

ADDENDUM NO. 2

GRAVOIS ROAD / NORTHWEST SCHOOL IMPROVEMENT PROJECT

STP-5434 (607)

COUNTY OF JEFFERSON, MISSOURI

October 4, 2024

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents. Acknowledge receipt of this addendum in the space provided on this bid form. **FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.**

PROJECT PLANS:

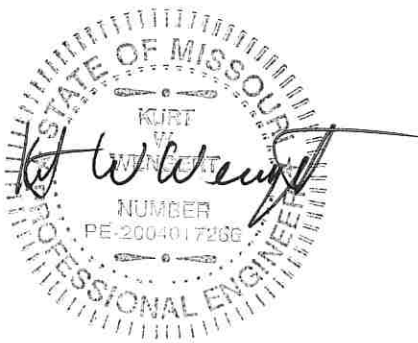
STP-5434 (607) B-Sheets: Replace sheets C2-A.1 and C2-B.2 with Addendum #2 C2-A.1 and C2-B.2. The purpose of this is to remove the rock blanket quantity from SY and insert a furnishing and placing rock blanket with erosion control blanket quantity.

PROJECT SPECIFICATIONS:

STP-5434 (607) Update Project Bid Form: Replace bid form pages 14-15, and agreement form pages 24-25 with the addendum #2 pages. The purpose of this is to remove the rock blanket quantity from SY and insert a furnishing and placing rock blanket with erosion control blanket quantity.

STP-5434 (607) Update JSP U: Add Addendum #2 JSP-16. The purpose of this is to clarify the precast concrete modular block wall shall be designed and constructed to have a up to a 5 degree wall batter with a vertical face (zero batter) preferred. All units shall be dry-case precast modular retaining wall units. All units for the project shall be obtained from the same manufacture. Only dry-cast modular block wall (DMBW-MSE) systems shown in the bridge prequalified products listing will be allowed for use by the contractor.

STP-5434 (607) Updated JSP: Add Addendum #2 pages 1-6 to the project specifications job special provisions. The purpose of this is update MoDOT's Standard Specifications that went into effect on Tuesday, October 1st, 2024. MoDOT created a Job Special Provision that will need to be added to projects that are being advertised for bid.



