

PENNSYLVANIA GAME COMMISSION

**SGL #13
PAINTER RUN ROAD PROJECT**

Northeast Region
Davidson Township, Sullivan County

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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 – In accordance with the *Contract Terms and Conditions*, the Contractor is required to have in place during the term of the Contract and any renewals or extensions thereof, the following types of insurance, issued by companies acceptable to the Commonwealth and authorized to conduct such business under the laws of the Commonwealth of Pennsylvania:

- A. **Worker's Compensation Insurance** for all of the Contractor's employees and those of any subcontractor, engaged in Work at the site of the project as required by law.

- B. **Public Liability and Property Damage Insurance** to protect the Commonwealth, the Contractor, and any and all subcontractors from claims for damages for personal injury (including bodily injury), sickness or disease, accidental death and damage to property including the loss of use resulting from any property damage, which may arise from the activities performed under the Contract or the failure to perform under the Contract, whether such performance or non-performance be by the Contractor, by any subcontractor, or by anyone directly or indirectly employed by either. **The minimum amounts of coverage shall be \$250,000 per person and \$1,000,000 per occurrence for bodily injury, including death, and \$250,000 per person and \$1,000,000 per occurrence for property damage.** Such policies shall be occurrence rather than claims-made policies and shall not contain any endorsements or any other form designated to limit and restrict any action by the Commonwealth, as an additional insured, against the insurance coverage in regard to Work performed for the Commonwealth.

Prior to commencement of the Work under the Contract and at each insurance renewal date during the term of the Contract, the Contractor shall provide the Commonwealth with current certificates of insurance. **These certificates or policies shall name the Commonwealth AND Pennsylvania Game Commission as additional insured and shall contain a provision that the coverage's afforded under the policies will not be cancelled or changed until at least thirty (30) days written notice has been given to the Commonwealth.**

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 complete 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 any and all temporary facilities necessary to execute and protect the Work. The Contractor shall accept all conditions as found upon examination of the site and shall coordinate, plan, and execute the Work accordingly. The Contractor shall cooperate in the arrangements of the Work as necessary to least affect the administration or operations of existing buildings, facilities, and infrastructure. The Contractor shall keep the Work site clean at all times.

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.

INVOICING – All Project invoices shall be submitted directly to:

Foster Schaffer, Engineering Consultant
Pennsylvania Game Commission
2001 Elmerton Avenue
Harrisburg, PA 17110
Office: 717-787-4250, ext. 73322
Email: c-fschaffe@pa.gov

All invoices must be submitted in black and white with no color and shaded areas. Invoices must include the Purchase Order Number, Contractor’s SAP Vendor Number, and the Contractor’s

name and address as listed on the Purchase Order. Payment items on invoices shall match the items on the Purchase Order. Failure to submit invoices that meet these requirements will result in a delay of payment.

Please Note: Vendors are reminded to **NOT** include employer identification numbers, Social Security Numbers, bank account information, or other personally identifiable information on their invoices. That information is uniquely tied to your SAP Vendor Number and, for security purposes, should not be explicitly stated on an invoice.

CONTRACT TERM - The Contract shall commence upon delivery of Purchase Order to Contractor (estimated to be March 25, 2024) and shall terminate on **June 28, 2024**. Contract time is of the essence of the Project. All Work must be completed and accepted by this 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** and a **Payment Bond** in a form acceptable to the Commonwealth for the amounts listed below and in accordance with the *Contract Terms and Conditions*.

A **Performance Bond** at one hundred percent (100%) of the contract amount, conditioned upon the faithful performance of the contract in accordance with the plans, specifications and conditions of the contract.

A **Payment Bond** in an amount equal to one hundred percent (100%) of the contract amount.

Performance and Payment Bonds shall be executed by a surety company authorized to do business in the Commonwealth and listed on the current U.S. Dept. of Treasury, Bureau of Fiscal Service, Department Circular 570 (<https://fiscal.treasury.gov/surety-bonds/list-certified-companies.html>). Bonds shall include a current Power of Attorney dated the same as the date of the bond. Bonds shall be made payable to the Commonwealth.

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.

HOLD HARMLESS PROVISION - See *Contract Terms and Conditions* - The Contractor shall hold the Commonwealth harmless from and indemnify the Commonwealth against any and all third party claims, demands and actions based upon or arising out of any activities performed by the Contractor and its employees and agents under this Contract, provided the Commonwealth gives Contractor prompt notice of any such claim of which it learns.

ADDITIONAL PROVISIONS -

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 with the bid.
4. **Worker Protection and Investment Certification Form** - The BOP-2201 form is attached. The Contractor shall complete the certification on the bottom of the form and submit it with the bid.

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

Project Name:	State Game Lands #13 Painter Run Road
Awarding Agency:	PA Game Commission
Contract Award Date:	2/21/2024
Serial Number:	24-00562
Project Classification:	Heavy/Highway
Determination Date:	1/19/2024
Assigned Field Office:	Scranton
Field Office Phone Number:	(570)963-4577
Toll Free Phone Number:	(877)214-3962
Project County:	Sullivan County

