

ECMS Highway Construction

Contract: 92521

HRI, Inc. XX-XXXXXXX

State College

814-238-5071 (phone)

814-238-0131 (fax)

hri@hrico.com

Prime Business Partner

ClearfieldCounty

SR , Section

Coalport Streetscape

Location

T022-298-L22E

T022-298-L24E

Federal Project

P-300000T7ENH-0220-375-1

P-300000T7ENH-0220-375-2

P-300053T7TE1-0220-375-1

WBS Element

August 30, 2012

Bid Opening

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Contract

Addendum issued subsequent to the printed proposal have been incorporated into the text of this contract and the modified portions are annotated in the contract - e.g., A1, A2 etc.

Incorporated Addendum is As follows:

Addendum No. 1, **A1,** dated 08/27/2012

THIS AGREEMENT, Made this *21* day of *November* A.D. *2012* , between the Coalport Borough of the Commonwealth of Pennsylvania, ClearfieldCounty, hereinafter called the Sponsor, and *HRI, Inc.* his, hers, its or their executors, administrators, successors, or assigns, hereinafter called the Contractor.

W I T N E S S E T H:

1. That the Contractor, for and in consideration of the payment or payments herein specified and agreed to by the Sponsor, hereby covenants and agrees to furnish and deliver all the materials and to do and perform all the work and labor in the improvement of a certain section of highway at the unit prices bid by said Contractor for the respective estimated quantities aggregating approximately the sum of *\$811,150.65* and such other items as are mentioned in the Contractor's original proposal, which proposal and prices named, together with Publication 408/2011-2 - Specifications (as specified in the proposal) (except that the Sponsor shall be substituted for "Engineer". "Secretary", "Department" and "State Treasurer" name therein), are made a part of this contract and accepted as such, also the drawings of the project, prepared and/or approved by the Sponsor and/or the Pennsylvania Department of Transportation, which drawings are also agreed by each party as being a part hereof.

2. The location and description being situated as follows:
The description and location of the project is as follows: For the improvement of a certain section of STATE HIGHWAY in CLEARFIELD COUNTY, COALPORT BOROUGH, Commonwealth of Pennsylvania, MAIN STREET, SECTION ENH. The project being situated as follows:In the Borough of Coalport, along SR 0053 from Segment 0030 Offset 1752 to Segment 0040 Offset 0829 (also known as Main Street). The project length is approximately 1492 feet.For streetscape improvements including: sidewalks, concrete curbing, ornamental light poles and fixtures and miscellaneous construction as indicated on the approved drawings included in the bid package.

3. The Contractor further covenants and agrees that all work shall be performed in the best and most workmanlike manner. He also agrees that all materials furnished and labor performed shall be in strict and complete conformity, in every respect, with all parts of this contract and shall be subject to the inspection and acceptance of authorized representatives of the Sponsor and/ or the Pennsylvania Department of Transportation. In the event that any portion of work (including materials supplied pursuant thereto) performed by the Contractor is rejected by the authorized representatives as defective, unsuitable, or unacceptable, the Contractor agrees to remove and replace all such rejected portions of work in conformance with this contract and to the satisfaction of and at no expense to the Sponsor and/ or Pennsylvania Department of Transportation. The Contractor further covenants that prompt payment will be made in full for all labor and materials used in the performance of work on this project.

4. The Contractor covenants and agrees that all work (including, but not limited to, all labor performed and all materials supplied) on this project shall be performed and completed to the satisfaction of the Sponsor and/or the Pennsylvania Department of Transportation on or before the expiration date of 09/18/2013. If, for any reason, except as provided in the contract, the Contractor fails to complete all work on this project to the satisfaction of the Engineer of the Sponsor within the aforementioned time allowed, the Sponsor shall deduct from any sums due or which may become due the Contractor the amount indicated in the Specifications for each calendar day used in excess of the aforementioned number of days allowed, or, in case a completion date is fixed, for each calendar day elapsing between that completion date and the actual date of completion. If no sums are due the Contractor, the Contractor agrees to remit to the Sponsor the aforementioned sum for each day used in excess of the time allowed for completion of the contract. The amounts deducted or remitted under this paragraph are liquidated damages and not penalties.

5. The Contractor further covenants and warrants that the Contractor has had sufficient time to examine and has examined the site of the contract work to ascertain for itself those conditions such as may be determined by inspection, investigation, and inquiry, including the location, accessibility, and general character of the site.

6. The Contractor further covenants that he has not relied upon any information provided by the Sponsor and/or the Pennsylvania Department of Transportation, including information contained in the Special Provisions, concerning the time within which publicly or privately-owned facilities below, at or above the ground are expected to be installed, removed, repaired, replaced, and/or relocated; that he has not relied upon any information provided by the Department concerning the location or existence of all such facilities that might be below, at or above the ground; that he has contacted or will contact all owner of such facilities to verify the location and position of all such facilities and the time within which work on such facilities will be performed; and that he is aware delays might be incurred in the performance of work on this project as a result of work being performed or that will be performed on such facilities by their owners. It is understood further that, notwithstanding assistance of any kind and extent that might be provided by the Sponsor and/or the Pennsylvania Department of Transportation, the Contractor, in every instance, bears the ultimate responsibility of resolving all disputes of every kind with the owners of such facilities. The Contractor agrees to save and hold the Sponsor and/or the Pennsylvania Department of Transportation harmless from liability for all delays, interference and interruptions that might arise during the performance of work on this project as a result of work being or that will be performed on such publicly or privately-owned facilities.

7. The Contractor further covenants and warrants that he has read, is completely familiar with and understands thoroughly the Publication 408 Specifications (as specified in the proposal), the Special Provisions and/or Conditions, the Plans, and any other addenda or requirements, contained in the proposal governing the performance of work under this contract, whether attached hereto and made a part hereof, or incorporated herein by reference.

8. It is distinctly understood and agreed that the Contractor shall not do any work (including, but not limited to, the supply of labor and/or materials) not covered by the specifications and the contract, unless such work has been authorized in writing as provided in the Specifications. In no event shall the Contractor incur any liability by reason of refusing to obey any verbal directions or instructions that he might be given to perform additional or extra work. Likewise, the Sponsor will not be liable for any work performed as additional or extra work, unless such work is required of the Contractor in writing as provided in the Specifications. All such work which might have been performed by the Contractor without such written order first being given shall be at the Contractor's risk, cost, and expense, and the Contractor hereby covenants and agrees that, without such written order, he shall make no claim for compensation for such unauthorized work.

9. It is further distinctly agreed that the Contractor shall not assign this contract, nor any part thereof, nor any right to any sums to be paid him hereunder, nor shall any part of the work to be done or material furnished under this contract be sublet, without the consent in writing of the Sponsor.

10. It is also agreed and understood that the acceptance of the final payment by the Contractor shall be considered as a release in full of all claims against the Sponsor and/or the Pennsylvania Department of Transportation arising out of, or by reason of, the work done and materials furnished under this contract.

11. The Contractor shall accept, insofar as the work covered by the contract is concerned, the provisions of the Workmens Compensation Act of 1915, and any supplements or amendments thereto, and shall insure his liability thereunder or file with the Department of Transportation a certificate of exemption from insurance from the Bureau of Workers' Compensation of the Department of Labor and Industry.

12. In order to secure proper and complete compliance with the terms and provisions of this contract, the Contractor shall provide a bond in a sum equal to one hundred percent (100%) of the total contract price of the work to be done. The Contractor shall also secure an additional bond in the same amount for the prompt payment in full for all labor and materials supplied in performing work on this project. Both bonds are attached to and made a part of this contract.

13. The Contractor hereby further agrees to receive and the Sponsor agrees to pay the prices set forth in the linked bid items as full compensation for furnishing all the materials and labor which may be required in the prosecution and completion of all work to be done under this contract, and in all respects to complete the contract to the satisfaction of the Sponsor.

14. Contractor is undertaking the work be to performed under the terms of this agreement covenants and agrees to comply with the required contract provisions set forth in F.A.R.-C.A., September 1975, issued by the United States Department of Transportation, Federal Highway Administration, and the Commonwealth Nondiscrimination Clause marked Exhibit A, and the Commonwealth Contractor Integrity Provisions marked Exhibit B which are attached to and made a part of this Agreement.

15. The Contractor certified in his, her, its or their bid submission to the disclosure of lobbying activities and, if applicable, completed the disclosure form and by said certification understands that Public Law 101-121, Section 319, prohibits federal funds from being expended by recipient or any lower tier sub-recipients of a federal contract, grant, loan or cooperative agreement to pay any person for influencing or attempting to influence a federal agency or Congress in connection with the awarding of any federal contract, the making of any federal grant or loan, or the entering into of any cooperative agreement.

16. If federal funds are involved, the Contractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. Contractor shall carry out applicable requirements of 49 C.F.R. Part 26 - DATED OCTOBER 16, 2001 in the award and administration of United States Department of Transportation assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the Pennsylvania Department of Transportation deems appropriate. Contractor must include this assurance in each subcontract that it signs with a subcontractor.

Contract Workflow Status

Status	Name	Disposition	Date/Time
Draft	Becki G Mescher-Vuxta/ PennDOT	Award	11/13/2012 08:45:43 AM
Contractor Review	John R Kulka PE/PennDOT BP-001239	Sign	11/13/2012 09:09:45 AM
BOD CMD Review	Becki G Mescher-Vuxta/ PennDOT	Accept	11/13/2012 03:42:21 PM

Municipality Review	Joseph D Nevling/PennDOT BP-006792	Sign	11/20/2012 11:28:49 AM
Solicitor Review	Richard A Bell/PennDOT BP-006792	Accept	11/21/2012 11:01:15 AM
CMD Execute	Delores A Ritzman/PennDOT	Submit	11/21/2012 11:16:42 AM

Addenda

Addendum: 1

Description:

The description and location of the project is as follows: For the improvement of a certain section of STATE HIGHWAY in CLEARFIELD COUNTY, COALPORT BOROUGH, Commonwealth of Pennsylvania, MAIN STREET, SECTION ENH. The project being situated as follows:

In the Borough of Coalport, along SR 0053 from Segment 0030 Offset 1752 to Segment 0040 Offset 0829 (also known as Main Street). The project length is approximately 1492 feet.

For streetscape improvements including: sidewalks, concrete curbing, ornamental light poles and fixtures and miscellaneous construction as indicated on the approved drawings included in the bid package.

Estimated Project: \$696,606.20
Federal Project Status: PENNDOT Oversight Non-NHS
DBE: 2.00%
Structure Work: 0.00%
Wage Rates: Yes
Project Type: Municipal
State Type of Work: MISCELLANEOUS
Prequalification Required: Yes
Pre-Bid Meeting: None
Scheduled Let: 08/30/2012 11:00:00 AM
New Let:
Let Date Move:
Anticipated NTP: 11/19/2012
Required Completion: 09/18/2013

Additional Information

This is an ECMS project. All Addenda will be electronically posted. Place for delivery of diskette bid before 11:00 a.m. prevailing local time on the scheduled let date: PENNDOT CONTRACT AWARDS ROOM, 7TH FLOOR; COMMONWEALTH KEYSTONE BUILDING; 400 NORTH STREET; HARRISBURG PA 17120

Item and Quantity

Special Provision

ITEM 9000-0020 - Revised material section to only include bedding, backfill and concrete.

Other

Bid Items

Item	Description	Quantity	Unit Price	Item Total	Addendum
0201-0001	CLEARING AND GRUBBING	1.000	\$2,000.00	\$2,000.00	
0203-0004	CLASS 1B EXCAVATION	276.000	\$77.00	\$21,252.00	
0213-0002	TEMPORARY PROJECT AIR POLLUTION CONTROL	1,000.000	\$1.00	\$1,000.00	
0309-0523	SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 3 TO < 10 MILLION ESALS, 25.0 MM MIX, 4 1/2" DEPTH	772.000	\$46.00	\$35,512.00	
0350-0106	SUBBASE 6" DEPTH (NO. 2A)	772.000	\$29.00	\$22,388.00	
0409-0585	SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG 64-22, 3 TO < 10 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-L	772.000	\$25.00	\$19,300.00	
0409-6550	SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG 64-22, 3 TO < 10 MILLION ESALS, 19.0 MM MIX, 2 1/2" DEPTH	772.000	\$22.25	\$17,177.00	
0460-0001	BITUMINOUS TACK COAT	1,540.000	\$0.10	\$154.00	
0601-7005	12" REINFORCED CONCRETE PIPE, TYPE A, 30' - 1.5' FILL	12.000	\$165.00	\$1,980.00	
0605-2711	TYPE C CONCRETE TOP UNIT AND BICYCLE SAFE GRATE	2.000	\$775.00	\$1,550.00	
0605-2850	STANDARD INLET BOX, HEIGHT < /= 10'	2.000	\$2,500.00	\$5,000.00	
0608-0001	MOBILIZATION	1.000	\$36,000.00	\$36,000.00	
0630-0001	PLAIN CEMENT CONCRETE CURB	3,000.000	\$25.00	\$75,000.00	
4630-0001	PLAIN CEMENT CONCRETE CURB (MODIFIED)	137.000	\$62.00	\$8,494.00	
4676-0001	CEMENT CONCRETE SIDEWALK (MODIFIED)	41.000	\$127.00	\$5,207.00	
0676-0001	CEMENT CONCRETE SIDEWALK	1,331.000	\$81.50	\$108,476.50	
0686-0040	CONSTRUCTION SURVEYING, TYPE C	1.000	\$8,000.00	\$8,000.00	
0689-0002	NETWORK SCHEDULE	1.000	\$700.00	\$700.00	
0695-0003	DETECTABLE WARNING SURFACE, POLYMER CONCRETE	432.000	\$28.00	\$12,096.00	
0804-0011	SEEDING AND SOIL SUPPLEMENTS - FORMULA B	10.000	\$475.00	\$4,750.00	
0804-0014	SEEDING - FORMULA E	3.000	\$110.00	\$330.00	
0805-0022	MULCHING - STRAW	1.000	\$1,050.00	\$1,050.00	
0810-0052	SELECTIVE TREE REMOVAL	2.000	\$1,600.00	\$3,200.00	
0860-0000	INLET FILTER BAG FOR TYPE M INLET	11.000	\$175.00	\$1,925.00	
0860-0002	INLET FILTER BAG FOR TYPE C INLET	2.000	\$225.00	\$450.00	
0901-0001	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION	1.000	\$30,000.00	\$30,000.00	
0901-0231	ADDITIONAL WARNING LIGHTS, TYPE B	50.000	\$1.00	\$50.00	
0901-0232	ADDITIONAL WARNING LIGHTS, TYPE C	50.000	\$0.50	\$25.00	
0901-0240	ADDITIONAL TRAFFIC CONTROL SIGNS	200.000	\$8.00	\$1,600.00	
0910-4115	AWG 6 UNDERGROUND CABLE, COPPER, 1 CONDUCTOR	1,920.000	\$2.10	\$4,032.00	
0910-4116	AWG 8 UNDERGROUND CABLE, COPPER, 1 CONDUCTOR	13,760.000	\$1.75	\$24,080.00	
0910-5055	2" DIRECT BURIAL CONDUIT	4,144.000	\$3.75	\$15,540.00	
0910-5175	2" EXPOSED CONDUIT	30.000	\$8.25	\$247.50	
0910-6000	TRENCH	2,628.000	\$10.50	\$27,594.00	
0910-7020	COMPLETE POWER SUPPLY SYSTEM	2.000	\$9,000.00	\$18,000.00	
0931-0001	POST MOUNTED SIGNS, TYPE B	7.000	\$650.00	\$4,550.00	
0941-0001	RESET POST MOUNTED SIGNS, TYPE B	10.000	\$525.00	\$5,250.00	
0962-1001	6" WHITE WATERBORNE PAVEMENT MARKINGS	570.000	\$2.35	\$1,339.50	
0962-1005	4" YELLOW WATERBORNE PAVEMENT MARKINGS	5,914.000	\$0.35	\$2,069.90	
0963-0004	4" PAVEMENT MARKING REMOVAL	6,925.000	\$4.25	\$29,431.25	
9000-0001	CONCRETE STEPS	2.000	\$3,000.00	\$6,000.00	
9000-0002	TRENCH DRAINS	20.000	\$220.00	\$4,400.00	
9000-0003	PREPARATION OF TREE PLANTING PIT	23.000	\$150.00	\$3,450.00	
9000-0004	RELOCATE USPS MAIL BOX	1.000	\$175.00	\$175.00	
9000-0006	SUBSURFACE DRAIN OUTLETS	60.000	\$35.00	\$2,100.00	
9000-0020	FIRE HYDRANT RELOCATION	1.000	\$2,600.00	\$2,600.00	
9676-0001	STAMPED COLORED CEMENT CONCRETE SIDEWALK	633.000	\$125.00	\$79,125.00	
9910-0006	LIGHT POLE FOUNDATION	32.000	\$1,325.00	\$42,400.00	
9910-0007	DECORATIVE COMPOSITE LIGHT POLE	32.000	\$2,100.00	\$67,200.00	

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9910-0008	98-WATT POST TOP ARCHITECTURAL STYLE LED LUMINAIRE	32.000	\$1,250.00	\$40,000.00
9910-0009	DUPLEX RECEPTACLE WITH WEATHERPROOF ENCLOSURE MOUNTED NEAR TOP OF POLE	32.000	\$150.00	\$4,800.00
9910-0010	DUPLEX RECEPTACLE WITH WEATHERPROOF ENCLOSURE MOUNTED NEAR BOTTOM OF POLE	14.000	\$150.00	\$2,100.00

Contract Total: \$811,150.65

Bid Total: \$811,150.65

Special Provisions

G2A - a00002 PUBLIC BID OPENING LOCATION

Addendum:

Associated Item(s):

Header:

PUBLIC BID OPENING LOCATION

Provision Body:

The location of the public bid opening is the Commonwealth Keystone Building, 7th Floor, Contract Awards Room, 400 North Street, Harrisburg. Allow sufficient time before the bid opening to obtain a visitor pass on the 5th Floor and to be escorted to the 7th Floor Contract Awards Room.

