM D2244;
9. The catalyzed epoxy paint material has a minimum compressive strength of 12,000 psi [83 KPa] when tested in accordance with ASTM D-695 and a minimum tensile strength of 6000 psi [41360 kPa] when tested in accordance with ASTM D-638;
10. The abrasion resistance is evaluated according to ASTM D-4060 on a Taber Abrader with a 1,000 gram load and CS-17 wheels. The duration of the test is to be 1,000 cycles. Ensure the wear index is based on ASTM C-501 and does not exceed 80 mg;
11. The epoxy paint materials have a Shore D hardness greater than 80 when tested according to ASTM D2240;
12. The epoxy paint materials have a minimum directional reflectance of 80 for white and 50 for yellow when tested in accordance with ASTM E-1347; and
13. The epoxy materials contain no more than 100 parts per million (ppm) lead.

Submit to the engineer 21 calendar days prior to application certifications and 1 qt [1 L] sample of glass beads. Include the following information on the glass bead certifications:

1. Quantity;
2. Date of manufacture;
3. Name and address of manufacture;
4. Coatings;
5. Roundness;
6. Refractive index;
7. Flow characteristics;
8. Gradation; and
9. Information showing glass beads were manufactured only from North American glass cullet.

Samples may be requested at any time at the point of application for testing purposes. Remove and replace materials that fail to meet specified requirements at no additional cost to the department.

Ensure glass beads meet the following gradation requirements when tested according to ASTM D-1214:

U.S. Standard sieve No.	% Passing
16 [1.18 mm]	90-100
18 [1.00 mm]	65-80
30 [0.60 mm]	30-50
50 [0.30 mm]	0-5

Provide glass beads that meet AASHTO M247 except for the following:

1. A minimum of 80% true glass beads as tested in accordance with ASTM D-1155 or by Computerized Optical Method;
2. Ensure a minimum of 50 percent of the total weight of product is manufactured using a molten kiln direct melt method. Ensure all molten kiln direct melt glass beads are above the #30 sieve (0.60 mm).
3. Colorless, clear, and free of carbon residues;
4. Free of extraneous material or clumps;
5. Clear of surface scarring or scratching;
6. Less than 5 percent air inclusions by visual count;
7. Have a refractive index of a minimum of 1.51 as determined by the liquid immersion method at 77 °F [25 °C] $\pm$ 9 °F [10 °C];
8. Silica content less than 60 percent, and the glass beads contain no more than 75 ppm arsenic, 75 ppm antimony, and 50 ppm lead;
9. Coated according to manufacturer recommendation for optimum adhesion and embedment; and
10. Resistant to hydrochloric acid, water, calcium chloride, and sodium sulfide

Furnish modified epoxy and glass beads in fully identified containers. Samples may be requested at any time at the point of application for testing purposes. Remove and replace materials that fail to meet specified requirements at no additional cost to the department.

EQUIPMENT: Provide a mobile truck with mounted and self contained pavement marking equipment specifically designed to apply resin materials and reflective glass beads in continuous and skip line patterns, maneuverable to the extent that straight lines can be followed and normal curves can be made in a true arc. Provide the truck mounted unit with the accessories to allow for the marking of legends, symbols, crosswalks, and other special patterns.

Supply a mobile applicator that:

1. Provides for the individual storage of part A and part B;
2. Provides heating equipment of sufficient capacity to maintain the individual resin components at the manufacturer's recommended temperature;
3. Can produce the required amount of heat at the mixing head and gun tip and maintain those temperatures within the tolerances recommended by the resin manufacturer;
4. Provides adequate individual tanks to store and dispense glass beads;
5. Provides necessary equipment for glass bead application by means of a low pressure, gravity drop method.
6. Provides individual metering devices or pressure gages on proportioning pumps (one indicator per pump) as well as stroke counters to monitor gallon usage. Devices will be visible to the engineer;

7. Provides the necessary spray equipment, mixers, compressors and other appurtenances to allow for the placement of a reflectorized pavement marking system in a simultaneous sequence of operations;
8. Provides an enclosed flush and purge system to clean the lines and guns without exuding the solution into the environment; and
9. Provides a nozzle mounted in front of the paint guns on the mobile applicator to further blow the pavement surface clean of debris with forced air.

Provide grinding or sandblasting equipment to remove existing pavement markings.

Provide dust collection system that meets The Department of Environmental Quality (DEQ) air quality requirements for entrapping dust and removed paint debris.

Provide an onboard monitoring system for the purpose of managing the amount of striping materials applied to the surface.

Replace the following paragraph:

10-01-23

Provide equipment with functional data logging hardware that is operational, calibrated, and provides real-time information with data-capture capabilities. Provide the engineer the manufacturer's calibration recommendations for the data logging hardware and certification that the hardware meets the manufacturer's recommended calibration.

