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.	**1**	DATED	**9/20/2016**	ADDENDUM NO.		DATED	
ADDENDUM NO		DATED		ADDENDUM NO.		DATED	

Number	Description
1	Revised Table of Contents; Revised NTB No. 6607; Add NTB No. 6692; Revised Supplement to SP 907-618-14; Add SP 907-631-1; Revised Bid Items; Amendment EBS Download Required

TOTAL ADDENDA: **1**
(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.

HSIP-0070-04(023)/ 107109301000

Lafayette County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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Section 905 - Proposal, Proposal Bid Items, Combination Bid Proposal
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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

09/20/2016 12:38 PM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 6607 **CODE: (SP)**

DATE: 09/19/2016

SUBJECT: Lane Closure Restrictions

PROJECT: HSIP-0070-04(023) / 107109301 – Lafayette County

Bidders are hereby advised of the following lane closure restrictions on the above captioned project.

No lane closure or other work that impedes the Westbound lanes of traffic along SR-6 shall be allowed Monday through Friday between the hours of 7:00 a.m. and 8:00 a.m. between Jackson Ave. and SR-7.

No lane closure or other work that impedes the both Eastbound & Westbound lanes of traffic along SR-6 shall be allowed Monday through Friday between the hours of 4:00 p.m. to 6:00 p.m. between Jackson Ave. and Lamar Blvd.

No lane closure or other work that impedes the Eastbound lanes of traffic along SR-6 shall be allowed Monday through Friday between the hours of 5:00 p.m. to 6:00 p.m. between Lamar Blvd. and SR-7.

The Engineer may alter lane closure times or placement in the event of excessive queuing.

Also, no lane closures will be permitted on the following holidays or the day preceding them: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. In the event that one the above mentioned holidays falls during the weekend or on a Monday, no lane closures will be allowed during that weekend or the Friday immediately preceding that holiday. In addition, no lane closures will be allowed the Friday, Saturday, and Sunday following Thanksgiving.

Additionally no lane closure or other work that impedes either of the two lanes of traffic along SR-7, or SR-6 will be allowed on days when a football game is played at the University of Mississippi facility in Oxford. All lane closures must be removed by noon on the Friday prior to a football game the following Saturday.

If the lane closure restriction listed above is violated, no excuses will be accepted by the Department and the Contractor will be charged a fee of **$ 500.00** for each full or partial five minute period until the roadway is back in compliance with the lane closure restriction requirement.

For the purposes of this contract, official time shall be the announced time available at Southaven area telephone number (662) 895-5527.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6692 **CODE: (SP)**

DATE: **9/20/2016**

SUBJECT: **Additional Construction Requirements**

PROJECT: **HSIP-0070-04(023) / 107109301 – Lafayette County**

Bidders are hereby advised of the following additional construction requirements:

Placement of flowable fill is required to fill in voids that were discovered along and around the Box Culvert located at Station 299+00 along SR 6, and are required to be filled with and paid for using pay item 907-631-B001, Flowable Fill, Non-Excavatable. The quantity as provided within the bid items, **16 Cubic Yards**, was based upon the Department's last field inspection. However, due to the nature of this repair, the final quantity amount could vary. Any excavation associated with this repair will be paid for using the excavation pay items provided within the bid items.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