G101B - a00101 GOVERNING SPECIFICATIONS AND APPLICABLE DESIGNATED SPECIAL PROVISIONS

Addendum:

Associated Item(s):

Header:

GOVERNING SPECIFICATIONS AND APPLICABLE DESIGNATED SPECIAL PROVISIONS

Provision Body:

I. GOVERNING SPECIFICATIONS. This bid proposal is made under, subject to, and governed by:

Specifications 408/2011, Change No. 2, effective April 6, 2012 of the Pennsylvania Department of Transportation. Within these Specifications where dual measurement and tabular options are presented English standards apply.

II. APPLICABLE DESIGNATED SPECIAL PROVISIONS. The following Designated Special Provisions are found in Appendix C to the above Governing Specifications. Those that apply to this bid proposal are preceded with a check (i.e., "X"). Goals, minimum levels of participation, or other project specific requirements associated with these documents are also established where applicable:

DSP1. Offset Provision for Commonwealth Contracts.

DSP2. Contractor Responsibility Provisions.

DSP3. Provisions for Commonwealth Contracts Concerning the Americans with Disabilities Act.

DSP4. Minority Business and Women Business Enterprise Participation Requirements. This is used on 100% State projects requiring Prequalification. The minimum levels of participation for this project are:

MBE WBE

(*fill in*)% (*fill in*)%

DSP5. Minority Business and Women Business Enterprise Program. This is used only on 100% State projects over \$100,000 requiring Prequalification and where DSP4 does not apply.

() DSP6. Minority Business and Women Business Enterprise Utilization Requirements. This is used on State projects without Prequalification requirements. Minimum participation levels of 5% for MBE and 3% for WBE of the dollar amount of the bid have been established for this project.

(X) DSP7. Disadvantaged Business Enterprise Requirements. This is used on Federal - aid projects only. In conjunction with this contract a goal of (2) % of the original contract amount has been established.

(X) DSP9. Special Supplement - Anti-Pollution Measures - August 26, 1999.

(X) DSP10. Nondiscrimination/Sexual Harassment Clause.

(X) DSP11. Contractor Integrity Provisions.

(X) DSP12. Executive Order 11246, with Appendix A and B.

G113B - a00113 CONTRACT PROVISIONS - RIGHT-TO-KNOW LAW

Addendum:

Associated Item(s):

Header:

CONTRACT PROVISIONS - RIGHT TO KNOW LAW

Provision Body:

I. Contract Provisions – Right to Know Law 8-K-1532

a. The Pennsylvania Right-to-Know Law (RTKL), 65 P.S. §§ 67.101-3104, applies to this Contract.

b. If the Department needs assistance in any matter arising out of the RTKL related to this Contract, the Department will notify the Contractor using the legal contact information provided in this Contract. The Contractor, at any time, may designate a different contact for such purpose upon reasonable prior written notice to the Department.

c. Upon written notification from the Department that it requires assistance in responding to a request under the RTKL for information related to this Contract that may be in the Contractor's possession, constituting, or alleged to constitute, a public record in accordance with the RTKL ("Requested Information"), the Contractor will:

1. Provide the Department, within 10 calendar days after receipt of written notification, access to, and copies of, any document or information in the Contractor's possession arising out of this Contract that the Department reasonably believes is Requested Information and may be a public record under the RTKL; and

2. Provide such other assistance as the Department may reasonably request, in order to comply with the RTKL with respect to this Contract.

d. If the Contractor considers the Requested Information to include a request for a Trade Secret or Confidential Proprietary Information, as those terms are defined by the RTKL, or other information that the Contractor considers exempt from production under the RTKL, notify the Department and provide, within 7 calendar days of receiving the written notification, a written statement signed by a representative of the Contractor explaining why the requested material is exempt from public disclosure under the RTKL.

e. The Department will rely upon the written statement from the Contractor in denying a RTKL request for the Requested Information unless the Department determines that the Requested Information is clearly not protected from disclosure under the RTKL. Should the Department determine that the Requested Information is clearly not exempt from disclosure, provide the Requested Information within 7 calendar days of receipt of written notification of the Department's determination.

f. Failing to provide the Requested Information within the time period required by these provisions, indemnify and hold the Department harmless for any damages, penalties, costs, detriment or harm that the Department may incur as a result of this failure, including any statutory damages assessed against the Department.

g. The Department will reimburse the Contractor for any costs associated with complying with these provisions only to the extent allowed under the fee schedule established by the Office of Open Records or as otherwise provided by the RTKL if the fee schedule is inapplicable.

h. The Contractor may file a legal challenge to any Department decision to release a record to the public with the Office of Open Records, or in the Pennsylvania Courts, however, indemnify the Department for any legal expenses incurred by the Department as a result of such a challenge and hold the Department harmless for any damages, penalties, costs, detriment or harm that the Department may incur as a result of the failure, including any statutory damages assessed against the Department, regardless of the outcome of such legal challenge. As between the parties, agree to waive all rights or remedies that may be available as a result of the Department's disclosure of Requested information pursuant to the RTKL.

i. The Contractor's duties relating to the RTKL are continuing duties that survive the expiration of this Contract and continue as long as the Requested Information remains in the Contractor's possession.

G401A - a00401 ADVANCE NOTICE OF TRAFFIC RESTRICTIONS

Addendum:

Associated Item(s):

Header:

ADVANCE NOTICE OF TRAFFIC RESTRICTIONS

Provision Body:

Notify the Engineer at least 4 calendar days in advance of the start of any operation which will affect the flow of traffic and provide the Engineer with details of the work to be done. After notification, the District Office will advise the public of these traffic restrictions and possible delays.

G901B - a00901 ALTERNATE EROSION AND SEDIMENT POLLUTION CONTROL PLAN

Addendum:

Associated Item(s):

Header:

ALTERNATE EROSION AND SEDIMENT POLLUTION CONTROL PLAN

Provision Body:

Comply with these requirements when submitting an alternate plan for accomplishing equal or better temporary and permanent erosion and sediment pollution control. Do not start work until the alternate erosion and sediment pollution control plan, schedules, and operation methods have been approved by the Department and the Department of Environmental Protection, or by the Department and the County Conservation District, as applicable.

Apply for any earth disturbance permits or permit amendments not included in the proposal documents that are required because of the nature of the contemplated construction procedures.

Prepare and furnish, with the applications, plans and documents that are required by the Department of Environmental Protection or the County Conservation District.

Provide simultaneously to the District Executive a copy of all plans and documents that affect the construction requirements.

Provide immediately to the District Executive any modifications that are made to the plans and documents that are required by the Department of Environmental Protection or the County Conservation District.

Obtain the approval of the Department and the permit from the Department of Environmental Protection prior to beginning any work when a permit is required, and the approval of the Department and the County Conservation District when a permit is not required.

Acquire areas outside of the right-of-way that are necessary for erosion and sediment pollution control. Proceed with the agreement procedure described in Section 105.14 (Borrow Areas and Waste Areas).

G1101B - a01101 CONSTRUCTION PROCEDURES - EROSION AND SEDIMENT POLLUTION CONTROL

Addendum:

Associated Item(s):

Header:

CONSTRUCTION PROCEDURES - EROSION AND SEDIMENT POLLUTION CONTROL

Provision Body:

I. Observe the applicable following procedures during the entire period of construction as directed:

(a) Conduct all operations as specified in the erosion and sediment pollution control plan and in such a manner to minimize turbidity in streams. Do not discharge water containing sediments or pollutants into the streams.

(b) Direct flowing water away from project construction areas.

(c) Limit movement of equipment through the streambed in accordance with the approved plan so as to prevent unnecessary siltation or disturbance. Permit equipment to cross flowing channels only on rock roadways and/or bridges to prevent constant turbulency and siltation.

Construct rock crossings, causeways or cofferdams with rock having a minimum size of 75 mm (3 inches) or larger as directed; also, the surface may be choked with stone aggregate having a minimum size of 9.5 mm (3/8-inch). Do not use earth or other materials which may cause sedimentation, for any crossings, causeways or cofferdams.

(d) Seed and/or stabilize all stream banks immediately upon completion of grading.

(e) Seed all cut and fill slopes when they have reached a vertical height of 4.5 m (15 feet). On areas where permanent seeding will not be performed within a period of 20 days after the excavation or embankment operations have been completed place temporary seeding (annual Ryegrass) and mulching on all soil areas.

(f) Control the entire grading area at all times during construction by placing the erosion and sediment pollution control devices that can be installed prior to disturbing the earth and the stabilization devices as soon as the required earthwork has been performed.

(g) For any excavation material stockpiled more than 20 days, take interim stabilization measures to minimize erosion of the stockpile slopes.

(h) Clean the sedimentation structures during construction as specified in Section 861. Dispose of silt fencing and sediment removed from the project, as directed.

(i) Separate all water originating outside of the project from that originating within.

- (j) During the life of the contract, be responsible for the maintenance of all erosion and sediment pollution control devices.
- (k) Seed all borrow and waste areas in accordance with the approved plans and with item (e) above.

G1601A - a01601 E.E.O. COVERED AREA

Addendum:

Associated Item(s):

Header:

E.E.O. COVERED AREA

Provision Body:

For the purpose set forth in the Executive Order 11246 the covered area for this contract is Clearfield, which is within the Economic Area of Williamsport as listed in Appendix B of Designated Special Provision 12 (DSP12) entitled "Executive Order 11246 (with Appendix A and B)" in Appendix C of Pub 408.

G2701B - a02701 LOCAL AUTHORITY CONTRACT--DEPARTMENT LET

Addendum:

Associated Item(s):

Header:

LOCAL AUTHORITY CONTRACT--DEPARTMENT LET

Provision Body:

The Commonwealth will open bids and award the contract in the name of Borough of Coalport.

The contractor is advised that the contract will be executed by this above Municipality.

The contractor is to name the above Municipality as additional insured on insurance certificate.

Also all payments made to the Contractor for work performed will be by this above Municipality.

Publication 408 wherever references are made to the Commonwealth, the Department or its employees, for the purpose of this contract it will mean the contracting Local Authority and its corresponding employees, unless otherwise superseded by Law.

However, prequalification of bidders, as specified in Section 102.01, will be performed by the Department.

G4301D - a04301 UTILITIES--THE REQUIREMENT TO LIST INFORMATION

Addendum:

Associated Item(s):

Header:

UTILITIES--THE REQUIREMENT TO LIST INFORMATION

Provision Body:

I. Cooperate with the public utility companies and local authorities in the placement, replacement, relocation, adjustment, or reconstruction of their structures and facilities during construction. Contact all utility representatives at least 15 calendar days before starting operations.

PRIOR	Anticipated completion before the Notice to Proceed is issued. Use actual or anticipated completion date shown.
RESTRICTIVE	To be completed by the utility or string of utilities before operating without restriction. Number of calendar days will start from the actual notice to proceed that is issued to the contractor.
CONCURRENT	Simultaneous with, but not restricting, operations. Number of calendar days required.
COORDINATED	Phasing with specific construction operations. Number of calendar days required after completion of specific construction operations.
NOT AFFECTED	Identifies utility with facilities in the construction area not anticipated to be affected. Specific information may be provided by the utility.
INCORPORATED	Utility relocation work to be incorporated into the prime highway construction contract.
CONDITIONAL RESTRICTIONS AND TIME REQUIREMENTS	Identify conditions affecting the utility's ability to perform a certain type of utility relocation work, i. e., certain times of the day, week, or year that a facility cannot be shut down, acquisition of Right-of-Way by the state, or demolition of buildings.

BCI MUNICIPAL AUTHORITY (WATER)

Contact: Rick Hoover, Telephone 814-672-0388

NOT AFFECTED: (U/G) S.R. 0053, Sta 78+00 Rt to Sta. 94+00 Rt

NOT AFFECTED: (U/G) S.R. 0053, Sta 78+00 Lt to Sta. 80+20 Lt

COORDINATED: (U/G) S.R. 0053, Sta 80+20 Lt to Sta 90+72 Lt. Contractor will set final grade. Utility will vertically adjust water valves to final grade. Notify the Utility two (2) weeks prior to beginning work. Five (5) calendar days required.

INCORPORATED: (U/G) S.R. 0053, Sta 90+85 Lt. Hydrant. Relocated hydrant to Sta 90+99 Lt. Utility Pay Item 9000-0020. Notify the Utility two (2) weeks prior to beginning work. One (1) calendar day required.

NOT AFFECTED: (U/G) S.R. 0053, Sta 90+97 Lt to Sta 94+00 Lt

BCI MUNICIPAL AUTHORITY (SEWER)

Contact: Rick Hoover, Telephone 814-672-0388

NOT AFFECTED: (U/G) S.R. 0053, Sta78+00 to Sta 94+00

PENELEC - A FIRST ENERGY CORP

Contact: Scott Burkett, Telephone 814-768-4148

RESTRICTIVE: (Aerial) S.R. 0053, Sta 78+00 Rt to Sta 94+00 Rt. Utility will relocate six (6) poles to accommodate new curb and ADA ramps. Twenty eight (28) calendar days required after the contractor's notice to proceed.

RESTRICTIVE: (Aerial) S.R. 0053, Sta 78+00 Lt to Sta 94+00 Lt. Utility will relocate seven (7) poles to accommodate new curb and ADA ramps. Twenty five (25) calendar days required. Fifty three (53) calendar days required after the contractor's notice to proceed.

RESTRICTIVE: (Aerial) S.R. 0053, Sta 68+73 Lt. Utility will remove pole #63337 to accommodate new curb and ADA ramps. Two (2) calendar days required. Fifty five (55) calendar days required after the contractor's notice to proceed.

COMCAST CABLE COMPANY

Contact: Doug Olszewski, Telephone 724-459-9042, ext. 72661

RESTRICTIVE: (Aerial) S.R. 0053, Sta 78+00 Rt to Sta 94+00 Rt. Utility will re-attach to six (6) relocated poles to accommodate new curb and ADA ramps. Ten (10) calendar days required after Penelec completes its work. Sixty five (65) days required after the contractor's notice to proceed.

RESTRICTIVE: (Aerial) S.R. 0053, Sta 78+00 Lt to Sta 94+00 Lt. Utility will re-attach to seven (7) relocated poles to accommodate new curb and ADA ramps. Ten (10) calendar days required. Seventy five (75) calendar days required after the contractor's notice to proceed.

WINDSTREAM PENNSYLVANIA INC.

Contact: Dave Stauffer, Telephone 570-522-5953

RESTRICTIVE: (Aerial) S.R. 0053, Sta 78+00 Rt to Sta 94+00 Rt. Utility will re-attach to six (6) relocated poles to accommodate new curb and ADA ramps. Nine (9) calendar days required after Penelec & Comcast complete their work. Eighty four (84) calendar days required after the contractor's notice to proceed.

RESTRICTIVE: (Aerial) S.R. 0053, Sta 78+00 Lt to Sta 94+00 Lt. Utility will re-attach to seven (7) relocated poles to accommodate new curb and ADA ramps. One (1) calendar day required. Eighty five (85) calendar days required after the contractor's notice to proceed.

G4802A - a04802 INDEX PRICE FOR DIESEL FUEL

Addendum:

Associated Item(s):

Header:

Index Price for Diesel Fuel

Provision Body:

The index price for diesel fuel (FB), as determined by the Department, is \$3.05 per Gallon. Use this index price in accordance with Section 110.12 PRICE ADJUSTMENT FOR DIESEL FUEL COST FLUCTUATIONS.

G4901A - a04901 PRICE INDEX FOR ASPHALT CEMENT

Addendum:

Associated Item(s):

Header:

PRICE INDEX FOR ASPHALT CEMENT

Provision Body:

The price index for asphalt cement (PG 64-22), as determined by the Department is \$585.50 per Ton. Use this price index in accordance with Section 110.04 PRICE ADJUSTMENT OF BITUMINOUS MATERIALS.

G4902C - a04902 PRICE ADJUSTMENT FOR STEEL COST FLUCTUATIONS

Addendum:

Associated Item(s):

Header:

PRICE ADJUSTMENT FOR STEEL COST FLUCTUATIONS

Provision Body:

These requirements provide for a price adjustment, in the form of a payment to the Contractor or a rebate to the Department, for fluctuations in the cost of the steel used in the applicable materials placed as part of the construction work specified in Sections 620, 621, 948, 1002, 1005, 1050, 1056, 1080, and 1085.

(a) General. These price adjustment provisions apply to items in the contract Schedule of Prices, as specified above, including any modified standard or non-standard item where the work to be performed includes incorporation of one or more of the applicable steel materials specified in the above Sections and addressed herein. Additionally, items in the Component Item Schedule (CIS) for an "as-designed" or alternate design structure, as well as work performed under a design-build contract, will be included when applying the specified price adjustment requirements, provided the work to be performed includes incorporation of one or more of the applicable steel materials specified in the above Sections and addressed herein. Terminal sections, end treatments, transitions, and transition treatments associated with guide rail and metal median barrier work; as well as mechanical splice systems, pile tip reinforcement, high load multi-rotational bearings, shear connectors, and scuppers; will not be subject to the price adjustment criteria and conditions specified herein.

To elect to have these price adjustment provisions apply to one or more of the steel product categories identified herein, when planned for incorporation into a specific project, advance notification must be submitted to the Department. The apparent low bidder is required to submit the Steel Escalation Option form attached to the proposal, via fax, to (717) 705-1504, or email to steeloptions@pa.gov by 3:00 pm prevailing local time within 7 calendar days after the bid opening. When the seventh calendar day after the bid opening falls on a day PENNDOT offices are closed, submit the Steel Escalation Option form by 3:00 pm prevailing local time on the next business day. If a properly completed Steel Escalation Option form is not provided by the apparent low bidder within the time specified, the Department will consider the option to apply these price adjustment provisions to the project to be declined. Furthermore, if a Steel Escalation Option form, when provided within the specified time, has been completed such that the Department is unable to ascertain the bidder's intention with regard to the inclusion of any one of the applicable steel product categories, the Department will consider the option to apply these price adjustment provisions to that product category to be declined. No further opportunity to elect steel escalation for the project or an individual steel product category will be made available. In the event the apparent low bid is rejected, the next lowest bidder will be notified to submit the Steel Escalation Option form by 3:00 pm prevailing local time within 7 calendar days after notification.

