

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO.	<u>1</u>	DATED	<u>1/23/2020</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	<u>2</u>	DATED	<u>2/7/2020</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number	Description
1	Revised Table of Contents; Revised NTB Nos. 2066, & 2068; Added NTB No. 2172; NTB No. 2206 replaces NTB No. 1206; NTB No. 2214 replaces NTB No. 7 with Supplement; Revised Wage Rates; Revised or Added Plan Sheet Nos. 8001-8002, 8080, & 8147; Amendment EBSx Download Required.
2	Revised Table of Contents; Added SP 907-699-1; Revised Bid Items; Amendment EBSx Download Required.

TOTAL ADDENDA: 2
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____	President	Address
_____	Secretary	Address
_____	Treasurer	Address

The following is my (our) itemized proposal.
 NHAPD-0078-01(011)N/ 102076301000
 Itawamba County(ies)
 Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TABLE OF CONTENTS**

PROJECT: NHAPD-0078-01(011)N/102076301 - Itawamba

Section 901 - Advertisement

Section 904 - Notice to Bidders

#1	Governing Specification
#2	Status of ROW, w/ Attachments
#3	Final Cleanup
#6	Storm Water Discharge Associated with Construction Activity (> 5 Acres)
#9	Federal Bridge Formula
#13	Safety Edge
#21	Intermediate Diaphragms
#23	Exposure to Moderate Sulfate Areas Below Ground Level
#113	Tack Coat
#114	Right-of-Way Plat
#296	Reduced Speed Limit Signs
#445	Mississippi Agent and Qualified Nonresident Agent
#516	Errata and Modifications to the 2017 Standard Specifications
#757	Additional Erosion Control Requirements
#977	DUNS Requirement For Federal Funded Projects
#1225	Early Notice to Proceed
#1226	Material Storage Under Bridges
#1241	Fuel and Material Adjustments
#1434	Erosion Control Plan
#1963	Guardrail Pads
#2061	Reflective Sheeting for Signs
#2064	Contract Time
#2065	Specialty Items
#2066	Placement of Fill Material in Federally Regulated Areas
#2067	Floc Blocks
#2068	Disturbed Area
#2172	App for Storm Water Reports
#2206	MASH Compliant Devices
#2214	Disadvantaged Business Enterprise In Federal-Aid Highway Construction, w/ Supplement
906	Required Federal Contract Provisions - FHWA 1273, w/ Supplements, and Attachment A

Section 907 - Special Provisions

907-102-2	Bidding Requirements and Conditions
907-107-2	Contractor's Erosion Control Plan
907-109-1	Measurement and Payment
907-228-1	Erosion Control Blankets
907-241-1	Floc Blocks
907-253-1	Coir Fiber Baffle
907-619-5	Traffic Control for Construction Zones

PROJECT: NHAPD-0078-01(011)N/102076301 - Itawamba

907-624-1	Inverted Profile Thermoplastic Traffic Stripe
907-626-9	Audible Thermoplastic Traffic Markings
907-626-10	Audible Bump Thermoplastic Traffic Markings
907-630-3	LED Enhanced Traffic Sign
907-699-1	Unmanned Aerial System (UAS)
907-701-1	Hydraulic Cement
907-702-4	Bituminous Materials
907-703-1	Gradation
907-705-1	Stone Riprap
907-707-2	Joint Material
907-708-2	Reinforced Concrete Pipe
907-711-2	Plain Steel Wire
907-720-2	Acceptance Procedure for Glass Beads
907-721-1	Materials for Signing
907-803-4	Test Piles
907-804-6	Concrete Bridges and Structures
906-8	Training Special Provisions

Section 905 - Proposal, Proposal Bid Items, Combination Bid Proposal
Certification of Performance - Prior Federal-Aid Contracts
Certification Regarding Non-Collusion, Debarment and Suspension
SAM.GOV Registration and DUNS Number
Section 902 - Contract Form
Section 903 - Contract Bond Forms
Form -- OCR-485

Pile and Driving Equipment Data Form

(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

02/07/2020 10:46 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-699-1

CODE: (SP)

DATE: 02/07/2020

SUBJECT: Unmanned Aerial System (UAS)

PROJECT: NH-APD-0078-01(011)N / 102076301 - Itawamba County

Section 699, Construction Stakes, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-699.01--Description. After the last paragraph of Subsection 699.01 on page 705, add the following.

This work also includes leasing and operating an Unmanned Aerial System (UAS) furnished by Kespry that will be used to study the effectiveness of drones as a method for calculating earthwork quantities.