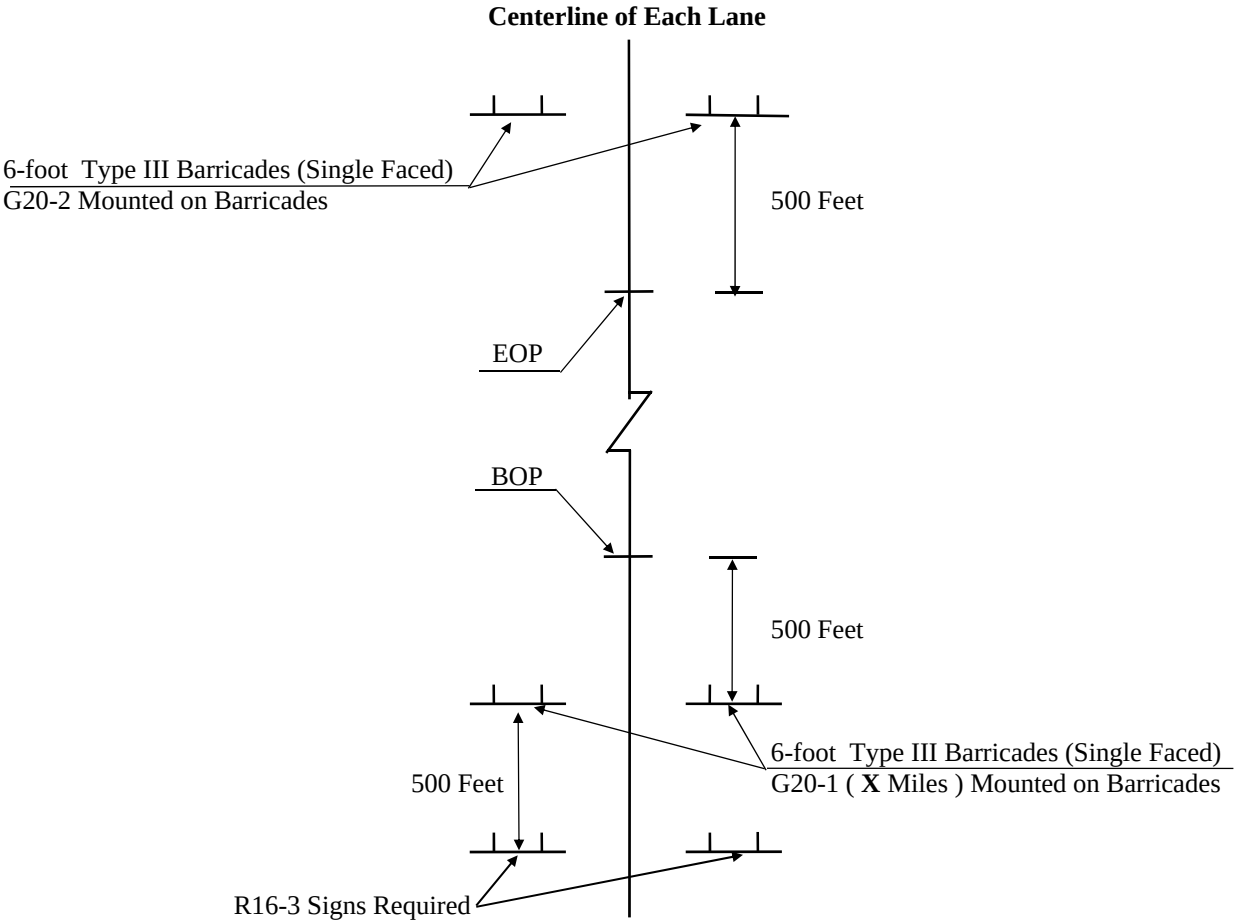
SUPPLEMENT TO SPECIAL PROVISION NO. 907-618-14

DATE: 09/19/2016

PROJECT: HSIP-0070-04(023) / 107109301 – Lafayette County

After the first paragraph of Subsection 907-618.01.2 on page 1, add the following.

Additional signs will be required as follows.



ADDITIONAL TRAFFIC CONTROL SIGNS REQUIRED:

US Highway 278/MS Highway 6

9	W20-1 “ROAD WORK AHEAD” signs required. One (1) sign is required at each local road or street entering the project.
2	G20-1 “ROAD WORK NEXT 5 MILES” mounted on 6’ Single Faced Type III Barricade
2	G20-2A “END ROAD WORK” mounted on 6’ Single Faced Type III Barricade
12	R-16-3 “SPEEDING FINES DOUBLED” signs required