The Department posts a monthly index price for steel (\$ per ton) based on data obtained from the U.S. Department of Labor (USDOL), Bureau of Labor Statistics, which publishes monthly Producer Price Index (PPI) values for various commodities. The statewide index price for steel will be based on the PPI value posted by USDOL for "Semi-finished Steel Mill Products" (Series ID: WPU101702). The Department will post its monthly index price for steel after the USDOL lists the PPI value on which it is based as final.

The "base / benchmark" index price, SB, will be the steel index price posted by the Department, determined as specified above, for the month in which project letting occurred.

The "invoice" index price, SI, will be the steel index price posted by the Department, determined as specified above, for the month in which applicable steel material is invoiced.

Steel material will be considered invoiced as of the date when an invoice from the steel mill providing the necessary raw material is sent to the Contractor or to a subcontractor, fabricator, manufacturer, or supplier. The steel price adjustment provisions specified herein are not applicable to raw steel material having a mill invoice date that precedes the project letting date. On a quarterly basis, provide documentation of the invoice date for applicable steel material incorporated into the work during the prior 3-month period. Documentation is to be in the form of a tabulation that lists all material invoiced during the period, in chronological order by invoice date; the quantity invoiced; and the applicable contract item(s) and corresponding project location(s) where the invoiced quantity or portion thereof was incorporated, along with copies of supporting invoices. Have a representative of the Contractor, authorized to make such statements, certify that the information provided in the tabulation is complete and accurate and may be relied upon by the Department.

Failure to provide the required tabulation within 10 calendar days of the end of each, applicable 3-month period will result in the Department computing a price adjustment (rebate or increase) using a value for SI that results in the greatest possible price rebate or least possible price increase based on the monthly index prices posted by the Department, to date, since work on the project began.

(b) Price Adjustment Criteria and Conditions. The following criteria and conditions will be considered in determining a price adjustment for steel cost fluctuations.

1. No Price Adjustment. When the ratio SI/SB falls within the range of 0.95 to 1.05, no price adjustment will be made for applicable steel material having an invoice date that falls within the month for which the SI index price was posted.

2. Price Rebate. When the ratio SI/SB is calculated to be less than 0.95, the Department will receive an automatic price rebate, for applicable steel material having an invoice date that falls within the month for which the SI index price was posted, to be determined in accordance with the following formula:

$$P.R. = (0.95 - SI / SB) (SB) (ST)$$

where:

P.R. = Price Rebate

SI = Index price for the month in which applicable steel material is invoiced.

SB = Index price for the month in which project letting occurred.

ST = Quantity (tons) of applicable steel material incorporated into the work during the applicable 3-month period.*

*Computed based on the quantity paid, under applicable contract items, on current estimates processed during the 3-month period addressed in the tabulation provided by the Contractor. Not to exceed the total tonnage of applicable steel material invoiced during the month for which the SI index price was posted, as shown on the Contractor's tabulation.

3. Price Increase. When the ratio SI/SB is calculated to be greater than 1.05, the Contractor will receive a price increase, for applicable steel material having an invoice date that falls within the month for which the SI index price was posted, to be determined in accordance with the following formula:

$$P.I. = (SI / SB - 1.05) (SB) (ST)$$

where:

P.I. = Price Increase

SI = Index price for the month in which applicable steel material is invoiced.

SB = Index price for the month in which project letting occurred.

ST = Quantity (tons) of applicable steel material incorporated into the work during the applicable 3-month period.*

* Computed based on the quantity paid, under applicable contract items, on current estimates processed during the 3-month period addressed in the tabulation provided by the Contractor. Not to exceed the total tonnage of applicable steel material invoiced during the month for which the SI index price was posted, as shown on the Contractor's tabulation.

4. Equivalent Tonnage. For applicable steel material furnished under a separate contract item, under a design-bid-build contract, or under a design-build contract the equivalent steel tonnage will be computed as indicate in the following sections.

For design-build contracts, provide an itemized breakdown of the applicable steel materials addressed herein incorporated into the work and indicate the quantity of each actually installed. Indicated quantities should be based on field measurements or take-offs from the approved plans or shop drawings and be equivalent to those used to compute payments made against the Lump Sum construction item on current estimates.

4.a Guide Rail and Metal Median Barrier. For applicable guide rail and metal median barrier components (i.e. rail elements, posts, and rubbing rail) furnished under separate contract items or as part of a single contract item for guide rail / metal median barrier complete in place, the equivalent steel tonnage is computed as follows:

4.a.1 Guide Rail or Median Barrier Rail Element (Weak Post or Strong Post).

$$\text{Steel Tonnage (ST)} = 7.84 (Q) / 2000$$

where:

Q = Quantity (linear feet) of weak post or strong post guide rail element paid on current estimates processed during the applicable 3-month period

4.a.2. Type 2W Posts.

$$\text{Steel Tonnage (ST)} = 8.67 (L) (Q) / 2000$$

where:

L = Length of each post (feet) as required by the Standard Drawings or as specified

Q = Quantity (each) of Type 2W posts paid on current estimates processed during the applicable 3-month period.

4.a.3 Type 2S Posts.

$$\text{Steel Tonnage (ST)} = 9.17 (L) (Q) / 2000$$

where:

L = Length of each post (feet) as required by the Standard Drawings or as specified

Q = Quantity (each) of Type 2S posts paid on current estimates processed during the applicable 3-month period

4.a.4 Rubbing Rail.

$$\text{Steel Tonnage (ST)} = 8.56 (Q) / 2000$$

where:

Q = Quantity (linear feet) of rubbing rail paid on current estimates processed during the applicable 3-month period

4.b Reinforcement Bars. For applicable reinforcement bars furnished under a separate contract item, as a component item associated with an alternate design structure, or as a component item associated with a design-build contract, the equivalent steel tonnage is computed as follows:

$$\text{Steel Tonnage (ST)} = (Q) / 2000$$

where:

Q = Quantity (pounds) of reinforcement bars paid on current estimates processed during the applicable 3-month period.

4.c Piles. For applicable steel beam bearing piles, cast-in-place concrete bearing piles, cast-in-place concrete piles, and steel pipe piles, furnished under a separate contract item, as a component item associated with an alternate design structure, or as a component item associated with a design-build contract, the equivalent tonnage is computed as follows:

4.c.1 Steel H-Piles.

$$\text{Steel Tonnage (ST)} = (UW) (Q) / 2000$$

where:

UW= Unit Weight of the Steel Beam* (pounds per foot)

Q = Quantity (linear feet) of steel piles paid on current estimates processed during the applicable 3-month period.

* The unit weight of steel will be the second of the two numbers associated with the size designation for the beam as cited in the item description (i.e. If the item description is "Steel Beam Bearing Piles, HP12x74", the unit weight of the steel is 74 pounds per foot).

4.c.2 Cast-in-Place Concrete Piles.

$$\text{Steel Tonnage (ST)} = 2.80 (D) (Q) / 2000$$

where:

D = Diameter of the steel shell (inches)*

Q = Quantity (linear feet) of cast-in-place concrete piles paid on current estimates processed during the applicable 3-month period.

* From the approved structure Plans or field measurements. For cylindrical shells of varying diameter, a weighted average diameter will be used, computed based on the number of shells of each diameter actually installed. For tapered shells, an average diameter will be used, computed as the average of the shell diameters at the butt end and at the tip.

4.c.3 Pipe Piles.

$$\text{Steel Tonnage (ST)} = 6.70 (D) (Q) / 2000$$

where:

D = Diameter of the steel pipe (inches)*

Q = Quantity (linear feet) of pipe piles paid on current estimates processed during the applicable 3-month period.

* From the approved structure Plans or field measurements.

4.d Steel Sign Structure. For applicable steel sign structures constructed under a separate contract item, the equivalent tonnage is computed as follows:

$$\text{Steel Tonnage (ST)} = (Q) / 2000$$

where:

Q = Quantity (pounds) of steel in each sign structure, or portion thereof, paid on current estimates processed during the applicable 3-month period.*

*Not to exceed the estimated weight of each sign structure as indicated on the structure Plans.

4.e Fabricated Structural Steel. For applicable fabricated structural steel; furnished under a separate contract item, as a component item associated with an "as-designed" or alternate design structure, or as a component item associated with a design-build contract; the equivalent tonnage is computed as follows:

$$\text{Steel Tonnage (ST)} = (Q) / 2000$$

where:

Q = Quantity (pounds) of fabricated structural steel girders, rolled beams, angle, and plate paid on current estimates processed during the applicable 3-month period.

4.f Precast Reinforced Concrete Box Culverts and Prestressed Concrete Bridge Beams. For applicable precast reinforced concrete box culvert segments and prestressed concrete bridge beams; furnished under a separate contract item, as a component item associated with an "as-designed" or alternate design structure, or as a component item associated with a design-build contract; the equivalent tonnage is computed as follows:

$$\text{Steel Tonnage (ST)} = (UW)(Q)/2000$$

where:

UW= Unit Weight (pounds per foot) of reinforcing steel in a box culvert segment or of reinforcing steel and prestressing strands in a prestressed bridge beam.*

Q = Quantity (linear feet) of precast reinforced concrete box culvert segments and prestressed concrete bridge beams paid on current estimates processed during the applicable 3-month period.

* Submit documentation indicating the weight (pounds) of reinforcing steel included in and the length (feet) of each box culvert segment, and the weight (pounds) of mild reinforcing steel and prestressing strands included in and the length (feet) of each prestressed bridge beam. UW will be computed as the average of the unit weight of steel (i.e. weight of steel divided by length) in each box culvert segment, or as the average of the unit weight of steel (i.e. weight of steel divided by length) in each prestressed bridge beam. Documentation must be submitted at the time required shop drawings are submitted for approval.

5. Payment/Rebate. The price adjustment will be paid, or rebated, upon approval of a contract adjustment to be prepared on a quarterly basis as applicable work is completed. Cumulative quarterly price adjustments amounting to less than \$1,000 will be disregarded.

6. Expiration of Contract Time. When eligible materials are purchased after expiration of contract time and liquidated damages are chargeable, the value for SI used to compute the price adjustment will be either the index price for the month in which applicable steel material is invoiced or the index price at the time contract time expired, whichever is less.

7. Final Quantities. Upon completion of the work and determination of final pay quantities, a final contract adjustment may be prepared to reconcile any difference between estimated quantities previously paid and the final quantities. In this situation, the value for SI used in the price adjustment formula will be the average of all SI values previously used for computing price adjustments.

8. Inspection of Records. The Department, through the Office of Inspector General, reserves the right to inspect the records of the prime contractor and its subcontractors and material fabricators and suppliers to ascertain actual invoicing dates and quantity information for the steel material used in the performance of applicable items of work.

9. Extra Work. When applicable items of work, as specified herein, are added to the contract as Extra Work, in accordance with the provisions of Section 110.03, no price adjustment will be made for fluctuations in the cost of the steel used in manufacturing the materials placed during performance of the extra work. The current price for steel is to be used when preparing required backup data for extra work to be performed at a negotiated price. For extra work performed on a force account basis, reimbursement of actual material costs, along with the specified overhead and profit markup, will be considered to include full compensation for the current cost of steel.

G7022A - a07022 CHANGES TO SPECIFICATION: SECTION 107

Addendum:

Associated Item(s):

Header:

CHANGES TO SPECIFICATIONS: SECTION 107

Provision Body:

SECTION 107 - Legal Relations and Responsibility to the Public

- Section 107.30(a)1. Revise to read as follows:

1. Equal employment opportunity requirements not to discriminate and to take affirmative action to assure equal employment opportunity, as required by Executive Order 11246 and Executive Order 11375, are set forth in Required Contract Provisions (Form FHWA-1273, except V. 2.b. revise first sentence to read as follows: the payroll records shall contain the name; an individually identifying number [e.g., the last four digits of the employee's social security number]; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof the types described in Section 1(b)(2)(B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid) and these requirements; imposed pursuant to 23 U.S.C. 140, as established by Section 22 of the Federal-Aid Highway Act of 1968. The Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-43 and the provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. The requirements set forth herein constitute the specific affirmative action requirements for project activities under this contract and supplement the equal employment opportunity requirements set forth in the Required Contract Provisions.

G7037D - a07037 CHANGES TO SPECIFICATIONS: SECTIONS 106, 108, 514, 515, 516, 676, AND 1107

Addendum:

Associated Item(s):

Header:

Changes to Specifications: Sections 106, 108, 514, 515, 516, 676, and 1107

Provision Body:

SECTION 106—CONTROL OF MATERIAL

- **Section 106.01 General.** Revise to read as follows:

106.01 GENERAL—Use material complying with the requirements of these specifications. At the pre-construction conference, submit a list of material to be sampled and tested by the Contractor and a list of material to be sampled and tested by the Department.

Comply with the provisions of the Pennsylvania Trade Practices Act, 71 P.S. Section 773.101, et seq., concerning the purchase of aluminum and steel products produced in a foreign country. On Federal -Aid projects, also comply with the provisions specified in Section 106.10.

Comply with the provisions of the Steel Products Procurement Act, 73 P.S. Section 1881, et seq. in the performance of the contract or any subcontract.

Following contract execution, furnish to the Department a complete statement of the project construction material's origin, composition, and manufacture.

For Fabricated Structural Steel materials, as identified in Section 1105.01(a) and inspected in accordance with Section 1105.01(e), and any other fabricated aluminum, precast or prestressed concrete products inspected during manufacturing, stamped and approved for shipment by the Department's Representative, furnish Form CS-4171 to the Inspector-in-Charge. Certified mill test reports for any steel included will be reviewed by the Department's Inspector and retained by the fabricator.

For all other steel products or products containing steel that will serve a permanent functional use in the project, provide the Inspector-in-Charge the following when the product is delivered to the project site:

- For any "identifiable" steel products, certification that Section 4 of the Steel Products Procurement Act, 73 P.S. Section 1884, has been complied with. Identifiable steel products are steel products which contain permanent markings which indicate the material was both melted and manufactured in the United States.
- For all other "unidentifiable" steel products, documentation such as invoices, bills of lading, and mill certification that positively identify that the steel was melted and manufactured in the United States.

The provisions of the Steel Products Procurement Act will not be waived unless the Secretary has determined, under authority granted in Section 4(b) of the act, that a certain steel product or products is not produced in the United States in sufficient quantities to meet contract requirements. Such a determination will be set forth in a proposal for the Department's review and response. Include with the proposal a comprehensive list of sources, including names and contact information, for verification. The Secretary does not have the authority to waive the provisions specified in Section 106.10.

Steel products are defined as products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated, otherwise similarly processed, or processed by a combination of two or more of these operations from steel made in the United States by the open hearth, basic oxygen, electric furnace, Bessemer, or any other steel-producing process. Included are cast iron products and machinery and equipment as listed in United States Department of Commerce Standard Industrial Classification 25, 35, and 37 and made of, fabricated from, or containing steel components. If a product, as delivered to the project, contains both foreign and United States steel, such product is considered to be a United States steel product only if at least 75% of the cost of the articles, materials, and supplies have been mined, produced, or manufactured, as the case may be, in the United States. On Federal -Aid projects, comply with the provisions specified in Section 106.10.

No payment will be made on the contract if unidentified steel products are supplied, until the hereinbefore requirements are met.

Any payments made that should not have been made may be recoverable from a manufacturer or supplier as well as from a contractor or subcontractor.

Any person who willfully violates the Steel Products Procurement Act will be prohibited from submitting bids for any contract for a period of 5 years from the date of determination that a violation has occurred. If a subcontractor, manufacturer or supplier, violates the Steel Products Procurement Act, such person will be prohibited from performing any work or supplying any materials to the Department for a period of 5 years from the date of determination that a violation has occurred.

If steel products are used as a construction tool or appurtenance and will not serve a permanent functional use in the project, compliance with the Steel Products Procurement Act is not required.

When standard manufactured items are specified and these items are identified by unit mass (unit weight), section dimensions, or similar characteristics, their identification will be considered to be nominal masses (weights) or dimensions. Unless more stringently controlled by specified tolerances, industry established manufacturing tolerances will be accepted.

SECTION 108—PERFORMANCE AND PROGRESS

- **Section 108.07(a) Construction Engineering Liquidated Damages. Revise to read as follows:**

(a) Construction Engineering Liquidated Damages. For each day that any physical work remains uncompleted after the Required Completion Date, the sum per day specified in the following schedule, unless otherwise stated in the proposal, will be deducted from money due or to become due. This deduction will not be as a penalty, but as Construction Engineering Liquidated Damages.

Original Contract Amount		Schedule of Daily Charges For Construction Engineering Liquidated Damages
From More Than	To and Including	Per Calendar Day
\$ 0	\$ 400,000	\$ 825
400,000	1,000,000	1,535
1,000,000	5,000,000	2,085
5,000,000	10,000,000	3,280
10,000,000	15,000,000	4,285
15,000,000		5,660

In the event the Contractor is declared in default, as specified in Section 108.08, Construction Engineering Liquidated Damages will be charged as provided by this section. If the total amount chargeable as Construction Engineering Liquidated Damages exceeds the amount payable to the Contractor or the surety, the excess is to be paid to the State by the Contractor or the surety.

SECTION 514—DIAMOND GRINDING OF CONCRETE PAVEMENT

- **SECTION 514.3(e) Concrete Pavement Rehabilitation. Revise to read as follows:**

(e) Concrete Pavement Rehabilitation. Concrete pavement repairs including concrete pavement patching, concrete spall repair, dowel retrofit, slab stabilization, and slab jacking must be completed before the start of any diamond grinding operations.

After completing the concrete rehabilitation operation, determine the ride quality of the existing pavement in accordance with Section 507.3(a) and Section 507.3(b), before performing any diamond grinding. After completing the diamond grinding operations, reevaluate the ride quality of the pavement surface according to Section 507.3(a) and Section 507.3(b). Use the same pavement surface profile measuring equipment to perform all ride quality evaluations on the project.