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

Project: 24-00562 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	7/1/2022		\$35.83	\$20.67	\$56.50
Asbestos & Insulation Workers	7/1/2023		\$37.08	\$21.92	\$59.00
Asbestos & Insulation Workers	7/1/2024		\$37.08	\$24.92	\$62.00
Asbestos & Insulation Workers	7/1/2025		\$37.08	\$28.17	\$65.25
Boilermakers	1/1/2023		\$51.27	\$35.30	\$86.57
Boilermakers	1/1/2024		\$52.10	\$35.72	\$87.82
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	4/30/2023		\$35.06	\$21.52	\$56.58
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	4/28/2024		\$36.91	\$21.52	\$58.43
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/4/2025		\$38.76	\$21.52	\$60.28
Carpenters - Piledriver/Welder	1/1/2023		\$40.63	\$21.22	\$61.85
Carpenters - Piledriver/Welder	1/1/2024		\$42.13	\$21.97	\$64.10
Carpenters - Piledriver/Welder	1/1/2025		\$43.38	\$22.72	\$66.10
Carpenters - Piledriver/Welder	1/1/2026		\$44.63	\$23.47	\$68.10
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2023		\$35.06	\$17.72	\$52.78
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2024		\$36.56	\$17.72	\$54.28
Cement Finishers & Plasterers	4/30/2023		\$28.23	\$22.27	\$50.50
Cement Finishers & Plasterers	4/28/2024		\$30.23	\$22.27	\$52.50
Cement Finishers & Plasterers	5/4/2025		\$32.23	\$22.27	\$54.50
Cement Finishers & Plasterers	5/3/2026		\$34.23	\$22.27	\$56.50
Cement Masons	6/1/2023		\$37.13	\$14.50	\$51.63
Drywall Finisher	5/1/2023		\$31.24	\$23.58	\$54.82
Electricians	6/1/2023		\$36.84	\$25.20	\$62.04
Electricians	6/1/2024		\$37.43	\$26.47	\$63.90
Elevator Constructor	1/1/2023		\$56.46	\$38.36	\$94.82
Elevator Constructor	1/1/2024		\$58.88	\$43.90	\$102.78
Glazier	5/1/2023		\$31.23	\$20.66	\$51.89
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2021		\$34.01	\$31.13	\$65.14
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2023		\$36.26	\$31.38	\$67.64
Laborers (Class 01 - See notes)	5/1/2023		\$24.25	\$20.28	\$44.53
Laborers (Class 02 - See notes)	5/1/2023		\$26.25	\$20.28	\$46.53
Laborers (Class 03 - See notes)	5/1/2023		\$26.72	\$20.28	\$47.00
Laborers (Class 04 - See notes)	5/1/2023		\$28.22	\$20.28	\$48.50
Laborers (Class 05 - See notes)	5/1/2023		\$28.72	\$20.28	\$49.00
Laborers (Class 06 - See notes)	5/1/2023		\$27.02	\$20.28	\$47.30
Marble Mason	5/1/2023		\$34.80	\$17.74	\$52.54
Marble Mason	5/1/2024		\$36.75	\$17.74	\$54.49
Marble Mason	5/1/2025		\$38.70	\$17.74	\$56.44
Millwright	5/1/2020		\$36.04	\$19.31	\$55.35
Millwright	6/1/2023		\$39.21	\$22.95	\$62.16
Millwright	6/1/2024		\$41.07	\$22.95	\$64.02

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

Project: 24-00562 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Millwright	6/1/2025		\$43.00	\$22.95	\$65.95
Millwright	6/1/2026		\$44.97	\$22.95	\$67.92
Operators (Building, Class 01 - See Notes)	5/1/2023		\$42.57	\$29.24	\$71.81
Operators (Building, Class 01A - See Notes)	5/1/2023		\$44.82	\$29.90	\$74.72
Operators (Building, Class 02 - See Notes)	5/1/2023		\$42.29	\$29.15	\$71.44
Operators (Building, Class 02A - See Notes)	5/1/2023		\$44.54	\$29.82	\$74.36
Operators (Building, Class 03 - See Notes)	5/1/2023		\$39.57	\$28.34	\$67.91
Operators (Building, Class 04 - See Notes)	5/1/2023		\$38.42	\$28.02	\$66.44
Operators (Building, Class 05 - See Notes)	5/1/2023		\$37.97	\$27.89	\$65.86
Operators (Building, Class 06 - See Notes)	5/1/2023		\$37.10	\$27.62	\$64.72
Operators (Building, Class 07A- See Notes)	5/1/2023		\$51.63	\$33.34	\$84.97
Operators (Building, Class 07B- See Notes)	5/1/2023		\$51.28	\$33.24	\$84.52
Painters Class 1 (see notes)	5/1/2023		\$29.98	\$23.28	\$53.26
Painters Class 2 (see notes)	5/1/2023		\$33.58	\$23.58	\$57.16
Painters Class 3 (see notes)	5/1/2023		\$40.18	\$23.58	\$63.76
Pile Driver Divers (Building, Heavy, Highway)	1/1/2023		\$58.70	\$21.22	\$79.92
Pile Driver Divers (Building, Heavy, Highway)	1/1/2024		\$60.95	\$21.97	\$82.92
Pile Driver Divers (Building, Heavy, Highway)	1/1/2025		\$62.82	\$22.72	\$85.54
Pile Driver Divers (Building, Heavy, Highway)	1/1/2026		\$64.70	\$23.47	\$88.17
Piledrivers	1/1/2023		\$39.13	\$21.22	\$60.35
Piledrivers	1/1/2024		\$40.63	\$21.97	\$62.60
Piledrivers	1/1/2025		\$41.88	\$22.72	\$64.60
Piledrivers	1/1/2026		\$43.13	\$23.47	\$66.60
Plasterers	6/1/2023		\$37.81	\$13.90	\$51.71
Plumber/Pipefitter	5/1/2023		\$41.36	\$29.72	\$71.08
Plumbers and Steamfitters	12/1/2021		\$46.24	\$22.07	\$68.31
Plumbers and Steamfitters	12/1/2023		\$49.39	\$23.67	\$73.06
Roofers	5/1/2023		\$32.75	\$21.61	\$54.36
Sheet Metal Workers	5/1/2023		\$35.04	\$29.82	\$64.86
Sign Makers and Hangars	7/15/2022		\$30.54	\$24.35	\$54.89
Sign Makers and Hangars	7/15/2023		\$31.76	\$24.63	\$56.39
Sprinklerfitters	4/1/2023		\$44.33	\$28.04	\$72.37
Terrazzo Finisher	5/1/2023		\$35.79	\$19.25	\$55.04
Terrazzo Finisher	5/1/2024		\$37.16	\$19.26	\$56.42
Terrazzo Grinder	5/1/2023		\$36.54	\$19.25	\$55.79
Terrazzo Grinder	5/1/2024		\$37.92	\$19.26	\$57.18
Terrazzo Mechanics	5/1/2023		\$36.51	\$21.00	\$57.51
Terrazzo Mechanics	5/1/2024		\$37.94	\$21.01	\$58.95
Tile & Marble Finisher	5/1/2023		\$32.91	\$15.49	\$48.40
Tile & Marble Finisher	5/1/2024		\$34.86	\$15.49	\$50.35
Tile & Marble Finisher	5/1/2025		\$36.81	\$15.49	\$52.30
Tile Setter	5/1/2023		\$34.80	\$17.74	\$52.54
Tile Setter	5/1/2024		\$36.75	\$17.74	\$54.49
Tile Setter	5/1/2025		\$38.70	\$17.74	\$56.44