907-699.02--Materials. After the last paragraph of Subsection 699.02 on page 706, add the following.

907-699.02.1--Unmanned Aerial System. The UAS shall be a Kespry system utilizing the Phantom 4 RTK drone and shall include the drone and all elements related to flight, including but not limited to, ground control stations, data links, dashboards, applications, survey equipment, Kespry hardware and software, Kespry cloud service, aerial photos, and all incidentals necessary to collect and manipulate the data. The Contractor will be responsible for obtaining a lease by entering into a contract with Kespry and maintaining it throughout the life of the project or until otherwise advised by the Engineer.

Kespry's contact information is as follows:

Ben Lee
Strategic Accounts
(770) 335-1792
blee@kespry.com
www.kespry.com

907-699.03--Construction Requirements. After Subsection 699.03.3.4 on page 711, add the following.

907-699.03.4--Unmanned Aerial System. The Department will be conducting a study on this project to evaluate the use of drones as a method of calculating earthwork quantities. In doing so, the Contractor will be required to furnish and fly a UAS (drone) and related equipment with a Contractor provided FAA licensed drone pilot. The data received from the UAS will be used **for**

informational purposes only. Actual pay quantities will be determined using normal Departmental procedures. **Discrepancies between data obtained by the UAS and quantities determined by normal Departmental procedures will not be considered as a basis for a claim against the Department.** The Contractor shall furnish the UAS and perform flights for the life of the project or until otherwise advised by the Engineer.

The UAS will be used to perform surveys a minimum of once per week. The areas surveyed will be at the discretion of the MDOT Project Engineer. The MDOT Project Engineer or a designated MDOT employee must be present during drone flights. The Contractor will be responsible for obtaining all necessary training, FAA and/or otherwise, for their designated pilot(s). Prior to or at the preconstruction conference, the Contractor shall designate in writing the names of the Contractor's pilot(s) who will be flying the UAS. The Contractor must make available all data, including aerial photos, gathered by the UAS to the Engineer on a weekly basis and must take all necessary steps to ensure that data is maintained throughout the life of the project. No earthwork activities except for clearing and grubbing shall be done before the initial flight.

907-699.04--Method of Measurement. After Subsection 699.04.2 on page 712, add the following.

907-699.04.3--Unmanned Aerial System. Unmanned Aerial System shall be measured for payment at the contract lump sum price. Payments will be measured in accordance with the following schedule:

- (a) Thirty percent (30%) of the amount bid for unmanned aerial system will be paid on the first monthly estimate.
- (b) Thirty percent (30%) of the amount bid for unmanned aerial system will be paid on the monthly estimate after one (1) year from Notice to Proceed.
- (c) The remainder of the amount bid for unmanned aerial system will be paid on the monthly estimate after two (2) years from Notice to Proceed.

907-699.05--Basis of Payment. After the sentence in Subsection 699.05 on page 712, add the following.

Unmanned Aerial System, measured as prescribed above, will be paid for at the contract lump sum price, which price shall be full compensation for the equipment, software with updates, lease agreement with renewals, support, training costs, and all incidentals necessary to collect and manipulate the data.

Add the following to the list of pay items on page 712.