Provide a Global Positioning System (GPS) receiver that has 10 ft [3 m] accuracy.

CONSTRUCTION: Ship the material to the job site in containers plainly marked with the manufacturer's name and address, the color of the material, date of manufacture, and batch number.

Provide access to application equipment for inspection by the engineer.

Prior to beginning striping operations, travel a specified distance as directed by the engineer to confirm the physical distance travelled is consistent with the data logging hardware. Repeat calibration as required by the manufacturer's recommendations and as directed by the engineer.

Collect the following data for all pavement marking applications. Provide to the engineer weekly a printed and an electronic copy of the collected data.

1. Project number
2. Striping contractor name
3. Highway number
4. Beginning and ending reference marker rounded to the nearest 0.001 mi [0.002 km]
5. Beginning and ending GPS coordinates
6. Direction of travel in terms of increasing or decreasing reference marker
7. Date and times (beginning and ending) of each application

8. Vendor of each product (binder and reflective material)
9. Lot number(s) of products
10. Designation of the marking being applied (LEL – Left Edgeline, REL – Right Edgeline, CL - Centerline, LL – Lane Line Skip, 1LL – left most LL in multilane, 2LL – second to left most LL in multilane, etc)
11. Width of marking being applied
12. Presence of a grind or rumble strip in the location of the pavement marking and beginning and ending GPS coordinate of grind or rumble strip

Report as an average for each mile [km] installed:

1. Application vehicle speed to the nearest 0.1 mph [0.2 kph]
2. Weight (lb) [kg] and/or volume (gal [L]) as measured through a positive displacement pump mechanism or flow meter) of liquid material(s) used by color
3. Weight (lb) [kg] of reflective material used
4. Ratio of reflective material used per volume of liquid material used reported as lb/gal
5. Ambient air temperature (°F) [°C]
6. Road surface temperature (°F) [°C]
7. Humidity (%)
8. Average material application rates and film thickness calculated over the section striped

Conduct work in a manner that the finished pavement surface is not damaged or left in a pattern that will mislead or misdirect motorists.

When work involves a mobile operation and is in a 45 mph [72 kph] or greater speed zone, ensure the trailing vehicle in the convoy has a truck or trailer mounted attenuator (TMA) that meets or exceeds MASH16, Test Level 3 (TL-3). See the contract for a typical convoy configuration and the required traffic control devices.

Complete Form E-150, Epoxy Paint Quantity Sheet, containing the beginning and ending stabs and quantities of beads loaded each time materials are added to the truck and submit the form to the engineer for each pay band area (may require multiple sheets).

Ensure the pavement is dry and clean. Grind or sandblast the surface clean to the satisfaction of the engineer. Remove the existing pavement markings and clean the pavement in such a manner as to control and minimize airborne dust and similar debris so as to prevent a hazard to people, motor vehicle operations, and a nuisance to property. Use a dust collection system to entrap dust as necessary to meet DEQ air quality requirements. Remove all debris on the roadway where the pavement marking is to be applied. Use a dust collection system to entrap dust as necessary to meet DEQ air quality requirements and OSHA requirements for respirable silica dust. Remove all debris on the roadway where the pavement marking is to be applied.

Paint only when the roadway surface temperature is above 35 °F [2 °C] and the ambient air temperature is above 40 °F [4 °C]. Determine the pavement surface temperature and

air temperature before the start of each day of marking operations and at any time deemed necessary by the engineer.

Ensure the placement of lines and markings are within the areas where the pavement was cleaned and prepared. If the lines and markings are placed in an area other than where the previous markings were removed, ensure the area that the markings are to be placed is dry and sand-blasted or ground clean. Epoxy not installed in clean grind areas will not be accepted for payment. Placement of lines and markings will be at the direction of the engineer.

Ensure both paint components are brought to the temperature recommended by the manufacturer prior to mixing and spraying. Maintain the manufacturer's recommended temperature during application.

Check and field calibrate glass bead drop rates at least twice daily.

Ensure markings have uniform thickness of 20 mils without drop-on glass beads, and uniform glass bead distribution across the width of the marking. Ensure the tolerance for line width is 4 in ± 0.25 in [100 mm ± 6 mm] and 8 in ± 0.5 in [200 mm ± 12 mm]. Remove and restripe lines not meeting this tolerance at no additional cost to the department. Ensure markings have sharp edges and are cut-off at the ends.

Apply glass beads at a rate of 23 lb/1 gal [6 kg/4 L]. Cease operations until corrections are made if the glass beads do not remain adhered to the cured epoxy paint.

Ensure the centerline, lane line, barrier line, and edge line markings do not deviate more than 2 inches in 500 ft [50 mm in 150 m] within the applied stripe width. Correct pavement markings not meeting the specified tolerance limits by removal and replacement as directed by the engineer at no additional cost to the department.

