

PROJECT SPECIFICATIONS

The Contractor shall comply with the *Contract Terms and Conditions* provided with the Bid Documents including but not limited to the following:

INSURANCE REQUIREMENTS – The Contractor is required to have in place during the term of the Contract and any renewals or extensions thereof, **Worker’s Compensation Insurance** and **Public Liability and Property Damage Insurance** issued by companies acceptable to the Commonwealth and authorized to conduct such business under the laws of the Commonwealth of Pennsylvania. Insurance and coverage requirements shall be provided in accordance with the *Contract Terms and Conditions*.

Insurance coverage shall also include:

Fire Insurance. The Contractor shall furnish and pay for insurance on all work included in the contract, in the total amount of the contract price, against loss or damage by fire and lightning and the extended coverage, in the names of the Pennsylvania Game Commission and the Contractor as their respective interests may appear, before starting work. Duplicate certificates of insurance for the Installation Floater covering this project will be acceptable.

Special Hazard. Special hazards, if there is a possibility of such hazard existing in the work contemplated, this shall be covered by separate insurance or by rider(s) to other required policy(s). Possible hazards, such as blasting, explosion, and fire on insurable items shall be so covered.

Policy or Policies in duplicate to accomplish insurance as above described, shall be written on either a Builder’s Risk Form or Alterations and Additions Form or Installation Floater Form, whichever, is applicable, and shall be filed, upon request, with the Pennsylvania Game Commission before starting the work. Duplicate certificates of insurance for the Installation Floater covering this project will be acceptable.

The Commonwealth of Pennsylvania **AND** the Pennsylvania Game Commission shall be listed as an “Additional Insured” on all policies.

COMPLIANCE WITH LAW – The Contractor shall comply with all applicable federal and state laws and regulations and local ordinances in the performance of the Contract.

WORKMANSHIP - All work shall be performed in a Workmanlike manner and all materials and labor shall be in strict and entire conformity with the Drawings and Specifications.

INSPECTION AND CHANGES - All work is subject to inspection and acceptance by the Pennsylvania Game Commission. Any work rejected as defective or unsuitable shall be removed and replaced with suitable work and materials at the sole cost of the Contractor to the satisfaction of the Game Commission.

Changes shall be in accordance with the *Contract Terms and Conditions*.

TEMPORARY SERVICES AND JOB CONDITIONS - The Contractor shall be responsible for providing temporary facilities necessary to execute and protect his work. The Contractor shall accept all conditions as found by him upon examination of the site. The Contractor shall cooperate in the arrangements of his work as necessary to least affect the administration or operations of present buildings and shall keep the site clean at all times. If such modifications materially increase the unit cost of work, the increased expense will be paid by the Commission following execution of a Change Order in a dollar amount determined by the Commission, in its sole discretion, to be fair and reasonable. If such modifications diminish the unit cost of the work, the amount of said diminution may be retained or withheld by the Commission. No consequent loss of anticipated profit on work not executed will be paid to the Contractor.

PREVAILING WAGE – Prevailing minimum wages apply to this project. See *Contract Terms and Conditions* and attached Prevailing Wage Determination.

The Contractor and each Subcontractor shall file a statement each week and a final statement at the conclusion of the work on the contract with the contracting agency, under oath, and in form satisfactory to the Secretary, certifying that workmen have been paid wages in strict conformity with the provisions of the contract as prescribed by this section or if wages remain unpaid to set forth the amount of wages due and owing to each workman respectively. The PA Labor and Industry “Weekly Payroll Certification for Public Works Projects” form shall be used. The initial and final Payroll Certifications shall be notarized.

PAYMENT TERMS - A schedule of values is provided with the bid. Payment will be made on a monthly basis upon satisfactory completion of items listed on the Schedule of Values and in accordance with the *Contract Terms and Conditions*.

All payments due to the Contractor shall be processed after all work has been inspected and approved by an agent of the Pennsylvania Game Commission. Payment will not be made for work that is not progressing satisfactorily or for unsuitable or defective work.

Payments may be withheld for failure to provide required documentation for the project including but not limited to required submittals / shop drawings and weekly submission of Certified Payrolls.

CONTRACT TERM - The Contract shall commence upon delivery of purchase order to Contractor and shall terminate on **June 26, 2020**. All work must be completed and accepted by that date.

EXCISE TAXES, PENNSYLVANIA SALES TAX - The Commonwealth is exempt from all Excise Taxes. See *Contract Terms and Conditions*.

OFFSET PROVISION - The Contractor agrees that the Commonwealth may set off the amount of any state liability or other debt of the Contractor or its subsidiaries that is owed to the Commonwealth and not being contested on appeal against any payments due the Contractor under this or any other contract with the Commonwealth.

PERFORMANCE SECURITY / CONTRACT BONDS – Within 10 days after award of the purchase order, the Bidder to whom the Contract is awarded, shall provide **Contract Performance Security** in a form acceptable to the Commonwealth and, if required, a **Payment Bond** based on the amount of the Contract in accordance with the *Contract Terms and Conditions*.

GUARANTY / WARRANTY – See *Contract Terms and Conditions* – all items are warranted for a period of one year following delivery by the Contractor and acceptance by the Commonwealth.

Contractor shall comply with the conditions listed below in accordance with the *Contract Terms and Conditions*:

1. **Steel Products Procurement Act**
2. **Prohibition Against the Use of Certain Steel and Aluminum Products (Trade Practices Act)**
3. **Reciprocal Limitations Act** - The form GSPUR89 (Reciprocal Limitations Act Requirements) is attached. The Contractor shall complete the applicable portions of pages 3 and 4 of the form and submit the completed pages within two days after the bid opening.

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project Name:	SGL #86 Hunter Access Parking Improvements
Awarding Agency:	PA Game Commission
Contract Award Date:	1/29/2020
Serial Number:	19-08583
Project Classification:	Heavy/Highway
Determination Date:	12/19/2019
Assigned Field Office:	Altoona
Field Office Phone Number:	(814)940-6224
Toll Free Phone Number:	
Project County:	Warren County