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

Project: 24-00562 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Truckdriver class 1(see notes)	5/1/2021		\$37.72	\$0.00	\$37.72
Truckdriver class 2 (see notes)	5/1/2021		\$37.79	\$0.00	\$37.79
Truckdriver class 3 (see notes)	5/1/2021		\$38.28	\$0.00	\$38.28
Window Film / Tint Installer	6/1/2019		\$24.52	\$12.08	\$36.60

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

Project: 24-00562 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter	5/1/2023		\$35.32	\$19.09	\$54.41
Carpenter	5/1/2024		\$36.12	\$19.79	\$55.91
Carpenter	5/1/2025		\$36.87	\$20.49	\$57.36
Carpenter	5/1/2026		\$37.63	\$21.18	\$58.81
Carpenter Welder	5/1/2023		\$36.07	\$19.09	\$55.16
Carpenter Welder	5/1/2024		\$36.87	\$19.79	\$56.66
Carpenter Welder	5/1/2025		\$37.62	\$20.49	\$58.11
Carpenter Welder	5/1/2026		\$38.38	\$21.18	\$59.56
Carpenters - Piledriver/Welder	1/1/2023		\$36.07	\$19.09	\$55.16
Carpenters - Piledriver/Welder	1/1/2024		\$36.87	\$19.79	\$56.66
Carpenters - Piledriver/Welder	1/1/2025		\$37.62	\$20.49	\$58.11
Carpenters - Piledriver/Welder	1/1/2026		\$38.38	\$21.18	\$59.56
Cement Finishers	6/1/2016		\$32.43	\$11.35	\$43.78
Electric Lineman	8/29/2022		\$62.66	\$28.08	\$90.74
Electric Lineman	9/4/2023		\$64.68	\$29.01	\$93.69
Electric Lineman	1/1/2024		\$64.46	\$29.23	\$93.69
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2021		\$34.01	\$31.13	\$65.14
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2023		\$36.26	\$31.38	\$67.64
Laborers (Class 01 - See notes)	5/1/2023		\$24.81	\$18.99	\$43.80
Laborers (Class 01 - See notes)	5/1/2024		\$25.61	\$19.49	\$45.10
Laborers (Class 02 - See notes)	5/1/2023		\$31.43	\$18.99	\$50.42
Laborers (Class 02 - See notes)	5/1/2024		\$32.23	\$19.49	\$51.72
Laborers (Class 03 - See notes)	5/1/2023		\$28.42	\$18.99	\$47.41
Laborers (Class 03 - See notes)	5/1/2024		\$29.22	\$19.49	\$48.71
Laborers (Class 04 - See notes)	5/1/2023		\$28.77	\$18.99	\$47.76
Laborers (Class 04 - See notes)	5/1/2024		\$29.57	\$19.49	\$49.06
Laborers (Class 05 - See notes)	5/1/2023		\$29.44	\$18.99	\$48.43
Laborers (Class 05 - See notes)	5/1/2024		\$30.24	\$19.49	\$49.73
Laborers (Class 06 - See notes)	5/1/2023		\$28.86	\$18.99	\$47.85
Laborers (Class 06 - See notes)	5/1/2024		\$29.66	\$19.49	\$49.15
Laborers (Class 07 - See notes)	5/1/2023		\$29.15	\$18.99	\$48.14
Laborers (Class 07 - See notes)	5/1/2024		\$29.95	\$19.49	\$49.44
Laborers (Class 08 - See notes)	5/1/2023		\$29.63	\$18.99	\$48.62
Laborers (Class 08 - See notes)	5/1/2024		\$30.43	\$19.49	\$49.92
Millwright	6/1/2023		\$41.51	\$23.33	\$64.84
Millwright	6/1/2024		\$43.46	\$23.33	\$66.79
Millwright	6/1/2025		\$45.46	\$23.33	\$68.79
Millwright	6/1/2026		\$47.52	\$23.33	\$70.85
Operators (Heavy, Class 01 - See Notes)	5/1/2022		\$39.98	\$27.98	\$67.96
Operators (Heavy, Class 01 - See Notes)	5/1/2023		\$41.14	\$28.82	\$69.96
Operators (Heavy, Class 01A - See Notes)	5/1/2021		\$40.69	\$28.18	\$68.87
Operators (Heavy, Class 01A - See Notes)	5/1/2022		\$42.23	\$28.64	\$70.87
Operators (Heavy, Class 01A - See Notes)	5/1/2023		\$43.39	\$29.48	\$72.87