907-699-C: Unmanned Aerial System

- lump sum

Grade, Drain, Bridge, & Pave 4-Lane approximately 9 miles of APD Corridor "V" between Fairview & SR 23, known as Federal Aid Project No. NH-APD-0078-01(011)N / 102076301 in Itawamba County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	201-B001		13	Acre	Clearing and Grubbing
0030	202-A001		1	Lump Sum	Removal of Obstructions
0040	202-B007		23,425	Square Yard	Removal of Asphalt Pavement, All Depths
0050	202-B011		120	Linear Feet	Removal of Barricade, All Types
0060	202-B063		375	Square Yard	Removal of Concrete Paved Ditch
0070	202-B165		3	Each	Removal of Inlets, All Sizes
0080	202-B172		77	Square Feet	Removal of Legend, All Types
0090	202-B191		243	Linear Feet	Removal of Pipe, 8" And Above
0100	202-B215		40	Each	Removal of Sign Including Post & Footing
0110	202-B240		9,000	Linear Feet	Removal of Traffic Stripe
0120	203-A001	(E)	2,768,838	Cubic Yard	Unclassified Excavation, FM, AH
0130	203-EX020	(E)	1,215,589	Cubic Yard	Borrow Excavation, AH, FME, Class B9
0140	203-EX021	(E)	86,135	Cubic Yard	Borrow Excavation, AH, FME, Class B9-6
0150	203-G001	(E)	358,038	Cubic Yard	Excess Excavation, FM, AH
0160	203-I002		23,379	Square Yard	Site Grading
0170	206-A001	(S)	9,064	Cubic Yard	Structure Excavation
0180	206-B001	(E)	610	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0190	209-A005		28,849	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0200	211-B001	(E)	213,855	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished
0210	213-C001		268	Ton	Superphosphate
0220	216-A001		31,401	Square Yard	Solid Sodding
0230	217-A001		11,922	Square Yard	Ditch Liner
0240	219-A001		628	Thousand Gallon	Watering [\$20.00]
0250	220-A001		268	Acre	Insect Pest Control [\$30.00]
0260	221-A001	(S)	2,803	Cubic Yard	Concrete Paved Ditch
0270	223-A001		3,210	Acre	Mowing [\$50.00]
0280	224-A001		5,000	Square Yard	Soil Reinforcing Mat
0290	225-A001		536	Acre	Grassing
0300	225-B001		268	Ton	Agricultural Limestone
0310	225-C001		1,075	Ton	Mulch, Vegetative Mulch
0320	226-A001		536	Acre	Temporary Grassing

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	229-A001		5,000	Square Yard	Erosion Mat
0340	234-A001		60,000	Linear Feet	Temporary Silt Fence
0350	234-C001		7,100	Linear Feet	Super Silt Fence
0360	234-D001		81	Each	Inlet Siltation Guard
0370	234-E001		81	Each	Reset Inlet Siltation Guard
0380	235-A001		10,700	Each	Temporary Erosion Checks
0390	236-A008		57	Each	Silt Basin, Type D
0400	237-A001		500	Linear Feet	Wattles, 12"
0410	237-A002		23,800	Linear Feet	Wattles, 20"
0420	239-A001		16,000	Linear Feet	Temporary Slope Drains
0430	245-A001		23,800	Linear Feet	Silt Dike
0440	246-B002		24,200	Linear Feet	Rockbags
0450	247-A001		6	Each	Temporary Stream Diversion
0460	249-A001		10,000	Ton	Riprap for Erosion Control
0470	304-B001	(GT)	76,555	Ton	Granular Material, Class 3, Group C
0480	304-B009	(GT)	176,642	Ton	Granular Material, Class 9, Group C
0490	307-B003	(M)	238,233	Square Yard	6" Soil-Lime-Water Mixing, Class B
0500	307-D001		3,217	Ton	Lime
0510	307-S001	(A3)	59,559	Gallon	Bituminous Curing Seal
0520	308-A001		6,695	Ton	Cement
0530	308-B002	(M)	367,635	Square Yard	Soil-Cement-Water Mixing, Optional Mixers, Base
0540	308-B003	(M)	238,233	Square Yard	Soil-Cement-Water Mixing, Optional Mixers, Design Soil
0550	308-S001	(A3)	151,468	Gallon	Bituminous Curing Seal
0560	321-A001		2	Mile	12" In-Grade Preparation
0570	403-A002	(BA1)	74,056	Ton	12.5-mm, MT, Asphalt Pavement
0580	403-A003	(BA1)	2,967	Ton	12.5-mm, ST, Asphalt Pavement
0590	403-A006	(BA1)	42,602	Ton	19-mm, ST, Asphalt Pavement
0600	403-A014	(BA1)	28,717	Ton	9.5-mm, MT, Asphalt Pavement
0610	403-A015	(BA1)	2,557	Ton	9.5-mm, ST, Asphalt Pavement
0620	403-C003	(BA1)	193	Ton	19-mm, ST, Asphalt Pavement, Trench Widening
0630	406-D001		21,500	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0640	407-A001	(A2)	106,310	Gallon	Asphalt for Tack Coat
0650	408-A002	(A3)	1,879	Gallon	Asphalt for Prime Coat, Cut-Back MC-70 or Emulsified EA-1
0660	413-E001		730	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	423-A001		30	Mile	Rumble Strips, Ground In
0680	501-E001		730	Linear Feet	Expansion Joints, Without Dowels
0690	502-A001	(C)	1,582	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0700	601-A001	(S)	2,040	Cubic Yard	Class "B" Structural Concrete
0710	601-B001	(S)	127	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0720	602-A001	(S)	506,902	Pounds	Reinforcing Steel
0730	603-ALT003	(S)	2,384	Linear Feet	18" Type A Alternate Pipe
0740	603-ALT006	(S)	440	Linear Feet	24" Type A Alternate Pipe
0750	603-ALT011	(S)	192	Linear Feet	36" Type A Alternate Pipe
0760	603-ALT014	(S)	128	Linear Feet	42" Type A Alternate Pipe
0770	603-ALT018	(S)	88	Linear Feet	54" Type A Alternate Pipe
0780	603-CA011	(S)	5,320	Linear Feet	18" Reinforced Concrete Pipe, Class III
0790	603-CA013	(S)	256	Linear Feet	18" Reinforced Concrete Pipe, Class IV
0800	603-CA020	(S)	584	Linear Feet	18" Reinforced Concrete Pipe, Class V, Class B Bedding
0810	603-CA026	(S)	488	Linear Feet	24" Reinforced Concrete Pipe, Class III
0820	603-CA029	(S)	552	Linear Feet	24" Reinforced Concrete Pipe, Class IV, Class B Bedding
0830	603-CA040	(S)	192	Linear Feet	30" Reinforced Concrete Pipe, Class III
0840	603-CA042	(S)	584	Linear Feet	30" Reinforced Concrete Pipe, Class IV
0850	603-CA043	(S)	560	Linear Feet	30" Reinforced Concrete Pipe, Class IV, Class B Bedding
0860	603-CA055	(S)	392	Linear Feet	36" Reinforced Concrete Pipe, Class III
0870	603-CA057	(S)	232	Linear Feet	36" Reinforced Concrete Pipe, Class IV
0880	603-CA058	(S)	248	Linear Feet	36" Reinforced Concrete Pipe, Class IV, Class B Bedding
0890	603-CA068	(S)	240	Linear Feet	42" Reinforced Concrete Pipe, Class IV
0900	603-CA069	(S)	328	Linear Feet	42" Reinforced Concrete Pipe, Class IV, Class B Bedding
0910	603-CA073	(S)	336	Linear Feet	42" Reinforced Concrete Pipe, Class V, Class B Bedding
0920	603-CA087	(S)	416	Linear Feet	54" Reinforced Concrete Pipe, Class III
0930	603-CA089	(S)	344	Linear Feet	54" Reinforced Concrete Pipe, Class IV
0940	603-CA095	(S)	360	Linear Feet	54" Reinforced Concrete Pipe, Class V, Class B Bedding
0950	603-CA099	(S)	880	Linear Feet	60" Reinforced Concrete Pipe, Class III
0960	603-CA102	(S)	264	Linear Feet	60" Reinforced Concrete Pipe, Class IV, Class B Bedding
0970	603-CA107	(S)	264	Linear Feet	60" Reinforced Concrete Pipe, Class V, Class B Bedding,
0980	603-CA119	(S)	272	Linear Feet	72" Reinforced Concrete Pipe, Class III
0990	603-CA121	(S)	224	Linear Feet	72" Reinforced Concrete Pipe, Class IV