After diamond grinding the pavement surface, provide a maximum IRI of 70 in/mile for facilities where posted speed limits are greater than 45 miles per hour, and a maximum IRI of 90 in/mile for facilities where posted speed limits are less than or equal to 45 miles per hour. Meet these requirements in all IRI lots where diamond grinding of the pavement was performed to receive payment.

1. Lots. A full lot is 528 feet of a single lane. The Representative will designate lots starting at the beginning ride quality limit and continuing to the ending ride quality limit for each pavement lane and ramp that is 12 feet or wider. Do not include the length of excluded areas in the 528 feet. Excluded areas will consist of; bridge decks, ramps less than 1,500 feet, in length, tapered pavements less than 12 feet wide, partial lots less than 100 feet in length, shoulders, medians, and other pavement surfaces as indicated.

SECTION 515—SAWING AND SEALING OF BITUMINOUS OVERLAYS

- **SECTION 515.3(b) Sawing. Revise to read as follows:**

(b) Sawing. Make all saw-cuts directly above the existing transverse joints within ± 1 inch. Saw-cuts which do not meet this tolerance will be declared defective as outlined in Section 105.12. Do not saw cut until the bituminous course has cooled below 140F. Perform saw cutting within 7 days after placing the wearing course. Perform this work on all finished overlay areas before discontinuing work due to seasonal paving limitations.

Make saw-cuts only in the lane in which the existing joint is located. Extend the saw-cuts through any existing widening. Provide separate saw-cuts in each lane if existing transverse joints are offset more than 1 inch.

Use the following table to determine saw-cut reservoir size:

Overlay Thickness	Reservoir
inches	inches
≤1 1/2	1/2 deep by 1/2 wide
>1 1/2	1 deep by 1/2 wide

Additionally, if the total depth of overlay is 3 1/2 inches or greater, make an initial saw-cut 1/8 inch wide to a depth of 1 1/2 inches or one-third of the total overlay thickness, whichever is greater. Indicated overlay depths do not include scratch or leveling courses less than 1 inch.

If wet sawing, immediately flush the reservoir with water.

If not placing the wearing course within the same construction season, provide a 1/8-inch wide saw-cut in the last placed bituminous course to a minimum depth of 1 inch or one-third the thickness of the bituminous material placed, whichever is greater.

SECTION 516—CONCRETE PAVEMENT PATCHING

- **SECTION 516—Description. Revise to read as follows:**

516.1 DESCRIPTION—This work is the construction of single course, full depth, normal strength or accelerated strength, cement concrete pavement patches. Do not patch less than one lane width. If diamond grinding is to be performed, test the pavement surface in the longitudinal direction as specified in Section 514.3(d)2.

(a) Patching Joint. Provide full depth saw-cuts at the existing pavement/patch interface, install load transfer dowels in the transverse faces of the existing pavement, construct a sealant reservoir, and seal the joint.

(b) New Pavement Joint. Provide load transfer unit, construct sealant reservoir, and seal the joint.

(c) Normal and Accelerated Concrete Pavement Patching, Type A. Construct patches between 6 feet and 20 feet long.

(d) Normal and Accelerated Concrete Pavement Patching, Type B. Construct patches between 20.1 feet and 65 feet long.

(e) Normal and Accelerated Concrete Pavement Patching, Type C. Construct patches between 65.1 feet and 500 feet long.

- **Section 516.2(a) – Cement Concrete—Class AA. Revise to read as follows:**

(a) Cement Concrete—Class AA. Section 704

- **Section 516.2(g) Concrete Curing Materials. Revise to read as follows:**

(g) Concrete Curing Materials. For normal strength concrete, use Section 711.1(a), (b), (c), (d), and (e); or Section 711.2(a), Type 2.

For accelerated strength concrete, use Section 711.1(b) and Section 711.2(a), Type 2, or 711.2(b).

- **Section 516.2(j) Tape Bond Breaker. Revise to read as follows:**

(j) Tape Bond Breaker. An approved self adhesive tape.

- **Section 516.2(k) Anchor Material. Revise to read as follows:**

(k) Anchor Material. An approved adhesive anchoring material listed in Bulletin 15.

- **Section 516.3(a) General. Revise to read as follows:**

(a) General. Prepare a QC Plan as specified in Section 106.03(a)2.a and submit it for review. The QC Plan must describe appropriate action points for all phases of construction, including concrete mixing and curing, joint sawing and sealing, and sampling and testing for opening to traffic. If patching adjacent lanes, construct concrete pavement patches one lane at a time where two lane width construction would interfere with traffic. The Representative will surface mark patch areas in advance of the sawing operations.

Protect traffic from drop off conditions as specified in Section 901.3(j). Do not allow excavated patch areas to remain un-patched for more than 2 calendar days or over weekends or holidays.

If it rains while the patch area is open, excavate an outlet through the shoulder at the lowest point of the patch as directed. Repair any damage to the existing shoulders as a result of this work, at no expense to the Department. After saw cutting the existing

pavement, allow traffic on patch areas of existing pavement for a maximum of 72 hours. Do not allow saw cuts in excess of 1/2 inch in width to be opened to traffic.

For normal strength patches, do not place concrete if the air temperature falls below 40F. For accelerated strength patches, do not place concrete if the air temperature falls below 45F. Before placing concrete, ensure adequate equipment and trained personnel are available, and sufficient hauling units scheduled, to maintain continuity in placement.

- **Section 516.3(b) Saw Cutting. Revise to read as follows:**

(b) Saw Cutting. Use a saw equipped with a diamond-tipped blade, a blade guard, alignment guides, water cooling system, and cut-depth controls for saw cutting the perimeter of the patch. Do not allow cooling water, slurry, and dust from the sawing operation to enter any lane opened to traffic. Make all required full depth longitudinal saw cuts along the perimeter of the patch prior to making any full depth transverse saw cuts.

Where only one lane is being patched, make a full depth saw-cut in the existing longitudinal joint for the full length of the patch. Where multiple lanes are being patched one lane at a time, perform one of the following:

- Make a full depth saw-cut within the adjacent lane to be patched. Make the saw-cut parallel and not more than 1 foot from the existing longitudinal joint. Form the patch joint in the same location as the existing longitudinal joint and backfill behind the forms with aggregate at no additional cost to the Department.
- Make a full depth saw-cut in the existing longitudinal joint for the length of the patch and insert a temporary rigid separator between the adjacent lane and the patch area. Do not use a temporary rigid separator greater than 1/8 inch thick.

Make full depth transverse saw-cuts at the locations marked on the pavement surface. Do not break back the underside of the existing pavement. If break back or spalling occurs, make a new full depth transverse saw-cut beyond the area of break back or spalling. Place the additional length of patch at no expense to the Department. If break back or spalling occurs in the adjacent lane, repair the damaged area at a minimum with a full depth Type A concrete patch at no additional expense to the Department. Full depth saw cuts at the patch limits will be allowed to extend transversely into the adjacent pavement up to full depth + 2 inches provided dowel bars in the adjacent lane are not damaged. Additional full depth transverse saw cuts will be allowed to facilitate slab removal but may not extend transversely into the adjacent pavement to remain in place.

- **Section 516.3(c) Removal of Existing Pavement. Revise to read as follows:**

(c) Removal of Existing Pavement. Remove concrete between narrowly spaced saw-cuts at the end of a proposed patch area in a manner that does not damage any adjacent pavement that is to remain in place.

As an alternate, a wheel saw having carbide steel tips may be used before making the full depth transverse saw-cuts necessary for the patching joint. Limit penetration of the wheel to minimize disturbance to the subbase. Do not allow wheel saws with carbide steel tips to cut into pavement that is to remain in place. Discontinue using a wheel saw if unsatisfactory results are obtained as determined by the Representative.

Remove the concrete in the patch area in one or more pieces minimizing disturbance to the subbase, subgrade, and the adjacent pavement to remain in place. Do not use drop hammers or hydro hammers. If damage occurs to pavement to remain in place, repair as specified in Section 516.3(b) at no additional cost to the Department.

If the surface of the subbase is disturbed by the removal technique, recompact the surface using small vibratory compactors. If the disturbed material is deeper than 1 inch, remove the disturbed material with hand tools and replace with concrete during paving at no expense to the Department.

Correct all subbase surface irregularities exceeding 1 inch in depth by loosening the surface and removing or adding material as required. Compact the corrected area and surrounding surface by rolling to proper grade and slope.

- **Section 516.3(j) Curing of Concrete. Revise to read as follows:**

(j) Curing of Concrete. For normal strength patches, immediately after finishing operations have been completed, cover and cure the patch surface as specified in Section 501.3(l).

For accelerated patches, cure concrete as specified in Section 501.3(l)1.b or using approved curing insulation materials. Apply white membrane-forming curing compound as specified in Section 501.3(l)1.c. The Contractor may use black membrane-forming curing compound provided the patch area will not be accessible to traffic before placement of a surface course. Discontinue use of black membrane-forming curing compound if it performs unsatisfactorily as a curing agent, and resume curing by other methods as specified. Cure test cylinders under the same conditions as the concrete pavement patch. Provide insulation or heating of patches if the ambient temperature drops below 80F during the curing operation. Control the curing temperature and monitor at least hourly to ensure that the concrete pavement patch does not experience a curing temperature change in excess 40F within any 1-hour period during the curing operation. If a change in curing temperature in excess of 40F occurs in the concrete pavement patch within any 1-hour period, the work will be considered defective.

- **Section 516.3(m) Longitudinal Joints. Revise to read as follows:**

(m) Longitudinal Joints. In two lane width patching being performed at the same time, construct a Type L joint as shown on the Standard Drawings.

In two lane patching being performed one lane at a time, or one lane patching, provide a 1/4-inch, full depth, polystyrene board bond breaker in the longitudinal joint of Type A and B patches. Do not provide a bond breaker in the longitudinal joint of Type C patches. Provide tiebars in all Type C patches. For all patch types, saw cut the longitudinal joint 1/4 inch wide and 1 inch deep. Center the saw-cut over the joint.

- **Section 516.3(n) Sealing. Revise to read as follows:**

(n) Sealing. Seal all longitudinal and transverse joints constructed as part of this work, as specified in Section 501.3(n).

Seal all saw-cuts extending beyond the patch limits.

- **Section 516.3(q) Opening to Traffic. Revise to read as follows:**

(q) Opening to Traffic. For normal strength patches, do not open the repaired area to traffic until the concrete has obtained a minimum compressive strength of 3,000 pounds per square inch, when tested according to PTM No. 604.

For accelerated strength patches, obtain samples of plastic concrete, for compressive strength testing for opening to traffic, from each 100 cubic yards or fraction thereof of the day's placement, and, unless otherwise required, from the last mixer load of the day, according to the approved QC Plan. Sample locations will be selected according to PTM No. 1. Test concrete for compressive strength according to PTM No. 604, at the time of opening to traffic but no later than 7 hours after the test specimens were molded. Concrete lots that have not attained a minimum compressive strength of 1,200 pounds per square inch at the time of opening to traffic will be considered defective work.

SECTION 676—CEMENT CONCRETE SIDEWALKS

- **Section 676.3(h) Curb Ramps. Revise to read as follows.**

(h) Curb Ramps. As required and where indicated, construct cement concrete sidewalk for curb ramp configurations as indicated on Standard Drawing RC 67M except for the detectable warning surface located at the bottom of each ramp. Construct the detectable warning surface as specified in Section 695.

Create a slip-resistant textured surface for the full width and length of the curb ramp and any side-flares excluding the detectable warning surface. Use a coarse, stiff-toothed broom to create a textured pattern that is worked perpendicular to the slopes of the curb ramp.

Shape rounded edges instead of sharp angled edges while the concrete is still plastic for all slope changes of the curb ramp especially where the top of the curb ramp meets adjacent sidewalk surfaces.

Embed detectable warning surface in fresh, wet concrete at the proper location for the curb ramp before the wet concrete has set.

SECTION 1107—PRESTRESSED CONCRETE BRIDGE BEAMS

- **Section 1107.03(d)5.b. Air Content. Revise to read as follows:**

5.b Air Content. Provide an air content of $6\% \pm 1.5\%$ for traditional mixes and $7\% \pm 2\%$ for self consolidating (SCC) mixes. The air content requirement may be waived if the mix meets the following additional qualification tests before production:

- Rapid Chloride Permeability, AASHTO T277: 1500 coulombs at 56-days
- Freeze Thaw Resistance, ASTM C666, Procedure A or B: Minimum durability factor of 90 at 300 cycles.

G7038B - a07038 Changes to Specifications: Sections 101, 103, 110, 419, 695, 930, 931, 932, 934, 935, 938,

Addendum:

Associated Item(s):

Header:

a07038 Changes to Specifications: Sections 101, 103, 110, 419, 695, 930, 931, 932, 934, 935, 938, 1012, 1015, and 1103

Provision Body:

SECTION 101—ABBREVIATIONS AND DEFINITIONS OF TERMS

- **Section 101.03 DEFINITIONS. Revise to include the following:**

MAJOR ITEM OF WORK—Any item having a unit of measure of other than Lump Sum, Call, Dollar, or Predetermined Amount (PDA).

SECTION 103—AWARD AND EXECUTION OF CONTRACT

- **Section 103.03 Cancellation of Award. Revise to read as follows:**

103.03 CANCELLATION OF AWARD—The Secretary reserves the right to cancel the award of any contract at any time before its approval by the Chief Counsel, the General Counsel, and/or the Attorney General, or their designees, when such cancellation is in the best interests of the State. In the event of such cancellation, payment will be made for the documented costs of insurance and surety bonds required under Sections 103.04 and 103.05, and the documented cost of actual expenses reasonably incurred in accordance with a Letter of Intent, when specified and issued by the Deputy Secretary for Highway Administration. No payment will be made for damages of any other kind including, but not limited to, lost profits.

- **Section 103.07 Cancellation of Contract. Revise to read as follows:**

103.07 CANCELLATION OF CONTRACT—The contract may be canceled by either party if the Notice to Proceed is not issued on or before the Anticipated Notice to Proceed Date specified in the bid package or within 30 days of the Award of the contract, whichever is later. Extension(s) of the cancellation period will be made only by mutual written consent of the parties to the contract provided such written consent is given before the expiration of the cancellation period. Prices will not be renegotiated. The Secretary also reserves the right to cancel the contract any time before the actual Notice to Proceed Date. If the contract is canceled, payment will be made for the documented costs of insurance and surety bonds required under Sections 103.04 and 103.05, and the documented cost of actual expenses reasonably incurred in accordance with a Letter of Intent, when specified and issued by the Deputy Secretary for Highway Administration. No payment will be made for damages of any other kind including, but not limited to, lost profits.

SECTION 110—PAYMENT

- **Section 110.02(d) Required Changes in the Scope of Work.** Revise to read as follows:

(d) Required Changes in the Scope of Work. The Department reserves the right to make, in writing, at any time, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations in the work will neither invalidate the contract or release the surety, and the Contractor agrees to perform the work as changed or altered.

If alterations in the work or changes in quantities do not significantly change the character of the work to be performed under the contract, the work will be paid for at the original contract unit price.

If alterations in the work or changes in quantities significantly change the character of the work under the contract, whether such alterations or changes are in themselves significant changes to the character of the work or by affecting other work cause such other work to become significantly different in character, an adjustment, excluding loss of anticipated profits, will be made as specified in Section 110.03. The basis for the adjustment will be agreed upon before the performance of the work. If a basis cannot be agreed upon, the work will be paid for as extra work as specified in Section 110.03.

The term “significant change in character” applies only to the following circumstances:

- If the work as altered differs materially in kind or nature from that involved or included in the original proposed construction, or
- If any major item of work as defined in Section 101 is increased to in excess of 125% or decreased to below 75% of the original contract quantity. Any allowance for an increase in quantity applies only to that portion in excess of 125% of the original contract item quantity or, in case of a decrease below 75%, to the actual quantity of work performed.

When a contract item experiences a significant change in character as a result of a decrease to below 75% of the original contract quantity, the actual quantity of work performed may be paid at an adjusted price, as agreed upon with the Contractor and as approved; however, total compensation will not exceed the contract item’s original value. Item value is defined as the original contract quantity multiplied by the contract unit price.

SECTION 419—STONE MATRIX ASPHALT MIXTURE DESIGN, RPS CONSTRUCTION OF PLANT-MIXED HMA WEARING COURSES

- **Section 419.2(d) Stabilizer.** Revise to read as follows:

(d) Stabilizer. Provide mineral fiber, cellulose fiber, or crumb rubber (CR) stabilizers conforming to the requirements below and added at a rate specified in Table B. Use the dosage rate prescribed in the JMF.

1. Requirements for All Fiber Types. Fibers must prevent draindown in the mixture according to the tolerances in Table B. Use a fiber of the type and properties appropriate to the plant’s metering and delivery system.

2. Cellulose Fibers. Fibers must be of sufficient quality to prevent mixture draindown.

3. Cellulose Pellets. Use cellulose fiber stabilizing additive in pellet form that disperses sufficiently at mixing temperature to blend uniformly into the asphalt mixture. Use pellets that do not exceed 6 mm (0.25 inch) average diameter. Pellets may contain binder ingredients such as asphalt cement, wax, or polymer. Do not use pellets if the binder ingredient exceeds 20.0% of the total mass (weight) of the pellets. Use binder that produces no measurable effect on the properties of the asphalt cement. Do not use fiber pellets which soften or clump together when stored at temperatures up to 50 °C (122F).

Note: If the binder material constitutes more than 3% of the pellet mass (weight), base the dosage rate on the net fiber content.

4. Mineral Fibers. Use mineral fibers made from virgin basalt, diabase, slag, or other silicate rock. Use an approved mineral fiber meeting the following requirements for shot content, as tested according to ASTM C 612.

Sieve	Percent Passing
250 µm (No. 60)	85 - 95
63 µm (No. 230)	60 - 80

5. Crumb Rubber (CR). Use CR derived from the processing of recycled tires. Rubber tire buffings produced by the retreading process qualify as a source of CR. Furnish processed, free flowing CR from a manufacturer listed in Bulletin 15, certified as specified in Section 106.03(b)3.

5.a Gradation. Meet the following gradation as determined according to ASTM D 5461 using 200 mm diameter sized sieves and maintaining a maximum allowable loss after sieve analysis of 7.65%. As an alternative dry sieve analysis test method, perform the sieve analysis of the CR according to Florida Test Method, FM 5-559.