10-4-2024

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
ROADWAY ITEMS:					
2013000	CLEARING AND GRUBBING	ACRE	3		
2022010	REMOVAL OF IMPROVEMENTS	LS	1		
2031000	CLASS A EXCAVATION	CY	6497.0		
2036000	COMPACTING EMBANKMENT	CY	3351.0		
3040504	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY	9607.0		
3101003	GRAVEL (A)	SY	668		
4011209	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TON	263.9		
4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE)	TON	440.0		
4071005	TACK COAT	GAL	116		
4133200	ULTRATHIN BONDED WEARING SURFACE, TYPE C	SY	18249.0		
4139999	CRACK SEALING	MILE	0.9		
5021107	CONCRETE PAVEMENT (7 IN. NON-REINF)	SY	281		
5024006	CONCRETE BASE (6 IN. NON-REINF)	SY	137		
5024008	CONCRETE BASE (8 IN. NON-REINF)	SY	4910		
6085007	PAVED APPROACH, 7 IN.	SY	778		
6039902	ADJUST WATER SERVICE VALVE BOX TO GRADE	EACH	2		
6039904	ADJUST WATER SERVICE METER BOX TO GRADE	EACH	2		
6044011	PIPE COLLAR, TYPE A	EACH	1		
6091051	VERTICAL CONCRETE CURB AND GUTTER, TYPE A	LF	3306		
6099903	VERTICAL CONCRETE CURB AND GUTTER, SPECIAL	LF	63		
6099904	INTEGRAL CURB AND GUTTER, ROLLED	LF	47		
6089901	MODIFIED CONCRETE CURB (OVER 6 IN. HEIGHT) TYPE S	LF	42		
6096020	FURNISHING TYPE 2 ROCK DITCH LINER	CY	105		
6096042	PLACING TYPE 2 ROCK DITCH LINER	CY	105		
6240103	PERMANENT EROSION CONTROL GEOTEXTILE	SY	314		
6131010	FURNISHING AND PLACING CONCRETE MATERIAL FOR PAVEMENT REPAIR	SY	272		
6131012	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR)	SY	272		
6131013	TYPE 1 OR TYPE 5 AGG. BASE (4 IN. THICK) (PAVEMENT REPAIR)	SY	272		
6131014	FULL DEPTH PAVEMENT REPAIR SAWCUT (FOR PERIMETER AND INTERNAL SAW CUTS)	LF	1020		
6131015	DOWL BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT)	EACH	680		
6149901	CURB INLET	EACH	10		
6149902	MANHOLE	EACH	1		
6149902	JUNCTION BOX	EACH	3		
6161005	CONSTRUCTION SIGNS	SF	202		
6161025	CHANNELIZER (TRIM LINE)	EACH	100		
6161030	TYPE III MOVEABLE BARRICADE	EACH	10		
6161098A	CHANGEABLE MESSAGE BOARD WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR	EACH	2		
6181000	MOBILIZATION	LS	1		
6208076	4 IN TEMPORARY PAVEMENT MARKING PAINT	LF	5000		
6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1		
7034041	CLASS B-1 CONCRETE (CULVERTS)	CY	20		
7061030	REINFORCING STEEL (CULVERTS)	LB	1550		
7209904	MODULAR BLOCK RETAINING WALL	SF	18289		
7269902	CONNECTION TO EXISTING STRUCTURE	EACH	2		
7269903	12 IN. PIPE	LF	276		
7269904	18 IN. PIPE	LF	59		
7269905	24 IN. PIPE	LF	349		

7269906	36 IN. PIPE	LF	240		
7329901	12 IN. FLARED END SECTION	EACH	1		
7329902	18 IN. FLARED END SECTION	EACH	1		
7329903	24 IN. FLARED END SECTION	EACH	2		
8049907A	TOPSOIL	CY	814		
8059919	SEEDING	ACRE	2		
8061019	SILT FENCE	LF	3967		
8069902	INLET PROTECTION DEVICE, SINGLE UNIT - FILTER SOCK/ROLL	EACH	10		
				ROADWAY-SUBTOTAL	

PEDESTRIAN FACILITIES:					
3040504	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY	4006		
6071011A	CHAIN-LINK FENCE (48 IN.)	LF	2187		
6081010	CONCRETE CURB RAMP	SY	106		
6081012	TRUNCATED DOMES	SF	194		
6086004	CONCRETE SIDEWALK, 4 IN.	SY	2913		
6086007	CONCRETE SIDEWALK, 7 IN.	SY	76		
6089904	COLORLED STAMPED CONCRETE SIDEWALK, 4 IN	SF	8208		
				SUBTOTAL	

PAVEMENT MARKING, STRIPING, AND SIGNING:					
6161047	TYPE III OBJECT MARKER	EACH	3		
6200021	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	EACH	36		
6200024	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	EACH	5		
6206000C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	10468		
6206001C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	13443		
6206124A	24 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	197		
9031241	BREAKAWAY ASSEMBLY (PERFORATED SQUARE STEEL TUBE)	EACH	2		
9031250A	U-CHANNEL POST, 3 LB	LF	141		
9031270A	2 IN. PSST POST - 12 GA.	LF	24		
9035004A	SH-FLAT SHEET	SF	6		
9039902	RECTANGULAR RAPID FLASHING BEACON TWO-POST SYSTEM	EACH	1		
9039906	RELOCATE SCHOOL SPEED LIMIT SIGN WITH FLASHING SIGNAL W/ NEW FOUNDATION	EACH	2		