Replace the following paragraph:

10-01-23

Ensure the pavement marking removal and pavement cleaning are protected from traffic. Protect pavement markings to allow a sufficient no-track time in order to dry. Correct pavement markings that do not receive a sufficient no-track time, which results in wet paint tracking, by removal and/or replacement at no additional cost to the department.

MEASUREMENT and PAYMENT: The engineer will measure Epoxy Pavement Line as the length of applied epoxy to the nearest 0.1 ft [0.03 m].

The department will pay as follows:

Pay Item	Pay Unit	Measure to the Nearest	Pay to the Nearest
Epoxy Pavement Line 4 in	FT [m]	0.1 ft [0.03 m]	FT [m]
Epoxy Pavement Line 8 in	FT [m]	0.1 ft [0.03 m]	FT [m]

Price adjustments for each group of road sections are based on bands which are the percent of epoxy and glass beads used versus the calculated quantities; calculated quantities will be at a 20 mil thickness. Road section groupings for pay band calculations will be discussed and agreed upon at the preconstruction conference. Payment deductions, if any, will be determined by using the lowest band between each glass bead size and each color of epoxy (including catalyst).

<u>Band #</u>	<u>Actual vs. Calculated</u>
1	95% - 100%
2	90% - 94.9%
3	80% - 89.9%
4	Less than 79.9%

The engineer will adjust the contract unit price in accordance with the following schedule for each section:

<u>Band #</u>	<u>% of Contract Unit Price</u>
1	100%
2	90%
3	80%
4	Repaint

Remove and restripe each road section which falls into band 4 at no additional cost to the department.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	I801192		I801A01
			ROADWAY CODE 21	STRUCTURE CODE 14	ORV ROUTE CODE 44
105.09010	CONTRACTOR SURVEYING	LS	LUMP SUM		LUMP SUM
106.05200	CONTRACTOR TESTING	LS	LUMP SUM		
109.04000	FORCE ACCOUNT WORK	\$\$	\$20,000		
109.08000	MOBILIZATION	LS	LUMP SUM	LUMP SUM	LUMP SUM
202.03120	REMOVAL OF SIGNS	LS	LUMP SUM		
202.03130	REMOVAL OF SIGN STRUCTURES	LS	LUMP SUM		
202.03170	REMOVAL OF GUARDRAIL	FT	216		
202.03205	REMOVAL OF FENCE	FT	8600		100
202.03310	MILLING PLANT MIX	CY	3860		
202.03415	REMOVAL OF CONCRETE PAVEMENT	SY	4870		
202.03460	REMOVAL OF CONCRETE	LS	LUMP SUM		
203.02500	UNCLASSIFIED EXCAVATION	CY	146000		25300
206.03300	CULVERT SUBEXCAVATION	CY		110	
207.03100	TOPSOIL STORING	CY	33200		3800
207.03200	TOPSOIL PLACING	CY	29100		3800
209.01000	WATER	MG	8900	5	1120
210.03200	BULLDOZER	HR	8		
210.03300	MOTOR GRADER	HR	8		40
211.03315	CULVERT CLEANING	EA	54		
212.03900	PERVIOUS BACKFILL MATERIAL	CY		10	
215.01000	CONTRACTOR STORM WATER CONTROL	LS	LUMP SUM	LUMP SUM	LUMP SUM
216.03100	SEEDING (PLS)	LB	950		106
216.03120	FERTILIZER TYPE I	LB	1860		212
216.03900	DRY MULCH	TON	93		11
216.03910	EROSION CONTROL BLANKET	SY	30800		12100
216.03973	WETLAND CONSTRUCTION	LS	LUMP SUM		
217.01025	GEOTEXTILE, MATERIAL SEPARATION (NON-WOVEN)	SY	12000		
217.01069	BIAXIAL GEOGRID (STIFF)	SY	157000	340	
301.01030	CRUSHER RUN SUBBASE	CY		110	
301.01065	BED COURSE MATERIAL	CY	1270		
301.01085	CRUSHED BASE	CY	81000		4180
414.01050	CONCRETE PVMT (10 in)	SY	158000		
502.11212	PRECAST BOX CULVERTS 12 X 12 ft	FT		48	
504.11274	STEEL PILING HP 12 X 74	FT	145		
504.11417	STEEL PILING HP 14 X 117	FT	99		
504.11616	STEEL SHEET PILING (SM 16.0)	SF	253		
506.01030	DRILLED SHAFT FOUNDATIONS 30 in	FT	765		
506.01036	DRILLED SHAFT FOUNDATIONS 36 in	FT	18		
506.01048	DRILLED SHAFT FOUNDATIONS 48 in	FT	423		
511.06000	MACHINE-PLACED RIPRAP	CY	90		740
513.00005	CLASS A CONCRETE	LS	LUMP SUM	LUMP SUM	
514.00015	REINFORCING STEEL	LS		LUMP SUM	
603.50012	CMP 12 in	FT	48		
603.50018	CMP 18 in	FT	346		
603.50024	CMP 24 in	FT	656		
603.50036	CMP 36 in	FT	36		
603.50042	CMP 42 in	FT	214		
603.50048	CMP 48 in	FT	154		
603.52018	CMP FE SECT 18 in	EA	2		
603.52024	CMP FE SECT 24 in	EA	5		
603.52036	CMP FE SECT 36 in	EA	1		
603.52042	CMP FE SECT 42 in	EA	3		
603.52048	CMP FE SECT 48 in	EA	2		
603.60071	CMP ARCH 71 X 47 in	FT	36		
603.71010	PIPE COLLARS	CY	20		