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1000	603-CB003	(S)	52	Each	18" Reinforced Concrete End Section
1010	603-CB004	(S)	15	Each	24" Reinforced Concrete End Section
1020	603-CB005	(S)	12	Each	30" Reinforced Concrete End Section
1030	603-CB006	(S)	8	Each	36" Reinforced Concrete End Section
1040	603-CB007	(S)	6	Each	42" Reinforced Concrete End Section
1050	603-CB009	(S)	8	Each	54" Reinforced Concrete End Section
1060	603-CB010	(S)	11	Each	60" Reinforced Concrete End Section
1070	603-CB012	(S)	4	Each	72" Reinforced Concrete End Section
1080	603-CE018	(S)	176	Linear Feet	44" x 27" Concrete Arch Pipe, Class A III
1090	603-CF005	(S)	4	Each	44" x 27" Concrete Arch Pipe End Section
1100	603-SB011	(S)	2	Each	18" Branch Connections, Stub into Box Bridge
1110	604-B001		25,377	Pounds	Gratings
1120	605-AA001	(S)	2,373	Square Yard	Geotextile for Subsurface Drainage, Type III
1130	605-O004	(S)	2,736	Linear Feet	6" Perforated Sewer Pipe for Underdrains, SDR 23.5
1140	605-P004	(S)	2,500	Linear Feet	6" Non-perforated Sewer Pipe for Underdrains, SDR 23.5
1150	605-W001	(GY)	177	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
1160	606-B001		1,800	Linear Feet	Guard Rail, Class A, Type 1
1170	606-D022		16	Each	Guard Rail, Bridge End Section, Type I
1180	606-E001		16	Each	Guard Rail, Terminal End Section
1190	609-D004	(S)	5,273	Linear Feet	Combination Concrete Curb and Gutter Type 2 Modified
1200	612-B001		33	Cubic Yard	Flowable Fill, Non-Excavatable
1210	615-A002	(S)	320	Linear Feet	Concrete Bridge End Barrier, 33.5"
1220	616-A001	(S)	215	Square Yard	Concrete Median and/or Island Pavement, 10-inch
1230	616-A004	(S)	1,048	Square Yard	Concrete Median and/or Island Pavement, 4-inch
1240	617-A001		240	Each	Right-of-Way Marker
1250	618-A001		1	Lump Sum	Maintenance of Traffic
1260	619-A1001		6	Mile	Temporary Traffic Stripe, Continuous White
1270	619-A1006		2	Mile	Temporary Traffic Stripe, Continuous White, Type 1 Tape
1280	619-A2001		6	Mile	Temporary Traffic Stripe, Continuous Yellow
1290	619-A2005		2	Mile	Temporary Traffic Stripe, Continuous Yellow, Type 1 Tape
1300	619-A5001		2,500	Linear Feet	Temporary Traffic Stripe, Detail
1310	619-A5003		105	Linear Feet	Temporary Traffic Stripe, Detail, Type 1 Tape
1320	619-A6002		1,665	Linear Feet	Temporary Traffic Stripe, Legend