LIGHTING ITEMS					
9017006	CABLE, 6 AWG 1 CONDUCTOR	LF	7800		
9017010	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	LF	3900		
9019901	CONDUIT 1" RIGID, IN TRENCH	LF	3900		
9019902	DECORATIVE LIGHT FIXTURE AND POLE	EACH	26		
9019903	METERED PEDESTAL	EACH	1		
9029100	BASE CONCRETE	EACH	26		
				SUBTOTAL	
				PROJECT TOTAL	

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
ROADWAY ITEMS:					
2013000	CLEARING AND GRUBBING	ACRE	3		
2022010	REMOVAL OF IMPROVEMENTS	LS	1		
2031000	CLASS A EXCAVATION	CY	6497.0		
2036000	COMPACTING EMBANKMENT	CY	3351.0		
3040504	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY	9607.0		
3101003	GRAVEL (A)	SY	668		
4011209	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TON	263.9		
4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE)	TON	440.0		
4071005	TACK COAT	GAL	116		
4133200	ULTRATHIN BONDED WEARING SURFACE, TYPE C	SY	18249.0		
4139999	CRACK SEALING	MILE	0.9		
5021107	CONCRETE PAVEMENT (7 IN. NON-REINF)	SY	281		
5024006	CONCRETE BASE (6 IN. NON-REINF)	SY	137		
5024008	CONCRETE BASE (8 IN. NON-REINF)	SY	4910		
6085007	PAVED APPROACH, 7 IN.	SY	778		
6039902	ADJUST WATER SERVICE VALVE BOX TO GRADE	EACH	2		
6039904	ADJUST WATER SERVICE METER BOX TO GRADE	EACH	2		
6044011	PIPE COLLAR, TYPE A	EACH	1		
6091051	VERTICAL CONCRETE CURB AND GUTTER, TYPE A	LF	3306		
6099903	VERTICAL CONCRETE CURB AND GUTTER, SPECIAL	LF	63		
6099904	INTEGRAL CURB AND GUTTER, ROLLED	LF	47		
6089901	MODIFIED CONCRETE CURB (OVER 6 IN. HEIGHT) TYPE S	LF	42		
6096020	FURNISHING TYPE 2 ROCK DITCH LINER	CY	105		
6096042	PLACING TYPE 2 ROCK DITCH LINER	CY	105		
6240103	PERMANENT EROSION CONTROL GEOTEXTILE	SY	314		
6131010	FURNISHING AND PLACING CONCRETE MATERIAL FOR PAVEMENT REPAIR	SY	272		
6131012	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR)	SY	272		
6131013	TYPE 1 OR TYPE 5 AGG. BASE (4 IN. THICK) (PAVEMENT REPAIR)	SY	272		
6131014	FULL DEPTH PAVEMENT REPAIR SAWCUT (FOR PERIMETER AND INTERNAL SAW CUTS)	LF	1020		
6131015	DOWL BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT)	EACH	680		
6149901	CURB INLET	EACH	10		
6149902	MANHOLE	EACH	1		
6149902	JUNCTION BOX	EACH	3		
6161005	CONSTRUCTION SIGNS	SF	202		
6161025	CHANNELIZER (TRIM LINE)	EACH	100		
6161030	TYPE III MOVEABLE BARRICADE	EACH	10		
6161098A	CHANGEABLE MESSAGE BOARD WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR	EACH	2		
6181000	MOBILIZATION	LS	1		
6208076	4 IN TEMPORARY PAVEMENT MARKING PAINT	LF	5000		
6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1		
7034041	CLASS B-1 CONCRETE (CULVERTS)	CY	20		
7061030	REINFORCING STEEL (CULVERTS)	LB	1550		
7209904	MODULAR BLOCK RETAINING WALL	SF	18289		
7269902	CONNECTION TO EXISTING STRUCTURE	EACH	2		
7269903	12 IN. PIPE	LF	276		
7269904	18 IN. PIPE	LF	59		
7269905	24 IN. PIPE	LF	349		