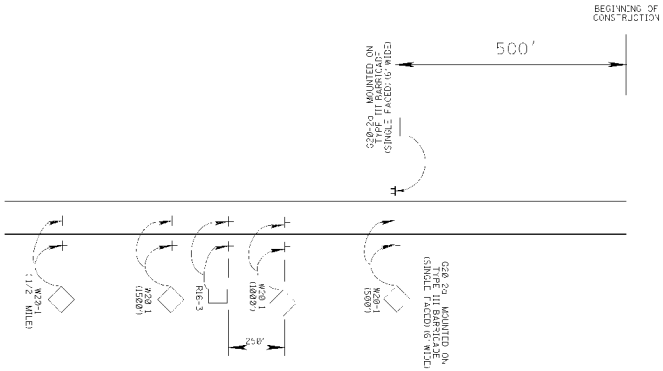
MS Highway 7

6	W20-1 "ROAD WORK AHEAD" signs required. One (1) sign is required at each local road or street entering the project.
2	G20-1 "ROAD WORK NEXT 5 MILES" mounted on 6' Single Faced Type III Barricade
2	G20-2A "END ROAD WORK" mounted on 6' Single Faced Type III Barricade
8	R-16-3 "SPEEDING FINES DOUBLED" signs required

G20-1 and G20-2A signs mounted on Type III Single faced barricade.

R16-3 signs shall be spaced in accordance with sheet titled "Location of R16-3 Signs".

Fluorescent orange sheeting shall be used on all construction and traffic control signs except for R16-3 signs which shall be black legend and border on white background.

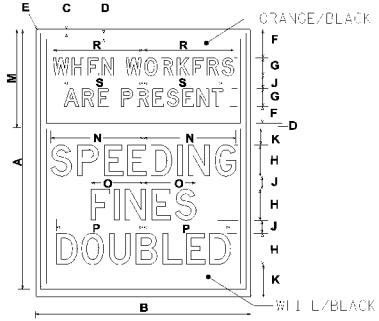


DIVIDED HIGHWAY
(PROJECTS LESS THAN 1 MILE LENGTH)

NOTES

① R16-3 SIGN TO BE PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER.

② R16-3 SIGN SHALL BE SPACED AT A MAXIMUM OF 2 MILES THROUGHOUT LENGTH OF PROJECT.



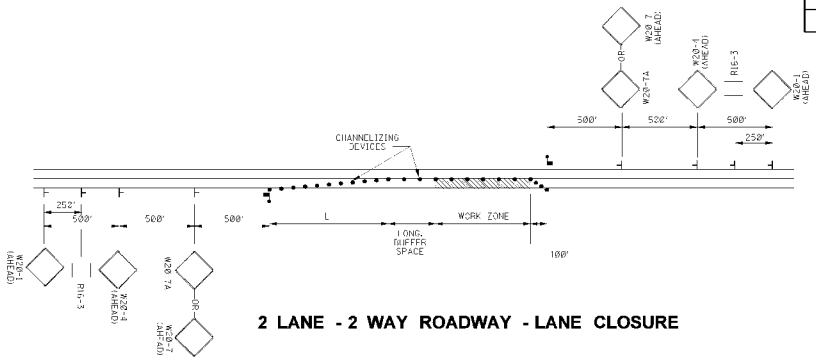
SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
STD.	60	48	3/4	1 1/4	3	3 3/4	4 Dm	7 D
	J	K	M	N	O	P	R	S
STD.	3	6 5/8	22 3/8	21	11 7/8	19 5/8	20 5/8	18

48" × 60"
(INTERSTATE USE)

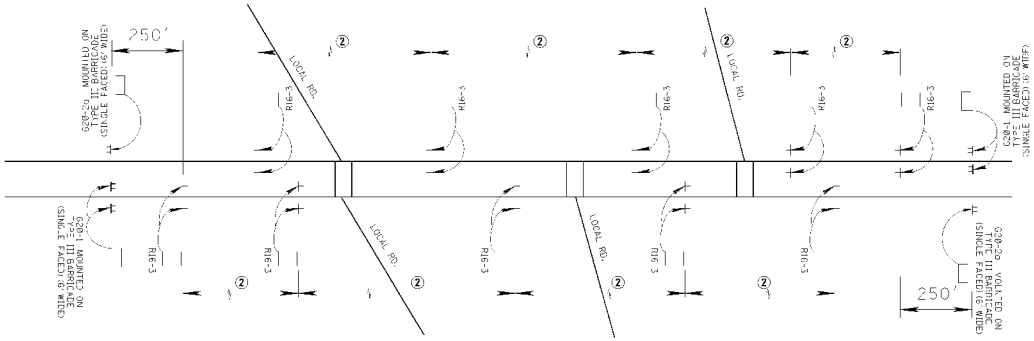
SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
S D.	48	36	3/4	1 1/4	3	2 3/4	3 Dm	6 D
	J	K	M	N	O	P	R	S
STD.	3	4 5/8	14 3/4	14	7 1/8	13 7/8	3 5/8	12