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 19-08583 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	5/1/2017		\$32.60	\$22.34	\$54.94
Asbestos & Insulation Workers	5/1/2018		\$33.25	\$23.09	\$56.34
Boilermakers	6/1/2016		\$40.90	\$27.61	\$68.51
Bricklayer (Stone Mason)	12/1/2017		\$27.18	\$19.40	\$46.58
Bricklayer	12/1/2018		\$27.66	\$19.92	\$47.58
Bricklayer	6/1/2019		\$27.86	\$20.42	\$48.28
Bricklayer	12/1/2019		\$28.36	\$20.62	\$48.98
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2017		\$27.55	\$13.49	\$41.04
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2018		\$28.11	\$13.93	\$42.04
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2019		\$28.73	\$14.31	\$43.04
Cement Finishers	6/1/2016		\$28.71	\$17.85	\$46.56
Cement Masons	6/1/2018		\$28.74	\$16.84	\$45.58
Drywall Finisher	6/1/2017		\$24.80	\$16.66	\$41.46
Drywall Finisher	6/1/2018		\$25.10	\$17.51	\$42.61
Drywall Finisher	5/1/2019		\$23.12	\$18.95	\$42.07
Drywall Finisher	6/1/2019	5/31/2020	\$26.10	\$18.01	\$44.11
Drywall Finisher	6/1/2020	5/31/2021	\$27.10	\$18.41	\$45.51
Drywall Finisher	6/1/2021	5/31/2022	\$28.00	\$18.91	\$46.91
Drywall Finisher	6/1/2022		\$29.00	\$19.41	\$48.41
Electricians & Telecommunications Installation Technician	6/5/2017		\$30.00	\$23.63	\$53.63
Electricians & Telecommunications Installation Technician	6/3/2019		\$31.60	\$25.02	\$56.62
Elevator Constructor	1/1/2016		\$44.80	\$30.29	\$75.09
Elevator Constructor	1/1/2018		\$47.22	\$33.00	\$80.22
Glazier	6/1/2017		\$27.68	\$8.67	\$36.35
Glazier	6/1/2019		\$28.00	\$10.15	\$38.15
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2017		\$28.91	\$28.37	\$57.28
Iron Workers	6/1/2018		\$29.95	\$29.02	\$58.97
Iron Workers	6/1/2019		\$30.75	\$30.13	\$60.88
Laborers (Class 01 - See notes)	1/1/2018		\$18.60	\$16.48	\$35.08
Laborers (Class 01 - See notes)	1/1/2019		\$18.60	\$17.63	\$36.23
Laborers (Class 02 - See notes)	1/1/2018		\$18.85	\$16.48	\$35.33
Laborers (Class 02 - see notes)	1/1/2019		\$18.85	\$17.63	\$36.48
Laborers (Class 03 - See notes)	1/1/2018		\$19.40	\$16.48	\$35.88
Laborers (Class 03 - See notes)	1/1/2019		\$19.40	\$17.63	\$37.03
Landscape Laborer	1/1/2018		\$17.60	\$16.48	\$34.08
Millwright	6/1/2017		\$39.83	\$18.57	\$58.40
Operators (Class 01 - see notes)	7/1/2017		\$30.17	\$17.42	\$47.59
Operators (Class 01 - see notes)	7/1/2018		\$30.72	\$18.12	\$48.84
Operators (Class 01 - see notes)	7/1/2019		\$31.27	\$18.82	\$50.09
Operators (Class 01 - see notes)	7/1/2020		\$31.87	\$19.57	\$51.44

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 19-08583 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Class 01 - see notes)	7/1/2021		\$32.47	\$20.32	\$52.79
Operators (Class 02 -see notes)	7/1/2017		\$26.45	\$17.42	\$43.87
Operators (Class 02 -see notes)	7/1/2018		\$26.75	\$18.12	\$44.87
Operators (Class 02 -see notes)	7/1/2019		\$27.05	\$18.82	\$45.87
Operators (Class 02 -see notes)	7/1/2020		\$27.45	\$19.57	\$47.02
Operators (Class 02 -see notes)	7/1/2021		\$27.85	\$20.32	\$48.17
Operators (Class 03 - See notes)	7/1/2017		\$25.30	\$17.42	\$42.72
Operators (Class 03 - See notes)	7/1/2018		\$25.50	\$18.12	\$43.62
Operators (Class 03 - See notes)	7/1/2019		\$25.70	\$18.82	\$44.52
Operators (Class 03 - See notes)	7/1/2020		\$26.00	\$19.57	\$45.57
Operators (Class 03 - See notes)	7/1/2021		\$26.30	\$20.32	\$46.62
Operators (Class 04 - Chief of Party (Surveying and Layout))	7/1/2016		\$23.65	\$16.77	\$40.42
Operators (Class 04 - Instrument Person (Surveying & Layout))	7/1/2016		\$22.65	\$16.77	\$39.42
Operators (Class 04 - Rodman/Chainman (Surveying and Layout))	7/1/2016		\$22.20	\$16.77	\$38.97
Painters (Bridges, Stacks, Towers)	5/1/2019		\$25.37	\$18.95	\$44.32
Painters (Brush and Roller)(Commercial)	5/1/2019		\$22.87	\$18.95	\$41.82
Painters (Spray and Sandblasting)(Commercial)	5/1/2019		\$23.62	\$18.95	\$42.57
Painters (Spray and Sandblasting)(Industrial)	5/1/2019		\$23.37	\$18.95	\$42.32
Painters Class 2 (see notes)	6/1/2017		\$24.11	\$17.98	\$42.09
Painters Class 2 (see notes)	6/1/2018		\$24.61	\$18.68	\$43.29
Painters Class 2 (see notes)	6/1/2019		\$25.11	\$19.38	\$44.49
Pile Driver Divers (Building, Heavy, Highway)	1/1/2018		\$50.33	\$18.55	\$68.88
Pile Driver Divers (Building, Heavy, Highway)	1/1/2019		\$51.45	\$19.30	\$70.75
Piledrivers	1/1/2018		\$33.55	\$18.55	\$52.10
Piledrivers	1/1/2019		\$34.30	\$19.30	\$53.60
Plasterers	6/1/2017		\$28.79	\$15.79	\$44.58
Plasterers	6/1/2018		\$28.74	\$16.84	\$45.58
Plasterers	6/1/2019		\$29.78	\$17.20	\$46.98
plumber	6/1/2018		\$39.18	\$21.77	\$60.95
plumber	6/1/2019		\$41.33	\$21.77	\$63.10
plumber	6/1/2020		\$43.48	\$21.77	\$65.25
plumber	6/1/2021		\$45.58	\$21.77	\$67.35
plumber	6/1/2022		\$47.68	\$21.77	\$69.45
Plumbers	6/1/2017		\$37.78	\$21.02	\$58.80
Pointers, Caulkers, Cleaners	12/1/2017		\$29.88	\$18.73	\$48.61
Pointers, Caulkers, Cleaners	6/1/2019		\$31.38	\$19.44	\$50.82
Pointers, Caulkers, Cleaners	12/1/2019		\$31.93	\$19.64	\$51.57
Roofers	5/1/2017		\$28.59	\$14.27	\$42.86
Roofers	5/1/2018		\$28.75	\$15.51	\$44.26
Roofers	5/1/2019		\$29.50	\$16.01	\$45.51
Sheet Metal Workers	7/1/2017		\$33.70	\$27.74	\$61.44
Sheet Metal Workers	7/1/2018		\$34.47	\$28.08	\$62.55