7269906	36 IN. PIPE	LF	240		
7329901	12 IN. FLARED END SECTION	EACH	1		
7329902	18 IN. FLARED END SECTION	EACH	1		
7329903	24 IN. FLARED END SECTION	EACH	2		
8049907A	TOPSOIL	CY	814		
8059919	SEEDING	ACRE	2		
8061019	SILT FENCE	LF	3967		
8069902	INLET PROTECTION DEVICE, SINGLE UNIT - FILTER SOCK/ROLL	EACH	10		
				ROADWAY-SUBTOTAL	

PEDESTRIAN FACILITIES:					
3040504	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY	4006		
6071011A	CHAIN-LINK FENCE (48 IN.)	LF	2187		
6081010	CONCRETE CURB RAMP	SY	106		
6081012	TRUNCATED DOMES	SF	194		
6086004	CONCRETE SIDEWALK, 4 IN.	SY	2913		
6086007	CONCRETE SIDEWALK, 7 IN.	SY	76		
6089904	COLORED STAMPED CONCRETE SIDEWALK, 4 IN	SF	8208		
				SUBTOTAL	

PAVEMENT MARKING, STRIPING, AND SIGNING:					
6161047	TYPE III OBJECT MARKER	EACH	3		
6200021	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	EACH	36		
6200024	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	EACH	5		
6206000C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	10468		
6206001C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	13443		
6206124A	24 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	197		
9031241	BREAKAWAY ASSEMBLY (PERFORATED SQUARE STEEL TUBE)	EACH	2		
9031250A	U-CHANNEL POST, 3 LB	LF	141		
9031270A	2 IN. PSST POST - 12 GA.	LF	24		
9035004A	SH-FLAT SHEET	SF	6		
9039902	RECTANGULAR RAPID FLASHING BEACON TWO-POST SYSTEM	EACH	1		
9039906	RELOCATE SCHOOL SPEED LIMIT SIGN WITH FLASHING SIGNAL W/ NEW FOUNDATION	EACH	2		

LIGHTING ITEMS					
9017006	CABLE, 6 AWG 1 CONDUCTOR	LF	7800		
9017010	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	LF	3900		
9019901	CONDUIT 1" RIGID, IN TRENCH	LF	3900		
9019902	DECORATIVE LIGHT FIXTURE AND POLE	EACH	26		
9019903	METERED PEDESTAL	EACH	1		
9029100	BASE CONCRETE	EACH	26		
				SUBTOTAL	
				PROJECT TOTAL	

(j) Removing existing pavement markings, installing temporary pavement markings, and removing and relocating temporary pavement markings as necessary for staging operations. Removal of pavement markings shall not mar the surface of the pavement.

U. Modular Block Retaining Wall

1.0 Description. This work includes shall consist of furnishing and constructing precast concrete modular block walls with or without soil reinforcement in accordance with these specifications, as shown on the plans or as directed by the engineer.

2.0 Materials. All materials shall be in accordance with Division 1000 of the standard specifications, and specifically as follows:

<u>Item</u>	<u>Section</u>
Concrete	501
Select Granular Backfill for Structural Systems	1010
Geotextile	1011
Miscellaneous Drainage Material	1013
Reinforcing Steel for Concrete	1036
Resin Anchor Systems	1039
Mechanically Stabilized Earth Wall System Components	1052

2.1 Concrete used in the production of the precast modular block units shall be first-purpose, fresh concrete. It shall not consist of returned, reconstituted, surplus or waste concrete.

2.2 The unit fill shall consist of a granular backfill in accordance with Gradation D or E of Sec 1005.

2.3 Class B or B-1 concrete shall be used for cast-in-place concrete leveling pads used for the wall system.

2.4 Reinforcement shall be either Grade 60 deformed bars or an equivalent steel welded wire reinforcement.

2.5 Joint material shall be used in accordance with the wall manufacturer's recommendations.

3.0 Design Requirements.

3.1 Shop drawings, signed and sealed by a registered professional engineer, shall be submitted and approved by the County prior to construction.