CR Gradation	
Sieve Size	Percent Passing
4.75 mm (No. 200)	100
2.36 mm	98 - 100
75 µm (No. 200)	0 - 3

5.b Contaminants. Provide CR relatively free from fabric, wire, cord, and other contaminating materials to a maximum total contaminant content of 2.5% (maximum of 1.0% iron, 1.0% fiber, and 0.5% other contaminants by mass (weight) of total CR sample components).

Remove rubber particles from the fiber balls before weighing. Determine the metal content by thoroughly passing a magnet through a 50 ± g (1.76 ± 0.004 ounces) sample. Determine fiber content by weighing fiber balls, which are formed during the gradation test procedure.

- Section 419.2(d) Table B. Revise to read as follows:

TABLE B

Mix Design Requirements for SMA Mixtures

AGGREGATE GRADATION REQUIREMENTS, PERCENT PASSING		
Sieve Size	9.5-mm Mixture	12.5-mm Mixture
19.0 mm (3/4 inch)	-	100
12.5 mm (1/2 inch)	100	90 – 99

9.5 mm (3/8 inch)	75 – 95	70 – 85
4.75 (No. 4)	30 – 50	28 – 40
2.36 mm (No. 8)	20 – 30	20 – 30
1.18 mm (No. 16)	-	-
600 mm (No. 30)	-	-
300 mm (No. 50)	-	-
150 mm (No. 100)	-	-
75 mm (No. 200)	8 – 13	8 – 11

VOLUMETRIC DESIGN REQUIREMENTS

Design Gyration (N_{design})	100
Voids in Mineral Aggregate	18.0 % Minimum
Voids in Course Aggregate (VCA)	$VCA_{mix} < VCA_{dry\ rodde}$
Design air voids	3.5 - 4.0 %
Minimum asphalt binder content	Table C
Binder grade	PG 76-22
Stabilizer content	Cellulose:0.2 to 0.4 % by total mix mass (weight) Mineral:0.3 to 0.4 % by total mix mass (weight) CR:0.3 to 1 % by total mix mass (weight)
Draindown	0.3 % maximum

- **Section 419.3(l) Joints.Revise to read as follows:**

(l)Joints.Section 409.3(k).

SECTION 695—DETECTABLE WARNING SURFACE

- **Section 695.2(a) Detectable Warning Surface (DWS). Revise to read as follows:**

(a) Detectable Warning Surface (DWS). Provide a DWS product from a manufacturer listed in Bulletin 15 and meeting the requirements of the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG). Provide certification as specified in Section 106.03(b)3 that the DWS meets the following PROWAG criteria:

- **General.** Detectable warning surface with the surface comprised of truncated domes. Dome size and spacing as specified and as indicated on Standard Drawing, RC-67M.
- **Surface.** Slip resistant.
- **Contrast.** Provide a DWS color, as approved by the Representative, that contrasts visually with adjacent walking surfaces either light-on-dark or dark-on-light.

SECTION 930—POST MOUNTED SIGNS, TYPE A

- **SECTION 930.2(a) Extruded Aluminum Channel Signs, Posts, and Miscellaneous Material. Revise to read as follows:**

(a) Extruded Aluminum Channel Signs, Posts, and Miscellaneous Material.

- Extruded Aluminum Channel Signs—Section 1103.02
- Steel S or W Beam Posts and Breakaway System—Section 1103.07
- Galvanized Steel Hex Head Bolts, Nuts, Lock - Washers; Aluminum Post-Clips, Auxiliary Supports for Exit Panels, 1/8-inch Rivets—Section 1103.11

- **SECTION 930.3(h) Erection. Revise to read as follows:**

(h) Erection. Install nuts on post clips with a torque wrench for extruded aluminum channels. Apply 225 inch-pounds of torque to each galvanized nut with the threads dry, clean, and unlubricated.

Attach the sign to posts with twist - in toggle and buckle straps or stainless steel post - clips for flat sheet aluminum. Apply 225 inch-pounds of torque to each stainless steel nut with the threads dry, clean, and unlubricated.

Clean signs after erection, removing any accumulation of oil, grease, dirt, or foreign material.

Brace the panel with one or more auxiliary supports if exit panels cannot be supported by two sign posts.

SECTION 931—POST MOUNTED SIGNS, TYPE B

- **SECTION 931.2 MATERIAL. Revise to read as follows:**

931.2 MATERIAL—As shown on the Standard Drawings and as follows:

- Flat Sheet Signs—Section 1103.04
- Breakaway Steel Posts—From a manufacturer listed in Bulletin 15, and as specified in Section 1103.08.
- Anti - Theft Hardware—Section 1103.11, System A
- Packaged Dry Concrete—Section 624.2(b)

SECTION 932—POST MOUNTED SIGNS, TYPE C

- **SECTION 932.2(a) Signs, Posts, Supports, and Miscellaneous Material. Revise to read as follows:**

(a) Signs, Posts, Supports, and Miscellaneous Material.

- Flat Sheet Signs—Section 1103.04
- Treated Wood Posts—Section 1103.09
- Anti-Theft Hardware—Section 1103.11, System A
- Lag Screws—Section 1103.11(d)
- Shims and Bars—Section 1105.02(a)2
- Brackets—Section 1105.02(f)2

SECTION 934—POST MOUNTED SIGNS, TYPE E

- **SECTION 934.2(a) Extruded Aluminum Channel Signs, Posts, Supports, and Miscellaneous Material.** Revise to read as follows:

(a) Extruded Aluminum Channel Signs, Posts, Supports, and Miscellaneous Material.

- Extruded Aluminum Channel Signs—Section 1103.02
- Treated Wood Posts—Section 1103.09(a)
- Composite Posts—Section 1103.09(b)
- Galvanized Steel Hex Head Bolts, Nuts, Lock-Washers; Aluminum Post-Clips, Auxiliary Supports for Exit Panels, Rivets—Section 1103.11
- Angles (Supports)—Section 1103.12(g)
- Shim Bars and Plates (Supports)—Section 1105.02(a)2

- **SECTION 934.2(b) Flat Sheet Aluminum Signs with Stiffeners, Posts, and Miscellaneous Material.** Revise to read as follows:

(b) Flat Sheet Aluminum Signs with Stiffeners, Posts, and Miscellaneous Material.

- Flat Sheet Aluminum Signs with Stiffeners—Section 1103.03
- Treated Wood Posts—Section 1103.09(a)
- Composite Posts—Section 1103.09(b)
- Rivets—Section 1103.11(e)
- Stainless Steel Bolts, Nuts, Washers, Post-Clips; Twist-In Toggles and Buckle Straps; Butting Plates; Auxiliary Supports for Exit Panels—Section 1103.11
- Angles (Support)—Section 1103.12(g)
- Shim Bars and Plates (Supports)—Section 1105.02(a)2

SECTION 935—POST MOUNTED SIGNS, TYPE F

- **SECTION 935.2 MATERIAL.** Revise to read as follows:

935.2 MATERIAL—As shown on the Standard Drawing for the corresponding type post and as follows:

- Flat Sheet Signs—Section 1103.04
- Brackets and Bars (Supports)—Section 1103.12
- Extruded Aluminum Channel Signs—Section 1103.02
- Flat Sheet Aluminum Signs with Stiffeners—Section 1103.03
- Galvanized Steel Hex Head Bolts, Nuts, Lock-Washers; Aluminum Post-Clips; Lag Screws; Rivets; Anti-Theft Sign Hardware (System A)—Section 1103.11

SECTION 938—DISTANCE MARKERS

- **SECTION 938.2 MATERIAL.** Revise to read as follows:

938.2 MATERIAL—As shown on the Standard Drawings and as follows:

- Aluminum Blanks—Section 1103.04(a)
- Breakaway Steel Posts—Section 1103.08
- Anti - Theft Hardware—Section 1103.11(j)
- Brackets, Bars, Clamps, Straps and Gussett Plates (Supports)—Section 1103.12(i)

SECTION 1012—PEDESTRIAN RAILING

- **SECTION 1012.2(a) Railing.** Revise to read as follows:

(a) Railing.

- Aluminum-Alloy Casting—ASTM B 26/B 26M, Alloy SG70A-T6 or ASTM B 108, Alloy SG70A-T6.
- Aluminum-Alloy Bolts—ASTM B 211/B 211M, Alloy 2024-T4.

- Aluminum-Alloy Nuts—ASTM B 211/B 211M, Alloy 6061-T6.
- Nylon Washers—Section 1103.11(j)2
- Bolt Heads—Regular hexagon, ANSI B18.2.3.5M (ANSI B18.2).
- Nuts. Finished hexagon, ANSI B18.2.4.6M (ANSI B18.2)—Threads, Class 6, 6g, or 6H (Threads, Class 2, 2A, or 2B).
- Aluminum Alloy Balusters – ASTM B 221/B 221M, Alloy 6061-T4.
- Post assembly and panel to post aluminum washers – ASTM B209, Alloy 2024-T3.
- Cast Aluminum Post Base – ASTM B 26/B 26M, Alloy SG70A-T6 or ASTM B 108/ B 108M, Alloy SG70A-T6.
- Other Aluminum Alloys—Section 1013.2(a)

Certify as specified in Section 106.03(b)3.

SECTION 1015—PROTECTIVE BARRIER

- **SECTION 1015.2(a) Barrier.** Revise to read as follows:

(a) Barrier.

- Aluminum-Alloy Extruded Section—ASTM B 221/B 221M, Alloy 6061-T6 or 6351-T5.
- Aluminum-Alloy Sheet and Plate—Alloy 6061-T6
- Aluminum-Alloy Bolts— ASTM B 211, Alloy 2024-T6 or 6061-T6
- Aluminum-Alloy Nuts—ASTM B 211/B 211M, Alloy 6061-T6.
- Nylon Washers—Section 1103.11(j)2
- Bolt Heads—Regular hexagon. ANSI B18.2.3.5M (B18.2)
- Nuts—Finished hexagon, ANSI B18.2.4.6M (B18.2) Thread, Class 6, 6g, or 6H (2, 2A, or 2B)
- Other Aluminum Alloys—Section 1013.02(a)

Certify as specified in Section 106.03(b)3.

SECTION 1103—TRAFFIC SIGNING AND MARKING

- **SECTION 1103.11 MISCELLANEOUS MATERIALS.** Revise to read as follows:

1103.11 MISCELLANEOUS MATERIALS—

(a) **Hex Head Bolts, Nuts, and Washers for Extruded Panel Sign Post-Clips.** Galvanized steel as specified in Section 1105.02(s):

1. **Hex Head Bolts.** ASTM A307, Grade A or B.
2. **Nut.** ASTM A563 DH or ASTM A194 Grade 1 or 2.
3. **Washer.** Carbon steel helical coil or ASTM F436 or ASTM F844 (Note 1)

Note 1: If either ASTM F436 or ASTM F844 flat washers are used, bolt must be fastened either using two nuts or a single nut with the threads galled adjacent to the nut to prevent loosening.

(b) **Post - Clips.** For extruded panel signs, aluminum, conforming to ASTM B 108, Alloy 356-T6. For flat sheet aluminum signs with stiffeners, stainless steel, Type 304, 14 gage.

(c) **Auxiliary Supports for Exit Panels.** Aluminum conforming to ASTM B 211/B 211M, Alloy 6061-T6. 3 inches by 3 inches by 3/16-inch angle, 6 1/2 feet long or long enough to attach to three stiffeners on the main sign.

(d) **Lag Screws.** 5/16-inch round head, galvanized steel as specified in Section 1105.02(s); ASTM A 307.

(e) **Rivets.** Aluminum, self - plugging or hollow - core, as follows:

- 3/16-inch for mounting reflective units and distance plaques—Alloy 5056 with 7178 mandrels.
- 3/16-inch for mounting flat aluminum sheets to stiffeners sections— Alloy 5056 with carbon steel mandrels.

Rivet size specified is the minimum shank diameter. Use rivets with sufficient grip range to attach to background sign material, stiffeners, or posts. Use a No. 10 drill for 3/16-inch rivets for attachment of stiffeners and splice bars.

(f)Bolts, Nuts, and Washers for Flat Sheet Aluminum Signs with Stiffeners.Stainless steel, Type 304 bolts. Use 5/16-inch by 1 inch long for butting plates and 5/16-inch by 2 inches long for post - clips. Use standard connection bolts or twist - in bolts.

(g)Twist - in Toggle and Buckle Straps.Stainless steel, Type 201, and 0.75 inch wide and 0.03 inch thick, with rounded edges. Spot welded, twist - in type toggle on end of strap. Spot welded, antirotational buckle on other end of strap. Toggles and buckles shall be stainless steel, Type 304, and 1/16 inch thick.

(h)Butting Plates.Fabricate from stainless steel, Type 304.

(i)Anchors.Section 1105.02(c)2.From a manufacturer listed in Bulletin 15.

(j) Anti - Theft Sign Hardware.

1.System A.

- **Bolts.** Section 1105.02(c)1 and as follows:

Provide 5/16 inch by 2 1/2-inch steel carriage bolts with minimum 1711/16-inch diameter round head, square neck, and threads to within 1 inch of head.

Furnish bolts having a mechanically deposited cadmium coating, ASTM B 696, or zinc, Type I coating as specified in Section 1105.02(s).

- **Nuts.** Square, pyramidal-shaped nuts with all four sides sloping at an angle of 41 degrees; 5/16-18 UNC threads; C-1010 cold-rolled steel, case hardened to Rockwell hardness of 55 to 60.

Furnish nuts having a 0.002 inch to 0.005 inch thick, mechanically deposited, zinc, Type II yellow chromate coating as specified in Section 1105.02 (s) (ASTM B 695), tested according to ASTM B 201.

2.System B.

- **Bolts.** Section 1103.11(m) and as follows:

Provide 5/16-inch by 2 1/2-inch and 5/16-inch by 3-inch bolts with minimum 9/16-inch diameter one-way heads and threads to within 1 inch of head.

- **Nuts.** Section 1103.11(n) and as follows:

Provide nuts, Alloy 2011-T3, double-chamfered hexagon with self-locking conical shape 9/16-inch - 3/8-inch by 3/16-inch unit under the nut with 5/16-18 UNC threads. Hexagon portion should break away from self-locking unit with 5/16-18 UNC to 40 inch-pounds to 80 inch-pounds of torque.

- **Washers.** Nylon 1/8 inch thick by 1-inch minimum outside diameter with 480 inch-pounds maximum allowable applied torque.

(k)Bandings.Stainless steel, Type 201, 0.750 inch wide by 0.030 inch thick, with rounded edges for handling ease and safety. Buckles and other necessary hardware shall be of stainless steel, Type 304.

(m)Aluminum Bolts.ASTM B 211/B 211M. Alloy 2024-T4, thread fit, ANSI Class 6g, and threads shall be within two threads of the head or a minimum of 1 3/4 inches.

(n)Aluminum Nuts.ASTM B 211/B 211M. Alloy 2024-T6, thread fit, ANSI Class 6H (ANSI Class 2B, 18 UNC threads).

N12601B - a12601 SANITARY FACILITIES

Addendum:

Associated Item(s):

Header:

SANITARY FACILITIES

Provision Body:

I. Provide and maintain the following portable facilities within close proximity to the project for the exclusive use of Department inspectors and engineers:

(a) Sanitary toilet facilities. Maintain acceptable lavatory (wash-up) facilities near or within sanitary toilet facilities. Ensure that lavatory facilities are equipped with running water and hand soap or similar cleansing agents, including clean, sanitary, cloth or paper hand towels.

(b) Approved sanitary water cooler.

II. After the period of usage has expired, retain the required equipment herein specified.

III. Payment for sanitary facilities is incidental to the other items of work in the contract and will not be paid for separately.

00 - a14120 CONSTRUCTION RESTRICTION DUE TO AREA SPECIAL EVENTS

Addendum:

Associated Item(s):

Header:

CONSTRUCTION RESTRICTION DUE TO AREA SPECIAL EVENTS

Provision Body:

Contact area Chamber of Commerce, County Officials, and Municipal Authorities at the start of each construction season to find out any special events which will require construction restriction. Schedule your work operation accordingly when work restriction is required, as determined by the Inspector-in-Charge.

00 - a14130 BLAST HOLES AND EXPLOSIVE CHARGES BELOW PLAN SUBGRADE

Addendum:

Associated Item(s):

Header:

BLAST HOLES AND EXPLOSIVE CHARGES BELOW PLAN SUBGRADE

Provision Body:

Do not drill holes for explosives and/or place explosives at a depth greater than 36 inches below the plan subgrade without written permission from the engineer. Approval of the blasting plan or specifications is not to be construed as said permission.

Remove all material at or above the bottom of the blast hole elevation which has been disturbed by the explosion, and replace the material in accordance with Section 206, except for the following:

Shot rock below the plan subgrade which has an average size less than 36 inches and equal to the total depth of disturbance that may be compacted without removal as specified in Section 206.

If requested by the engineer, excavate test holes to evaluate the amount of disturbance caused by the blast at no cost to the Department.

00 - a14140 PLANT CERTIFICATION

Addendum:

Associated Item(s):

Header:

PLANT CERTIFICATION

Provision Body:

To insure compliance with the quality control plans of bituminous concrete and cement concrete suppliers, the procedures for certification levels and for reinstatement of suspended producers are as follows:

(1) Certification:

LEVEL III - Producer is permitted to ship material under certification with no Department representatives present. Have producer's technician follow producer's quality control plan.

LEVEL II - Upon first violation of the quality control plan, the producer will be asked verbally to make the necessary corrections. A second violation of the same or additional deficiencies will result in a letter of warning and an increased frequency of random inspection.

LEVEL I - A third violation will result in the producer being unable to ship material to the Department under certification. A Department inspector or inspectors may be assigned to the plant to complete a project or projects. The wages and expenses of all inspectors will be at the contractor's expense. Material may not be shipped to a Department of Transportation project without a delivery ticket signed by the inspector.

LEVEL 0 - Further lack of cooperation by the producer, as determined by the District Engineer and District Materials Engineer, will result in a six month suspension or removal from the list of approved suppliers (Bulletin 14, 41 and 42).