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 19-08583 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Sprinklerfitters	4/1/2017		\$37.40	\$21.74	\$59.14
Sprinklerfitters	4/1/2018		\$38.80	\$22.74	\$61.54
Steamfitters	6/1/2017		\$39.71	\$19.01	\$58.72
Steamfitters	6/1/2018		\$38.55	\$22.67	\$61.22
Stone Masons	6/1/2019		\$33.72	\$22.05	\$55.77
Stone Masons	12/1/2019		\$34.22	\$22.25	\$56.47
Terrazzo Finisher	12/1/2017		\$31.08	\$15.85	\$46.93
Terrazzo Finisher	6/1/2019		\$32.01	\$16.52	\$48.53
Terrazzo Finisher	12/1/2019		\$32.37	\$16.74	\$49.11
Terrazzo Mechanics	12/1/2017		\$30.57	\$17.91	\$48.48
Terrazzo Mechanics	6/1/2019		\$31.31	\$18.67	\$49.98
Terrazzo Mechanics	12/1/2019		\$31.79	\$18.92	\$50.71
Tile Finisher	12/1/2017		\$25.16	\$14.90	\$40.06
Tile Finisher	6/1/2019		\$25.69	\$15.65	\$41.34
Tile Finisher	12/1/2019		\$26.00	\$15.86	\$41.86
Tile Setter	12/1/2017		\$30.75	\$19.05	\$49.80
Tile Setter	6/1/2019		\$31.47	\$20.03	\$51.50
Tile Setter	12/1/2019		\$31.91	\$20.24	\$52.15
Truckdriver class 1(see notes)	1/1/2016		\$27.62	\$16.60	\$44.22
Truckdriver class 2 (see notes)	1/1/2016		\$27.75	\$16.69	\$44.44
Truckdriver class 3 (see notes)	1/1/2016		\$28.23	\$16.98	\$45.21
Window Film / Tint Installer	10/1/2019		\$25.00	\$2.63	\$27.63

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 19-08583 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter Welder	1/1/2017		\$33.10	\$17.14	\$50.24
Carpenter Welder	1/1/2018		\$33.87	\$17.77	\$51.64
Carpenter Welder	1/1/2019		\$34.72	\$18.42	\$53.14
Carpenters	1/1/2017		\$32.15	\$17.14	\$49.29
Carpenters	1/1/2018		\$32.92	\$17.77	\$50.69
Carpenters	1/1/2019		\$33.77	\$18.42	\$52.19
Cement Finishers	1/1/2017		\$30.14	\$19.40	\$49.54
Cement Finishers	1/1/2018		\$31.04	\$19.90	\$50.94
Cement Finishers	1/1/2019		\$31.94	\$20.50	\$52.44
Electric Lineman	1/1/2018		\$55.43	\$22.48	\$77.91
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2016		\$28.70	\$27.26	\$55.96
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2017		\$28.91	\$28.37	\$57.28
Laborers (Class 01 - See notes)	1/1/2017		\$24.85	\$20.95	\$45.80
Laborers (Class 01 - See notes)	1/1/2018		\$24.85	\$22.35	\$47.20
Laborers (Class 01 - See notes)	1/1/2019		\$24.85	\$23.85	\$48.70
Laborers (Class 02 - See notes)	1/1/2017		\$25.01	\$20.95	\$45.96
Laborers (Class 02 - See notes)	1/1/2018		\$25.01	\$22.35	\$47.36
Laborers (Class 02 - See notes)	1/1/2019		\$25.01	\$23.85	\$48.86
Laborers (Class 03 - See notes)	1/1/2017		\$25.40	\$20.95	\$46.35
Laborers (Class 03 - See notes)	1/1/2018		\$25.40	\$22.35	\$47.75
Laborers (Class 03 - See notes)	1/1/2019		\$25.40	\$23.85	\$49.25
Laborers (Class 04 - See notes)	1/1/2017		\$25.85	\$20.95	\$46.80
Laborers (Class 04 - See notes)	1/1/2018		\$25.85	\$22.35	\$48.20
Laborers (Class 04 - See notes)	1/1/2019		\$25.85	\$23.85	\$49.70
Laborers (Class 05 - See notes)	1/1/2017		\$26.26	\$20.95	\$47.21
Laborers (Class 05 - See notes)	1/1/2018		\$26.26	\$22.35	\$48.61
Laborers (Class 05 - See notes)	1/1/2019		\$26.26	\$23.85	\$50.11
Laborers (Class 06 - See notes)	1/1/2017		\$23.10	\$20.95	\$44.05
Laborers (Class 06 - See notes)	1/1/2018		\$23.10	\$22.35	\$45.45
Laborers (Class 06 - See notes)	1/1/2019		\$23.10	\$23.85	\$46.95
Laborers (Class 07 - See notes)	1/1/2017		\$25.85	\$20.95	\$46.80
Laborers (Class 07 - See notes)	1/1/2018		\$25.85	\$22.35	\$48.20
Laborers (Class 07 - See notes)	1/1/2019		\$25.85	\$23.85	\$49.70
Laborers (Class 08 - See notes)	1/1/2017		\$27.35	\$20.95	\$48.30
Laborers (Class 08 - See notes)	1/1/2018		\$27.35	\$22.35	\$49.70
Laborers (Class 08 - See notes)	1/1/2019		\$27.35	\$23.85	\$51.20
Operators (Class 01 - see notes)	1/1/2017		\$30.69	\$19.98	\$50.67
Operators (Class 01 - see notes)	1/1/2018		\$31.29	\$20.78	\$52.07
Operators (Class 01 - see notes)	1/1/2019		\$31.89	\$21.68	\$53.57
Operators (Class 02 -see notes)	1/1/2017		\$30.43	\$19.98	\$50.41
Operators (Class 02 -see notes)	1/1/2018		\$31.03	\$20.78	\$51.81
Operators (Class 02 -see notes)	1/1/2019		\$31.63	\$21.68	\$53.31
Operators (Class 03 - See notes)	1/1/2017		\$26.78	\$19.98	\$46.76

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 19-08583 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Class 03 - See notes)	1/1/2018		\$27.38	\$20.78	\$48.16
Operators (Class 03 - See notes)	1/1/2019		\$27.98	\$21.68	\$49.66
Operators (Class 04 - See notes)	1/1/2017		\$26.32	\$19.98	\$46.30
Operators (Class 04 - See notes)	1/1/2018		\$26.92	\$20.78	\$47.70
Operators (Class 04 - See notes)	1/1/2019		\$27.52	\$21.68	\$49.20
Operators (Class 05 - See notes)	1/1/2017		\$26.07	\$19.98	\$46.05
Operators (Class 05 - See notes)	1/1/2018		\$26.67	\$20.78	\$47.45
Operators (Class 05 - See notes)	1/1/2019		\$27.27	\$21.68	\$48.95
Painters Class 1 (see notes)	6/1/2017		\$27.46	\$17.98	\$45.44
Painters Class 1 (see notes)	6/1/2018		\$28.11	\$18.68	\$46.79
Painters Class 1 (see notes)	6/1/2019		\$28.76	\$19.38	\$48.14
Pile Driver Divers (Building, Heavy, Highway)	1/1/2018		\$50.33	\$18.55	\$68.88
Pile Driver Divers (Building, Heavy, Highway)	1/1/2019		\$51.45	\$19.30	\$70.75
Piledrivers	1/1/2017		\$32.75	\$17.95	\$50.70
Piledrivers	1/1/2018		\$33.55	\$18.55	\$52.10
Piledrivers	1/1/2019		\$34.30	\$19.30	\$53.60
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2017		\$40.98	\$32.53	\$73.51
Truckdriver class 1(see notes)	1/1/2017		\$28.10	\$17.42	\$45.52
Truckdriver class 1(see notes)	1/1/2018		\$28.52	\$18.40	\$46.92
Truckdriver class 1(see notes)	1/1/2019		\$28.99	\$19.43	\$48.42
Truckdriver class 2 (see notes)	1/1/2017		\$28.24	\$17.50	\$45.74
Truckdriver class 2 (see notes)	1/1/2018		\$28.66	\$18.48	\$47.14
Truckdriver class 2 (see notes)	1/1/2019		\$29.13	\$19.51	\$48.64
Truckdriver class 3 (see notes)	1/1/2017		\$28.71	\$17.80	\$46.51
Truckdriver class 3 (see notes)	1/1/2018		\$29.13	\$18.78	\$47.91
Truckdriver class 3 (see notes)	1/1/2019		\$29.59	\$19.82	\$49.41

RECIPROCAL LIMITATIONS ACT REQUIREMENTS

Please Complete Applicable Portion of Pages 3 & 4 and Return with Bid.