The precast concrete modular block wall shall be designed and constructed to have a up to a 5 degree wall batter with a vertical face (zero batter) preferred. All units shall be dry-cast precast modular retaining wall units. All units for the project shall be obtained from the same manufacturer.

Only dry-cast modular block wall (DMBW-MSE) systems shown in the bridge prequalified products listing will be allowed for use by the contractor. The bridge prequalified products list may be obtained through MoDOT's web site: <https://www.modot.org/bridge-pre-qualified-products-list> . Any deviations from the prequalified wall system details previously submitted to Bridge shall be specifically outlined in the cover letter submitted with the design plans, details and computations.

Supplemental Revisions JSP-18-01DD

Compliance with [2 CFR 200.216 – Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment](#).

The Missouri Highways and Transportation Commission shall not enter into a contract (or extend or renew a contract) using federal funds to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as substantial or as critical technology as part of any system where the video surveillance and telecommunications equipment was produced by Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

Stormwater Compliance Requirements

1.0 Description. This provision requires the contractor to provide a Water Pollution Control Manager (WPCM) for any project that includes land disturbance on the project site and the total area of land disturbance, both on the project site, and all Off-site support areas, is one (1) acre or more. Regardless of the area of Off-site disturbance, if no land disturbance occurs on the project site, these provisions do not apply. When a WPCM is required, all sections within this provision shall be applicable, including assessment of specified Liquidated Damages for failure to correct Stormwater Deficiencies, as specified herein. This provision is in addition to any other stormwater, environmental, and land disturbance requirements specified elsewhere in the contract.

1.1 Definitions. The project site is defined as all areas designated on the plans, including temporary and permanent easements. The project site is equivalent to the “permitted site”, as defined in MoDOT’s State Operating Permit. An Off-site area is defined as any location off the project site the contractor utilizes for a dedicated project support function, such as, but not limited to, staging area, plant site, borrow area, or waste area.

1.2 Reporting of Off-Site Land Disturbance. If the project includes any planned land disturbance on the project site, prior to the start of work, the contractor shall submit a written report to the engineer that discloses all Off-site support areas where land disturbance is planned, the total acreage of anticipated land disturbance on those sites, and the land disturbance permit number(s). Upon request by the engineer, the contractor shall submit a copy of its land disturbance permit(s) for Off-site locations. Based on the total acreage of land disturbance, both on and Off-site, the engineer shall determine if these Stormwater Compliance Requirements shall apply. The Contractor shall immediately report any changes to the planned area of Off-site land disturbance. The Contractor is responsible for obtaining its own separate land disturbance permit for Off-site areas.

2.0 Water Pollution Control Manager (WPCM). The Contractor shall designate a competent person to serve as the Water Pollution Control Manager (WPCM) for projects meeting the description in Section 1.0. The Contractor shall ensure the WPCM completes all duties listed in Section 2.1.

2.1 Duties of the WPCM:

- (a) Be familiar with the stormwater requirements including the current MoDOT State Operating Permit for construction stormwater discharges/land disturbance activities; MoDOT’s statewide Stormwater Pollution Prevention Plan (SWPPP); the Corps of Engineers Section 404 Permit, when applicable; the project specific SWPPP, the Project’s

Erosion & Sediment Control Plan; all applicable special provisions, specifications, and standard drawings; and this provision;