36" × 48"
(ALL OTHER HIGHWAYS)

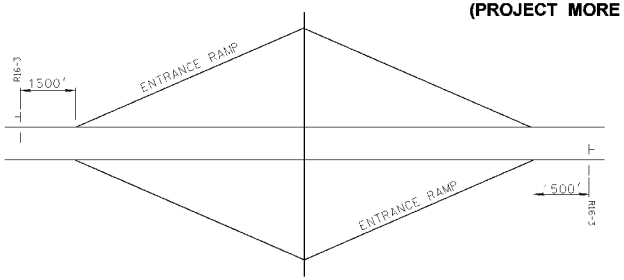
R16-3



2 LANE - 2 WAY ROADWAY - LANE CLOSURE



DIVIDED HIGHWAY SHOWN
(2 LANE - 2 WAY ROADWAY SIMILAR)
(PROJECT MORE THAN 1 MILE LENGTH)



INTERSTATE DETAIL

STATE	PROJECT NO.
MISS.	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

LOCATION OF R16-3 SIGNS

NO.	REVISION	DATE
3.		

WORKING NUMBER

SHEET NUMBER

FILLNAME: SPEED SIGN DETAIL.dgn

DESIGN TEAM | CHECKED | DATE 07-23-04

- 3 -

Supplement to S.P. 907-618-14-- Cont'd.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-631-1 **CODE: (SP)**

DATE: 05/04/2010

SUBJECT: Flowable Fill

Section 631, Flowable Fill, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is deleted in toto and replaced as follows:

SECTION 907-631 - FLOWABLE FILL

907-631.01--Description. This work shall consist of furnishing and placing a flowable fill material. Uses include, but are not limited to, placement under existing bridges, around or within box culverts or pipe culverts, or at other locations shown on the plans.

907-631.02--Materials. All materials shall meet the requirements of the following Subsections, or as stated herein:

Fine Aggregate	*
Portland Cement	701.01 and 701.02
Fly Ash	714.05
Air Entraining Admixtures **	713.02
Water	714.01.1 and 714.01.2
Calcium Chloride **	714.02

* The gradation of the fine aggregate shall be fine enough for the fine aggregate to stay in suspension in the mortar to the extent required for proper flow and shall conform to the following grading:

Sieve Size	% Passing
1/2 inch	100
No. 200	< 1

** High air generators shall be used, as required, in order to increase the total air content to 25 – 35%. Only approved high air generators shall be used to obtain the required air content. Either a Type C or E chemical admixture or maximum 1.0% calcium chloride by weight of the total cementitious materials may be added as required by the application and with the approval of the Engineer. Calcium chloride may not be used where the flowable fill comes into contact with metal. Adding the Type C or E chemical admixture or calcium chloride does not require a different or new mixture design from one previously approved.

907-631.02.1--Mixture Design. Flowable fill is a mixture of Portland cement, fine aggregate, water, and, as required to obtain the required total air content, either high air generators or air

entraining admixtures. Fly ash shall be used for Non-Excavatable applications. Flowable fill contains a low cementitious content for reduced strength development.

At least 30 days prior to production of flowable fill, the Contractor shall submit to the Engineer proposed flowable fill mixtures design following the mixture design submittal procedures listed in the Department's *Concrete Field Manual*.

The concrete producer shall assign a permanent unique mixture number to each flowable fill mixture design. All flowable fill mixture designs will be reviewed by the Materials Division prior to use. Flowable fill mixture designs disapproved will be returned to the Contractor with a statement explaining the disapproval.