ITEM NO.	ITEM	UNIT	I801192		I801A01
			ROADWAY CODE 21	STRUCTURE CODE 14	ORV ROUTE CODE 44
606.05000	BOX BEAM GUARDRAIL	FT	1272		
606.05012	BOX BEAM GUARDRAIL END ANCH TYPE II	EA	9		
606.05016	BOX BEAM TERMINAL (EATT)	EA	9		
607.20200	FENCE TYPE B (WOOD POSTS)	FT	4500		
607.30200	FENCE TYPE B (METAL POSTS)	FT	210		
607.50400	FENCE BARRIER	FT	27300		15200
607.50900	FENCE-WING (WOOD POSTS)	FT	250		90
607.51100	FENCE TEMPORARY	FT	4100		
607.80100	BRACE PANELS	EA	130		60
607.90100	END PANELS	EA	40		60
609.10120	SPECIAL CURB TYPE X	FT	4000		
625.10300	MANHOLE TYPE C	EA	1		
625.30100	INLET TYPE M1	EA	30		
640.00004	SPECIAL ITEM EA-A	EA	6		
640.00005	SPECIAL ITEM EA-B	EA	204		
640.00010	SPECIAL ITEM CY-A	CY	22505		
640.00019	SPECIAL ITEM SF-A	SF	45761		
640.00020	SPECIAL ITEM SF-B	SF	93375		
701.20600	REMOVE PULL BOX	EA	40		
701.29800	ELECTRICAL CONDUCTORS	LS	LUMP SUM		
701.70000	FLASHING BEACON SYSTEM	LS	LUMP SUM		
701.73000	ROADWAY LIGHTING SYSTEM	LS	LUMP SUM		
701.80000	ROAD CLOSURE SYSTEM	LS	LUMP SUM		
701.83000	ELECTRICAL SYSTEM	LS	LUMP SUM		
702.09100	STL OVERHEAD SIGN SUPPORT	LS	LUMP SUM		
702.09400	STL BREAK-AWAY SIGN SUPPORT W6 X 15	FT	150		
702.09600	STL BREAK-AWAY SIGN SUPPORT W10 X 26	FT	136		
702.09700	STL BREAK-AWAY SIGN SUPPORT W14 X 30	FT	36		
702.10100	LARGE REFERENCE MARKERS	EA	7		
702.10200	LARGE REFERENCE MARKER PANELS	EA	7		
702.30105	SIGN POSTS, WOOD 4 X 6 in	FT	40		
702.30110	SIGN POSTS, WOOD 6 X 6 in	FT	1200		
702.30115	SIGN POSTS, WOOD 6 X 8 in	FT	330		
702.30300	SIGN POST, SQ TUBULAR STL	EA	42		
702.30450	SIGN PANELS, EXTRUDED ALUMINUM	SF	1847		
702.30500	SIGN PANELS, ALUMINUM	SF	1189		
702.30600	RESET SIGNS	LS	LUMP SUM		
702.51010	FLEXIBLE DELINEATORS, TYPE II	EA	590		
702.51030	FLEXIBLE DELINEATORS, TYPE IV	EA	20		
702.51040	FLEXIBLE DELINEATORS, TYPE V	EA	28		
703.03110	TEMPORARY TRAFFIC CONTROL	LS	LUMP SUM		
703.03200	SEQUENTIAL CHEVRON	LS	LUMP SUM		
703.03210	PORTABLE VARIABLE MESSAGE SIGN	EA	2		
799.71810	EPOXY PAVEMENT LINE 4 in	FT	87000		
799.71815	EPOXY PAVEMENT LINE 8 in	FT	16700		
900.60000	CONTRACTOR QUALITY CONTROL (CONCRETE)	LS		LUMP SUM	

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WATER ACCUMULATION SUMMARY - I801192

SUMMARY	MG
	WATER
GRADING	5329
MILLING	96
SURFACING EB PARKING ROAD	2187
SURFACING WB PARKING ROAD	936
SURFACING MEDIAN TURNAROUND	155
TOPSOIL & SEEDING	145
TOTAL	8848
FOR ESTIMATE	8900