DEPARTMENT LIABILITY UNDER LEVEL I - Under Level I the Department inspector's responsibility will be to observe that the producer is following the quality control program. The inspector will not control the production process and will not certify or guarantee the quality of the material produced.

(2) Reinstatement of Suspended Producers:

LEVEL 0 TO LEVEL II - After the six month suspension expires, the producer may be reinstated as an approved supplier at Level II on a probationary basis. Material may be shipped under certification but random inspections will be frequent and an approved quality control plan is to be followed.

LEVEL I TO LEVEL II - After 3 months of production at Level I, the producer may be reinstated to Level II if the District is satisfied that the producer is following the quality control plan.

LEVEL II TO LEVEL III - If frequent random inspections confirm that the producer is following the quality control plan, reinstatement may be given to Level III.

00 - a14150 DOUBLE KNIT FABRIC SIGNS

Addendum:

Associated Item(s):

Header:

DOUBLE KNIT FABRIC SIGNS

Provision Body:

Do not use Non-Reflectorized Double Knit Fabric Signs.

S2011A - b02011 EMERALD ASH BORER QUARANTINE

Addendum:

Associated Item(s):

Header:

Emerald Ash Borer Quarantine

Provision Body:

This project contains regulated articles as defined by the Pennsylvania Department of Agriculture, Order of Quarantine that are located within the Pennsylvania Emerald Ash Borer (EAB) quarantine.

Regulated articles are:

- The EAB in any living stage of development;
- Ash trees of any size;
- Ash limbs, branches, stumps, and roots;
- Any cut, non-coniferous (hardwood) firewood;
- Non-coniferous (hardwood) bark and non-coniferous (hardwood) wood chips larger than 25.4 mm (1 inch) in two dimensions;
- Ash logs and lumber with either the bark or the outer 25.4 mm (1 inch) of sapwood, or both, attached;
- Any other article, product or means of conveyance determined by the Department to present a risk of spreading the EAB infestation.

Pennsylvania's EAB quarantine restricts the movement from the quarantined area of any regulated articles. Regulated articles are to remain onsite and within the quarantined areas at approved stockpile areas that will not interfere with construction operations, future maintenance operations, obstruct drainage, or cause water pollution, unless indicated otherwise.

This work will be considered incidental to other items of work.

00 - b04081 SECTION 409 - SUPERPAVE MIXTURE DESIGN, STANDARD AND RPS CONSTRUCTION OF PLANT-MIXED HMA

Addendum:

Associated Item(s):

Header:

SECTION 409 - SUPERPAVE MIXTURE DESIGN, STANDARD AND RPS CONSTRUCTION OF PLANT-MIXED HMA COURSES

Provision Body:

In accordance with Section 409 except as follows:

Revise Section 409.2(e)1 Virgin Material Mixtures (Standard & RPS) as follows:

Add the following sentence to the end of the first paragraph:

Add a minimum of 0.25% liquid anti-strip to all superpave mixes using gravel aggregate.

S6081C - b06081 SECTION 608 - MOBILIZATION

Addendum:

Associated Item(s):

Header:

SECTION 608 - MOBILIZATION

Provision Body:

- Section 608.1 Description. Revise by adding the following:

When developing agreements with DBE subcontractors include an opportunity for the DBE to identify an item for their mobilization. Include any agreed upon amounts in the contract lump sum price bid for mobilization. Also, list agreed to amounts for each DBE subcontractor on the DBE Participation for Federal Projects form specified in the "Disadvantage Business Enterprise Requirements" Designated Special Provision in Appendix C of Pub. 408.

- Section 608.4 Measurement and Payment. Revise by adding the following:

(c) DBE Payment Schedule. Within the Schedule submitted as specified in Section 108.03, indicate the starting date of work subcontracted to DBE's. One month before the scheduled start of subcontracted DBE work, but not earlier than the Notice to Proceed, pay 25% of the amount shown for mobilization on the applicable DBE Participation for Federal Projects form. Pay the

remaining 75% of the amount shown for mobilization on the applicable DBE Participation for Federal Projects form, in three equal payments, when subcontracted DBE work is 25%, 50%, and 75% complete. Pay the affected DBE within 7 days of its reaching the specified milestones for percentage of work completed.

00 - c06000 ITEM 4630-0001 – PLAIN CEMENT CONCRETE CURB MODIFIED

Addendum:

Associated Item(s): 4630-0001

Header:

ITEM 4630-0001 – PLAIN CEMENT CONCRETE CURB MODIFIED

Provision Body:

DESCRIPTION – This work is construction of Plain Cement Concrete Curb, 6” reveal on roadway side, variable reveal on sidewalk side with 24 inch depth. Refer to plan for details and locations

MATERIALS – Section 630.2.

CONSTRUCTION – Section 630.3 revised as follows:

Section 630.3(c) Placing, Finishing, and Curing Concrete - add the following:

Construct plain cement concrete curb as shown on the Standard Drawings (RC-67M) and with the latest ADA Standards for Accessible Design – ADAAG (28 CFR Part 36. Revised as of July 1, 1994) requirements for curb cut ramps.

Remove existing curb, pavement and sidewalk to neat lines. Any additional excavation or saw cutting into the existing concrete curb, where required, is incidental.

Seal new curb in accordance with Section 409.3(h)1.b.

MEASUREMENT AND PAYMENT – Linear Foot.

Payment includes all excavation, saw cutting, and sealing items.

00 - c06010 ITEM 4676-0001 - CEMENT CONCRETE SIDEWALK MODIFIED

Addendum:

Associated Item(s): 4676-0001

Header:

ITEM 4676-0001 - CEMENT CONCRETE SIDEWALK MODIFIED

Provision Body:

DESCRIPTION - This work is furnishing all material, equipment, tools, and labor required for the construction of cement concrete sidewalk of extra depth at driveways.

MATERIAL - In accordance with Section 676.2 and as follows:

- Reinforcement, Epoxy Coated or Galvanized - Sections 709.1, 1002.2
- Reinforcement Mesh - (WWF 6 inch x 6 inch - W1.4 x W1.4) - Section 709.4

CONSTRUCTION – As indicated on the plans and in accordance with Section 676.3 except as follows:

(a) Preparation of Foundation. - Revise the first sentence to read:

Excavate, as required, and form the foundation at a depth 12 inches parallel with the finished surface of the sidewalk. If directed, remove unsuitable material as specified in Section 203.1(b). Thoroughly compact the foundation, finish to a firm, even surface; moisten if required.

(d) Concrete. - Revise the second sentence to read:

Place concrete 6 inches deep. Reinforce concrete with 10 Gauge 6" x 6" steel wire mesh at a depth of 3 inches. Fiber reinforcing may not be used. Finish concrete to match adjacent sidewalk.

Construct 6" concrete sidewalk on 4 "subbase.

MEASUREMENT AND PAYMENT – Square Yard

00 - c06020 ITEM 0901-0001 – MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION

Addendum:

Associated Item(s): 0901-0001

Header:

ITEM 0901-0001 – MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION

Provision Body:

In accordance with Section 901 and as follows:

ADVANCE REQUIREMENTS

Provide two weeks advance notice to Borough of Coalport (814-672-5973), respective Emergency Services and Glendale Area School district (814-687-3402) prior to beginning any work or imposing any traffic restrictions. Additionally, provide notification to all affected businesses and property owners four days prior to the erection of the Advance Construction Advisory signs. Keep them informed at all times of changes to traffic restrictions as they occur.

Notify property owners ten days in advance of driveway restrictions affecting their properties.

Make a survey along with the Engineer or his authorized representative by videotaping and recording the location of all existing pavement markings, existing signs, road conditions and all potential driveway and/or private problems within the project limits prior to beginning construction. Use this information in placing all pavement markings and signs. Provide an additional copy of the videotape to the Engineer or his authorized representative before construction begins. Contact the District Traffic Engineer and Borough of Coalport Engineer before making any changes to the existing pavement marking patterns, or signs or other devices on state roads and borough roads respectively.

Section 901.1 DESCRIPTION -

Revise the first sentence to read: This work is the furnishing, installing, maintaining and protection of traffic adjacent to and within the Work Zone including the Active Work Zone within public rights-of-way and relocating of traffic control devices.

Arrange with local police to restrict parking on streets within the work area. Maintain the minimum number of lanes specified.

Ten days prior to construction, erect the Advance Construction Advisory signs on Type III barricades as depicted below.

S.R. 0053 Main Street ROAD WORK	Use 150 mm (6") Series C black letters on a reflective orange background with a 12 mm (1/2") black border and 150 mm (6") corner radius.
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Begins (Date)	
DELAYS LIKELY	Cover the above "Begins (Date)" with "DELAYS LIKELY" when construction begins.

Erect signs at each limit of work.

Remove the signs when construction begins.

Notify the District Traffic Engineer and/or Borough of Coalport Engineer prior to implementing phase change.

TRAFFIC CONTROL/DEVICES REQUIREMENTS

Section 901.2 MATERIAL - Revise by adding the following sentence:

For all barricades, provide barricade rails constructed of non-metallic materials.

The signs and traffic control devices listed or indicated on the Traffic Control Plan or Publication 213 represent the minimum requirements for this item and as such, are for information only. The number and types of traffic control signs and devices for this project will be predicated on the number and location of work sites, the extent of repairs and the planned sequence of operations.

For this project, use PennDOT approved fluorescent reflective sheeting for all signs and devices, except for regulatory signs.

Provide new traffic control signs and devices. Do not use reflective sheeting that is scratched, scarred, dirty or shows evidence of loss of reflectivity. Do not use signs or devices that are cracked, bent, dented or broken.

Mount all construction warning signs (W series) for long-term operations on Type III barricades. Include a Type B light on first two lead in signs and on all Road Work Ahead signs on each side road. If it is not possible to mount construction warning or other signing as indicated or specified, the District Traffic Engineer or authorized representative will determine the method of mounting the signs.

Erect "ROAD WORK AHEAD" (W20-1, W30-1-6) signs with Type B lights on each intersecting road and major drive as shown on the Traffic Control Plan and/or Publication 213 for the appropriate situation.

Provide a Traffic Control Supervisor or Supervisors and phone numbers where they can be reached on a 24-hour - 7 days a week basis for the duration of the project. The Traffic Control Supervisor must be knowledgeable of work zone traffic control including incident management. The Traffic Control Supervisor must have a thorough understanding of the Manual on Uniform Traffic Control Devices (MUTCD) and Publications 212 and 213. The Traffic Control Supervisor shall attend the pre-job meeting. The Supervisor's responsibilities are as follows:

Notify District Public Relations Office, affected municipalities and property owners of all traffic restrictions. Prepare News Releases and submit to the Representative for his concurrence prior to the final submission to the District Office.

Conduct daily reviews and document the performance of traffic control signs, devices and temporary pavement markings during the day and night, adverse weather conditions, and active and inactive construction operations, as directed. The Traffic Control Supervisor will present all MPT problems and discrepancies in writing to the Inspector-In-Charge each day.

Prepare and submit the proposed corrective action to the Inspector-In-Charge. Correct any deficiencies or damage discovered during the daily review immediately.

Provide sufficient number of properly attired flaggers (vest, leggings, hard hat) to adequately control traffic flow through the work zone, which includes any intersecting streets in the work zone, and as directed. Equip flaggers with W21-10 "STOP" and "SLOW" paddles. Refer to PENNDOT Publication 408/2011 Section 901.3(y) for Flagger Training guidelines and requirements.

Do not change any part of the Traffic Control Plan and/or Section 901 without prior written approval of the District Traffic Engineer or authorized representative. This includes but is not limited to:

- Traffic Control Phasing
- Times and/or dates when traffic may not be restricted.
- Item 0901-0240 Additional Traffic Control Signs. All locations and messages must be approved by the District Traffic Engineer.

Use Type B lights with red lenses on all required stop sign installations.

Please be advised that most of the boroughs and townships have noise ordinances. Please obtain the necessary permits prior to construction.

At the completion of the project, remove all construction signs and devices from the project site.

TRAFFIC/CONSTRUCTION RESTRICTIONS

Do not restrict traffic flow on SR 0053 from 6:00 A.M. to 8:00 A.M and from 3:00 P.M. to 5:00 P.M. Monday through Friday, holiday weekends and during non-working hours.

Do not restrict traffic flow on SR 3019 from 6:00 A.M. to 8:00 A.M and from 3:00 P.M. to 5:00 P.M. Monday through Friday, holiday weekends and during non-working hours.

On SR 0053, maintain a minimum of one 12-foot wide lane for of traffic through the work area during working hours in accordance with the appropriate Publication 213 figures and/or as directed by the District Traffic Engineer's authorized representative.

Open the roadway(s) to two-way traffic at the end of each workday and during non-working hours.

Maintain access to driveways and access roads at all times during construction. If access cannot be maintained, coordinate with affected businesses and residences to schedule when closures can take place.

Coordinate working schedule with any adjacent Department and/or Borough projects.

Coordinate working schedule with Borough for all special events, parades, carnivals, etc.

Do not use steel plates to bridge any construction.

When covering conflicting signs, do not place adhesive on the sign face. Place adhesive on the back of the sign. Any reflective sheeting damaged by adhesive constitutes damage to the sign. Replace the sign at no additional cost to the Department. For signs which are frequently covered and uncovered based upon work schedules, provide a cover which permits the entire sign face (including the border and margin) to be visible when the sign is uncovered. Completely cover signs with a material that will prevent the sign from being read during all conditions of light and weather.

00 - c06030 ITEM 9000-0001 - CONCRETE STEPS

Addendum:

Associated Item(s): 9000-0001

Header:

ITEM 9000-0001 - CONCRETE STEPS

Provision Body:

DESCRIPTION - This work is the construction of concrete replacement steps as indicated or directed.

MATERIALS -

Expansion Joint Material - Section 705.1.

Aggregate - Section 350.2.

Concrete Curing Compound - Section 711.2(a).

Curing and Protective Covers - Section 711.1(d).

Expansion Joint Material - Section 705.1.

Joint Sealing Material: Section 705.4(a), (b), or (c)

CONSTRUCTION –

1. Excavate, as required, and form the foundation at a depth of 36” below existing ground. Thoroughly compact the foundation, finish to a firm, even surface. Moisten if required.
2. Place concrete according to the detail shown in the plans and in accordance with Section 1001.3.
3. Construct homeowner sidewalks in accordance with Section 676.3
4. Adjust existing fence and gates to accommodate proposed step(s) and homeowner sidewalk adjustments in kind.
5. Restore areas disturbed by construction.

MEASUREMENT AND PAYMENT – Cubic Yard

Includes excavation, joint material/ sealer, curing, coverings, gate/ fence adjustments, and the restoration of disturbed areas including seeding, soil supplements and mulch.

00 - c06040 ITEM 9000-0002 - TRENCH DRAINS

Addendum:

Associated Item(s): 9000-0002

Header:

ITEM 9000-0002 - TRENCH DRAINS

Provision Body:

DESCRIPTION – This work is for the furnishing and installation of trench drains in cement concrete sidewalks as indicated and directed.

MATERIAL – Furnish trench drain as manufactured by one of the following:

NDS, Part No. DS-090N with ADA Compliant Stainless Steel Grates, 6” Dura Slope Channel Drain. 1-800-726-1998;

Polycast, 5” 600 Series Channel with ADA Compliant Stainless Steel Grates. 1-800-346-3061;

ABT Inc, 5” Poly Drain Channel Part No. 021 with ADA Compliant Grates. 1-800-438-6057;

or approved equal.

Class A Cement Concrete – Section 704.

4 inch Polyvinyl Chloride Pipe – Section 610.2(a) 4

CONSTRUCTION -

Install trench drains in the cement concrete sidewalk in accordance with the manufacture’s specifications and as per the plan. Include all end caps, channel outlets, grate locking devices, hardware, anchor stakes and embedment cement concrete (extra depth adjacent to the trench drain). Include all connections to the outlet pipes.

MEASUREMENT AND PAYMENT – Linear Foot.

00 - c06050 ITEM 9000-0003 - PREPERATION OF TREE PLANTING PIT

Addendum:

Associated Item(s): 9000-0003

Header:

ITEM 9000-0003 - PREPERATION OF TREE PLANTING PIT

Provision Body:

DESCRIPTION - This work is the construction and placement of tree pits as shown on the Contract Drawings or as directed by the Engineer.

MATERIALS –

Topsoil - Section 801.2 and as follows:

The topsoil shall contain not less than 2.0 % nor more than 10.0 % organic matter, as determined according to AASHTO T 194.

Tanbark Mulch - Section 805.2(a)2.a

Shredded Bark Mulch - Section 805.2(a)2.b

CONSTRUCTION – As shown on the Contract Drawings and as follows:

1. During sidewalk construction, locate and construct the tree pits as shown on the plan. Extra depth of the sidewalk adjacent to the tree pit is incidental to this item. (Trees grate frames and tree grates are not included in this item)
2. Topsoil: Before delivery of topsoil, furnish Engineer with written statement giving location of properties from which topsoil is to be obtained, names and addresses of owners, depth to be stripped, and crops grown during past two (2) years.
 - a. Obtain topsoil from local sources or from areas having similar soil characteristics to that found at project site. Obtain topsoil only from naturally, well-drained sites where topsoil occurs in a depth of not less than four (4) inches. Do not obtain from bogs, marshes, or wetlands.
 - b. Acceptable topsoil structure content consists of sand (50%-80%), silt (15%-50%), clay (10%-20%). A list of herbicides applied during the past year should be provided.
 - c. Provide soil analysis of proposed soil to ensure conformance with soil structure and to determine nutrient needs. Provide supplemental nutrients as needed, based on recommendations and test results.
3. Uniformly apply mulch to the entire plant pit to a loose depth of 75 mm (3 inches) and as shown on the Standard Drawing. Before ordering or delivery of mulch, provide the Engineer and the Coalport Streetscape Committee representative with a sample of the type and color of the mulch

MEASUREMENT AND PAYMENT – Each.