NOTE: These Requirements Do Not Apply To Bids Under \$10,000.00

I. REQUIREMENTS

- A.** The Reciprocal Limitations Act requires the Commonwealth to give preference to those bidders offering supplies produced, manufactured, mined or grown in Pennsylvania as against those bidders offering supplies produced, manufactured, mined or grown in any state that gives or requires a preference to supplies produced, manufactured, mined or grown in that state. The amount of the preference shall be equal to the amount of the preference applied by the other state for that particular supply.

The following is a list of states which have been found by the Department of General Services to have applied a preference for in-state supplies and the amount of the preference:

	STATE	PREFERENCE
1.	Alaska	7% (applies only to timber, lumber, and manufactured lumber products originating in the state)
2.	Arizona	5% (construction materials produced or manufactured in the state only)
3.	Hawaii	10%
4.	Illinois	10% for coal only
5.	Iowa	5% for coal only
6.	Louisiana	4% meat and meat products 4% catfish 10% milk & dairy products 10% steel rolled in Louisiana 7% all other products
7.	Montana	5% for residents * 3% for non-residents* *offering in-state goods, supplies, equipment and materials
8.	New Mexico	5%
9.	New York	3% for purchase of food only
10.	Oklahoma	5%
11.	Virginia	4% for coal only
12.	Washington	5% (fuels mined or produced in the state only)
13.	Wyoming	5%

- B.** The Reciprocal Limitations Act requires the Commonwealth to give preference to those bidders offering printing performed in Pennsylvania as against those bidders offering printing performed in any state that gives or requires a preference to printing performed in that state. The amount of the preference shall be equal to the amount of the preference applied by the other state for that particular category of printing.

The following is a list of states which have been found by the Department of General Services to have applied a preference for in-state printing and the amount of the preference:

	STATE	PREFERENCE
1.	Hawaii	15%
2.	Idaho	10%
3.	Louisiana	3%
4.	Montana	8%
5.	New Mexico	5%
6.	Wyoming	10%

- C.** The Reciprocal Limitations Act, also requires the Commonwealth to give resident bidders a preference against a nonresident bidder from any state that gives or requires a preference to bidders from that state or exclude bidders from states that exclude nonresident bidders. The amount of the preference shall be equal to the amount of the preference applied by the state of the nonresident bidder. The following is a list of the states which have been found by the Department of General Services to have applied a preference for in-state bidders and the amount of the preference:

STATE	PREFERENCE
1. Alaska	5% (supplies only)
2. Arizona	5% (construction materials from Arizona resident dealers only)
3. California	5% (for supply contracts only in excess of \$100,000.00)
4. Connecticut	10% (for supplies only)
5. Montana	3%
6. New Mexico	5% (for supplies only)
7. South Carolina	2% (under \$2,500,000.00) 1% (over \$2,500,000.00)
	This preference does not apply to construction contracts nor where the price of a single unit exceeds \$10,000.
8. West Virginia	2.5% (for the construction, repair or improvement of any buildings)
9. Wyoming	5%

STATE	PROHIBITION
1. New Jersey	For supply procurements or construction projects restricted to Department of General Services Certified Small Businesses, New Jersey bidders shall be excluded from award even if they themselves are Department of General Services Certified Small Businesses.

D. The Reciprocal Limitations Act also requires the Commonwealth not to specify, use or purchase supplies which are produced, manufactured, mined or grown in any state that prohibits the specification for, use, or purchase of such items in or on its public buildings or other works, when such items are not produced, manufactured, mined or grown in such state. The following is a list of the states which have been found by the Department of General Services to have prohibited the use of out-of-state supplies:

STATE	PROHIBITION
1. Alabama	Only for printing and binding involving "messages of the Governor to the Legislature", all bills, documents and reports ordered by and for the use of the Legislature or either house thereof while in session; all blanks, circulars, notices and forms used in the office of or ordered by the Governor, or by any state official, board, commission, bureau or department, or by the clerks of the supreme court . . . /and other appellate courts/; and all blanks and forms ordered by and for the use of the Senate and Clerk or the House of Representatives, and binding the original records and opinions of the Supreme Court . . . /and other appellate courts/
2. Georgia	Forest products only
3. Indiana	Coal
4. Michigan	Printing
5. New Mexico	Construction
6. Ohio	Only for House and Senate bills, general and local laws, and joint resolutions; the journals and bulletins of the Senate and house of Representatives and reports, communications, and other documents which form part of the journals; reports, communications, and other documents ordered by the General Assembly, or either House, or by the executive department or elective state officers; blanks, circulars, and other work for the use of the executive departments, and elective state officers; and opinions of the Attorney General.
7. Rhode Island	Only for food for state institutions.

*If the bid discloses that the bidder is offering to supply one of the above-listed products that is manufactured, mined, or grown in the listed state, it shall be rejected. Contractors are prohibited from supplying these items from these states.

II. CALCULATION OF PREFERENCE

In calculating the preference, the amount of a bid submitted by a Pennsylvania bidder shall be reduced by the percentage preference which would be given to a nonresident bidder by its state of residency (as found by the Department of General Services in Paragraph C_{above}). Similarly, the amount of a bid offering Pennsylvania goods, supplies, equipment or materials shall be reduced by the percentage preference which would be given to another bidder by the state where the goods, supplies, equipment or materials are produced, manufactured, mined or grown (as found by the Department of General Services in Paragraphs A and B above).