Once approved, a flowable fill mixture design may be transferred to other projects without additional testing provided the material sources have not changed. Allowable changes in material sources shall meet the requirements of the Department's *Concrete Field Manual*, Section 5.7. For allowable changes in material sources, the mixture design shall be re-verified following the requirements of Subsection 907-631.02.1.2.

907-631.02.1.1--Proportioning of Mixture Design. The mixture design proportions shall be determined based on batches mixed using production equipment.

Table 1, "Flowable Fill Mixture Design Proportioning Guide", is a guide for proportioning flowable fill, except where noted.

Table 1
Flowable Fill Mixture Design Proportioning Guide

	Excavatable	Non-Excavatable
Material	Amount (lbs/yd^3)	
Cement	75 – 150 *	75 – 150 *
Fly Ash	-	150 – 600 *
Fine Aggregate	**	**
Water	***	***

* Guideline for proportioning. The actual amount may vary from the amount listed the Table 1.

** Fine aggregate shall be proportioned to yield one cubic yard of mixture as verified by unit weight.

*** Mixture designs shall produce a consistency that will result in a flowable self-leveling product at time of placement.

Each mixture design shall be verified using production equipment prior to submittal of the mixture design for review. During the verification, the mixture design shall meet the

requirements of the "Performance Requirements Flowable Fill Design" listed in Table 2. The verification performance data and the corresponding batch ticket shall be submitted with the mixture design.

Table 2
Performance Requirements for Verification of Flowable Fill Mixture Designs

Mixture Property	Performance Requirement		Required Test Method
	Excavatable	Non-Excavatable	
Consistency	Approximate 8-inch spread		(see below)
Total Air Content (%)	25 – 35	5 – 15	AASHTO T121
28 Day Compressive Strength (psi)	–	Minimum 125	AASHTO T22 and T23
Unit Weight (lbs/ft^3)	90 – 110	100 – 125	AASHTO T121

The consistency of the fresh mixture shall be that of a thin slurry. The consistency shall be tested by filling to the top a three-inch diameter by six-inch high cylinder which is open on both ends. With the mixture in the cylinder, immediately pull the cylinder straight up. The correct consistency of the mixture will produce a spread meeting the requirements in Table 2 with no segregation.

907-631.02.1.2--Verification of Mixture Design. The verification shall be performed by the Contractor prior to submittal of the mixture design proportions for review. The verification performance data and the corresponding batch ticket shall be submitted with the mixture design. The verification shall be performed using the batching and mixing equipment anticipated to be used during production of the mixture for the project. In addition to the performance requirements listed in Table 2, the verification shall meet the batching tolerance requirements for the material weights listed in the Department's *Concrete Field Manual*.

Adjustments of the proportions of fine aggregate and/or water shall be made to achieve suspension of the fine aggregate.

The requirements in Table 2 for consistency, percent total air content, compressive strength, and unit weight are for verification of the mixture design proportion purposes only and are not intended for jobsite acceptance requirements.

907-631.02.2--Acceptance of Mixture. The acceptance of the mixture at the job site will be based on the performance of the flowable fill mixture placed and will be at the discretion of the Engineer. For acceptance of the mixture at the job site, the mixture shall be self-leveling and shall not settle, segregate, or have excessive bleed water.

907-631.02.3--Manufacturing. Flowable fill will be batched, mixed, and transported in accordance with the requirements of Section 804.

907-631.02.4--Sampling and Testing. The yield shall be determined by testing the first load

placed on each production day in accordance with AASHTO Designation: T121. If adjustments are made to the mixture design proportions to correct for yield, the yield shall be determined on the next load with the adjusted proportions.

907-631.03--Construction Requirements. Prior to placing flowable fill, each end of the structure shall be plugged leaving an opening at each end no larger than necessary to accommodate the filling equipment. Flowable fill shall be discharged from the mixer by any reasonable means into the area to be filled. Unless otherwise approved by the Engineer, filling will begin on the downstream end of the structure and continue until no further material will enter the structure. The flowable fill will then be continued from the upstream end of the structure.