00 - c06060 ITEM 9000-0004 – RELOCATE USPS MAIL BOX

Addendum:

Associated Item(s): 9000-0004

Header:

ITEM 9000-0004 – RELOCATE USPS MAIL BOX

Provision Body:

DESCRIPTION - This work is the removal, temporary placement, and resetting of mailboxes to locations outside of the work zone.

CONSTRUCTION -

Temporarily place the mailboxes prior to road construction.

Maintain access to existing mailboxes at all times in locations acceptable to the property owners and the U.S. Postal Service or as directed by the Engineer.

Remove and relocate mailboxes to their final locations upon completion of the proposed roadway. Provide appropriate foundations for reset mailboxes similar to existing foundations. Coordinate relocation with the property owners. Comply with U.S. Postal Service requirements.

Any damage to the existing mailboxes is the responsibility of the contractor and will be replaced at no cost to the Department or property owner.

MEASUREMENT AND PAYMENT - Each

Includes all material, labor, and equipment necessary.

00 - c06070 ITEM 9000-0006 - SUBSURFACE DRAIN OUTLETS

Addendum:

Associated Item(s): 9000-0006

Header:

ITEM 9000-0006 - SUBSURFACE DRAIN OUTLETS

Provision Body:

In accordance with Section 615, modified as follows:

DESCRIPTION -

This work the furnishing and installation of subsurface non-perforated drain piping to relieve water collected from spouting or other surface outlets.

MATERIAL -

- SDR-35 4-inch PVC pipe

Cleanout shall be 4-inch PVC with 90 degree elbow fitting and threaded cap fitting.

CONSTRUCTION -

Install as shown on plans and in accordance with manufacturer's instructions.

MEASUREMENT AND PAYMENT - Linear foot.

Includes pipe materials, excavation, aggregate bed, backfilling, outlet to storm pipe and/or storm inlets, and cleanout.

00 - c06080 ITEM 9000-0020 - FIRE HYDRANT RELOCATION

Addendum: 1

Associated Item(s): 9000-0020

Header:

ITEM 9000-0020 - FIRE HYDRANT RELOCATION

Provision Body:

DESCRIPTION – This work is the removal and re-installation of an existing fire hydrant at locations indicated. The work includes removal of hydrant, protection of the hydrant during work, and placement of hydrant at the proposed location.

MATERIAL –

Pipe Bedding and Pipe Backfill: AASHTO No. 8 Coarse Aggregate - Section 703.2

Trench Backfill: Subbase (No. 2A) - Section 350.2

Concrete thrust block: Class C Cement Concrete - Section 704

Provide all materials and perform all work in accordance with the Pennsylvania Department of Transportation Publication 408, Specifications unless otherwise noted, and the Uniform Construction Code (UCC). In the case of a conflict between Specifications and the UCC, the more stringent of the codes will govern. However, in any dispute, the Borough representative possess the authority to make the final, governing determination.

CONSTRUCTION –

Trench and Bedding: Excavate pipe trench 6 inches below the outside diameter of the pipe barrel so that pipe is placed at a minimum depth of 4' 0" from proposed final grade to top of pipe, unless otherwise indicated. Place 6-inch depth bedding material.

Construction at Sta. 90+85.35± to Sta. 90+99.27± will include the existing hydrant, a new 6" Ductile Iron Mechanical Joint (DIMJ) gate valve with roadway box, a new 6" DIMJ 90-degree elbow, new 6" C900 PVC pipe, concrete thrust blocking, Mechanical Joint Restraints, and compacted backfill.

Place pipe backfill material to an elevation 1 ft. above the pipe. Place trench backfill.

Notify Mr. Rick Hoover at 814.672.3293 2-weeks prior to Start of Work

MEASUREMENT AND PAYMENT – Each.

Includes coordination with the BCI Municipal Authority (BCI) and the providing of all labor, materials, appurtenances, construction, testing and disinfecting in conformance with the attached Water Line Relocation specification.

00 - c06090 ITEM 9676-0001 - STAMPED COLORED CEMENT CONCRETE SIDEWALK

Addendum:

Associated Item(s): 9676-0001

Header:

ITEM 9676-0001 - STAMPED COLORED CEMENT CONCRETE SIDEWALK

Provision Body:

DESCRIPTION - The work is the installation of colored cement concrete, 4" depth, in accordance with Section 676.1

MATERIAL – in accordance with 676.2

Color: red, to match color of previously placed sidewalk at Medical Center complex in Coalport, PA,

Pattern: stamped running bond brick to match sidewalk at Medical Center complex in Coalport, PA

Quality Control: Provide samples of color options, showing full range of choices, for approval by the Engineer and the Coalport Streetscape Committee prior to installation.

Mock-up Panel: After approval of color samples, construct a mock-up panel, minimum 4' by 4', showing the intended finish and joint techniques. Mock-up will be reviewed and approved by the Engineer and the Coalport Streetscape Committee prior to installation.

CONSTRUCTION - Install in accordance with Section 676.3

MEASUREMENT AND PAYMENT - Square Yard

Includes all labor, equipment, materials, tools and incidentals required to accomplish the work.

00 - c07000 ITEM 9910-0006 - LIGHT POLE FOUNDATION

Addendum:

Associated Item(s): 9910-0006

Header:

ITEM 9910-0006 - LIGHT POLE FOUNDATION

Provision Body:

DESCRIPTION – This work consists of furnishing and installing Light Pole Foundation in sidewalk at locations indicated on contract drawings and as directed.

MATERIALS – Section 910.2(b), 1101.04 and 1101.12 and as indicated on contract drawings.

Fine Aggregate, Type A or B - Section 703.1

Coarse Aggregate, Type A or C - Section 703.2

Class A Cement Concrete - Section 704(b)

Anchor Bolt Assemblies - ASTM F 1554, Grades 36, 55, 105 anchor bolts (headed or non-headed, either straight or bent) and cap screws (fully threaded shank), hot-dip or mechanically galvanize as specified in Section 1105.02(s).

Conduit - Section 1101.09(d)1

Ground Rod/Ground Rod Clamp - Section 1101.11(j)

Expansion Joint Filler - Section 705.1

Reinforcement Bars - Section 709.1

Nonshrink Epoxy Grout - An acceptable type.

Nonshrink Mortar - Section 1001.2(e)

Caulking Compound - Section 705.8

Backfill - Suitable on-site material to match existing conditions

CONSTRUCTION – Section 910.3(d) and as indicated on contract drawings.

MEASUREMENT AND PAYMENT – Each.

Includes excavation and satisfactory disposal of surplus material.

00 - c07010 ITEM 9910-0007 - DECORATIVE COMPOSITE LIGHT POLE

Addendum:

Associated Item(s): 9910-0007

Header:

ITEM 9910-0007 - DECORATIVE COMPOSITE LIGHT POLE

Provision Body:

DESCRIPTION – This work is furnishing and installation of decorative light poles.

MATERIALS – In accordance with Section 910 and as indicated.

The light pole shall be fluted composite, 7" diameter tapered to 4-1/2", one piece construction as manufactured by one of the following:

Shakespeare, catalog no. AJ20 (Jefferson) 9.5F (Matte)1-W1/W2 Black (Matte);

Whatley Inc. (Valmont Company) catalog no. D13M-XF45-9.5FT-Fluted-Black (Matte);

PLP Composite Technologies, Inc. catalog no. PLY-AB-FL-9.5'-BL-CI-1-B Black (Matte);

or approved equal.

Provide hand-hole door opening in base.

Pole shall be suitable for installation with luminaire specified in Item 9910-0008.

Provide mounted duplex receptacle mounted at top of pole as specified in Item 9910-0009.

Provide mounted duplex receptacle mounted at bottom of pole as specified in Item 9910-0010.

CONSTRUCTION – In accordance with Section 910, as indicated and as follows:

Construct light pole in accordance with manufacturer instructions and as indicated on the contract drawings. Coordinate all work associated with luminaire installation, luminaire, and receptacle wiring installation.

MEASUREMENT AND PAYMENT – Each.

00 - c07020 ITEM 9910-0008 - 98-WATT POST TOP ARCHITECTURAL STYLE LED LUMINAIRE

Addendum:

Associated Item(s): 9910-0008

Header:

ITEM 9910-0008 - 98-WATT POST TOP ARCHITECTURAL STYLE LED LUMINAIRE

Provision Body:

DESCRIPTION – This work is furnishing and installation of new 98-Watt Post Top LED Ornamental Luminaire.

MATERIALS – In accordance with Section 910 and as indicated:

The luminaire shall meet the following requirements: 98-Watt LED; IES Classification - Type II; IES Cutoff Classification - Cutoff; Minimum rated life - 60,000 hours, as manufactured by one of the following:

LSI Industries catalog no. XLXM3-PT-2-LED-63-450-CW-UE-BLK (MATTE);

G.E. Lighting catalog no. EPAS0B3A41A-BLACK (MATTE);

Lumec Lighting catalog no. MPTC/MPTR-80W48LED4KES-LE2-BLK(MATTE);

or approved equal.

CONSTRUCTION – As indicated, and as specified in the applicable parts of Section 910 and as follows.

Mount luminaire on pole as indicated on contract documents. Light center of luminaire shall be 12' above finished grade.

MEASUREMENT AND PAYMENT – Each.

Includes complete light fixture, wiring from luminaire driver to line splice, and LEDs.

00 - c07030 ITEM 9910-0009 - DUPLEX RECEPTACLE WITH WEATHERPROOF ENCLOSURE MOUNTED NEAR TOP OF POLE

Addendum:

Associated Item(s): 9910-0009

Header:

ITEM 9910-0009 - DUPLEX RECEPTACLE WITH WEATHERPROOF ENCLOSURE MOUNTED NEAR TOP OF POLE

Provision Body:

DESCRIPTION – This work is furnishing and installation of duplex receptacles in weatherproof enclosure near top of light pole.

MATERIALS – In accordance with Section 910 and as indicated:

Provide a 125 Volt, 20 amp convenience duplex ground fault circuit interrupting (GFCI) receptacle with in-use wet location cover. Provide #12 AWG pigtail conductors from receptacle to splice to receptacle conductor on ornamental lighting plans. Connect receptacle ground lug to pole ground lug. All receptacles and accessories shall comply with the latest editions of NEMA WD1, NEMA WD6, and UL 498. The receptacle and its associated components shall meet the requirements listed above and shall be manufactured by one of the following:

Cooper Wiring Devices;

Hubbell Incorporated;

Leviton Manufacturing Company Inc.;

Pass & Seymour/Legrand;

or approved equal.

CONSTRUCTION – As indicated, and in accordance with Section 910 and as follows:

Install 20-amp receptacles in weatherproof in-use covers as indicated on the contract drawings. Connect receptacles to phase, neutral, and ground wiring as required to provide a fully operational system.

MEASUREMENT AND PAYMENT – Each

Includes receptacle, weatherproof in-use covers, and all associated wiring to splice.

00 - c07040 ITEM 9910-0010 - DUPLEX RECEPTACLE WITH WEATHERPROOF ENCLOSURE MOUNTED NEAR BOTTOM OF POLE

Addendum:

Associated Item(s): 9910-0010

Header:

ITEM 9910-0010 - DUPLEX RECEPTACLE WITH WEATHERPROOF ENCLOSURE MOUNTED NEAR BOTTOM OF POLE

Provision Body:

DESCRIPTION – This work is furnishing and installation of duplex receptacles in weatherproof enclosure near bottom of light pole.

MATERIALS – In accordance with Section 910 and as indicated:

Provide a 125 Volt, 20 amp convenience duplex ground fault circuit interrupting (GFCI) receptacle with lockable in-use wet location cover. Provide #12 AWG pigtail conductors from receptacle to splice to receptacle conductor on ornamental lighting plans. Connect receptacle ground lug to pole ground lug. All receptacles and accessories shall comply with the latest editions of NEMA WD1, NEMA WD6, and UL 498. The receptacle and its associated components shall meet the requirements listed above and shall be manufactured by one of the following:

Cooper Wiring Devices;

Hubbell Incorporated;

Leviton Manufacturing Company Inc.;

Pass & Seymour/Legrand;

or approved equal.

CONSTRUCTION – As indicated, and in accordance with Section 910 and as follows:

Install 20-amp receptacles in weatherproof in-use covers as indicated on the contract drawings. Connect receptacles to phase, neutral, and ground wiring as required to provide a fully operational system.

MEASUREMENT AND PAYMENT – Each.

Includes receptacle, weatherproof lockable in-use covers, and all associated wiring to splice.

Performance Bonds

Surety Company: Liberty Mutual Insurance Company
Bonding Agency: Willis of New York, Inc.
Producer: Jeannette Porrini/PennDOT BP-002702
Co-Insurer: Yes

Status: Accepted
Bond Number: 014063576
Bond Amount: \$405,575.33
NAIC: 23043

KNOW ALL MEN BY THESE PRESENTS, That we, *HRI, Inc. of 1750 West College Avenue, State College, PA 16801* as PRINCIPAL, and Liberty Mutual Insurance Company a corporation, as SURETY, are held and firmly bound unto the *Coalport Borough* in the full and just sum of \$405,575.33, lawful money of the United States of America, to be paid to the said Municipality, or it assigns, to which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

Sealed with our respective seals and dated this 13 day of November A.D. 2012.

Whereas, the above bounden PRINCIPAL has undertaken to contract with the said Municipality covering the work identified below for approximately the sum of the bond amount defined above.

The description and location of the project is as follows: For the improvement of a certain section of STATE HIGHWAY in CLEARFIELD COUNTY, COALPORT BOROUGH, Commonwealth of Pennsylvania, MAIN STREET, SECTION ENH. The project being situated as follows: In the Borough of Coalport, along SR 0053 from Segment 0030 Offset 1752 to Segment 0040 Offset 0829 (also known as Main Street). The project length is approximately 1492 feet. For streetscape improvements including: sidewalks, concrete curbing, ornamental light poles and fixtures and miscellaneous construction as indicated on the approved drawings included in the bid package.

and

WHEREAS, it was one of the conditions of the award of the Secretary of Transportation, acting for and on behalf of the Municipality, pursuant to which said contract was undertaken by the PRINCIPAL that these presents should be executed, to become binding upon the date the said contract is approved by the Municipality.

NOW, THEREFORE, The conditions of this obligation is such that if the above bounden PRINCIPAL, as Contractor, shall in all respects comply with and faithfully perform the terms and conditions of said contract, and his, their, or its obligations thereunder, including the plans, specifications, and conditions therein referred to and made a part thereof, and such alterations as may be made in said specifications as therein provided for, and shall well and truly, and in a manner satisfactory to the Municipality, complete the work contracted for, and shall save harmless the Municipality from any expense incurred through the failure of said contractor to complete the work as specified, or for any damages growing out of the carelessness and/or negligence of said contractor or his, their, or its servants.

And shall save and keep harmless the said Municipality against and from all losses to it from any cause whatsoever, including patent, trademark, and copyright infringements, in the manner of constructing said section of roadway; then this obligation to be void or otherwise to be and remain in full force and virtue.

It is further provided that any alteration which may be made in the terms of the contract or in the work to be done under it or the giving by the Municipality of any extension of time for the performance of the contract or any other forbearance on the part of either the Municipality or the PRINCIPAL to the other shall not in any way release the PRINCIPAL and the SURETY or SURETIES or either or any of them, their heirs, executors, administrators, successors or assigns, from their liability hereunder, notice to the SURETY or SURETIES of any such alteration, extension, or forbearance being hereby waived.

IN WITNESS WHEREOF, the said PRINCIPAL and SURETY have duly executed this Bond under seal the day and year first above written.

Attorney-in-Fact Attorney-in-Fact Certification

*The undersigned attorney-in-fact by executing this Performance Bond certifies that he/she is licensed with the company named as surety for this bond and that to the best of his/her knowledge the said surety is licensed with the Pennsylvania Insurance Department.

Bond Workflow Status

Status	Name	Disposition	Date/Time
Draft	Debbie A Keirn/PennDOT BP-001239	Submit	11/12/2012 01:24:58 PM
Producer Review	Jeannette Porrini/PennDOT BP-002702	Sign	11/13/2012 12:03:52 PM
Contractor Review	John R Kulka PE/PennDOT BP-001239	Sign	11/13/2012 02:58:46 PM
BOD CMD Review	Roland L Rode/PennDOT	Accept	11/13/2012 03:24:48 PM

Surety Company: The Fidelity and Deposit Company of Maryland
Bonding Agency: Willis of New York, Inc.
Producer: Jeannette Porrini/PennDOT BP-002702
Co-Insurer: Yes

Status: Accepted
Bond Number: 9108909
Bond Amount: \$405,575.32
NAIC: 39306

KNOW ALL MEN BY THESE PRESENTS, That we, *HRI, Inc. of 1750 West College Avenue, State College, PA 16801* as PRINCIPAL, and The Fidelity and Deposit Company of Maryland a corporation, as SURETY, are held and firmly bound unto the *Coalport Borough* in the full and just sum of \$405,575.32, lawful money of the United States of America, to be paid to the said Municipality, or it assigns, to which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

Sealed with our respective seals and dated this 13 day of November A.D. 2012.

Whereas, the above bounden PRINCIPAL has undertaken to contract with the said Municipality covering the work identified below for approximately the sum of the bond amount defined above.

The description and location of the project is as follows: For the improvement of a certain section of STATE HIGHWAY in CLEARFIELD COUNTY, COALPORT BOROUGH, Commonwealth of Pennsylvania, MAIN STREET, SECTION ENH. The project being situated as follows: In the Borough of Coalport, along SR 0053 from Segment 0030 Offset 1752 to Segment 0040 Offset 0829 (also known as Main Street). The project length is approximately 1492 feet. For streetscape improvements including: sidewalks, concrete curbing, ornamental light poles and fixtures and miscellaneous construction as indicated on the approved drawings included in the bid package.

and

WHEREAS, it was one of the conditions of the award of the Secretary of Transportation, acting for and on behalf of the Municipality, pursuant to which said contract was undertaken by the PRINCIPAL that these presents should be executed, to become binding upon the date the said contract is approved by the Municipality.