THIS FORM MUST BE COMPLETED AND RETURNED WITH THE BID

III. STATE OF MANUFACTURE

All bidders must complete the following chart by listing the name of the manufacturer and the state (or foreign country) of manufacture for each item. If the item is domestically produced, the bidder must indicate the state in the United States where the item will be manufactured. **This chart must be completed and submitted with the bid or no later than two (2) business days after notification from the Issuing Office to furnish the information. Failure to complete this chart and provide the required information prior to the expiration of the second business day after notification shall result in the rejection of the bid.**

ITEM NUMBER	NAME OF MANUFACTURER	STATE (OR FOREIGN COUNTRY) OF MANUFACTURE

IV. BIDDER'S RESIDENCY

A. In determining whether the bidder is a nonresident bidder from a state that gives or requires a preference to bidders from that state, the address given on the first page of this invitation to bid shall be used by the Commonwealth. If that address is incorrect, or if no address is given, the correct address should be provided in the space below:

Correct Address: _____

- B.** In order to claim the preference provided under Section I.B., Pennsylvania resident bidders must complete the following or have such information on file with the Issuing Office:
1. Address of bidder's bona fide establishment in Pennsylvania at which it was transacting business on the date when bids for this contract/requisition were first solicited: _____
 2. **a.** If the bidder is a corporation:
 - (1) The corporation is or is not incorporated under the laws of the Commonwealth of Pennsylvania.
 - (a) If the bidder is incorporated under the laws of the Commonwealth of Pennsylvania, provide date of incorporation: _____
 - (b) If the bidder is not incorporated under the laws of the Commonwealth of Pennsylvania, it must have a certificate of authority to do business in the Commonwealth of Pennsylvania from the Pennsylvania Department of State as required by the Pennsylvania Business Corporation Law (15 P.S. §2001). Provide date of issuance of certificate of authority: _____
 - (2) The corporation is or is not conducting business in Pennsylvania under an assumed or fictitious name. If the bidder is conducting business under an assumed or fictitious name, it must register the fictitious name with the Secretary of the Commonwealth and the office of the prothonotary of the county wherein the registered office of such corporation is located as required by the Fictitious Corporate Name Act, as amended 15 P.S. §51 et seq. Corporate bidders conducting business under an assumed or fictitious name must provide date of registry of the assumed or fictitious name: _____
 - b.** If the bidder is a partnership:
 - (1) The partnership is or is not conducting business in Pennsylvania under an assumed or fictitious name. If the bidder is conducting business under an assumed or fictitious name, it must file with the Secretary of the Commonwealth and the office of the prothonotary the county wherein the principal place of business is located as required by the Fictitious Name Act of May 24, 1945, P.L. 967, as amended 54 P.S. §28.1. Partnerships conducting business under an assumed or fictitious name must provide the date of filing of the assumed or fictitious name with the Secretary of the Commonwealth: _____
 - (2) The partnership is or is not a limited partnership formed under the laws of any jurisdiction other than the Commonwealth of Pennsylvania. If the bidder is an Out-of-state limited partnership, it must register with the Pennsylvania Department of State as required by the Act of July 10, 1981, P.L. 237, as amended, 59 Pa. C.S.A. §503. Out-of-state limited partnerships must provide the date of registry with the Pennsylvania Department of State: _____
 - c.** If the bidder is an individual:

He or she is or is not conducting business under an assumed or fictitious name. If the bidder is conducting business under an assumed or fictitious name, he or she must file with the Secretary of the Commonwealth and the office of the prothonotary in the county wherein the principal place of business is located as required by the Fictitious Name Act of May 24, 1945, P.L. 967, as amended, 54 P.S. §28.1. Individuals conducting business under an assumed or fictitious name must provide the date of filing of the assumed or fictitious name with the Secretary of the Commonwealth: _____

TECHNICAL SPECIFICATIONS

The following stipulations, specifications and description of work are defined and described as Technical Specifications and it is understood and agreed that everything herein contained is hereby made part of the contract. Wherever any feature of the work is not fully set forth in these Technical Specifications, it must be understood that the same shall be governed by the rules of the best prevailing practice for that class of work, as determined by the Game Commission's Representative.

These Technical Specifications and any drawings, maps and/or plans forming a part thereof, will cover the furnishing of all labor, technical assistance, equipment, tools and materials necessary to perform the design and construction work, as required under this contract.

- Section 1 – Summary of Work
- Section 2 – Clearing and Grubbing
- Section 3 – Excavation
- Section 4 – Drain Pipe
- Section 5 – Parking Area Construction
- Section 6 – Erosion and Sedimentation Control
- Section 7 – Seeding

ATTACHMENTS

The following Attachments are included:

- 1 of 3 Location Map / General Notes / Details
- 2 of 3 Project Location Plan / Scope of Work
- 3 of 3 Soil Erosion and Sedimentation Controls

TECHNICAL SPECIFICATION SECTION 1 - SUMMARY OF WORK

1.1 – SCOPE OF PROJECT

The intent of this project is to construct hunter access parking areas at various separate locations on State Game Lands #86 in Deerfield and Brokenstraw Townships, Warren County. The project generally consists of clearing and grubbing activities, grading, construction of stabilized parking areas, and related work.

1.2 – WORK AREA

State Game Lands #86 is located west of the Allegheny River and north of Tidioute, PA. Project sites can be accessed via SR 3007 (Davey Road), Althom Road, and access roads on the game lands. The site is owned by the Pennsylvania Game Commission (PGC).

1.3 – WORK HOURS

The work hours at the project site are during regular PGC business hours which are Monday through Friday, 7:45AM to 4:00PM. Work during different hours must have prior written approval by the PGC. Requests for different working hours must be submitted in writing three days in advance.

1.4 – ACCESS TO WORK AREA

Access to the project sites and staging of equipment and materials shall be coordinated with the PGC. The Contractor shall keep access roads leading to the project sites open for use by the PGC. The Contractor is required to repair any ruts or other damage to the access roads and parking areas caused by construction equipment.

1.5 – CONTROL OF WORK AREA

Coordinate with PGC staff for access and control of work areas (closure of parking areas). Provide barricades, signs and other devices as needed to prevent unauthorized access to work areas (parking areas) until construction activities are completed and parking areas are opened for public use.

Do not block public roads at any time during construction. If necessary, provide temporary Maintenance and Control of Traffic in accordance with PennDOT Pub. 213 Temporary Traffic Control Guidelines and related PennDOT references.

1.6 – PERMITS, LAWS AND REGULATIONS

The Contractor shall procure and pay for all permits, licenses, inspections, conveniences, or other approvals necessary for the execution of the contract. The PGC is not aware of any permits required for this project.

The Contractor shall coordinate, acquire, pay for, and maintain for the duration of the project any and all permits or bonds required by local municipalities and/or PennDOT to utilize public roads for heavy hauling and related construction activities. Responsibilities shall include any pre or post construction inspections and related reports if required. Any and all costs related to permitting and bonding public roadways shall be included with and incidental to the Bid submitted by the Contractor and will not be paid for separately.

The Contractor shall comply with all laws, ordinances, rules, orders and regulations relating to the performance of the work, the protection of adjacent property, the maintaining of surface passageways, guard fences, and/or other protective facilities.

All applicable Federal and State laws and regulations, municipal ordinances and rules and regulations of all authorities, having jurisdiction over construction of the project shall apply to the contract throughout, and they shall be deemed to be included in the contract as a part, thereof, the same as though herein written out in full.

All regulations of the Occupational Safety and Health Act are in effect on this contract. It will be the Contractor's responsibility to make himself aware of all appropriate County, State and Federal regulations that apply to this contract.

Any violations incurred from improper execution of the above provisions shall be paid for by the Contractor. Loss of time on the project from such violations will not be tolerated.

TECHNICAL SPECIFICATION SECTION 2 – CLEARING AND GRUBBING

2.1 -SCOPE

This work includes incidental removal and disposal of trees, stumps, and vegetation in the project area necessary for the parking area construction and related work.