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1330	619-A6005		77	Linear Feet	Temporary Traffic Stripe, Legend, Type 1 Tape
1340	619-C7001		316	Each	Two-Way Yellow Reflective High Performance Raised Marker
1350	619-D1001		515	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
1360	619-D2001		3,278	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
1370	619-E1001		1	Each	Flashing Arrow Panel, Type C
1380	619-F1001		500	Linear Feet	Concrete Median Barrier, Precast
1390	619-F2001		500	Linear Feet	Remove and Reset Concrete Median Barrier, Precast
1400	619-G4001		1,350	Linear Feet	Barricades, Type III, Double Faced
1410	619-G5001		397	Each	Free Standing Plastic Drums
1420	619-G7001		53	Each	Warning Lights, Type "B"
1430	619-J1002		2	Each	Impact Attenuator, 45 MPH
1440	619-J3001		2	Each	Remove and Reset Impact Attenuator
1450	620-A001		1	Lump Sum	Mobilization
1460	621-A001		1	Each	Field Laboratory
1470	626-A004		20	Mile	6" Thermoplastic Traffic Stripe, Skip White
1480	626-C004		20	Mile	6" Thermoplastic Edge Stripe, Continuous White
1490	626-E004		4	Mile	6" Thermoplastic Traffic Stripe, Continuous Yellow
1500	626-F003		15	Mile	6" Thermoplastic Edge Stripe, Continuous Yellow
1510	626-G002		31,643	Linear Feet	Thermoplastic Detail Stripe, White
1520	626-G003		27,377	Linear Feet	Thermoplastic Detail Stripe, Yellow
1530	626-H004		1,631	Square Feet	Thermoplastic Legend, White
1540	626-H005		4,974	Linear Feet	Thermoplastic Legend, White
1550	627-J001		544	Each	Two-Way Clear Reflective High Performance Raised Markers
1560	627-K001		2,497	Each	Red-Clear Reflective High Performance Raised Markers
1570	627-L001		348	Each	Two-Way Yellow Reflective High Performance Raised Markers
1580	630-A001		1,503	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
1590	630-A003		623	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
1600	630-A005		82	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness
1610	630-B002		383	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
1620	630-C002		117	Linear Feet	Steel U-Section Posts, 2.0 lb/ft
1630	630-C003		2,498	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
1640	630-D008		477	Linear Feet	Structural Steel Beams, W6 x 9
1650	630-E002		510	Pounds	Structural Steel Angles & Bars, 3" x 3" x 1/4" Angles