WATER ACCUMULATION SUMMARY - I801A01

SUMMARY	MG
	WATER
GRADING	927
MISCELLANEOUS	170
TOPSOIL & SEEDING	19
TOTAL	1116
FOR ESTIMATE	1120

STEEL BREAK-AWAY SIGN SUPPORTS SUMMARY

SIGN NUMBER	POST SIZE	DRILLED SHAFT FOUNDATIONS		POST LENGTH		
		30 in	36 in	W6 X 15	W10 X 26	W14 X 30
2	2 - W10 X 26	2 - 8'			2 - 20'	
4	2 - W6 X 15	2 - 6'		2 - 17'		
*6	1 - W8 X 21	1 - 7'				
*7	1 - W8 X 21	1 - 7'				
9	2 - W6 X 15	2 - 6'		2 - 15'		
*43	1 - W8 X 21	1 - 7'				
*44	1 - W8 X 21	1 - 7'				
124	2 - W6 X 15	2 - 6'		2 - 15'		
126	2 - W10 X 26	2 - 8'			2 - 15'	
*128	1 - W8 X 21	1 - 7'				
*129	1 - W8 X 21	1 - 7'				
*130	1 - W8 X 21	1 - 7'				
131	2 - W6 X 15	2 - 6'		2 - 14'		
132	2 - W6 X 15	2 - 6'		2 - 14'		
133	2 - W10 X 26	2 - 8'			2 - 14'	
134	2 - W14 X 30		2 - 9'			2 - 18'
139	2 - W10 X 26	2 - 8'			2 - 19'	
TOTAL		173'	18'	150'	136'	36'

* SEE RESET SIGN SUMMARY.

PAVEMENT MARKING SUMMARY

LOCATION	FT			
	EPOXY PAVEMENT LINES			
	4 inch		8 inch	
	WHITE	YELLOW	WHITE	YELLOW
EAST BOUND ON\OFF RAMPS	4520		4800	
WEST BOUND ON\OFF RAMPS	1580		2370	
EAST BOUND PARKING AREA	51945	3400	2480	3640 (1)
WEST BOUND PARKING AREA	16930	8500	940	2355 (1)
SUBTOTAL	74,975	11,900	10,590	5,995
TOTAL	86,875		16,585	
FOR ESTIMATE	87,000		16,700	

(1) QUANTITY INCLUDES 12" YELLOW THAT HAS BEEN CONVERTED TO 8" YELLOW EQUIVALENT:
910 FT 12" YELLOW IN EASTBOUND PARKING AREA ADJUSTED TO 1365 FT OF 8" YELLOW.
590 FT 12" YELLOW IN WESTBOUND PARKING AREA ADJUSTED TO 885 FT OF 8" YELLOW.

TRAFFIC CONTROL SUMMARY

ITEM	UNIT	TOTAL AND FOR ESTIMATE
1) TEMPORARY TRAFFIC CONTROL	LS	LUMP SUM
SEQUENTIAL CHEVRON	LS	LUMP SUM
2) PORTABLE VARIABLE MESSAGE SIGN	EA	2

1) PROVIDE A MAINTAINER, ONSITE AT ALL TIMES (24 HOURS A DAY, 7 DAYS A WEEK) IF TRAFFIC IS BEING DIVERTED OR PROTECTED PROTECTED BY TEMPORARY TRAFFIC CONTROL DEVICES.

RUMLBE STRIP ARRAYS AND THE TRAFFIC CONTROL DEVICES ASSOCIATED WITH THE ARRAY ARE NOT REQUIRED FOR THIS PROJECT. THE TRAFFIC CONTROL DEVICES ASSOCIATED WITH THE RUMBLE STRIP ARRAY INCLUDE THE "RUMBLE STRIPS AHEAD" (S-2) SIGN ON THE SHOULDER AND CENTER LINE "KEEP RIGHT" (R4-7B) SIGNS ADJACENT TO THE RUMBLE STRIP ARRAYS, DRUMS, CONES, AND TUBULAR MARKERS ALONG THE ROAD CENTER LINE ADJACENT TO AND BETWEEN RUMBLE STRIP ARRAYS AS SHOWN IN STANDARD PLANS 703-2H. TRAFFIC CONTROL DEVICES NOT RELATED TO THE ARRAY REMAIN AS SHOWN ON THE DETAIL WITH SIGN SPACING ADJUSTED ACCORDINGLY.

2) TO BE USED AND PLACED AS DIRECTED BY THE ENGINEER.