Clearing is cutting trees and brush so that stumps are no more than three inches above the ground. Grubbing is removal of stumps and roots at least twelve inches below finished grade.

2.2 - PROCEDURE

Review with PGC staff areas where clearing and grubbing will be necessary before commencing clearing and grubbing operations. Protect and do not damage any plants or trees, natural growth, or other objects outside the areas to be cleared and grubbed.

Cut down the trees and brush in the designated areas. Cut the trees and brush so that the stumps are no more than three inches above the ground. Stumps must also be removed from the areas designated to be grubbed.

Cleared and grubbed material shall be placed at the project site as directed by PGC staff. Burning is not permitted at the site.

2.3 - MEASUREMENT AND PAYMENT

None – No separate payment will be made for this item. This work shall be considered incidental to the other items of work in the project and included in the Bid and will not be measured and paid for separately.

TECHNICAL SPECIFICATION SECTION NO. 3 - EXCAVATION

3.1- SCOPE

This work includes grading and leveling sites and preparation of subgrade for placement of geotextile fabric and coarse aggregate, removal, hauling, and disposal of all materials encountered for construction of the project as required and directed by PGC staff.

3.2 - PROCEDURE

A. General - Follow all guidelines set forth in the Construction Industry Standards, OSHA 2207, of the Occupational Safety and Health Administration, U.S. Department of Labor. Protect the work, adjacent roadways, and property.

The Contractor shall contact the PA One Call System at 1-800-242-1776 prior to excavation operations at the site.

The Contractor shall coordinate with PGC staff to layout proposed parking areas. Do not over-excavate - unauthorized excavation and replacement of materials in the over-excavated areas will not be measured and paid for. Replace over-excavated work with concrete, gravel, earth or other materials designated by, and at no additional cost to the Game Commission.

B. Excavation - Remove all materials to the limits required for the new parking area construction.

C. Disposal – Suitable excavated materials can be used for backfilling and grading at the site. Unsuitable materials and excess excavated material shall be disposed of on-site as directed by PGC staff.

3.3 - MEASUREMENT AND PAYMENT

None – No separate payment will be made for this item. This work shall be considered incidental to the other items of work in the project and included in the Bid and will not be measured and paid for separately.

TECHNICAL SPECIFICATION SECTION NO. 4 – DRAIN PIPE

4.1 - SCOPE

This work is constructing drainage pipe as shown on the Drawings.

4.2 – MATERIALS

A. PennDOT No. 2A Coarse Aggregate – Coarse Aggregate - Coarse aggregate for the pipe bedding and backfill shall be PennDOT No. 2A as specified in Section 703.2 of PennDOT Pub. 408. Obtain the coarse aggregate from a source listed in PennDOT Bulletin 14.

B. Drain Pipe (Size as indicated on details and Scope of Work) – The drain pipe shall be high density polyethylene (HDPE) corrugated pipe conforming to the requirements of Section 601 of PennDOT Pub. 408. Pipe shall have a smooth interior and annular exterior corrugations. Pipe shall meet AASHTO M294, Type S or SP, ASTM F2306. Pipe joints shall be soil tight bell and spigot meeting the requirements of AASHTO M 294. Polyethylene shall conform with the minimum requirements of cell classification 435400C in accordance with ASTM D3350. Obtain the pipe from a source listed in PennDOT Bulletin 15.

4.3 - PROCEDURE

Coordinate with PGC staff and provide construction layout to determine elevations and set pipe inverts and slope to accommodate field conditions and provide positive drainage.

Construct drainage pipe in the dry in non-flow conditions. Excavate to the required depth, length and shape as shown on the details. Install pipe in accordance with manufacturer's written instructions. Provide coarse aggregate pipe bedding as shown to 12" above top of pipe. Backfill remaining trench with suitable excavated material. Compact suitable excavated material backfill in 8" lifts using hydraulically operated compaction equipment. Compaction will be considered adequate with no visible movement of material under compaction equipment.

4.4 - MEASUREMENT AND PAYMENT

None – No separate payment will be made for this item. This work shall be considered incidental to the other items of work in the project and included in the Bid and will not be measured and paid for separately.

TECHNICAL SPECIFICATION SECTION NO. 5 – PARKING AREA CONSTRUCTION

5.1 - SCOPE

This work includes providing geotextile fabric and coarse aggregate for construction of the stabilized parking areas.

5.2 - MATERIALS

- A. Coarse Aggregate - Coarse aggregate for the stabilized parking area construction shall be AASHTO No. 3 and PennDOT No. 2A as specified in Section 703.2 of PennDOT Pub. 408. Obtain the coarse aggregate from a source listed in PennDOT Bulletin 14.
- B. Geotextile Fabric – The geotextile fabric shall be Construction Class 4, Type A non-woven geotextile fabric material suitable for separation conforming to the requirements of Section 735, Table A of PennDOT Pub. 408. Obtain the geotextile fabric from a manufacturer listed in PennDOT Bulletin 15.

5.3 – PROCEDURE

- A. Place geotextile fabric and coarse aggregate in the dry.
- B. Fine grade the area to obtain the required slope and to remove any stones or obstructions which could puncture the separation fabric.
- C. Lay the separation fabric (geotextile) over the prepared areas. Provide at least 12-inches of overlap at seams in the fabric.
- D. Protect subgrade and geotextile fabric during coarse aggregate placement operations.
- E. Place, grade and compact No. 3 coarse aggregate in layers utilizing heavy equipment to achieve the minimum depth shown on the details.
- F. Place and grade 2A coarse aggregate surface in lifts with heavy equipment and compact with a 10 ton (minimum) single smooth drum vibratory roller to achieve the required minimum compacted depth shown on the details.
- G. Adequate compaction of coarse aggregate shall be determined based on visual observation and non-movement under heavy equipment loads during placement and compaction operations.

5.4 - MEASUREMENT AND PAYMENT

- A. **Square Foot (SF)** – Payment for parking area improvements shall be paid for based on the square foot (SF) for each separate parking area site completed. This unit price for

each site shall include all labor, equipment, materials, services, and incidental items required to complete that site including but not limited to erosion and sedimentation controls, clearing and grubbing operations, excavations, grading, geotextile fabric, coarse aggregate, drainage improvements, drainage pipe, pipe bedding and backfill, gate relocation, utility pole protection, seed and mulch and final restoration. Unit prices for each site shall include all costs for the items outlined on the General and Detailed Scope of Work on Drawing No. 2.

The Contractor shall provide copies of ALL coarse aggregate load slips provided by the aggregate supplier / hauler. Load slips shall include the following minimum information: 1) supplier, 2) contractor, 3) project name, 4) aggregate type, 5) quantity delivered (tons), 6) delivery date, and 7) specific delivery location.

TECHNICAL SPECIFICATION SECTION 6 - EROSION AND SEDIMENTATION CONTROL

6.1 -SCOPE

This work consists of implementing the soil erosion and sedimentation (E&S) control measures contained on the drawings and described herein. E&S control measures shall be implemented in accordance with the provisions of the Clean Streams Law and 25 Pennsylvania Code Chapter 102. The Pennsylvania Department of Environmental Protection Erosion and Sediment Program Pollution Control Manual as well as the Commonwealth of Pennsylvania Department of Transportation Publication 408 are the sources for the construction items described and referenced herein and incorporated into this plan.