- (b) Successfully complete the MoDOT Stormwater Training Course within the last 4 years. The MoDOT Stormwater Training is a free online course available at MoDOT.org;
- (c) Attend the Pre-Activity Meeting for Grading and Land Disturbance and all subsequent Weekly Meetings in which grading activities are discussed;
- (d) Oversee and ensure all work is performed in accordance with the Project-specific SWPPP and all updates thereto, or as designated by the engineer;
- (e) Review the project site for compliance with the Project SWPPP, as needed, from the start of any grading operations until final stabilization is achieved, and take necessary actions to correct any known deficiencies to prevent pollution of the waters of the state or adjacent property owners prior to the engineer's weekly inspections;
- (f) Review and acknowledge receipt of each MoDOT Inspection Report (Land Disturbance Inspection Record) for the Project within forty eight (48) hours of receiving the report and ensure that all Stormwater Deficiencies noted on the report are corrected as soon as possible, but no later than stated in Section 5.0.

3.0 Pre-Activity Meeting for Grading/Land Disturbance and Required Hold Point. A Pre-Activity meeting for grading/land disturbance shall be held prior to the start of any land disturbance operations. No land disturbance operations shall commence prior to the Pre-Activity meeting except work necessary to install perimeter controls and entrances. Discussion items at the pre-activity meeting shall include a review of the Project SWPPP, the planned order of grading operations, proposed areas of initial disturbance, identification of all necessary BMPs that shall be installed prior to commencement of grading operations, and any issues relating to compliance with the Stormwater requirements that could arise in the course of construction activity at the project.

3.1 Hold Point. Following the pre-activity meeting for grading/land disturbance and subsequent installation of the initial BMPs identified at the pre-activity meeting, a Hold Point shall occur prior to the start of any land disturbance operations to allow the engineer and WPCM the time needed to perform an on-site review of the installation of the BMPs to ensure compliance with the SWPPP is met. Land disturbance operations shall not begin until authorization is given by the engineer.

4.0 Inspection Reports. Weekly and post run-off inspections will be performed by the engineer and each Inspection Report (Land Disturbance Inspection Record) will be entered into a web-based Stormwater Compliance database. The WPCM will be granted access to this database and shall promptly review all reports, including any noted deficiencies, and shall acknowledge receipt of the report as required in Section 2.1 (f.).

5.0 Stormwater Deficiency Corrections. All stormwater deficiencies identified in the Inspection Report shall be corrected by the contractor within 7 days of the inspection date or any extended period granted by the engineer when weather or field conditions prohibit the corrective work. If the contractor does not initiate corrective measures within 5 calendar days of the inspection date or any extended period granted by the engineer, all work shall cease on the project except for work to correct these deficiencies, unless otherwise allowed by the engineer. All impact costs related to this halting of work, including, but not limited to stand-by time for equipment, shall be borne by the Contractor. Work shall not resume until the engineer approves the corrective work.

5.1 Liquidated Damages. If the Contractor fails to complete the correction of all Stormwater Deficiencies listed on the MoDOT Inspection Report within the specified time limit, the

Commission will be damaged in various ways, including but not limited to, potential liability, required mitigation, environmental clean-up, fines, and penalties. These damages are not reasonably capable of being computed or quantified. Therefore, the contractor will be charged with liquidated damages specified in the amount of \$2,000 per day for failure to correct one or more of the Stormwater Deficiencies listed on the Inspection Report within the specified time limit. In addition to the stipulated damages, the stoppage of work shall remain in effect until all corrections are complete.

6.0 Basis of Payment. No direct payment will be made for compliance with this provision.

Delete Sec 106.9 in its entirety and substitute the following:

106.9 Buy America Requirements.

Buy America Requirements are waived if the total amount of Federal financial assistance applied to the project, through awards or subawards, is below \$500,000.

106.9.1 Buy America Requirements for Iron and Steel.

On all federal-aid projects, the contractor's attention is directed to Title 23 CFR 635.410 *Buy America Requirements*. Where steel or iron products are to be permanently incorporated into the contract work, steel and iron material shall be manufactured, from the initial melting stage through the application of coatings, in the USA except for "minimal use" as described herein. Furthermore, any coating process of the steel or iron shall be performed in the USA. Under a general waiver from FHWA the use of pig iron and processed, pelletized, and reduced iron ore manufactured outside of the USA will be permitted in the domestic manufacturing process for steel or iron material.