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STATE OF WYOMING	PROJ. NO. I801192	SHEET NO. S22	TOTAL SHEETS S26
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SIGN AND DELINEATOR SUMMARY

ITEM	UNIT	TOTAL	FOR ESTIMATE
1) REMOVAL OF SIGNS	LS	LUMP SUM	LUMP SUM
2) SPECIAL ITEM EA-B	EA	72	(A)
DRILLED SHAFT FOUNDATIONS 30 in	FT	173	(A)
DRILLED SHAFT FOUNDATIONS 36 in	FT	18	18
STL BREAK-AWAY SIGN SUPPORT W6 X 15	FT	150	150
STL BREAK-AWAY SIGN SUPPORT W10 X 26	FT	136	136
STL BREAK-AWAY SIGN SUPPORT W14 X 30	FT	36	36
LARGE REFERENCE MARKERS	EA	7	7
3) LARGE REFERENCE MARKER PANELS	EA	7	7
SIGN POSTS, WOOD 4 X 6 in	FT	36	40
SIGN POSTS, WOOD 6 X 6 in	FT	1196	1200
SIGN POSTS, WOOD 6 X 8 in	FT	326	330
4) SIGN POST, SQ TUBULAR STL	EA	42	42
SIGN PANELS, EXTRUDED ALUMINUM	SF	1847	1847
SIGN PANELS, ALUMINUM	SF	1188.75	1189
5) RESET SIGNS	LS	LUMP SUM	LUMP SUM
6) FLEXIBLE DELINEATORS, TYPE II	EA	585	590
7) FLEXIBLE DELINEATORS, TYPE IV	EA	20	20
7) FLEXIBLE DELINEATORS, TYPE V	EA	28	28

(A) SEE DRILLED SHAFT ACCUMULATION SUMMARY.

1) 35 SIGN INSTALLATIONS TO BE REMOVED.

2) THIS ITEM IS FOR THE BOLLARD INSTALLATION. SEE SHEET TR42.

3) REFERENCE MARKER PANELS, EA, CONSISTS OF A COMPLETE PANEL ASSEMBLY PER LOCATION.

4) BID ITEM SIGN POST, SQ TUBULAR STL CONSISTS OF 42-2" X 2" X 12 GA STEEL POSTS.

5) 8 SIGN INSTALLATIONS TO BE REMOVED AND RESET.

6) 54 TYPE II WHITE FLEXIBLE DELINEATORS, 100' SPACING, EB OUTSIDE SHOULDER, (STA. 400+00 - 454+00).

242 TYPE II WHITE FLEXIBLE DELINEATORS, 100' SPACING, EB INSIDE & OUTSIDE SHOULDERS, (STA. 456+00 - 577+00).

18 TYPE II WHITE FLEXIBLE DELINEATORS, 100' SPACING, EB OUTSIDE SHOULDERS, (STA. 577+00 - 595+00).

110 TYPE II WHITE FLEXIBLE DELINEATORS, 100' SPACING, WB OUTSIDE SHOULDERS, (STA. 700+00 - 808+00).

37 TYPE II YELLOW FLEXIBLE DELINEATORS, 100' SPACING, EB INSIDE SHOULDER, (STA. 419+00 - 456+00).

89 TYPE II YELLOW FLEXIBLE DELINEATORS, 100' SPACING, WB INSIDE SHOULDER, (STA. 700+00 - 787+00).

35 TYPE II YELLOW FLEXIBLE DELINEATORS, 100' SPACING, PLACED AT EB\WB REST ROOM AND TRANSIT AREAS & EB NO PARKING LOCATIONS.

7) PLACED AT MAINTENANCE TURN AROUNDS.

FOR DELINEATOR PLACEMENT, SEE STANDARD PLAN SHEET 702-1C.

PERMANENT SIGNING NOTES:

1. SEE MUTCD STANDARD SIGN LAYOUTS FOR ALL SIGNS DESCRIBED WITH AN MUTCD CODE IN HIGHWAY SIGN SUMMARY. FOR ALL OTHER NON-STANDARD SIGNS, REQUEST SIGN FABRICATION LAYOUT SHEETS FROM THE WYDOT TRAFFIC PROGRAM.

2. EACH INSTALLATION IS FIELD CHECKED BEFORE TIMBER BREAK-AWAY POSTS ARE ORDERED. POST LENGTHS (2 FT INCREMENTS) ARE SUPPLIED BY THE ENGINEER. NO VARIATION IN MOUNTING HEIGHT IS PERMITTED.

3. EACH INSTALLATION IS FIELD CHECKED BEFORE SQUARE TUBULAR STEEL POSTS ARE ORDERED. POST LENGTHS (1 FT INCREMENTS) ARE SUPPLIED BY THE ENGINEER. NO VARIATION IN MOUNTING HEIGHT IS PERMITTED.

4. EACH INSTALLATION IS FIELD CHECKED BEFORE STEEL WF SIGN POSTS ARE ORDERED. POST LENGTHS (1 in INCREMENTS) ARE SUPPLIED BY THE ENGINEER. NO VARIATION IN MOUNTING HEIGHT IS PERMITTED.