907-631.04--Method of Measurement. Flowable fill will be measured by the cubic yard which will be determined from the yield in accordance with the requirements of Subsection 907-631.02.4. The yield will be calculated by dividing the actual batch weights of each load by the unit weight of the mix, which will be determined by testing the first load placed on each production day.

907-631.05--Basis of Payment. Flowable fill, measured as prescribed above, will be paid for at the contract unit price per cubic yard, which price shall be full compensation for furnishing all labor, equipment, tools and materials to complete the work.

Payment will be made under:

907-631-A: Flowable Fill, Excavatable	- per cubic yard
907-631-B: Flowable Fill, Non-Excavatable	- per cubic yard

Median Barrier Installation on US 278/SR 6 from Jackson Avenue to University Avenue, & SR 7 approximately .3 miles north of the Belk Blvd. Intersection and north to the 4-lane past SR 30/Molly Barr, known as Federal Aid Project No. HSIP-0070-04(023) / 107109301 in Lafayette County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
			Roadway Items		
0010	202-A001		1	Lump Sum	Removal of Obstructions
0020	202-B025		7,057	Square Yard	Removal of Concrete Paved Ditch
0030	202-B086		130	Each	Removal of Guard Post
0040	202-B247		5	Each	Removal of Pull Box
0050	203-A003	(E)	210	Cubic Yard	Unclassified Excavation, FM, AH
0060	203-EX035	(E)	16,710	Cubic Yard	Borrow Excavation, AH, FME, Class B9-6
0070	203-G003	(E)	105	Cubic Yard	Excess Excavation, FM, AH
0080	206-A001	(S)	50	Cubic Yard	Structure Excavation
0090	213-C001		5	Ton	Superphosphate
0100	217-A001		210	Square Yard	Ditch Liner
0110	219-A001		526	Thousand Gallon	Watering [$20.00]
0120	220-A001		17	Acre	Insect Pest Control [$30.00]
0130	221-A001	(S)	2,994	Cubic Yard	Portland Cement Concrete Paved Ditch
0140	223-A001		13	Acre	Mowing [$50.00]
0150	234-A001		2,562	Linear Feet	Temporary Silt Fence
0160	503-C007		100	Linear Feet	Saw Cut, Full Depth
0170	602-A001	(S)	790	Pounds	Reinforcing Steel
0180	604-B001		14,000	Pounds	Gratings
0190	619-D1001		118	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0200	619-D2001		504	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0210	619-G4001		72	Linear Feet	Barricades, Type III, Single Faced
0220	620-A001		1	Lump Sum	Mobilization
0230	647-A005		5	Each	Pullbox, Type 2
0240	907-216-A001		17,500	Square Yard	Solid Sodding
0250	907-225-A001		13	Acre	Grassing
0260	907-225-B001		7	Ton	Agricultural Limestone
0270	907-225-C001		26	Ton	Mulch, Vegetative Mulch
0280	907-226-A001		13	Acre	Temporary Grassing
0290	907-234-D001		64	Each	Inlet Siltation Guard
0300	907-237-A003		1,280	Linear Feet	Wattles, 20"
0310	907-245-A001		1,280	Linear Feet	Triangular Silt Dike
0320	907-246-A001		1,280	Linear Feet	Sandbags

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	907-304-B009	(GT)	100	Ton	Granular Material, Class 3, Group D
0340	907-601-B003	(S)	16	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0350	907-606-G001		37,600	Linear Feet	Cable Barrier
0360	907-606-H001		26	Each	Cable Barrier Terminal Section
0370	907-606-I001		50	Each	Cable Barrier Post Repair
0380	907-618-A001		1	Lump Sum	Maintenance of Traffic
0390	907-619-E3001		2	Each	Changeable Message Sign
0400	907-630-O001		30	Each	Remove and Reset Signs, Ground Mounted on Round Post(s)
0410	907-630-O004		15	Each	Remove and Reset Sign, 1 U-post
0420	907-630-O005		2	Each	Remove and Reset Sign, 2 U-post
0424	907-631-B001		16	Cubic Yard	Flowable Fill, Non-Excavatable
0430	907-699-A002		1	Lump Sum	Roadway Construction Stakes