106.9.1.1 Buy America Requirements for Iron and Steel for Manufactured items.

A manufactured item will be considered iron and steel if it is "predominantly" iron or steel. Predominantly iron or steel means that the cost of iron or steel content of a product is more than 50 percent of the total cost of all its components.

106.9.2 Any sources other than the USA as defined will be considered foreign. The required domestic manufacturing process shall include formation of ingots and any subsequent process. Coatings shall include any surface finish that protects or adds value to the product.

106.9.3 "Minimal use" of foreign steel, iron or coating processes will be permitted, provided the cost of such products does not exceed 1/10 of one percent (0.1 percent) of the total contract cost or \$2,500.00, whichever is greater. If foreign steel, iron, or coating processes are used, invoices to document the cost of the foreign portion, as delivered to the project, shall be provided and the engineer's written approval obtained prior to placing the material in any work.

106.9.4 Buy America requirements include a step certification for all fabrication processes of all steel or iron materials that are accepted per Sec 1000. The AASHTO Product Evaluation and Audit Solutions compliance program verifies that all steel and iron products fabrication processes conform to 23 CFR 635.410 Buy America Requirements and is an acceptable standard per 23 CFR 635.410(d). AASHTO Product Evaluation and Audit Solutions compliant suppliers will not be required to submit step certification documentation with the shipment for some selected steel and iron materials. The AASHTO Product Evaluation and Audit Solutions compliant supplier shall maintain the step certification documentation on file and shall provide this documentation to the engineer upon request.

106.9.4.1 Items designated as Category 1 will consist of steel girders, piling, and reinforcing steel installed on site. Category 1 items require supporting documentation prior to incorporation into the project showing all steps of manufacturing, including coating, as being completed in the United

States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements. This includes the Mill Test Report from the original producing steel mill and certifications documenting the manufacturing process for all subsequent fabrication, including coatings. The certification shall include language that certifies the following. That all steel and iron materials permanently incorporated in this project was procured and processed domestically and all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410.

106.9.4.2 Items designated as Category 2 will include all other steel or iron products not in Category 1 and permanently incorporated in the project. Category 2 items shall consist of, but not be limited to items such as fencing, guardrail, signing, lighting and signal supports. The prime contractor is required to submit a material of origin form certification prior to incorporation into the project from the fabricator for each item that the product is domestic. The Certificate of Materials Origin form ([link to certificate form](#)) from the fabricator must show all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements and be signed by a fabricator representative. The engineer reserves the right to request additional information and documentation to verify that all Buy America requirements have been satisfied. These documents shall be submitted upon request by the engineer and retained for a period of 3 years after the last reimbursement of the material.

106.9.4.3 Any minor miscellaneous steel or iron items that are not included in the materials specifications shall be certified by the prime contractor as being procured domestically. Examples of these items would be bolts for sign posts, anchorage inserts, etc. The certification shall read “I certify that all steel and iron materials permanently incorporated in this project during all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements procured and processed domestically in accordance with CFR Title 23 Section 635.410 Buy America Requirements. Any foreign steel used was submitted and accepted under minor usage”. The certification shall be signed by an authorized representative of the prime contractor.

106.9.5 When permitted in the contract, alternate bids may be submitted for foreign steel and iron products. The award of the contract when alternate bids are permitted will be based on the lowest total bid of the contract based on furnishing domestic steel or iron products or 125 percent of the lowest total bid based on furnishing foreign steel or iron products. If foreign steel or iron products are awarded in the contract, domestic steel or iron products may be used; however, payment will be at the contract unit price for foreign steel or iron products.