5. RETROREFLECTIVE TYPE IX SHEETING FOR LETTERS AND SYMBOLS, AND RETROREFLECTIVE TYPE IV SHEETING FOR BACKGROUND IS REQUIRED FOR ALL NEW WHITE ON GREEN SIGN PANELS, EXCLUDING REFERENCE MARKER PANELS.

6. RETROREFLECTIVE TYPE IV SHEETING IS REQUIRED FOR ALL NEW SIGN PANELS NOT INCLUDED IN NOTE 5.

7. 3M SERIES 1170 BLACK SHEETING OR APPROVED EQUAL IS REQUIRED FOR ALL NEW SIGN PANELS CALLING FOR BLACK LEGEND AND BORDER.

8. AT LOCATIONS WHERE DRILLED SHAFT FOUNDATIONS ARE TO BE REMOVED: REMOVE TOP OF FOUNDATION TO A MINIMUM OF 6" BELOW GRADE OR COMPLETELY REMOVE DRILLED SHAFT FOUNDATION. AFTER REMOVAL FILL HOLE TO EXISTING GRADE. REMOVED DRILLED SHAFT FOUNDATIONS ARE PROPERTY OF CONTRACTOR.

9. TO ENSURE PROPER INSTALLATION PRACTICES OF DRILLED SHAFTS, PROVIDE ONE OF THE FOLLOWING: PROVIDE CURRENT INSTALLATION CERTIFICATIONS ISSUED BY THE STL BREAK-AWAY SIGN SUPPORT MANUFACTURER FOR EACH INSTALLER WORKING ON THE PROJECT PRIOR TO BEGINNING WORK OR PROVIDE A MANUFACTURER REPRESENTATIVE ON-SITE AT THE START OF FOUNDATIONS AND SUPPORT POSTS INSTALLATION. THE REPRESENTATIVE WILL PROVIDE TRAINING TO BOTH THE CONTRACTOR AND DEPARTMENT ON PROPER INSTALLATION TECHNIQUES.

10. SHOP DRAWINGS ARE REQUIRED FOR SIGN NUMBERS 2, 4, 9, 124, 126, 131, 132, 133, 134 AND 139.

BILL OF MATERIALS FOR THE LUMP SUM BID ITEM
 "ROADWAY LIGHTING SYSTEM"
 (THIS BILL OF MATERIALS IS FOR INFORMATIONAL PURPOSES ONLY)

ITEM		UNIT	NOTE	SP-3 & SP-3A	SP-4 & SP-4A	SP-5 & SP-5A	SP-6 & SP-6A	SP-7 & SP-7A	SP-8 & SP-8A	QUANTITY	SUBMIT FOR APPROVAL
701.12300	CONDUIT BORING	FT	1	500	850	700	1200	950	700	4900	N/A
701.17120	CONDUIT-RIGID PVC 2"	FT		1250	400	2600	5950	6050	4600	20850	NO
701.17130	CONDUIT-RIGID PVC 3"	FT		1400	1350	-	1050	-	-	3800	NO
701.20100	PULL BOX TYPE A	EA		3	2	11	20	25	18	79	YES
701.20200	PULL BOX TYPE B	EA		4	4	-	3	-	-	11	YES
701.21100	SERVICE POINT LIGHTING	EA	3	1	1	1	1	1	1	6	YES
701.21310	SERVICE POINT PEDESTAL	EA	3	1	1	1	1	1	1	6	YES
701.24060	STL POLE TYPE VI	EA		-	-	-	15	25	17	57	YES
701.2407B	HIGH MAST LIGHTING STANDARD	EA		-	1	-	3	-	-	4	YES
701.2407E	REMOVE & REINSTALL HIGHMAST LIGHTING STANDARD	EA		4	3	-	-	-	-	7	N/A
701.2407G	HIGHMAST STANDARD CONCRETE PAD	EA	2	4	4	-	3	-	-	11	N/A
701.24400	INSTALL LIGHTING POLE	EA		2	1	11	5	-	-	19	N/A
701.24410	HIGH MAST LOWERING DEVICES	EA		-	1	-	3	-	-	4	YES
701.2441A	REMOVE HIGH MAST LOWERING DEVICES	EA		4	3	-	3	-	-	10	N/A
701.24420	HIGH MAST LIGHTING CONTROL CABINET	EA		-	1	-	3	-	-	4	YES
701.2442B	REMOVE & REINSTALL HIGHMAST LIGHTING CONTROL CABINET	EA	4	4	3	-	-	-	-	7	N/A
701.2442C	HIGHMAST CABINET CONCRETE PAD	EA		4	4	-	3	-	-	11	N/A
701.24600	REMOVE LIGHTING POLE	EA		2	1	11	5	-	-	19	N/A
701.25600	REMOVE POLE FOUNDATION	EA		2	1	11	5	-	-	19	N/A
701.40100	CONNECTOR KIT - FUSED I	EA		2	2	11	20	25	17	77	YES
701.62100	ROADWAY LUMINAIRE	EA	5	-	-	-	20	25	17	62	YES
701.6210C	HIGHMAST LUMINAIRE	EA	5	-	6	-	18	-	-	24	YES
701.6210E	REMOVE AND REINSTALL HIGHMAST LUMINAIRE	EA		24	18	-	-	-	-	42	N/A
701.62600	REMOVE ROADWAY LUMINAIRE	EA		2	1	11	5	-	-	19	YES