6.2 – PROCEDURE

A. Project Description – The project sites are located throughout SGL #86 in Deerfield and Brokenstraw Townships, Warren County. The proposed project consists of parking area construction and related improvements to provide hunter access to SGL #86.

The estimated disturbed areas at the proposed parking area project sits are as follows:

1. No-Name Hollow Parking Area (41.79345, -79.28729) – 3,750 S.F.
2. Pennsylvania Hollow Parking Area (41.78408, -79.28743) – 4,250 S.F.
3. River Hill Parking Area (41.76769, -79.29081) – 4,000 S.F.
4. Station Run Parking Area (41.72851, -79.32997) – 5,000 S.F.
5. Hague Run Parking Area (41.71546, -79.34752) – 3,200 S.F.
6. Building Parking Area (41.69998, -79.35841) – 8,400 S.F.
7. Fill Farm Parking Area Reconstruction (41.74068, -79.3451) – 27,600 S.F.
8. McCauley Hill Parking Area Reconstruction (41.708, -79.38423) – 1,800 S.F.
9. Pipeline Parking Area Reconstruction (41.78666, -79.34197) – 4,000 S.F.
10. Becker Fields Parking Area Reconstruction (41.79431, -79.31986) – 5,000 S.F.

The individual project sites are non-contiguous and are at least 0.5 mile apart located throughout the game lands and are treated as separate sites for the purposes of this plan.

This Soil Erosion and Sedimentation Control Plan is designed to control soil erosion at its source and to prevent runoff flows from carrying sediment beyond the work area limits. The Contractor is responsible for the implementation and execution of this plan and for providing and maintaining proper soil erosion and sedimentation controls during the duration of the project until permanent stabilization conditions are achieved.

B. Stormwater Runoff and Drainage – The project sites consist of existing areas utilized for hunter access and are located throughout the undeveloped, rural, forested State Game Lands. Post construction runoff will reach existing drainage features and surface waters by way of overland flow consistent with existing conditions. Existing storm water flow at the individual sites will not be substantially altered as a result of the project. Existing drainage

features or facilities disturbed during construction shall be repaired or reconstructed by the Contractor.

Construction details are included with or referenced in the Contract Documents. Proposed parking areas will be graded as needed to suit existing site conditions and to accommodate access; however, finished contours for the proposed parking areas will not be substantially different than existing. Parking areas will be stabilized with coarse aggregate. All other disturbed areas will be restored to their pre-construction conditions.

Drainage from the site flows to the Allegheny River and tributaries to the Allegheny River (Chapter 93 designation: CWF).

- C. Soils Information / Limitations** - Soils information for the project is available from the U.S.D.A. Natural Resources Conservation Service soil survey information for Warren County, Pennsylvania. Soils information is not included in the attached report.

The Contractor shall provide appropriate excavation equipment and techniques to conduct earthwork operations required for the project. Separate unsuitable materials prior to compacting embankment fill.

Subsurface conditions from the NRCS Soil Survey have not been verified in the field by the PGC.

- D. Hydrology and Hydraulics** - Construction will not significantly affect the overall hydrology of the project sites. Vegetation clearing and grubbing and some grading work will be required for the parking area construction. Parking areas will be stabilized with coarse aggregate and all other disturbed areas and pre-construction drainage patterns will be restored after the construction activities have ended.

The Contractor shall provide and maintain E&S controls during construction as described herein and shown on the details to minimize the impact of runoff during rainfall events. Once the temporary impacts of construction have ended, the pre-existing hydrology will be re-established.

E. Erosion Control Measures -

1. General

- a.) Accelerated erosion control shall be accomplished through the rapid stabilization of all disturbed surfaces throughout the project area, use of Best Management Practices (BMPs), and precautions in the use of construction equipment.
- b.) During the earth disturbance activity, precautions must be taken to prevent accelerated erosion, minimize damage, injury or destruction of property; prevent pollution; protect natural vegetation not targeted for removal during the

activity/project; and protect natural drainage ways and surface waters. All disturbed areas shall be stabilized immediately.

- c.) The Contractor shall provide temporary erosion control measures as required and site conditions dictate to reduce the erosion potential of the site.

2. Temporary Stabilization

- a.) Provide temporary stabilization of disturbed areas as shown on the details.
- b.) At a minimum, all disturbed areas shall be temporarily restored and stabilized (mulched) within 4 days of the disturbance. Seed mixture and application rates are included in the specifications.

C. Permanent Stabilization

- a.) Permanent seeding and soil supplements shall be provided on disturbed and final graded areas during the germinating season as soon as practical but not than 15 days after disturbance. Generally, seeding and mulching shall be as per Section 804 of PennDOT Publication 408 and these specifications.
- b.) Provide permanent stabilization of disturbed areas as shown on the details and specified herein.
- c.) The project area will be considered permanently stabilized when all permanent control measures/facilities have been completed and are operational, all temporary control measures/facilities removed, and a minimum uniform 70% perennial vegetative cover, with a density capable of resisting accelerated erosion and sedimentation is established.

D. Maintenance

- a.) Maintain temporary control measures and facilities as shown on the details.
- b.) Sediment accumulation shall be removed and disposed of at approved locations. These locations shall be selected such that the sediment will not erode into the construction area or any natural waterway.
- c.) Stabilized coarse aggregate (stone or gravel) surfaces that become eroded shall be restored with additional coarse aggregate materials.
- d.) Any permanent seeded areas that become eroded shall be repaired / regraded, seeded, and new mulch applied.
- e.) If the vegetative cover deteriorates and becomes ineffective, a fertilization and re-seeding program shall be established and carried out as the construction

proceeds. Areas where failures have been experienced in the establishment of both permanent and temporary vegetative protection shall be promptly treated. Re-establishment of permanent vegetative cover shall be initiated as soon as possible.

- f.) After permanent site stabilization has been achieved, temporary erosion and sedimentation controls must be removed. Areas disturbed during removal of the control must be stabilized immediately. Re-grade areas as needed and seed and mulch using the permanent seeding schedule as indicated.

F. Recycling and Disposal of Construction Materials - All construction materials, including soils and aggregates, should be recycled and/or re-used to the greatest extent possible at the Project Site. Woody vegetation waste materials should be shredded/chipped for use on-site as mulch materials if possible. Other debris and other construction by-products, including waste pipe / fitting materials, metal, paper, plastic, cardboard, batteries, rubber, etc. shall be properly disposed of at a local recycling center or waste transfer/landfill site. The Contractor shall not disposal of waste materials on-site via burning or burial.

G. Waste Disposal Sites - Excess excavated material shall be properly and legally disposed of off-site or as directed by the PGC. The contractor shall provide appropriate soil erosion and sedimentation controls for the waste sites and they shall be stabilized. Provision of E&S controls at disposal sites is considered incidental to construction.

H. Failure to implement soil erosion and sediment pollution control measures may result in a cease and desist order, causing shutdown of the work. No extension of time, nor additional compensation will be granted if such a shutdown should occur as a result of act or neglect of the Contractor.