106.9.6 Buy America Requirements for Construction Materials other than iron and steel materials. Construction materials means articles, materials, or supplies that consist of only one of the items listed. Minor additions of articles, materials, supplies, or binding agents to a construction material do not change the categorization of the construction material. Upon request by the engineer, the contractor shall submit a domestic certification for all construction materials listed that are incorporated into the project.

- (a) Non-ferrous metals
- (b) Plastic and Polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables)
- (c) Glass (including optic glass)
- (d) Fiber optic cable (including drop cable)
- (e) Optical fiber
- (f) Lumber
- (g) Engineered wood
- (h) Drywall

106.9.6.1 Minimal Use allowance for Construction Materials other than iron or steel.

“The total value of the non-compliant products is no more than the lesser of \$1,000,000 or 5% of total applicable costs for the project.” The contractor shall submit to the engineer any non-domestic materials and their total material cost to the engineer. The contractor and the engineer will both track these totals to assure that the minimal usage allowance is not exceeded.

106.9.7 Buy America Requirements for Manufactured Products.

Manufactured products means:

- (a) Articles, materials, or supplies that have been:
 - (i) Processed into a specific form and shape; or
 - (ii) Combined with other articles, materials, or supplies to create a product with different properties than the individual articles, materials, or supplies.
- (b) If an item is classified as an iron or steel product, a construction material, or a section 70917(c) material under § 184.4(e) and the definitions set forth in this section, then it is not a manufactured product. However, an article, material, or supply classified as a manufactured product under § 184.4(e) and paragraph (1) of this definition may include components that are construction materials, iron or steel products, or section 70917(c) materials.

106.9.7.1 Manufactured products are exempt from Buy America requirements. To qualify as a manufactured product, items that consist of two or more of the listed construction materials that have been combined together through a manufacturing process, and items that include at least one of the listed materials combined with a material that is not listed through a manufacturing process, should be treated as manufactured products, rather than as construction materials.

106.9.7.2 Manufactured items are covered under a general waiver to exclude them from Buy America Requirements. To qualify for the exemption the components must comprise of 55% of the value of materials in the item. The final assembly must also be performed domestically.

Pavement Marking Paint Requirements for Standard Waterborne and Temporary

1.0 Description. High Build acrylic waterborne pavement marking paint shall be used in lieu of standard acrylic waterborne pavement marking paint for all Standard Waterborne Pavement Marking Paint items and all Temporary Pavement Marking Paint items. Paint thickness, bead type, bead application rate, retroreflectivity requirements, and all other specifications shall remain as stated in the Missouri Standard Specifications for Highway Construction, except as otherwise amended in the contract documents.

2.0 Material Requirements. Material requirements for Sec 620.20.2.5 Standard Waterborne Paint, and Sec 620.10.2 Temporary Pavement Marking Paint shall be per Sec 1048.20.1.2 High Build Acrylic Waterborne Pavement Marking Paint.

Delete paragraph 15.0 of the General Provision Disadvantaged Business Enterprise (DBE) Program Requirements and substitute the following:

15.0 Data Collection from Bidders for DBE and Non-DBE Subcontractors, Suppliers, Manufacturers and/or Brokering used and not used in bids during the reporting period. MoDOT is a recipient of federal funds and is required by 49 CFR 26.11, to provide data about its DBE program. The information shall consist of all subcontractor quoting received for actual use and of consideration by the prime bidder. MoDOT will be requesting this information from bidding prime contractors and will provide prime bidders a form to submit the data by the last day of each

month for the current letting. The information shall only include the names of both DBE and non-DBE companies that the prime bidders received quotes. MoDOT will then contact the DBEs and non-DBE subcontractors and request additional information from DBE and non-DBE subcontractors including current year of gross receipts and number of years in business. The information provided by the prime bidders shall not include any bid quote pricing regardless if it was used or not. This information will aid MoDOT in the determination of the availability of DBEs and will be used in subsequent availability studies.