- NOTES:
- THIS ITEM INCLUDES THE CONDUIT QUANTITY AS THE BORE. SEE RESPECTIVE LAYOUT SHEET FOR CONDUIT SIZE.
 - ENSURE TOP OF CONCRETE PAD IS WITHIN 33" OF THE BOTTOM SERVICE PORTAL.
 - SERVICE POINTS WITH A SUB-PANEL WILL BOTH REQUIRE A PULL BOX TYPE B.
 - REMOVAL OF THE HIGHMAST LIGHTING CONTROL CABINET FOOTING IS INCIDENTAL TO THIS BID ITEM.
 - SEE POLE AND LUMINAIRE SCHEDULE FOR LUMINAIRE DETAILS.

ROADWAY LIGHTING
POLE & LUMINAIRE SCHEDULE

POLE					MAST ARM		LUMINAIRE			
POLE NO.	LOCATION	LATERIAL CLEARANCE FROM EDGE OF PAVEMENT	TYPE	BASE	LENGTH	25° ROTATION	MOUNTING HEIGHT	TYPE	VOLTS	SERVICE POINT
E52	SEE LAYOUT SHEET	8'-0"	STEEL	SLIP	8'-0"	COUNTER CLOCKWISE	30'	LED	120 VAC	SP-10A
E53	SEE LAYOUT SHEET	8'-0"	STEEL	SLIP	8'-0"	CLOCKWISE	30'	LED	120 VAC	SP-10A
E54	SEE LAYOUT SHEET	8'-0"	STEEL	SLIP	8'-0"	COUNTER CLOCKWISE	30'	LED	120 VAC	SP-10A

- NOTES:
PROVIDE ONE OF THE FOLLOWING OR APPROVED EQUAL:
- PROVIDE LUMEC, ROADFOCUS PLUS LED COBRA - MEDIUM (RPM)
 - **RPM-145W60LED-730-G1-R2M-UNV-ZD4i-TLRD7-PH9-TLRSR-API-BABA**
(POLE TOP TENON BRACKET WHEN REQUIRED)
 - PROVIDE HOLOPHANE, MONGOOSE
 - **MGLEDM-P21-30K-MVOLT-D4i-WR-VH-BKSD-PR7-ZRB-SH (10-YEAR WARRANTY)**

HIGHMAST LIGHTING POLE & LUMINAIRE SCHEDULE

POLE						
POLE NO.	TYPE	POLE	LENGTH	TYPE	VOLTS	SERVICE POINT
E3	EXISTING HIGH MAST TO BE REINSTALLED					SP-3A
E4	EXISTING HIGH MAST TO BE REINSTALLED					SP-3A
E5	EXISTING HIGH MAST TO BE REINSTALLED					SP-3A
E6	EXISTING HIGH MAST TO BE REINSTALLED					SP-3A
E7	EXISTING HIGH MAST TO BE REINSTALLED					SP-3A
E9	EXISTING HIGH MAST TO BE REINSTALLED					SP-4A
E10	EXISTING HIGH MAST TO BE REINSTALLED					SP-4A
E11	STEEL	FIXED	80'	LED	240 VAC	SP-4A
W4	STEEL	FIXED	80'	LED	240 VAC	SP-6
W5	STEEL	FIXED	80'	LED	240 VAC	SP-6
W6	STEEL	FIXED	80'	LED	240 VAC	SP-6

- NOTES:
PROVIDE ONE OF THE FOLLOWING OR APPROVED EQUAL:
- CAROLINA HIGH MAST:
 - **CLED2-6C-G-30-70-A-T2-SC**
 - HOLOPHANE:
 - **HMLED4-PK2-30K-MVOLT-HGR-FTA-AO-SH**
 - LOCATIONS REQUIRING TYPE 2 LIGHT DISTRIBUTION: ORIENT 3 FIXTURES TOWARDS THE HIGHWAY AND 3 FIXTURES AWAY FROM THE HIGHWAY.

WYOMING DEPARTMENT OF TRANSPORTATION

ELECTRICAL

POLE & LUMINAIRE SCHEDULE

DESIGNER: CHR	DATE: 3-2-2026	REV:
ENGINEER: WDR	SHEET <u>3</u> OF 3	