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1660	630-E004		2,872	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar
1670	630-F002		10	Each	Delineators, Flexible Post Mounted, Crossover, Type I, Yellow
1680	630-F003		46	Each	Delineators, Flexible Post Mounted, Crossover, Type II , Yellow
1690	630-F006		48	Each	Delineators, Guard Rail, White
1700	630-F007		48	Each	Delineators, Guard Rail, Yellow
1710	630-G004		16	Each	Type 3 Object Markers, OM-3R or OM-3L
1720	630-K001		166	Linear Feet	Welded & Seamless Steel Pipe Posts, 3 1/2"
1730	630-K002		31	Linear Feet	Welded & Seamless Steel Pipe Posts, 3"
1740	630-K003		391	Linear Feet	Welded & Seamless Steel Pipe Posts, 4"
1750	638-A002		2	Each	Flashing Assembly, Advanced Warning , Stop Ahead
1760	699-A001		1	Lump Sum	Roadway Construction Stakes
1770	815-A007	(S)	30,870	Ton	Loose Riprap, Size 300
1780	815-A009	(S)	30,500	Ton	Loose Riprap, Size 500
1790	815-E001	(S)	55,680	Square Yard	Geotextile under Riprap
1800	815-F002	(S)	4,283	Ton	Sediment Control Stone
1810	907-228-A002		24,000	Square Yard	Erosion Control Blanket, Type II
1820	907-241-A001		50	Each	Floc Blocks
1830	907-253-A001		9,994	Linear Feet	Coir Fiber Baffle
1840	907-619-E3001		8	Each	Changeable Message Sign
1850	907-630-A001		32	Square Feet	Standard Roadside Signs, LED Enhanced , R1-1
1854	907-699-C001		1	Lump Sum	Unmanned Aerial System
1860	907-804-B001	(S)	612	Cubic Yard	Box Bridge Concrete, Class B
1870	907-832-PP003		5,000	Square Yard	Concrete Mat
1880	907-906001		1,040	Hours	Trainees [\$5.00]
ALTERNATE GROUP AA NUMBER 1					
1890	304-F001	(GT)	8,629	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
1900	304-F002	(GT)	8,629	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
1910	304-F003	(GT)	8,629	Ton	Size 825B Crushed Stone Base
ALTERNATE GROUP BB NUMBER 1					
1920	605-W002	(GY)	2,723	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
ALTERNATE GROUP BB NUMBER 2					
1930	605-W003	(GY)	2,723	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM
ALTERNATE GROUP CC NUMBER 1					

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1940	907-624-A002		3,298	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Skip White
1950	907-624-B002		3,298	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White
1960	907-624-D002		3,298	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous Yellow
ALTERNATE GROUP CC NUMBER 2					
1970	628-G001		3,298	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Skip White
1980	628-H001		3,298	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous White
1990	628-J001		3,298	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous Yellow
ALTERNATE GROUP DD NUMBER 1					
2000	907-626-C008		4,790	Linear Feet	Thermoplastic Audible Edge Stripe
ALTERNATE GROUP DD NUMBER 2					
2010	907-626-C009		4,790	Linear Feet	Thermoplastic Audible Bump Edge Stripe
Bridge Items					
2020	501-K001		13,120	Square Yard	Transverse Grooving
2030	803-D006	(S)	12,430	Linear Feet	HP 14 x 73 Steel Piling
2040	803-D007	(S)	29,520	Linear Feet	HP 14 x 89 Steel Piling
2050	804-C002	(S)	4,788	Linear Feet	100' Prestressed Concrete Beam, Type IV
2060	804-C026	(S)	1,317	Linear Feet	110' Prestressed Concrete Beam, Type IV
2070	804-C051	(S)	1,557	Linear Feet	130' Prestressed Concrete Beam, Type BT-72
2080	804-C065	(S)	1,894	Linear Feet	40' Prestressed Concrete Beam, Type I+2
2090	804-C084	(S)	7,120	Linear Feet	60' Prestressed Concrete Beam, Type II+2
2100	804-C121	(S)	2,857	Linear Feet	80' Prestressed Concrete Beam, Type III
2110	805-A001	(S)	1,097,184	Pounds	Reinforcement
2120	813-A002	(S)	6,595	Linear Feet	Concrete Railing, 32"
2130	815-A007	(S)	14,441	Ton	Loose Riprap, Size 300
2140	815-E001	(S)	10,697	Square Yard	Geotextile under Riprap
2150	907-803-B001	(S)	8	Each	Conventional Static Pile Load Test [\$5,000.00]
2160	907-803-I003	(S)	32	Each	PDA Test Pile, HP Steel Pile
2170	907-803-J001	(S)	32	Each	Pile Restrike
2180	907-804-A002	(S)	1,919	Cubic Yard	Bridge Concrete, Class AA
2190	907-804-A004	(S)	4,022	Cubic Yard	Bridge Concrete, Class BD