6.3 - MEASUREMENT AND PAYMENT

None – No separate payment will be made for this item. This work shall be considered incidental to the other items of work in the project and included in the Bid and will not be measured and paid for separately.

TECHNICAL SPECIFICATION SECTION 7 - SEEDING

7.1 - SCOPE

This work is securing a satisfactory stand of grass and permanent stabilization at disturbed areas or where directed by the PGC, and includes preparation of the seed bed, furnishing and placing lime and fertilizer, furnishing and sowing of seed, mulching, and maintaining and tending the seeded areas.

7.2 - APPLICABLE ACTS AND PUBLICATIONS

Bulletin 15 - Approved Construction Materials, Pennsylvania Department of Transportation.
Publication 408 - Specifications, Pennsylvania Department of Transportation.

7.3 - MATERIALS

A - Grass Seed - Use Formula B grass seed on flat areas. Use Formula D grass seed mix on the backstop slopes, side berm slopes, and borrow site. Use Formula E for temporary seeding to control erosion during construction. Seed mixes shall conform to Section 804.2(b) of Pub. 408. No seed shall contain Canada Thistle, Field Bindweed, Johnson Grass, Perennial Sowthistle, Quackgrass, Horse Nettle, Bedstraw, Corncockle, Brassica Kaber, Brassica Nigra, Wild Onion, or Wild Garlic.

With the approval of and at no additional cost to the PGC, annual ryegrass seed may be added to the mixture to secure a cover crop.

Deliver premixed seed in bags or other suitable containers, each fully labeled with the name, trademark, and warranty of the producer and with the mixture type, weed seed percentage, purity percentage, germination percentage, and mix formula or composition.

Do not use seed which has become wet, moldy, or otherwise damaged in transit or storage, has a mix date older than 9 months prior to seeding, or has a test date older than 6 months prior to seeding.

B - Fertilizer - Use dry formulation of 10-20-20-analysis. Fertilizer shall be delivered in bags or other suitable containers, each fully labeled and bearing the name, trademark, and warranty of the producer.

C - Lime - Conform to Section 804.2(a).1 of Pub.408.

D – Inoculant – Conform to Section 804.2(c) of Pub. 408.

E - Mulches - Mulches shall be free from mature seedbearing stalks or roots of prohibited or noxious weeds as defined by law. Do not use mulches which are cut into lengths of less than 6 inches.

Mulches shall be either one or a combination of the following, shall contain no stems of tobacco, soybeans, or other coarse or woody materials.

1. - Hay - Timothy hay, mixed clover and timothy hay, or other approved native or forage grasses, well-cured to less than 20 percent moisture content by weight.

2. - Straw - Either wheat or oat straw, and reasonably free of viable seeds, well-cured to less than 20 percent moisture content by weight.

3. - Wood Fiber - Use wood fiber meeting the requirements of Section 805.2(a).1.c of Pub. 408.

4. - Pellet Mulch - Use pellet mulch meeting the requirements of Section 805.2(a).1.d of Pub. 408.

F - Mulch Binders - Use one of the following mulch binders in accordance with Section 805.2(b) of Pub. 408. Use Recycled Cellulose Fiber, Wood Fiber, Non-asphaltic Emulsion, Polyvinyl Acetate, or a Mixture of Recycled Cellulose Wood Fiber and Wood Fiber. Obtain binders from a producer listed in Bulletin 15.

G - Water - Water shall be fresh and free from injurious amounts of oil, acid, alkali, salts, or other materials harmful to the growth of grass.

H - Topsoil - Acceptable friable loam that is reasonably free of subsoil, clay lumps, brush, roots, weeds, other objectionable vegetation, stones, other foreign material larger than 2 inches in any dimension, litter, and/or other material unsuitable or harmful to plant growth in accordance with Section 801.2 (a) and 802.2 of Pub. 408.

7.4 - PROCEDURE

Follow the procedures specified below and as listed in Section 804.3 of Pub. 408. The amounts of seed, lime, fertilizer and mulch specified are the minimum acceptable. Employ modifications if they are deemed necessary, at no additional cost to the PGC, and accept full responsibility for obtaining a satisfactory stand of grass.

A - Topsoil Furnished and Placed - Reference Section 802 of Pub. 408. Provide topsoil as shown on the drawings and as required to restore disturbed areas. Grade the areas to be covered by topsoil. Using acceptable methods, loosen soil to a depth of 2 inches before placing the topsoil. Remove stones and other foreign material 2 inches or larger in any dimension. Remove and satisfactorily dispose of unsuitable and surplus material. Place topsoil on the prepared areas and, unless otherwise indicated, spread and compact to a 4-inch uniform depth $\pm 1 \frac{1}{2}$ inches. Compact with a roller having a weight not over 120 pounds per foot width of roller or by other acceptable methods, as directed. Remove over-depth topsoil, unless otherwise agreed upon in writing. Do not place topsoil in a wet or frozen condition.

B - Sowing - Sow the seed mixture on a still day at a rate specified in Section 804.2 of Pub. 408. Sow by hand or by approved sowing equipment in 2 applications, one-half the seed while the seeder is traveling in one direction and the other half while the seeder is traveling at right

angle to the first direction. After sowing, rake, cultipack, or brush drag the surface very lightly, just deep enough to cover the seeds. Rake only in a direction parallel to the contour lines.

C - Mulching - After sowing is completed, spread mulch uniformly over the entire seeded area at a rate of 3 tons (dry weight) per acre. The mulch shall be moist at the time of placement.

Apply wood fiber mulch hydraulically in accordance with the manufacturer's tank-mixing instructions. Wood fiber mulch may be incorporated into the slurry after the seed and soil supplements have been thoroughly mixed. Apply wood fiber mulch at a rate of 800 Lbs. per acre unless otherwise indicated by the manufacturer.

On slopes 6:1 or flatter, apply pellet mulch by hand or using a mechanical spreader immediately after seeding, at a rate of 2,615 Lbs. per acre. Thoroughly wet pellet mulch with water without dislodging mulch.

To prevent loss or bunching by wind and to form a soil-binding mulch, anchor the moist mulch to the soil with a mulch binder. Use mulch binders at the following rates:

Recycled Cellulose Fiber - 775 Lbs./Acre

Wood Fiber - 775 Lbs./Acre

Mixture of Recycled Cellulose Fiber and Wood Fiber - 775 Lbs./Acre

Non-asphaltic Emulsion - Manufacturer's Recommended Rate

Polyvinyl Acetate - Manufacturer's Recommended Rate

On slopes where machinery cannot be used, retain the mulch in place by some suitable means which will not be detrimental to subsequent operations.

7.5 - MAINTENANCE

At no additional cost to the PGC, maintain the seeded areas until all work under the Contract has been completed and accepted by the PGC. Maintenance shall include refilling rain-washed gullies, reseeding, reapplying fertilizer, lime and mulch, and removal of large and noxious weeds, as directed by the PGC.

7.6 - MEASUREMENT AND PAYMENT

None – No separate payment will be made for this item. This work shall be considered incidental to the other items of work in the project and included in the Bid and will not be measured and paid for separately.