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

Project: 24-00562 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Heavy, Class 02 - See Notes)	5/1/2021		\$38.16	\$27.43	\$65.59
Operators (Heavy, Class 02 - See Notes)	5/1/2022		\$39.70	\$27.89	\$67.59
Operators (Heavy, Class 02 - See Notes)	5/1/2023		\$40.86	\$28.73	\$69.59
Operators (Heavy, Class 02A - See Notes)	5/1/2021		\$40.41	\$28.10	\$68.51
Operators (Heavy, Class 02A - See Notes)	5/1/2022		\$41.95	\$28.56	\$70.51
Operators (Heavy, Class 02A - See Notes)	5/1/2023		\$43.11	\$29.40	\$72.51
Operators (Heavy, Class 03 - See Notes)	5/1/2021		\$35.24	\$26.57	\$61.81
Operators (Heavy, Class 03 - See Notes)	5/1/2022		\$36.78	\$27.03	\$63.81
Operators (Heavy, Class 03 - See Notes)	5/1/2023		\$37.95	\$27.86	\$65.81
Operators (Heavy, Class 04 - See Notes)	5/1/2021		\$34.10	\$26.24	\$60.34
Operators (Heavy, Class 04 - See Notes)	5/1/2022		\$35.65	\$26.69	\$62.34
Operators (Heavy, Class 04 - See Notes)	5/1/2023		\$36.80	\$27.54	\$64.34
Operators (Heavy, Class 05 - See Notes)	5/1/2021		\$33.65	\$26.11	\$59.76
Operators (Heavy, Class 05 - See Notes)	5/1/2022		\$35.20	\$26.56	\$61.76
Operators (Heavy, Class 05 - See Notes)	5/1/2023		\$36.35	\$27.41	\$63.76
Operators (Heavy, Class 06 - See Notes)	5/1/2021		\$32.77	\$25.84	\$58.61
Operators (Heavy, Class 06 - See Notes)	5/1/2022		\$34.31	\$26.31	\$60.62
Operators (Heavy, Class 06 - See Notes)	5/1/2023		\$35.48	\$27.14	\$62.62
Operators (Heavy, Class 07A - See Notes)	5/1/2021		\$46.59	\$31.37	\$77.96
Operators (Heavy, Class 07A - See Notes)	5/1/2022		\$48.45	\$31.91	\$80.36
Operators (Heavy, Class 07A - See Notes)	5/1/2023		\$49.93	\$32.83	\$82.76
Operators (Heavy, Class 07B - See Notes)	5/1/2022		\$48.10	\$31.81	\$79.91
Operators (Heavy, Class 07B - See Notes)	5/1/2023		\$49.58	\$32.73	\$82.31
Operators (Highway, Class 01 - See Notes)	5/1/2021		\$39.10	\$25.70	\$64.80
Operators (Highway, Class 01 - See Notes)	5/1/2022		\$39.10	\$27.70	\$66.80
Operators (Highway, Class 01 - See Notes)	5/1/2023		\$40.25	\$28.55	\$68.80
Operators (Highway, Class 01a - See Notes)	5/1/2021		\$41.35	\$26.38	\$67.73
Operators (Highway, Class 01a - See Notes)	5/1/2022		\$41.35	\$28.38	\$69.73
Operators (Highway, Class 01a - See Notes)	5/1/2023		\$42.50	\$29.23	\$71.73
Operators (Highway, Class 02 - See Notes)	5/1/2021		\$37.93	\$25.35	\$63.28
Operators (Highway, Class 02 - See Notes)	5/1/2022		\$37.93	\$27.35	\$65.28
Operators (Highway, Class 02 - See Notes)	5/1/2023		\$39.08	\$28.20	\$67.28
Operators (Highway, Class 03 - See Notes)	5/1/2021		\$37.23	\$25.16	\$62.39
Operators (Highway, Class 03 - See Notes)	5/1/2022		\$37.23	\$27.15	\$64.38
Operators (Highway, Class 03 - See Notes)	5/1/2023		\$38.39	\$27.99	\$66.38
Operators (Highway, Class 04 - See Notes)	5/1/2021		\$36.77	\$25.03	\$61.80
Operators (Highway, Class 04 - See Notes)	5/1/2022		\$36.77	\$27.03	\$63.80
Operators (Highway, Class 04 - See Notes)	5/1/2023		\$37.94	\$27.86	\$65.80
Operators (Highway, Class 05 - See Notes)	5/1/2021		\$36.26	\$24.87	\$61.13
Operators (Highway, Class 05 - See Notes)	5/1/2022		\$36.26	\$26.88	\$63.14
Operators (Highway, Class 05 - See Notes)	5/1/2023		\$37.42	\$27.72	\$65.14
Operators (Highway, Class 06 - See Notes)	5/1/2021		\$39.33	\$25.78	\$65.11
Operators (Highway, Class 06 - See Notes)	5/1/2022		\$39.33	\$27.77	\$67.10
Operators (Highway, Class 06 - See Notes)	5/1/2023		\$40.48	\$28.62	\$69.10

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

Project: 24-00562 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Highway, Class 06/A - See Notes)	5/1/2021		\$41.58	\$26.43	\$68.01
Operators (Highway, Class 06/A - See Notes)	5/1/2022		\$41.58	\$28.43	\$70.01
Operators (Highway, Class 06/A - See Notes)	5/1/2023		\$42.73	\$29.28	\$72.01
Operators (Highway, Class 07/A - See Notes)	5/1/2021		\$47.08	\$29.49	\$76.57
Operators (Highway, Class 07/A - See Notes)	5/1/2022		\$47.38	\$31.59	\$78.97
Operators (Highway, Class 07/A - See Notes)	5/1/2023		\$48.86	\$32.51	\$81.37
Operators (Highway, Class 07/B - See Notes)	5/1/2021		\$45.66	\$29.08	\$74.74
Operators (Highway, Class 07/B - See Notes)	5/1/2022		\$45.97	\$31.17	\$77.14
Operators (Highway, Class 07/B - See Notes)	5/1/2023		\$47.44	\$32.10	\$79.54
Painters Class 2 (see notes)	5/1/2020		\$31.53	\$20.71	\$52.24
Painters Class 3 (see notes)	5/1/2020		\$37.63	\$20.71	\$58.34
Pile Driver Divers (Building, Heavy, Highway)	1/1/2021		\$54.75	\$20.10	\$74.85
Pile Driver Divers (Building, Heavy, Highway)	1/1/2022		\$56.40	\$20.50	\$76.90
Piledrivers	5/1/2023		\$35.32	\$19.09	\$54.41
Piledrivers	5/1/2024		\$36.12	\$19.79	\$55.91
Piledrivers	5/1/2025		\$36.87	\$20.49	\$57.36
Piledrivers	5/1/2026		\$37.63	\$21.18	\$58.81
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2022		\$48.43	\$40.28	\$88.71
Truckdriver class 1(see notes)	5/1/2021		\$37.72	\$0.00	\$37.72
Truckdriver class 2 (see notes)	5/1/2021		\$37.79	\$0.00	\$37.79
Truckdriver class 3 (see notes)	5/1/2021		\$38.28	\$0.00	\$38.28

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: _____



WORKER PROTECTION AND INVESTMENT CERTIFICATION FORM

A. Pursuant to Executive Order 2021-06, *Worker Protection and Investment*. (October 21, 2021), the Commonwealth is responsible for ensuring that every worker in Pennsylvania has a safe and healthy work environment and the protections afforded them through labor laws. To that end, contractors and grantees of the Commonwealth must certify that they are in compliance with Pennsylvania's Unemployment Compensation Law, Workers' Compensation Law, and all applicable Pennsylvania state labor and workforce safety laws including, but not limited to:

1. Construction Workplace Misclassification Act
2. Employment of Minors Child Labor Act
3. Minimum Wage Act
4. Prevailing Wage Act
5. Equal Pay Law
6. Employer to Pay Employment Medical Examination Fee Act
7. Seasonal Farm Labor Act
8. Wage Payment and Collection Law
9. Industrial Homework Law
10. Construction Industry Employee Verification Act
11. Act 102: Prohibition on Excessive Overtime in Healthcare
12. Apprenticeship and Training Act
13. Inspection of Employment Records Law

B. Pennsylvania law establishes penalties for providing false certifications, including contract termination; and three-year ineligibility to bid on contracts under 62 Pa. C.S. § 531 (Debarment or suspension).

CERTIFICATION

I, the official named below, certify I am duly authorized to execute this certification on behalf of the contractor/grantee identified below, and certify that the contractor/grantee identified below is compliant with applicable Pennsylvania state labor and workplace safety laws, including, but not limited to, those listed in Paragraph A, above. I understand that I must report any change in the contractor/grantee's compliance status to the Purchasing Agency immediately. I further confirm and understand that this Certification is subject to the provisions and penalties of 18 Pa. C.S. § 4904 (Unsworn falsification to authorities).

<i>Signature</i>	<i>Date</i>
<i>Name (Printed)</i>	
<i>Title of Certifying Official (Printed)</i>	
<i>Contractor/Grantee Name (Printed)</i>	

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 and is necessary for the completion of Work, it shall be understood that the same is governed by the rules of the best prevailing practice for that class of Work, as determined by the Pennsylvania Game Commission and its representatives.

These Technical Specifications and any drawings, maps and/or plans forming a part thereof, will cover the furnishing of all labor, equipment, tools, materials, and related items necessary to perform the Work, as required under this Contract.

- Section 1 – Summary of Work
- Section 2 – E&S Control
- Section 3 – Remove Existing Pipes
- Section 4 – Plastic Pipe
- Section 5 – Pipe Bedding and Backfill
- Section 6 – Precast Concrete Headwalls
- Section 7 – Riprap Splash Pads
- Section 8 – Road Surface Preparation
- Section 9 – Geotextile and Geogrid
- Section 10 – Road Construction
- Section 11 – Seeding

DRAWINGS

The following drawings are included:

- 1 of 3 - Location Map, Site Map and Notes
- 2 of 3 – Road Sections
- 3 of 3 – Drainage Pipe Details

TECHNICAL SPECIFICATION SECTION 1 - SUMMARY OF WORK

1.1 – SCOPE OF PROJECT

This project involves the maintenance of a 6,696-foot (1.27-miles) long section of Painter Run Road on State Game Lands (SGL) #13. The project includes grading, pipe installation, geotextile and geogrid placement, road base construction and related work.

1.2 – WORK AREA

SGL #13 is located in south central Sullivan County. The east end of the project site is located approximately 1.5-miles east of the intersection with Elk Grove Road (SR 2003) in Davidson Township, Sullivan County. The project on Painter Run Road stretches 1.27-miles west along an existing cleared alignment.

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.

This project is on state game lands; work is prohibited the following days.

- a. All Saturdays in the months of October, November and December
- b. All the days of the statewide bear season
- c. The entire two weeks of the general firearms deer season
- d. The opening day of the flintlock muzzleloader season
- e. The opening day and all Saturdays during Spring turkey season including youth Spring gobbler

1.4 – ACCESS TO WORK AREA

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

The work area is on an existing PGC road. The work area can only be accessed from the east using an existing stone/dirt surface road which connects to a dirt/stone surface public road (Elk Grove Road).

1.5 – CONTROL OF WORK AREA

Coordinate with PGC staff for access and control of work areas. Provide barricades, signs and other devices as needed to prevent unauthorized access to work 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 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.

1.7 – ROAD PERMITS AND BONDING

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 and infrastructure for heavy hauling and related construction activities. Responsibilities shall include any pre or post construction inspections and related reports if required. All costs related to permitting and bonding public roadways and infrastructure shall be included with and incidental to the Bid submitted by the Contractor and will not be paid for separately.

1.8 – PROJECT LAYOUT

The project has a stationed layout listed in Section 10 of the Technical Specifications. Features of the road design can be located using stations of existing features. The PGC may also provide some stakes with station markings to further assist in project layout.

The PGC will have a representative at the work site for some days during construction. This representative will serve as a construction inspector checking the work including confirming the contractor's layout of project features.

**TECHNICAL SPECIFICATION SECTION 2 - EROSION AND
SEDIMENTATION CONTROL**

2.1 -SCOPE

This work is implementing the erosion and sedimentation control measures during project construction. Compliance with Chapter 102 of the Department of Environmental Protection's regulations is also required.

2.2 - PROCEDURE

Implement the measures listed below to alleviate excessive erosion and sedimentation caused by construction methods or equipment.

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.

Installation of new culverts must be accomplished under "no-flow" conditions. Installation of pipes must be accomplished the same day and the new culverts must be completely installed with the proper headwalls to prevent erosion.

Immediately upon completion of any segment of the project, seed that segment in accordance with Technical Specification Section 11. The Contractor may, with the approval of the Game Commission, perform temporary seeding operations in order to maintain finished graded areas until the optimum time for performing permanent seeding.

Periodically remove accumulated sediments from control measures and dispose of in suitable work areas.

2.3 - MEASUREMENT AND PAYMENT

None, costs are incidental to the other work performed.

TECHNICAL SPECIFICATION SECTION NO. 3 – REMOVE EXISTING PIPES

3.1 - SCOPE

This work is removing and disposing of the existing drainage pipes under the road.

3.2 - PROCEDURE

The Contractor must contact PA 1 Call (Dial 811) before excavation for pipe removal operations begin.

It is required that the pipe removal operations be conducted when there is no water flowing in the drainage channels. Excavate around the existing pipes so that they can be safely removed. Limit the excavation to only what is necessary for pipe removal and for installation of the new drainage pipes. Backfill of excavation beyond the 12-inch limits for the new pipe foundation bedding will not be measured or paid for.

Carefully remove the existing pipes in one complete piece so the pipe can be salvaged and reused. The removed pipe is to be placed along the new road to be picked up by the PGC maintenance crew.

Material excavated for pipe removal is not to be used for backfill of the new pipes. Excess material is to be graded into the roadsides to improve the shoulders of the road.

3.3 - MEASUREMENT AND PAYMENT

Each; regardless of size, type and length of pipe. No separate measurement or payment for excavation.

TECHNICAL SPECIFICATION SECTION 4 – PLASTIC PIPE

4.1 -SCOPE

This work is furnishing and installing drainage pipes under the roadway. Refer to project layout in Section 10.2 of the Technical Specifications for the pipe locations.

4.2 – MATERIALS

The plastic pipe shall be 15-inch diameter corrugated polyethylene with smooth interior conforming to AASHTO M 294, Type S.

4.3 - PROCEDURE

Clear any rocks or vegetation from the area that would interfere with installation of the new pipes. Excavate a shallow trench according to the dimensions shown on the Drawings. Most pipe installations are to be installed at the existing grade at the site and backfilled to provide the proper minimum cover.

Prepare the bedding area for the pipe and install so that a positive drainage slope in the pipe is obtained. Under the new roadway, backfill the entire trench with 2RC select granular material as shown on the Drawings. On road shoulders, backfill over the pipe with excavated material. Do not allow stones greater than 3-inches to come in contact with the pipe. Do not allow equipment to cross over the pipe until at least one foot of cover is obtained over the top of the pipe. All pipes must have a minimum 12-inches of cover.

Install precast concrete headwalls on both ends of the pipes. Refer to Section 6 of these Technical Specifications and the drawings for construction of the headwalls. Place riprap splash pads on the downstream end of the new pipes. Perform minor grading operations on both ends of the new pipes so that proper flow patterns are established.

Perform additional grading operations in drainage channels leading to the drainage pipes. Remove any blockages from the drainage channels to ensure that storm drainage flows to the inlets of the drainage pipes.

4.4 - MEASUREMENT AND PAYMENT

Linear feet. No separate measurement or payment for coupling or joining pipe sections. No separate measurement or payment for excavation and grading operations associated with pipe installation. No separate measurement or payment for grading operations in the drainage channels.

TECHNICAL SPECIFICATION SECTION NO. 5 – PIPE BEDDING & BACKFILL

5.1 - SCOPE

This work is constructing a foundation bed and backfilling the drainage pipes as shown on the Drawings.

5.2 - APPLICABLE PUBLICATIONS

AASHTO T 27 - Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates.

Pub. 408 - Specifications,
Pennsylvania Department of Transportation.

Bulletin 14 - Aggregate Producers,
Pennsylvania Department of Transportation.

5.3 - MATERIALS

Aggregate used for constructing the foundation bed and backfilling drainage pipes shall be 2RC select granular material, as specified in Section 703.3 of Pub. 408.

Obtain aggregates from a source listed in Bulletin 14.

5.4 - PROCEDURE

Excavate the trenches to the dimensions shown on the drawings for installation of the new pipe culverts. Place stone in the dry, and not on frozen ground for foundation bedding of the new drainage pipes.

Place the stone in layers and shape the stone to conform to the pipe shape. Place the pipe and compact around the pipe to remove any voids in the stone. Compaction of the stone shall be considered satisfactory on the basis of non-movement of the materials under compaction equipment. Compact the stone to provide a firm base for road surfacing operations.

5.5 - MEASUREMENT AND PAYMENT

Cubic yards, measured by the three-dimensional volume method.

Aggregate used for replacing caved-in-material, and material excavated beyond the established payment lines will not be measured and paid for.

TECHNICAL SPECIFICATION SECTION NO. 6 – PRECAST CONCRETE HEADWALLS

6.1 - SCOPE

This work is installing precast concrete headwalls for the new drainage pipes as shown on the Drawings. Refer to the project layout in Section 10.2 of the Technical Specifications for information on the location of each new drainage pipe.

6.2 - MATERIALS

The precast concrete headwalls shall be single piece units with the following characteristics;

1. Concrete – 4,000 psi at 28 days with 5.5% air entrainment.
2. Reinforcement – ASTM 615, grade 60 with minimum cover of 1-1/2 inches.
3. All exposed edges are chamfered at 1-inch.
4. Materials and construction to comply with the applicable portions PennDOT Publication 408.
5. Layout and dimensions to be comparable to the attached drawings with minimum 12-inch thick walls with an integral footer.

All new pipes are corrugated plastic pipe with smooth interiors. The headwalls are to be constructed to fit this type of pipe.

6.3 - PROCEDURE

Excavate the trench for the new drainage pipe at the proper location. Prepare the subgrade for the headwalls on both ends of the excavated trench. Place the precast concrete headwalls on the subgrade. The PGC recommend placing a small amount of #2A coarse aggregate on the subgrade so that the headwalls can be placed level and stable. Make sure that the headwalls are placed at the proper elevations so that a minimum slope of 3-inches per 10-feet is achieved in the drainage pipes.

The corrugations on the ends of the pipes can be removed to obtain proper fit inside the precast concrete headwalls. Insert the drainage pipes in the headwalls. Complete the backfill of the drainage pipes to lock them in place. Grout any voids around the pipes. Use a non-shrink grout with a minimum compressive strength of 4,000 psi.

6.4 - MEASUREMENT AND PAYMENT

Each.

TECHNICAL SPECIFICATION SECTION NO. 7 – RIPRAP SPLASH PADS

7.1 - SCOPE

This work is installing riprap splash pads at the outlets of the new drainage pipes.

7.2 – MATERIALS

A. R-4 Riprap – Rock for R-4 riprap shall be durable quality stone conforming to the requirements of Section 850.2a of PennDOT Pub. 408. Obtain the riprap from a source listed in PennDOT Bulletin 14.

B. Geotextile – The geotextile shall be Class2, Type A geotextile conforming to the requirements of Section 735 of PennDOT Pub. 408. Obtain the geotextile from a source listed in PennDOT Bulletin 15.

7.3 - PROCEDURE

Conduct riprap placement operations in the dry. Install the drainage pipes and precast concrete headwalls before placing riprap. Excavate, shape and grade the area to assist with proper placement of the geotextile and riprap if necessary. Place the geotextile across the bottom and up the sides of the prepared area. Secure the geotextile if necessary. Place riprap on top of the geotextile carefully so that the fabric is not punctured. Rearrange the individual stones so that the thickness of the placement is 12-inches. Chink voids in the riprap with smaller stones.

7.4- MEASUREMENT AND PAYMENT

Square yards, measured by the two-dimensional area method. No separate measurement or payment for excavation or geotextile.

**TECHNICAL SPECIFICATION SECTION NO. 8 – ROAD SURFACE
PREPARATION**

8.1- SCOPE

This work is preparing the existing ground on the road alignment by cutting and filling with a dozer and/or grader and compacting as shown on the Drawings.

8.2 - PROCEDURE

A. General – All work in this section should be coordinated to provide the designed features of the new road surface. These features include the even base, road widths, drainage improvements and other grading required to connect to existing drainage features.

The road surface preparation shall be 16-feet or 14-feet wide centered on the existing cleared alignment and roadway.

B. Removing Leaf Litter and Debris – Remove the leaf litter and other forest debris from the existing ground surface. Blow the material off the roadway alignment and down the slope. Knock down and grade off any high spots along the edges of the road alignment so that drainage is not trapped against the edges of the road.

C. Cutting and Filling – After removing the leaf litter and debris, cut the upslope portion of the road section to obtain material to fill the downslope portion. The finished surface should be even across the road alignment.

D. Grading and Compacting – Grade and smooth the scarified material to provide an even surface for placement of the geotextile and geogrid. A 120 to 150 hp motor grader with a 12' moldboard should be used for this work. Compact the scarified material with a single drum smooth roller (vibratory, 10-ton min.). One pass with the roller is sufficient.

8.3 - MEASUREMENT AND PAYMENT

Square yards, measured by the two-dimensional area method for the length of each road section at the specified widths.

TECHNICAL SPECIFICATION SECTION NO. 9 – GEOTEXTILE AND GEOGRID

9.1 - SCOPE

This work is installing geotextile and geogrid on the prepared road surface.

9.2 – MATERIALS

A. Geotextile – The geotextile fabric shall be Class 2, Type A woven geotextile conforming to the requirements of Section 735 of PennDOT Pub. 408. Obtain the geotextile from a manufacturer listed in PennDOT Bulletin 15.

B. Geogrid – The geogrid for reinforcement of the subgrade shall be biaxial grid fabricated from high molecular weight polyester multifilament yarns finished with a PVC coating conforming to the requirements of Section 738 of PennDOT Pub. 408. Obtain the geogrid from a manufacturer listed in PennDOT Bulletin 15. The geogrid must have the following characteristics;

Tensile Strength (at ultimate) ASTM D6637 – 2,500lbs./ft. (MD &CD)
Tensile Modulus (at 1% strain) ASTM D6637 – 37,500lbs./ft. (MD & CD)
UV Resistance (at 500 hours) ASTM D4355 – 70% strength retained
Aperture Size – 1 inch by 1.3 inches

9.3 - PROCEDURE

Grade the area flat and level from side to side but not end to end. Fine grade the area to obtain the required shape and to remove any stones or obstructions which could puncture the geotextile.

Lay the geotextile over the prepared areas. Provide at least 12-inches of overlap at seams in the fabric. Place the geogrid over the geotextile. Secure the geotextile and geogrid with metal pins to prevent displacement while spreading the base material.

9.4 - MEASUREMENT AND PAYMENT

A. Geotextile – Square yards measured the two-dimensional area method. This measurement does not include extra fabric at the seam overlaps.

B. Geogrid – Square yards measured the two-dimensional area method. This measurement does not include extra fabric at the overlaps.

TECHNICAL SPECIFICATION SECTION NO. 10 – ROAD CONSTRUCTION

10.1 - SCOPE

This work is constructing the new road on the existing alignment with a layer of base material on the geotextile and geogrid as shown on the Drawings.

10.2 – PROJECT LAYOUT

This project on Painter Run Road is 6,696-feet (1.27-miles) long. The west end of the project is at the intersection with another PGC access road (Sta. 0+00). The east end of the project is approximately 1.5-miles west of the intersection of Painter Run Road and Elk Grove Road (Sta. 66+96). All new drainage pipes are 15-inch diameter corrugated plastic 30-feet long unless noted. Precast concrete headwalls are to be placed on the upstream and downstream ends of the new pipes. Place riprap splash pads on the downstream ends of the new pipes.

0+00 – WEST END OF PROJECT. Start 24-inch thick road base at 16-feet wide. Install an 80-foot long drainage pipe across the road intersection.

2+58 – Install new drainage pipe.

4+99 – Install new drainage pipe.

6+35 – Install new drainage pipe.

8+19 – Install new drainage pipe.

10+11 – Install new drainage pipe.

12+12 – Install new drainage pipe.

13+64 – Install new drainage pipe.

15+44 – Install new drainage pipe.

16+64 – Install new drainage pipe.

18+90 – Install new drainage pipe.

20+73 – Install new drainage pipe.

22+10 – Install new drainage pipe.

23+58 – Install new drainage pipe.

25+40 – Install new drainage pipe.

27+76 – Install new drainage pipe.

29+87 – Install new drainage pipe.

32+45 – Install new drainage pipe.

34+27 – Start 12-inch thick road base at 14-feet wide. Install new drainage pipe.

35+79 – Install new drainage pipe.

36+88 – Install new drainage pipe.

39+37 – West end of existing bridge.

39+77 – East end of existing bridge.

39+87 – Install new drainage pipe.

40+89 – Install new drainage pipe.

43+45 – Install new drainage pipe.

48+69 – Install new drainage pipe.

53+26 – Install new drainage pipe.

55+82 – Install new drainage pipe.

66+96 – EAST END OF PROJECT.

10.3– MATERIALS

Road Base Material – The road base material shall be AASHTO #3 Stone conforming to the requirements of Section 703.2 of PennDOT Pub. 408. #2A coarse aggregate can be added to the AASHTO #3 Stone to facilitate grading and compaction. The mixed material must also conform to the requirements of Section 703.2 of PennDOT Pub. 408.

Obtain the road base material from a source listed in PennDOT Bulletin 14. Representatives from the PGC will visit the quarry to review and approve the road base material. Do not deliver any road base material to the site until the PGC has approved the material and source.

10.4 - PROCEDURE

A. General – Complete the pipe installations and drainage work first in conjunction with placement of the geotextile and geogrid.

Place the base material for the full length of the road starting from the east end and progressing west.

B. Road Base Material – Place material for the full width shown on the Drawings in a uniform horizontal layers. Compact the material with tracked equipment or roller. Compaction of the material will be considered adequate based upon non-movement of materials under compaction equipment. Place additional layer(s) to achieve the specified thicknesses as shown on the Drawings. Place “finer” material on the top surface to allow for easier grading and shaping for placement of the road surface stone. The top surface of the road base material should be graded smooth and even.

11.5 - MEASUREMENT AND PAYMENT

A. General – **The quantity for payment is for the compacted in-place volume.** Payment for the road base material will be for the compacted volume calculated on the dimensions shown on the Drawings, not by loose volumes or tonnage. The Contractor is required to provide copies of all material weigh slips to the PGC for verification and comparison purposes only.

B. Road Base Material – Cubic yards, measured by the three-dimensional volume method.

TECHNICAL SPECIFICATION SECTION NO. 11 – SEEDING

11.1 - SCOPE

This work is securing a satisfactory stand of grass at all disturbed areas along the roadway including the drainage turnouts and includes preparation of the seed bed, furnishing and placing fertilizer, furnishing and sowing of seed, mulching, and maintaining and tending the seeded areas.

11.2 - MATERIALS

A – Seed Mixture – The seed mixture shall be the following;

- Crimson Clover (5 pounds per acres)
- Ladino or White Clover (5 pounds per acres)
- Oats or Seasonal Wheat (50 pounds per acres)

B - Fertilizer - Fertilizer shall conform to the applicable act specified in Section 804.2 of Pub. 408. Use dry formulation of 10-20-20-analysis.

C - Mulches – Straw; no paper mulch.

11.3 - PROCEDURE

Follow the procedures specified below. The amounts of seed, fertilizer and mulch specified are the minimum acceptable. The Game Commission may, at its own expense, test the soils to determine if any modifications to the seed and soil requirements are necessary. Employ such modifications if they are deemed necessary, at no additional cost to the Game Commission, and accept full responsibility for obtaining a satisfactory stand of grass.

A - Preparation of Seed Bed by Shallow Tilling - After the areas to be seeded have been graded and approved by the Game Commission, thoroughly till the surfaces to a depth of 3 inches by raking, harrowing, or other approved means. Apply fertilizer at a rate of 300 Lbs. per acre. Make sure that the fertilizer is worked thoroughly into the soil to a depth of 3 inches and the tillage operations are sufficient to insure that the soil conditions are satisfactory for seeding. Smooth and bring the area to grade. Immediately prior to sowing, rake the soil to a depth of 3/4 inch. Rake in a direction parallel to the contour lines on the slope, and not uphill or downhill. Remove all sticks, stones, weeds, roots, and other objectionable materials appearing on the surface. Maintain the surface in a true and even condition during sowing of seed. The seeded surface must be as smooth as the surrounding grassed area.

B - Sowing - Sow the seed mixture on a still day at a rate specified in Section 11.2 of these Technical Specifications. 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.

You may use hydroseeding or grain drilling, provided all methods and equipment are approved by the Game Commission. In case of hydroseeding, you may apply fertilizer and limestone at the time of

sowing. In case of grain drilling, you may apply fertilizer at the time of sowing, provided the fertilizer does not come in contact with the seed. Drill only in a direction parallel to the contour lines.

Do not sow seed on frozen or partially frozen ground.

C - Mulching - After sowing is completed, spread mulch uniformly over the entire seeded area at a rate of 2 tons (dry weight) per acre. The mulch shall be moist at the time of placement.

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

11.4 - MEASUREMENT AND PAYMENT

Lump Sum.