NOW, THEREFORE, The conditions of this obligation is such that if the above bounden PRINCIPAL, as Contractor, shall in all respects comply with and faithfully perform the terms and conditions of said contract, and his, their, or its obligations thereunder, including the plans, specifications, and conditions therein referred to and made a part thereof, and such alterations as may be made in said specifications as therein provided for, and shall well and truly, and in a manner satisfactory to the Municipality, complete the work contracted for, and shall save harmless the Municipality from any expense incurred through the failure of said contractor to complete the work as specified, or for any damages growing out of the carelessness and/or negligence of said contractor or his, their, or its servants.

And shall save and keep harmless the said Municipality against and from all losses to it from any cause whatsoever, including patent, trademark, and copyright infringements, in the manner of constructing said section of roadway; then this obligation to be void or otherwise to be and remain in full force and virtue.

It is further provided that any alteration which may be made in the terms of the contract or in the work to be done under it or the giving by the Municipality of any extension of time for the performance of the contract or any other forbearance on the part of either the Municipality or the PRINCIPAL to the other shall not in any way release the PRINCIPAL and the SURETY or SURETIES or either or any of them, their heirs, executors, administrators, successors or assigns, from their liability hereunder, notice to the SURETY or SURETIES of any such alteration, extension, or forbearance being hereby waived.

IN WITNESS WHEREOF, the said PRINCIPAL and SURETY have duly executed this Bond under seal the day and year first above written.

Attorney-in-Fact Attorney-in-Fact Certification

*The undersigned attorney-in-fact by executing this Performance Bond certifies that he/she is licensed with the company named as surety for this bond and that to the best of his/her knowledge the said surety is licensed with the Pennsylvania Insurance Department.

Bond Workflow Status

Status	Name	Disposition	Date/Time
Draft	Debbie A Keirn/PennDOT BP-001239	Submit	11/12/2012 01:25:09 PM
Producer Review	Jeannette Porrini/PennDOT BP-002702	Sign	11/13/2012 12:08:51 PM
Contractor Review	John R Kulka PE/PennDOT BP-001239	Sign	11/13/2012 02:59:24 PM
BOD CMD Review	Roland L Rode/PennDOT	Accept	11/13/2012 03:25:27 PM

Payment Bonds

Surety Company: Liberty Mutual Insurance Company
Bonding Agency: Willis of New York, Inc.
Producer: Jeannette Porrini/PennDOT BP-002702
Co-Insurer: Yes

Status: Accepted
Bond Number: 014063576
Bond Amount: \$405,575.33
NAIC: 23043

KNOW ALL MEN BY THESE PRESENTS, That we, *HRI, Inc. of 1750 West College Avenue, State College, PA 16801* as PRINCIPAL, and Liberty Mutual Insurance Company a corporation, as SURETY, are held and firmly bound unto the *Coalport Borough* in the full and just sum of \$405,575.33, lawful money of the United States of America, to be paid to the said Municipality, or it assigns, to which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

Sealed with our respective seals and dated this 13 day of November A.D. 2012.

Whereas, the above bounden PRINCIPAL has undertaken to contract with the said Municipality covering the work identified below for approximately the sum of the bond amount defined above.

The description and location of the project is as follows: For the improvement of a certain section of STATE HIGHWAY in CLEARFIELD COUNTY, COALPORT BOROUGH, Commonwealth of Pennsylvania, MAIN STREET, SECTION ENH. The project being situated as follows: In the Borough of Coalport, along SR 0053 from Segment 0030 Offset 1752 to Segment 0040 Offset 0829 (also known as Main Street). The project length is approximately 1492 feet. For streetscape improvements including: sidewalks, concrete curbing, ornamental light poles and fixtures and miscellaneous construction as indicated on the approved drawings included in the bid package.

and

WHEREAS, it was one of the conditions of the award of the Secretary of Transportation, acting for and on behalf of the Municipality, pursuant to which said contract was undertaken by the PRINCIPAL that these presents should be executed, to become binding upon the date the said contract is approved by the Municipality.

NOW, THEREFORE, The conditions of this obligation is such that if the above bounden PRINCIPAL shall and will promptly or cause to be paid in full all sums of money which may be due by contractor or corporation, for all materials furnished or labor supplied or performed in the prosecution of the work, whether or not the said material or labor entered into and became component parts of the work or improvement contemplated, and for rental of the equipment used and services rendered by public utilities in, or in connection with, the prosecution of such work, then this obligation to be void, otherwise to remain in full force and effect.

The PRINCIPAL and SURETY hereby, jointly and severally, agree with the obligee herein that any individual, firm, partnership, association or corporation, which has performed labor or furnished material in the prosecution of the work as provided, and any public utility which has rendered services in, or in connection with, the prosecution of such work, and which has not been paid in full therefor, may sue *assumpsit* on this Payment Bond in his, their, or its own name and may prosecute the same to final judgement for such sum or sums as may be justly due to him, them, or it, and have execution thereon. Provided, however, that the Municipality shall not be liable for the payment of any costs or expenses of such suit.

Recovery by any individual, firm, partnership, association or corporation hereunder shall be subject to the provisions of the "Public Works Contractors' Bond Law of 1967", Act No. 385, approved December 20, 1967, P.L. 869, which Act shall be incorporated herein and made a part hereof, as fully and completely as though its provisions were fully and at length herein recited.

It is further provided that any alteration which may be made in the terms of the contract or in the work to be done or material to be furnished or labor to be supplied or performed under it or the giving by the Municipality of any extension of time for the performance of the contract or any other forbearance on the part of either the Municipality or the Principal to the other shall not in any way release the PRINCIPAL and the SURETY or SURETIES or either or any of them, their heirs, executors, administrators, successors or assigns, from their liability hereunder, notice to the SURETY or SURETIES of any such alteration, extension, or forbearance being hereby waived.

IN WITNESS WHEREOF, the said PRINCIPAL and SURETY have duly executed this Bond under seal the day and year first above written.

Attorney-in-Fact Certification

*The undersigned attorney-in-fact by executing this Payment Bond certifies that he/she is licensed with the company named as surety for this bond and that to the best of his/her knowledge the said surety is licensed with the Pennsylvania Insurance Department.

Bond Workflow Status

Status	Name	Disposition	Date/Time
Draft	Debbie A Keirn/PennDOT BP-001239	Submit	11/12/2012 01:24:40 PM
Producer Review	Jeannette Porrini/PennDOT BP-002702	Sign	11/13/2012 12:02:05 PM
Contractor Review	John R Kulka PE/PennDOT BP-001239	Sign	11/13/2012 02:57:53 PM
BOD CMD Review	Roland L Rode/PennDOT	Accept	11/13/2012 03:24:33 PM

Surety Company: The Fidelity and Deposit Company of Maryland
Bonding Agency: Willis of New York, Inc.
Producer: Jeannette Porrini/PennDOT BP-002702
Co-Insurer: Yes

Status: Accepted
Bond Number: 9108909
Bond Amount: \$405,575.32
NAIC: 39306

KNOW ALL MEN BY THESE PRESENTS, That we, *HRI, Inc. of 1750 West College Avenue, State College, PA 16801* as PRINCIPAL, and The Fidelity and Deposit Company of Maryland a corporation, as SURETY, are held and firmly bound unto the *Coalport Borough* in the full and just sum of \$405,575.32, lawful money of the United States of America, to be paid to the said Municipality, or it assigns, to which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

Sealed with our respective seals and dated this 13 day of November A.D. 2012.

Whereas, the above bounden PRINCIPAL has undertaken to contract with the said Municipality covering the work identified below for approximately the sum of the bond amount defined above.

The description and location of the project is as follows: For the improvement of a certain section of STATE HIGHWAY in CLEARFIELD COUNTY, COALPORT BOROUGH, Commonwealth of Pennsylvania, MAIN STREET, SECTION ENH. The project being situated as follows: In the Borough of Coalport, along SR 0053 from Segment 0030 Offset 1752 to Segment 0040 Offset 0829 (also known as Main Street). The project length is approximately 1492 feet. For streetscape improvements including: sidewalks, concrete curbing, ornamental light poles and fixtures and miscellaneous construction as indicated on the approved drawings included in the bid package.

and

WHEREAS, it was one of the conditions of the award of the Secretary of Transportation, acting for and on behalf of the Municipality, pursuant to which said contract was undertaken by the PRINCIPAL that these presents should be executed, to become binding upon the date the said contract is approved by the Municipality.

NOW, THEREFORE, The conditions of this obligation is such that if the above bounden PRINCIPAL shall and will promptly or cause to be paid in full all sums of money which may be due by contractor or corporation, for all materials furnished or labor supplied or performed in the prosecution of the work, whether or not the said material or labor entered into and became component parts of the work or improvement contemplated, and for rental of the equipment used and services rendered by public utilities in, or in connection with, the prosecution of such work, then this obligation to be void, otherwise to remain in full force and effect.

The PRINCIPAL and SURETY hereby, jointly and severally, agree with the obligee herein that any individual, firm, partnership, association or corporation, which has performed labor or furnished material in the prosecution of the work as provided, and any public utility which has rendered services in, or in connection with, the prosecution of such work, and which has not been paid in full therefor, may sue *assumpsit* on this Payment Bond in his, their, or its own name and may prosecute the same to final judgement for such sum or sums as may be justly due to him, them, or it, and have execution thereon. Provided, however, that the Municipality shall not be liable for the payment of any costs or expenses of such suit.

Recovery by any individual, firm, partnership, association or corporation hereunder shall be subject to the provisions of the "Public Works Contractors' Bond Law of 1967", Act No. 385, approved December 20, 1967, P.L. 869, which Act shall be incorporated herein and made a part hereof, as fully and completely as though its provisions were fully and at length herein recited.

It is further provided that any alteration which may be made in the terms of the contract or in the work to be done or material to be furnished or labor to be supplied or performed under it or the giving by the Municipality of any extension of time for the performance of the contract or any other forbearance on the part of either the Municipality or the Principal to the other shall not in any way release the PRINCIPAL and the SURETY or SURETIES or either or any of them, their heirs, executors, administrators, successors or assigns, from their liability hereunder, notice to the SURETY or SURETIES of any such alteration, extension, or forbearance being hereby waived.

IN WITNESS WHEREOF, the said PRINCIPAL and SURETY have duly executed this Bond under seal the day and year first above written.

Attorney-in-Fact Certification

*The undersigned attorney-in-fact by executing this Payment Bond certifies that he/she is licensed with the company named as surety for this bond and that to the best of his/her knowledge the said surety is licensed with the Pennsylvania Insurance Department.

Bond Workflow Status

Status	Name	Disposition	Date/Time
Draft	Debbie A Keirn/PennDOT BP-001239	Submit	11/12/2012 01:24:50 PM
Producer Review	Jeannette Porrini/PennDOT BP-002702	Sign	11/13/2012 12:03:06 PM
Contractor Review	John R Kulka PE/PennDOT BP-001239	Sign	11/13/2012 02:55:31 PM
BOD CMD Review	Roland L Rode/PennDOT	Accept	11/13/2012 03:25:12 PM

Insurance

Liberty Mutual

Weston / 0102
Riverside Office Park
9 Riverside Road
Weston, MA 02493-2298

Company: Liberty Mutual - Adrienne Kisonas
Policy: WC7-631-004125-682
Expiration: 04/01/2013

DBE Commitments

DBE: 2%
Approved: 2.01%

Perform Less Than 50% of Work Items: No
Good Faith Effort Evaluation: No

Status	Business Partner	Business	% of Bid	Submitted	Acknowledged
Conditionally Approved	Beth's Barricades	Subcontractor	1.30%	09/05/2012	09/05/2012
Approved	Beth's Barricades	Regular Dealer	0.45%	09/05/2012	09/05/2012
Approved	Brenda L Dixon D/B/A dixon contracting & supply	Regular Dealer	0.26%	09/05/2012	09/05/2012

Beth's Barricades

Prime

Contact: Kelly Foreman
Phone: 814-278-6955
DBE: 2%

Status: Conditionally Approved
Revision Number:

DBE

Business Partner: Beth's Barricades
Type: DBE
Contact: Dave Nury
Phone: 412-767-8830
DBE JVT%:
Certification: 12455
Cert. Expiration: 09/30/2012

Agreement Amount: \$10,569.95
% of Bid: 1.30
Mobilization: \$0.00
Starting: 11/19/2012
Completion: 09/18/2013
Business Type: Subcontractor

Items

Item	Description	Unit of Measure	Quantity
0941-0001	RESET POST MOUNTED SIGNS, TYPE B	EACH	10.000
0931-0001	POST MOUNTED SIGNS, TYPE B	SF	7.000
0901-0240	ADDITIONAL TRAFFIC CONTROL SIGNS	SF	200.000
0901-0240	ADDITIONAL TRAFFIC CONTROL SIGNS	SF	200.000
0901-0232	ADDITIONAL WARNING LIGHTS, TYPE C	DAY	50.000
0901-0231	ADDITIONAL WARNING LIGHTS, TYPE B	DAY	50.000

Partial Items

Item	Description	Unit of Measure	Quantity
0901-0001	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION	LS	1.000

Comment

None

Workflow

Status	Name	Disposition	Date/Time
Draft	Kelly J Foreman/PennDOT BP-001239	Submit	09/05/2012 10:52:35 AM
Awaiting Acknowledgement	David J Nury/PennDOT BP-003313	Acknowledge	09/05/2012 10:56:26 AM
Acknowledged	Kelly J Foreman/PennDOT BP-001239	Submit	09/05/2012 11:55:52 AM
PennDOT Review	Delores A Ritzman/PennDOT	Conditionally Approve	09/06/2012 10:56:13 AM

Beth's Barricades

Prime

Contact: Kelly Foreman
Phone: 814-278-6955
DBE: 2%

Status: Approved
Revision Number:

DBE

Business Partner: Beth's Barricades
Type: DBE
Contact: Dave Nury
Phone: 412-767-8830
DBE JVT%:
Certification: 12455
Cert. Expiration: 09/30/2012

Agreement Amount: \$3,628.80
% of Bid: 0.45
Mobilization: \$0.00
Starting: 03/04/2013
Completion: 09/18/2013
Business Type: Regular Dealer

Items

None

Partial Items

Item	Description	Unit of Measure	Quantity
0695-0003	DETECTABLE WARNING SURFACE, POLYMER CONCRETE	SF	432.000

Comment

None

Workflow

Status	Name	Disposition	Date/Time
Draft	Kelly J Foreman/PennDOT BP-001239	Submit	09/05/2012 11:02:56 AM
Awaiting Acknowledgement	David J Nury/PennDOT BP-003313	Acknowledge	09/05/2012 11:07:17 AM
Acknowledged	Kelly J Foreman/PennDOT BP-001239	Submit	09/05/2012 11:55:52 AM
PennDOT Review	Delores A Ritzman/PennDOT	Approve	09/06/2012 07:35:33 AM

Brenda L Dixon D/B/A dixon contracting & supply

Prime

Contact: Kelly Foreman
Phone: 814-278-6955
DBE: 2%

Status: Approved
Revision Number:

DBE

Business Partner: Brenda L Dixon D/B/A dixon contracting & supply
Type: DBE
Contact: Brenda Dixon
Phone: 814-342-5203
DBE JVT%:
Certification: 10532
Cert. Expiration: 05/31/2009

Agreement Amount: \$2,117.40
% of Bid: 0.26
Mobilization: \$0.00
Starting: 03/04/2013
Completion: 09/18/2013
Business Type: Regular Dealer

Items

None

Partial Items

Item	Description	Unit of Measure	Quantity
9000-0006	SUBSURFACE DRAIN OUTLETS	LF	60.000
0860-0002	INLET FILTER BAG FOR TYPE C INLET	EACH	2.000
0860-0002	INLET FILTER BAG FOR TYPE C INLET	EACH	2.000
0860-0002	INLET FILTER BAG FOR TYPE C INLET	EACH	2.000
0860-0000	INLET FILTER BAG FOR TYPE M INLET	EACH	11.000
0860-0000	INLET FILTER BAG FOR TYPE M INLET	EACH	11.000
0860-0000	INLET FILTER BAG FOR TYPE M INLET	EACH	11.000
0605-2850	STANDARD INLET BOX, HEIGHT < /= 10'	EACH	2.000
0605-2711	TYPE C CONCRETE TOP UNIT AND BICYCLE SAFE GRATE	SET	2.000
0601-7005	12" REINFORCED CONCRETE PIPE, TYPE A, 30' - 1.5' FILL	LF	12.000

Comment

None

Workflow

Status	Name	Disposition	Date/Time
Draft	Kelly J Foreman/PennDOT BP-001239	Submit	09/05/2012 10:43:53 AM
Awaiting Acknowledgement	Brenda L Dixon/PennDOT BP-001363	Acknowledge	09/05/2012 11:52:12 AM
Acknowledged	Kelly J Foreman/PennDOT BP-001239	Submit	09/05/2012 11:55:52 AM

PennDOT Review

Delores A Ritzman/PennDOT Approve

09/06/2012 07:34:51 AM

Plans

Plans

Addendum

Roadway Plan

Supplemental Plans

Cross Section

Erosion and Sediment Pollution Control Plan

Other/Project-Specific Plan - Ornamental Lighting Plan

Signing and Pavement Marking Plan

Traffic Control Plan

Attachments

Project-Specific Checklist Items

Addendum

- Project Specific - Water Line Relocation Specification
- Project Specific - Emerald Ash Borer Quarantine Order
- Project Specific - Mill in Quarantined Area Handling Ash Chips and Mulch
- Project Specific - Steel Escalation Option

Reviews

None

Contract Award Items

- Disclosure of Lobbying Activities
- F.A.R. REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
- Federal Wage Rate

Local Agreements and Coordination

None

Environmental Clearances

None

Permits

- Environmental Due Diligence (EDD) - Contractor - Form EDD-VII
- Environmental Due Diligence (EDD) - Contractor - Form EDD-VI
- Environmental Due Diligence (EDD) - PennDOT

Right of Way

None

Survey

None

Utilities Clearance

None

Utility Engineering

None

Construction Items

- Pre-Bid Construction Schedule

Structures and Geotechnical

None

Railroad Coordination

None

Traffic

None

Construction Coordination

None

Maintenance Items

None

Estimates

None

Comments: