# PENNSYLVANIA GAME COMMISSION

# SGL #107 SHADE MOUNTAIN ROAD MAINTENANCE PROJECT

South Central Region Decatur Township, Mifflin 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:

<u>INSURANCE REQUIREMENTS</u> – 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.
- В. 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.

<u>COMPLIANCE WITH LAW</u> — 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.

<u>CONTRACT TERM</u> - The Contract shall commence upon delivery of Purchase Order to Contractor (estimated to be July 10, 2023) and shall terminate on **September 29, 2023**. 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.

<u>PERFORMANCE SECURITY / CONTRACT BONDS</u> — 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.

<u>GUARANTY</u> / <u>WARRANTY</u> – 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 within two days after the bid opening.
- 4. **Worker Protection and Investment Certification Form** The form is attached. The Contractor shall complete the certification on the bottom of the form and submit it within two days after the bid opening.

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Project Name:	State Game Lands #107 Shade Mountain Road
Awarding Agency:	PA Game Commission
Contract Award Date:	6/7/2023
Serial Number:	23-04247
Project Classification:	Heavy/Highway
Determination Date:	5/3/2023
Assigned Field Office:	Altoona
Field Office Phone Number:	(814)940-6224
Toll Free Phone Number:	
Project County:	Mifflin County
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Project: 23-04247 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	6/28/2021		\$35.80	\$28.26	\$64.06
Asbestos & Insulation Workers	7/27/2022		\$35.80	\$30.01	\$65.81
Asbestos & Insulation Workers	6/26/2023		\$35.80	\$32.01	\$67.8
Asbestos & Insulation Workers	7/1/2024		\$35.80	\$34.06	\$69.86
Boilermaker (Commercial, Institutional, and Minor Repair Work)	1/1/2019		\$29.26	\$18.48	\$47.74
Boilermakers	1/1/2021		\$49.32	\$34.90	\$84.22
Boilermakers	1/1/2022		\$50.17	\$35.30	\$85.47
Boilermakers	1/1/2023		\$51.27	\$35.30	\$86.57
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/1/2021		\$32.76	\$19.77	\$52.53
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/1/2022		\$33.16	\$21.52	\$54.68
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, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2021		\$30.77	\$16.89	\$47.66
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2022		\$32.05	\$17.87	\$49.92
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2023		\$33.01	\$18.41	\$51.42
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2024		\$33.97	\$18.95	\$52.92
Cement Finishers & Plasterers	5/2/2021		\$27.25	\$20.25	\$47.5
Cement Finishers & Plasterers	4/30/2023		\$28.23	\$22.27	\$50.5
Cement Finishers & Plasterers	4/28/2024		\$30.23	\$22.27	\$52.5
Cement Finishers & Plasterers	5/4/2025		\$32.23	\$22.27	\$54.5
Cement Finishers & Plasterers	5/3/2026		\$34.23	\$22.27	\$56.5
Cement Masons	2/1/2021		\$29.24	\$17.90	\$47.1
Cement Masons	1/1/2022		\$29.74	\$18.55	\$48.2
Cement Masons	1/1/2023		\$30.24	\$19.20	\$49.4
Drywall Finisher	6/1/2021		\$30.50	\$20.56	\$51.06
Drywall Finisher	6/1/2022	2	\$31.50	\$21.06	\$52.56
Electricians	6/1/2022		\$35.25	\$26.31	\$61.56
Electricians	6/1/2023		\$37.00	\$26.67	\$63.6
Electricians	6/1/2024		\$37.00	\$30.51	\$67.5
Electricians	6/1/2025		\$37.00	\$32.50	\$69.50
Elevator Constructor	1/1/2021		\$49.95	\$40.35	\$90.30
Elevator Constructor	1/1/2022		\$51.66	\$37.48	\$89.1
Elevator Constructor	1/1/2023		\$53.93	\$38.34	\$92.2
Glazier	9/1/2021		\$24.55	\$23.05	\$47.6
Glazier	9/1/2023		\$24.90	\$24.45	\$49.3
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2021		\$34.01	\$31.13	\$65.14

Commonwealth of Pennsylvania Report Date: 5/3/2023

Project: 23-04247 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers (Class 01 - See notes)	1/1/2021		\$21.47	\$17.29	\$38.76
Laborers (Class 01 - See notes)	1/1/2022		\$23.81	\$17.29	\$41.10
Laborers (Class 01 - See notes)	1/1/2023		\$25.31	\$17.29	\$42.60
Laborers (Class 01 - See notes)	1/1/2024		\$26.31	\$17.79	\$44.10
Laborers (Class 02 - See notes)	1/1/2021		\$22.22	\$17.29	\$39.51
Laborers (Class 02 - See notes)	1/1/2022		\$26.06	\$17.29	\$43.35
Laborers (Class 02 - See notes)	1/1/2023		\$28.06	\$17.29	\$45.35
Laborers (Class 02 - See notes)	1/1/2024	,	\$29.56	\$17.79	\$47.35
Laborers (Class 03 - See notes)	1/1/2021		\$22.32	\$17.29	\$39.61
Laborers (Class 03 - See notes)	1/1/2022		\$25.66	\$17.29	\$42.95
Laborers (Class 03 - See notes)	1/1/2023		\$27.66	\$17.29	\$44.95
Laborers (Class 03 - See notes)	1/1/2024		\$28.66	\$17.79	\$46.45
Laborers (Class 04 - See notes)	1/1/2021		\$20.47	\$17.29	\$37.76
Laborers (Class 04 - See notes)	1/1/2022		\$22.81	\$17.29	\$40.10
Laborers (Class 04 - See notes)	1/1/2023		\$24.31	\$17.29	\$41.60
Laborers (Class 04 - See notes)	1/1/2024		\$25.31	\$17.79	\$43.10
Landscape Laborer (Skilled)	1/1/2020		\$21.64	\$16.98	\$38.62
Landscape Laborer (Tractor Operator)	1/1/2020		\$21.94	\$16.98	\$38.92
Landscape Laborer	1/1/2020		\$21.22	\$16.98	\$38.20
Marble Mason	5/1/2021		\$31.55	\$17.34	\$48.89
Marble Mason	5/1/2022		\$32.85	\$17.74	\$50.59
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	6/1/2020		\$41.68	\$20.32	\$62.00
Operators (Class 01 - see notes)	7/1/2021		\$32.47	\$20.32	\$52.79
Operators (Class 01 - see notes)	7/1/2022		\$34.17	\$20.62	\$54.79
Operators (Class 01 - see notes)	7/1/2023		\$35.87	\$20.92	\$56.79
Operators (Class 01 - see notes)	7/1/2024		\$36.87	\$21.42	\$58.29
Operators (Class 02 -see notes)	7/1/2021		\$27.85	\$20.32	\$48.17
Operators (Class 02 -see notes)	7/1/2022		\$29.55	\$20.62	\$50.17
Operators (Class 02 -see notes)	7/1/2023		\$31.25	\$20.92	\$52.17
Operators (Class 02 -see notes)	7/1/2024		\$32.87	\$21.42	\$54.29
Operators (Class 03 - See notes)	7/1/2021		\$26.30	\$20.32	\$46.62
Operators (Class 03 - See notes)	7/1/2022		\$27.00	\$20.62	\$47.62
Operators (Class 03 - See notes)	7/1/2023		\$28.70	\$20.92	\$49.62
Operators (Class 03 - See notes)	7/1/2024		\$29.70	\$21.42	\$51.12
Operators (Class 04 - Chief of Party (Surveying and Layout))	7/1/2016		\$23.65	\$16.77	\$40.42
Operators (Class 04 - Chief of Party (Surveying and Layout))	7/1/2022		\$26.60	\$20.62	\$47.22
Operators (Class 04 - Chief of Party (Surveying and Layout))	7/1/2023		\$28.30	\$20.92	\$49.22
Operators (Class 04 - Chief of Party (Surveying and Layout))	7/1/2024		\$29.30	\$21.42	\$50.72
Operators (Class 04 - Instrument Person (Surveying &	7/1/2016		\$22.65	\$16.77	\$39.42 Department of

Commonwealth of Pennsylvania Report Date: 5/3/2023

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Layouty)	Project: 23-04247 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Layoutly	Layout))					
Layoutly		7/1/2022		\$25.60	\$20.62	\$46.22
Layoutl)		7/1/2023		\$27.30	\$20.92	\$48.22
Operators (Class 04 - Rodman/Chainman (Surveying and Layoutt)		7/1/2024		\$28.30	\$21.42	\$49.72
Operators (Class 04 - Rodman/Chainman (Surveying and Layout))		7/1/2016		\$22.20	\$16.77	\$38.97
Operators (Class 04 - Rodman/Chainman (Surveying) and Layouth)		7/1/2022		\$25.15	\$20.62	\$45.77
Painters Class 6 (see notes)		7/1/2023		\$26.85	\$20.92	\$47.77
Painters Class 6 (see notes)         6/1/2022         \$29.50         \$22.82         \$52           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$54.75         \$20.10         \$74           Pile Driver Divers (Building, Heavy, Highway)         1/1/2022         \$66.40         \$20.50         \$76           Pile Driver Divers (Building, Heavy, Highway)         1/1/2023         \$58.70         \$21.22         \$79           Pile Driver Divers (Building, Heavy, Highway)         1/1/2024         \$60.95         \$21.97         \$82           Pile Driver Divers (Building, Heavy, Highway)         1/1/2025         \$62.82         \$22.72         \$85           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$64.70         \$23.47         \$88           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$64.70         \$23.47         \$88           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$36.50         \$20.10         \$56           Pile Driver Divers (Building, Heavy, Highway)         1/1/2022         \$37.60         \$20.50         \$58           Piledrivers         1/1/2022         \$37.60         \$20.50         \$58           Piledrivers         1/1/2023         \$39.13         \$21.22         \$60      <		7/1/2024		\$27.85	\$21.42	\$49.27
Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$54.75         \$20.10         \$74           Pile Driver Divers (Building, Heavy, Highway)         1/1/2022         \$56.40         \$20.50         \$76           Pile Driver Divers (Building, Heavy, Highway)         1/1/2024         \$69.95         \$21.22         \$79           Pile Driver Divers (Building, Heavy, Highway)         1/1/2024         \$60.95         \$21.97         \$82           Pile Driver Divers (Building, Heavy, Highway)         1/1/2025         \$62.82         \$22.72         \$85           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$66.95         \$22.17         \$85           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$36.60         \$20.10         \$66           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$36.60         \$20.10         \$66           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$36.60         \$20.10         \$66           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$36.00         \$20.10         \$66           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$36.00         \$20.10         \$66           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021	Painters Class 6 (see notes)	6/1/2021		\$29.15	\$21.89	\$51.04
Pile Driver Divers (Building, Heavy, Highway)         1/1/2022         \$56.40         \$20.50         \$76           Pile Driver Divers (Building, Heavy, Highway)         1/1/2023         \$58.70         \$21.22         \$79           Pile Driver Divers (Building, Heavy, Highway)         1/1/2024         \$60.95         \$21.97         \$82           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$62.82         \$22.72         \$55           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$64.70         \$23.47         \$88           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$66.82         \$22.72         \$55           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$66.470         \$23.47         \$88           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$66.470         \$23.47         \$88           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$36.50         \$20.10         \$56           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$36.60         \$20.10         \$56           Pile Driver Divers (Building, Heavy, Highway)         1/1/2021         \$33.60         \$21.21         \$60           Pile drivers         1/1/2026         \$41.83	Painters Class 6 (see notes)	6/1/2022		\$29.50	\$22.82	\$52.32
Pile Driver Divers (Building, Heavy, Highway)         1/1/2023         \$58.70         \$21.22         \$79           Pile Driver Divers (Building, Heavy, Highway)         1/1/2024         \$60.95         \$21.97         \$82           Pile Driver Divers (Building, Heavy, Highway)         1/1/2025         \$62.82         \$22.72         \$85           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$64.70         \$23.47         \$88           Piledrivers         1/1/2021         \$36.50         \$20.10         \$56           Piledrivers         1/1/2022         \$37.60         \$20.50         \$58           Piledrivers         1/1/2023         \$39.13         \$21.22         \$60           Piledrivers         1/1/2023         \$39.13         \$21.22         \$60           Piledrivers         1/1/2024         \$40.63         \$21.97         \$62           Piledrivers         1/1/2025         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$43.13         \$23.47         \$66           Plasterers         6/1/2021         \$29.20         \$12.96         \$42           Plasterers         6/1/2021         \$38.77         \$28.46         \$67           Plumber/Pipefitter	Pile Driver Divers (Building, Heavy, Highway)	1/1/2021		\$54.75	\$20.10	\$74.85
Pile Driver Divers (Building, Heavy, Highway)         1/1/2024         \$60.95         \$21.97         \$82           Pile Driver Divers (Building, Heavy, Highway)         1/1/2025         \$62.82         \$22.72         \$85           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$64.70         \$23.47         \$88           Piledrivers         1/1/2021         \$36.50         \$20.10         \$56           Piledrivers         1/1/2022         \$37.60         \$20.50         \$58           Piledrivers         1/1/2023         \$39.13         \$21.22         \$60           Piledrivers         1/1/2024         \$40.63         \$21.97         \$62           Piledrivers         1/1/2025         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$43.13         \$21.97         \$62           Piledrivers         1/1/2026         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$43.13         \$23.47         \$66           Piledrivers         1/1/2026         \$43.13         \$23.47         \$66           Piledrivers         1/1/2026         \$43.13<	Pile Driver Divers (Building, Heavy, Highway)	1/1/2022		\$56.40	\$20.50	\$76.90
Pile Driver Divers (Building, Heavy, Highway)         1/1/2025         \$62.82         \$22.72         \$85           Pile Driver Divers (Building, Heavy, Highway)         1/1/2026         \$64.70         \$23.47         \$88           Piledrivers         1/1/2021         \$36.50         \$20.10         \$56           Piledrivers         1/1/2022         \$37.60         \$20.50         \$58           Piledrivers         1/1/2023         \$39.13         \$21.22         \$60           Piledrivers         1/1/2024         \$40.63         \$21.97         \$62           Piledrivers         1/1/2025         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$43.13         \$23.47         \$66           Piledrivers         1/1/2021         \$29.20         \$12.96         \$42           Piledrivers         1/1/2021         \$33.77         \$28.46         \$67           Plasterers         6/1/2021         \$33.77         \$28.46	Pile Driver Divers (Building, Heavy, Highway)	1/1/2023		\$58.70	\$21.22	\$79.92
Pile Driver (Building, Heavy, Highway)         1/1/2026         \$64.70         \$23.47         \$88           Piledrivers         1/1/2021         \$36.50         \$20.10         \$56           Piledrivers         1/1/2022         \$37.60         \$20.50         \$58           Piledrivers         1/1/2023         \$39.13         \$21.22         \$60           Piledrivers         1/1/2024         \$40.63         \$21.97         \$62           Piledrivers         1/1/2025         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$43.13         \$23.47         \$66           Plasterers         6/1/2021         \$29.20         \$12.96         \$42           Plasterers         6/1/2021         \$29.05         \$13.61         \$43           Plumber/Pipefilter         5/1/2021         \$38.77         \$28.46         \$67           Plumber/Pipefilter         5/1/2022         \$40.28         \$28.70         \$68           Plumber/Pipefilter         5/1/2022         \$40.28         \$28.70         \$68           Plumber/Pipefilter         5/1/2022         \$40.28         \$28.70         \$68           Plumber/Pipefilter         5/1/2023         \$41.36         \$29.72         \$	Pile Driver Divers (Building, Heavy, Highway)	1/1/2024		\$60.95	\$21.97	\$82.92
Piledrivers         1/1/2021         \$36.50         \$20.10         \$56           Piledrivers         1/1/2022         \$37.60         \$20.50         \$58           Piledrivers         1/1/2023         \$39.13         \$21.22         \$60           Piledrivers         1/1/2024         \$40.63         \$21.97         \$62           Piledrivers         1/1/2025         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$43.13         \$23.47         \$66           Piledrivers         1/1/2021         \$29.20         \$12.96         \$42           Piledrivers         1/1/2021         \$29.20         \$12.96         \$42           Piledrivers         6/1/2021         \$38.77         \$26.64         \$42           Piledrivers         6/1/2022         \$40.22         \$29.95         \$13.61         \$43.31         \$43.43         \$43.43         \$43.43         \$43.43         \$43.45         \$45.75         \$46.75	Pile Driver Divers (Building, Heavy, Highway)	1/1/2025		\$62.82	\$22.72	\$85.54
Piledrivers         1/1/2022         \$37.60         \$20.50         \$88           Piledrivers         1/1/2023         \$39.13         \$21.22         \$60           Piledrivers         1/1/2024         \$40.63         \$21.97         \$62           Piledrivers         1/1/2025         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$43.13         \$23.47         \$66           Plasterers         6/1/2021         \$29.20         \$12.96         \$42           Plasterers         6/1/2022         \$29.95         \$13.61         \$43           Plumber/Pipefitter         5/1/2021         \$38.77         \$28.46         \$67           Plumber/Pipefitter         5/1/2022         \$40.28         \$28.70         \$68           Plumber/Pipefitter         5/1/2022         \$440.28         \$28.70         \$68           Plumber/Pipefitter         5/1/2023         \$41.36         \$29.72         \$71           Roofers (Composition)         5/1/2023         \$41.48         \$33.87         \$75           Roofers (Composition)         5/1/2022         \$41.48         \$33.87         \$75           Roofers (Single)         5/1/2022         \$41.48         \$33.87         \$75	Pile Driver Divers (Building, Heavy, Highway)	1/1/2026		\$64.70	\$23.47	\$88.17
Piledrivers       1/1/2023       \$39.13       \$21.22       \$60         Piledrivers       1/1/2024       \$40.63       \$21.97       \$62         Piledrivers       1/1/2025       \$41.88       \$22.72       \$64         Piledrivers       1/1/2026       \$43.13       \$23.47       \$66         Piledrivers       6/1/2021       \$29.20       \$12.96       \$42         Plasterers       6/1/2022       \$29.95       \$13.61       \$43         Plumber/Pipefitter       5/1/2021       \$38.77       \$28.46       \$67         Plumber/Pipefitter       5/1/2022       \$40.28       \$28.70       \$68         Plumber/Pipefitter       5/1/2023       \$41.36       \$29.72       \$71         Roofers (Composition)       5/1/2023       \$41.36       \$29.72       \$71         Roofers (Composition)       5/1/2021       \$40.33       \$33.12       \$73         Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53         Sheet Metal Workers       6/1/2022       \$40.22       \$41.0	Piledrivers	1/1/2021		\$36.50	\$20.10	\$56.60
Piledrivers         1/1/2024         \$40.63         \$21.97         \$62           Piledrivers         1/1/2025         \$41.88         \$22.72         \$64           Piledrivers         1/1/2026         \$43.13         \$23.47         \$66           Plasterers         6/1/2021         \$29.20         \$12.96         \$42           Plasterers         6/1/2022         \$29.95         \$13.61         \$43           Plumber/Pipefitter         5/1/2021         \$38.77         \$28.46         \$67           Plumber/Pipefitter         5/1/2022         \$40.28         \$28.70         \$68           Plumber/Pipefitter         5/1/2022         \$40.28         \$28.70         \$68           Plumber/Pipefitter         5/1/2022         \$40.28         \$29.72         \$71           Roofers (Composition)         5/1/2023         \$41.48         \$33.87         \$73           Roofers (Composition)         5/1/2020         \$29.50         \$21.25         \$50           Roofers (Single)         5/1/2020         \$29.50         \$21.25         \$50           Roofers (Silate & Tile)         5/1/2020         \$32.50         \$21.25         \$53           Sheet Metal Workers         6/1/2021         \$36.08         \$42.65	Piledrivers	1/1/2022		\$37.60	\$20.50	\$58.10
Piledrivers       1/1/2025       \$41.88       \$22.72       \$64.         Piledrivers       1/1/2026       \$43.13       \$23.47       \$66.         Plasterers       6/1/2021       \$29.20       \$12.96       \$42.         Plasterers       6/1/2022       \$29.95       \$13.61       \$43.         Plumber/Pipefitter       5/1/2021       \$38.77       \$28.46       \$67.         Plumber/Pipefitter       5/1/2022       \$40.28       \$28.70       \$68.         Plumber/Pipefitter       5/1/2023       \$41.36       \$29.72       \$71.         Roofers (Composition)       5/1/2021       \$40.33       \$33.12       \$73.         Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75.         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50.         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022	Piledrivers	1/1/2023		\$39.13	\$21.22	\$60.35
Piledrivers       1/1/2026       \$43.13       \$23.47       \$66         Plasterers       6/1/2021       \$29.20       \$12.96       \$42         Plasterers       6/1/2022       \$29.95       \$13.61       \$43         Plumber/Pipefitter       5/1/2021       \$38.77       \$28.46       \$67         Plumber/Pipefitter       5/1/2022       \$40.28       \$28.70       \$68         Plumber/Pipefitter       5/1/2023       \$41.36       \$29.72       \$71         Roofers (Composition)       5/1/2021       \$40.33       \$33.12       \$73         Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67         Sprinklerfitters       4/1/2022       \$4	Piledrivers	1/1/2024		\$40.63	\$21.97	\$62.60
Plasterers       6/1/2021       \$29.20       \$12.96       \$42.         Plasterers       6/1/2022       \$29.95       \$13.61       \$43.         Plumber/Pipefitter       5/1/2021       \$38.77       \$28.46       \$67.         Plumber/Pipefitter       5/1/2022       \$40.28       \$28.70       \$68.         Plumber/Pipefitter       5/1/2023       \$41.36       \$29.72       \$71.         Roofers (Composition)       5/1/2021       \$40.33       \$33.12       \$73.         Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75.         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50.         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/	Piledrivers	1/1/2025		\$41.88	\$22.72	\$64.60
Plasterers       6/1/2022       \$29.95       \$13.61       \$43.         Plumber/Pipefitter       5/1/2021       \$38.77       \$28.46       \$67.         Plumber/Pipefitter       5/1/2022       \$40.28       \$28.70       \$68.         Plumber/Pipefitter       5/1/2023       \$41.36       \$29.72       \$71.         Roofers (Composition)       5/1/2021       \$40.33       \$33.12       \$73.         Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75.         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50.         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2023       \$42.29       \$27.48       \$69.         Sprinklerfitters <t< td=""><td>Piledrivers</td><td>1/1/2026</td><td></td><td>\$43.13</td><td>\$23.47</td><td>\$66.60</td></t<>	Piledrivers	1/1/2026		\$43.13	\$23.47	\$66.60
Plumber/Pipefitter         5/1/2021         \$38.77         \$28.46         \$67.72           Plumber/Pipefitter         5/1/2022         \$40.28         \$28.70         \$68.82           Plumber/Pipefitter         5/1/2023         \$41.36         \$29.72         \$71.72           Roofers (Composition)         5/1/2021         \$40.33         \$33.12         \$73.73           Roofers (Composition)         5/1/2022         \$41.48         \$33.87         \$75.75           Roofers (Shingle)         5/1/2020         \$29.50         \$21.25         \$50.75           Roofers (Slate & Tile)         5/1/2020         \$32.50         \$21.25         \$53.76           Sheet Metal Workers         6/1/2021         \$36.08         \$42.65         \$78.78           Sign Makers and Hangars         7/17/2021         \$29.49         \$23.90         \$53.78           Sign Makers and Hangars         7/15/2022         \$30.54         \$24.35         \$54.78           Sprinklerfitters         4/1/2021         \$40.33         \$26.94         \$67.78           Sprinklerfitters         4/1/2022         \$30.54         \$24.35         \$54.78           Sprinklerfitters         4/1/2022         \$40.22         \$44.35         \$69.78           Sprinklerfitters </td <td>Plasterers</td> <td>6/1/2021</td> <td></td> <td>\$29.20</td> <td>\$12.96</td> <td>\$42.16</td>	Plasterers	6/1/2021		\$29.20	\$12.96	\$42.16
Plumber/Pipefitter       5/1/2022       \$40.28       \$28.70       \$68.         Plumber/Pipefitter       5/1/2023       \$41.36       \$29.72       \$71.         Roofers (Composition)       5/1/2021       \$40.33       \$33.12       \$73.         Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75.         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50.         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.	Plasterers	6/1/2022		\$29.95	\$13.61	\$43.56
Plumber/Pipefitter       5/1/2022       \$40.28       \$28.70       \$68.         Plumber/Pipefitter       5/1/2023       \$41.36       \$29.72       \$71.         Roofers (Composition)       5/1/2021       \$40.33       \$33.12       \$73.         Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75.         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50.         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.	Plumber/Pipefitter	5/1/2021		\$38.77	\$28.46	\$67.23
Roofers (Composition)       5/1/2021       \$40.33       \$33.12       \$73.         Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75.         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50.         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.	Plumber/Pipefitter	5/1/2022		\$40.28		\$68.98
Roofers (Composition)       5/1/2022       \$41.48       \$33.87       \$75.8         Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50.8         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.8         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.8         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.	Plumber/Pipefitter	5/1/2023		\$41.36	\$29.72	\$71.08
Roofers (Shingle)       5/1/2020       \$29.50       \$21.25       \$50.00         Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.00         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.00         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.00         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.00         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.00         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.00         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.00         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.00         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.00	Roofers (Composition)	5/1/2021		\$40.33	\$33.12	\$73.45
Roofers (Slate & Tile)       5/1/2020       \$32.50       \$21.25       \$53.         Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.	Roofers (Composition)	5/1/2022		\$41.48	\$33.87	\$75.35
Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.	Roofers (Shingle)	5/1/2020		\$29.50	\$21,25	\$50.75
Sheet Metal Workers       6/1/2021       \$36.08       \$42.65       \$78.         Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.	Roofers (Slate & Tile)	5/1/2020		\$32.50		\$53.75
Sheet Metal Workers       6/1/2022       \$40.22       \$41.01       \$81.         Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.		6/1/2021		\$36.08	\$42.65	\$78.73
Sign Makers and Hangars       7/17/2021       \$29.49       \$23.90       \$53.         Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.						\$81.23
Sign Makers and Hangars       7/15/2022       \$30.54       \$24.35       \$54.         Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.						\$53.39
Sprinklerfitters       4/1/2021       \$40.33       \$26.94       \$67.         Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.		7/15/2022		\$30.54		\$54.89
Sprinklerfitters       4/1/2022       \$42.29       \$27.48       \$69.         Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.				\$40.33		\$67.27
Sprinklerfitters       4/1/2023       \$44.33       \$28.04       \$72.         Terrazzo Finisher       5/1/2021       \$33.23       \$19.03       \$52.		4/1/2022				\$69.77
Terrazzo Finisher 5/1/2021 \$33.23 \$19.03 \$52.						\$72.37
	Terrazzo Finisher	5/1/2021			\$19.03	\$52.26
10114EE 1 11101101   W17.40   W10.24   W00.	Terrazzo Finisher	5/1/2022		\$34.46	\$19.24	\$53.70

Commonwealth of Pennsylvania Report Date: 5/3/2023

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Project: 23-04247 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total	
Terrazzo Finisher	5/1/2023		\$35.79	\$19.25	\$55.04	
Terrazzo Finisher	5/1/2024		\$37.16	\$19.26	\$56.42	
Terrazzo Grinder	5/1/2021		\$33.94	\$19.03	\$52.97	
Terrazzo Grinder	5/1/2022		\$35.19	\$19.24	\$54.43	
Terrazzo Grinder	5/1/2023		\$36.54	\$19.25	\$55.79	
Terrazzo Grinder	5/1/2024		\$37.92	\$19.26	\$57.18	
Terrazzo Mechanics	5/1/2021		\$33.83	\$20.78	\$54.61	
Terrazzo Mechanics	5/1/2022		\$35.12	\$20.99	\$56.11	
Terrazzo Mechanics	5/1/2023		\$36.51	\$21.00	\$57.51	
Terrazzo Mechanics	5/1/2024		\$37.94	\$21.01	\$58.95	
Terrazzo Setter	5/1/2019		\$31.81	\$19.67	\$51.48	
Tile & Marble Finisher	5/1/2021		\$29.61	\$15.14	\$44.75	
Tile & Marble Finisher	5/1/2022,		\$30.96	\$15.49	\$46.45	
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	5/1/2021		\$31.55	\$17.34	\$48.89	
Tile Setter	5/1/2022		\$32.85	\$17.74	\$50.59	
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	
Truckdriver class 1(see notes)	1/1/2021		\$30.54	\$20.88	\$51.42	
Truckdriver class 1(see notes)	1/1/2022		\$31.29	\$21.63	\$52.92	
Truckdriver class 1(see notes)	1/1/2023		\$33.04	\$22.13	\$55.17	
Truckdriver class 1(see notes)	1/1/2024		\$34.79	\$22.63	\$57.42	
Truckdriver class 1(see notes)	1/1/2025		\$36.29	\$23.13	\$59.42	
Truckdriver class 1(see notes)	1/1/2026		\$37.79	\$23.63	\$61.42	
Truckdriver class 2 (see notes)	1/1/2021		\$31.00	\$21.18	\$52.18	
Truckdriver class 2 (see notes)	1/1/2022		\$31.75	\$21.93	\$53.68	
Truckdriver class 2 (see notes)	1/1/2023		\$33.50	\$22.43	\$55.93	
Truckdriver class 2 (see notes)	1/1/2024		\$35.25	\$22.93	\$58.18	
Truckdriver class 2 (see notes)	1/1/2025		\$36.75	\$23.43	\$60.18	
Truckdriver class 2 (see notes)	1/1/2026		\$38.25	\$23.93	\$62.18	
Truckdriver class 3 (see notes)	1/1/2016		\$28.10	\$16.88	\$44.98	
Window Film / Tint Installer	10/1/2019		\$25.00	\$2.63	\$27.63	

Project: 23-04247 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total	
Carpenter	1/1/2021		\$35.87	\$19.32	\$55.19	
Carpenter	1/1/2022		\$36.85	\$19.84	\$56.69	
Carpenter	1/1/2023		\$38.35	\$20.59	\$58.94	
Carpenter	1/1/2024		\$39.85	\$21.34	\$61.19	
Carpenter	1/1/2025		\$41.10	\$22.09	\$63.19	
Carpenter	1/1/2026		\$42.35	\$22.84	\$65.19	
Carpenter Welder	1/1/2021		\$36.82	\$19.32	\$56.14	
Carpenter Welder	1/1/2022		\$37.80	\$19.84	\$57.64	
Carpenter Welder	1/1/2023		\$39.85	\$20.59	\$60.44	
Carpenter Welder	1/1/2024		\$41.35	\$21.34	\$62.69	
Carpenter Welder	1/1/2025		\$42.60	\$22.09	\$64.69	
Carpenter Welder	1/1/2026		\$43.85	\$22.84	\$66.69	
Cement Finishers	1/1/2021		\$32.84	\$22.60	\$55.44	
Cement Finishers	1/1/2022		\$33.14	\$23.80	\$56.94	
Cement Finishers	1/1/2023		\$34.14	\$25.05	\$59.19	
Cement Finishers	1/1/2024		\$35.14	\$26.30	\$61.44	
Cement Finishers	1/1/2025		\$35.94	\$27.50	\$63.44	
Cement Masons	1/1/2020		\$32.84	\$21.10	\$53.94	
Electric Lineman	5/31/2021		\$49.22	\$27.36	\$76.58	
Electric Lineman	5/30/2022		\$50.28	\$28.47	\$78.75	
Electric Lineman	5/29/2023		\$51.40	\$29.62	\$81.02	
Electric Lineman	6/3/2024		\$52.80	\$30.61	\$83.41	
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2021		\$34.01	\$31.13	\$65.14	
Laborers (Class 01 - See notes)	1/1/2021		\$26.80	\$24.80	\$51.60	
Laborers (Class 01 - See notes)	1/1/2022		\$27.60	\$25.50	\$53.10	
Laborers (Class 01 - See notes)	1/1/2023		\$29.85	\$25.50	\$55.35	
Laborers (Class 01 - See notes)	1/1/2024		\$32.10	\$25.50	\$57.60	
Laborers (Class 01 - See notes)	1/1/2025		\$33.60	\$26.00	\$59.60	
Laborers (Class 01 - See notes)	1/1/2026		\$34.60	\$27.00	\$61.60	
Laborers (Class 02 - See notes)	1/1/2021		\$26.96	\$24.80	\$51.76	
Laborers (Class 02 - See notes)	1/1/2022		\$27.76	\$25.50	\$53.26	
Laborers (Class 02 - See notes)	1/1/2023		\$30.01	\$25.50	\$55.51	
Laborers (Class 02 - See notes)	1/1/2024		\$32.26	\$25.50	\$57.76	
Laborers (Class 02 - See notes)	1/1/2025		\$33.76	\$26.00	\$59.76	
Laborers (Class 02 - See notes)	1/1/2026		\$34.76	\$27.00	\$61.76	
Laborers (Class 03 - See notes)	1/1/2021		\$27.45	\$24.80	\$52.25	
Laborers (Class 03 - See notes)	1/1/2022		\$28.25	\$25.50	\$53.75	
Laborers (Class 03 - See notes)	1/1/2023		\$30.50	\$25.50	\$56.00	
Laborers (Class 03 - See notes)	1/1/2024		\$32.75	\$25.50	\$58.25	
Laborers (Class 03 - See notes)	1/1/2025		\$34.25	\$26.00	\$60.25	
Laborers (Class 03 - See notes)	1/1/2026		\$35,25	\$27.00	\$62.25	
Laborers (Class 04 - See notes)	1/1/2021		\$27.90	\$24.80	\$52.70	
Laborers (Class 04 - See notes)	1/1/2022		\$28.70	\$25.50	\$54.20	
Laborers (Class 04 - See notes)	1/1/2023		\$30.95	\$25.50	\$56.45	

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Project: 23-04247 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers (Class 04 - See notes)	1/1/2024		\$33.20	\$25.50	\$58.70
Laborers (Class 04 - See notes)	1/1/2025		\$34.70	\$26.00	\$60.70
Laborers (Class 04 - See notes)	1/1/2026		\$35.70	\$27.00	\$62.70
Laborers (Class 05 - See notes)	1/1/2021		\$28.31	\$24.80	\$53.11
Laborers (Class 05 - See notes)	1/1/2022		\$29.11	\$25.50	\$54.61
Laborers (Class 05 - See notes)	1/1/2023		\$31.36	\$25.50	\$56.86
Laborers (Class 05 - See notes)	1/1/2024		\$33.61	\$25.50	\$59.11
Laborers (Class 05 - See notes)	1/1/2025		\$35.11	\$26.00	\$61.11
Laborers (Class 05 - See notes)	1/1/2026		\$36.11	\$27.00	\$63.11
Laborers (Class 06 - See notes)	1/1/2021		\$25.15	\$24.80	\$49.95
Laborers (Class 06 - See notes)	1/1/2022	-	\$25.95	\$25.50	\$51.45
Laborers (Class 06 - See notes)	1/1/2023		\$28.20	\$25.50	\$53.70
Laborers (Class 06 - See notes)	1/1/2024		\$30.45	\$25.50	\$55.95
Laborers (Class 06 - See notes)	1/1/2025		\$31.95	\$26.00	\$57.95
Laborers (Class 06 - See notes)	1/1/2026		\$32.95	\$27.00	\$59.95
Laborers (Class 07 - See notes)	1/1/2021		\$27.80	\$24.80	\$52.60
Laborers (Class 07 - See notes)	1/1/2022		\$28.60	\$25.50	\$54.10
Laborers (Class 07 - See notes)	1/1/2023		\$30.85	\$25.50	\$56.35
Laborers (Class 07 - See notes)	1/1/2024		\$33.10	\$25.50	\$58.60
Laborers (Class 07 - See notes)	1/1/2025		\$34.60	\$26.00	\$60.60
Laborers (Class 07 - See notes)	1/1/2026		\$35.60	\$27.00	\$62.60
Laborers (Class 08 - See notes) ·	1/1/2021		\$29.30	\$24.80	\$54.10
Laborers (Class 08 - See notes)	1/1/2022		\$30.10	\$25.50	\$55.60
Laborers (Class 08 - See notes)	1/1/2023		\$32.35	\$25.50	\$57.85
Laborers (Class 08 - See notes)	1/1/2024	,	\$34.60	\$25.50	\$60.10
Laborers (Class 08 - See notes)	1/1/2025		\$36.10	\$26.00	\$62.10
Laborers (Class 08 - See notes)	1/1/2026		\$37.10	\$27.00	\$64.10
Millwright	6/1/2020		\$41.68	\$20.32	\$62.00
Operators (Class 01 - see notes)	1/1/2021		\$33.60	\$22.73	\$56.33
Operators (Class 01 - see notes)	1/1/2022		\$34.50	\$23.33	\$57.83
Operators (Class 01 - see notes)	1/1/2023		\$36.50	\$23.58	\$60.08
Operators (Class 01 - see notes)	1/1/2024		\$38.30	\$24.03	\$62.33
Operators (Class 01 - see notes)	1/1/2025		\$40.10	\$24.23	\$64.33
Operators (Class 02 -see notes)	1/1/2021		\$33.32	\$22.73	\$56.05
Operators (Class 02 -see notes)	1/1/2022		\$34.22	\$23.33	\$57.55
Operators (Class 02 -see notes)	1/1/2023		\$36.22	\$23.58	\$59.80
Operators (Class 02 -see notes)	1/1/2024		\$38.02	\$24.03	\$62.05
Operators (Class 02 -see notes)	1/1/2025		\$39.82	\$24.23	\$64.05
Operators (Class 03 - see notes)	1/1/2021		\$29.68	\$22.73	\$52.41
Operators (Class 03 - See notes)	1/1/2022		\$30.58	\$23.33	\$53.91
Operators (Class 03 - See notes)	1/1/2023		\$32.58	\$23.58	\$56.16
Operators (Class 03 - See notes)	1/1/2024		\$34.38	\$24.03	\$58.41
Operators (Class 03 - See notes)	1/1/2025		\$36.18	\$24.23	\$60.41
Operators (Class 04 - See notes)	1/1/2021		\$29.19	\$22.73	\$51.92

Project: 23-04247 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Class 04 - See notes)	1/1/2022		\$30.09	\$23.33	\$53.42
Operators (Class 04 - See notes)	1/1/2023		\$32.09	\$23.58	\$55.67
Operators (Class 04 - See notes)	1/1/2024		\$33.89	\$24.03	\$57.92
Operators (Class 04 - See notes)	1/1/2025		\$35.69	\$24.23	\$59.92
Operators (Class 05 - See notes)	1/1/2021		\$28.98	\$22.73	\$51.71
Operators (Class 05 - See notes)	1/1/2022		\$29.88	\$23.33	\$53.21
Operators (Class 05 - See notes)	1/1/2023		\$31.88	\$23.58	\$55.46
Operators (Class 05 - See notes)	1/1/2024		\$33.68	\$24.03	\$57.71
Operators (Class 05 - See notes)	1/1/2025		\$35.48	\$24.23	\$59.71
Operators Class 1-A	1/1/2021		\$36.60	\$22.73	\$59.33
Operators Class 1-A	1/1/2022		\$37.50	\$23.33	\$60.83
Operators Class 1-A	1/1/2023		\$39.50	\$23.58	\$63.08
Operators Class 1-A	1/1/2024		\$41.30	\$24.03	\$65.33
Operators Class 1-A	1/1/2025		\$43.10	\$24.23	\$67.33
Operators Class 1-B	1/1/2021		\$35.60	\$22.73	\$58.33
Operators Class 1-B	1/1/2022		\$36.50	\$23,33	\$59.83
Operators Class 1-B	1/1/2023		\$38.50	\$23.58	\$62.08
Operators Class 1-B	1/1/2024		\$40.30	\$24.03	\$64.33
Operators Class 1-B	1/1/2025		\$42.10	\$24.23	\$66.33
Painters Class 1 (see notes)	6/1/2021		\$34.00	\$21.89	\$55.89
Painters Class 1 (see notes)	6/1/2022		\$34.45	\$22.82	\$57.27
Painters Class 2 (see notes)	6/1/2019		\$35.25	\$20.06	\$55.31
Painters Class 3 (see notes)	6/1/2021		\$36.25	\$21.89	\$58.14
Painters Class 3 (see notes)	6/1/2022		\$36.77	\$22.82	\$59.59
Painters Class 4 (see notes)	6/1/2019		\$28.20	\$20.06	\$48.26
Painters Class 5 (see notes)	6/1/2019		\$22.91	\$20.06	\$42.97
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
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	1/1/2021		\$36.54	\$20.06	\$56.60
Piledrivers	1/1/2022		\$37.63	\$20.47	\$58.10
Piledrivers	1/1/2023	4	\$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
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2022		\$48.43	\$40.28	\$88.71
Truckdriver class 1(see notes)	1/1/2021		\$30.54	\$20.88	\$51.42
Truckdriver class 1(see notes)	1/1/2022		\$31.29	\$21.63	\$52.92
Truckdriver class 1(see notes)	1/1/2023		\$33.64	\$22.52	\$56.16
Truckdriver class 1(see notes)	1/1/2024		\$35.39	\$23.02	\$58.41
Truckdriver class 1(see notes)	1/1/2025		\$36.89	\$23.52	\$60.41

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Project: 23-04247 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Truckdriver class 1(see notes)	1/1/2026		\$38.39	\$24.02	\$62.41
Truckdriver class 2 (see notes)	1/1/2021		\$31.00	\$21.18	\$52.18
Truckdriver class 2 (see notes)	1/1/2022		\$31.75	\$21.93	\$53.68
Truckdriver class 2 (see notes)	1/1/2023		\$33.50	\$22.43	\$55.93
Truckdriver class 2 (see notes)	1/1/2024		\$35.25	\$22.93	\$58.18
Truckdriver class 2 (see notes)	1/1/2025		\$36.75	\$23.43	\$60.18
Truckdriver class 2 (see notes)	1/1/2026	7	\$38.25	\$23.93	\$62.18
Truckdriver class 3 (see notes)	1/1/2019		\$29.45	\$19.73	\$49.18

# 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
	Oklahoma	5%
11.	Virginia	4% for coal only
	Washington Wyoming	5% (fuels mined or produced in the state only) 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:

1. 2. 3. 4.	STATE Alaska Arizona California Connecticut Montana	5% 5% 5% 5% 10% 3%	ERENCE (supplies only) (construction materials from Arizona resident dealers only) (for supply contracts only in excess of \$100,000.00) (for supplies only)
6.	New Mexico	5%	(for supplies only)
7.	South Carolina	2% 1%	(under \$2,500,000.00) (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. 9.	West Virginia Wyoming	2.5%	(for the construction, repair or improvement of any buildings
	CTATE	DDOH	ITRITTON

For supply procurements or construction projects restricted to Department of General New Jersey 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:

1.	<b>STATE</b> Alabama	PROHIBITION 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 FOREIGNCOUNTRY) 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
١	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:	-
• • •	
•	
,	

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*				have such information on file with the Issuing Office:
	1.			bidder's bona fide establishment in Pennsylvania at which it was transacting business on the bids for this contract/requisition were first solicited:
	2.	a.	If the	bidder is a corporation:
	•		(1)	The corporation $\square$ is or $\square$ 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 $\square$ is or $\square$ 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 $\square$ is or $\square$ 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:
			If the	bidder is an individual:
		c.	He or is cor of the of bu amen	she is or is not conducting business under an assumed or fictitious name. If the bidder nducting business under an assumed or fictitious name, he or she must file with the Secretary e Commonwealth and the office of the prothonotary in the county wherein the principal place usiness is located as required by the Fictitious Name Act of May 24, 1945, P.L. 967, as ided, 54 P.S. §28.1. Individuals conducting business under an assumed or fictitious name provide the date of filing of the assumed or fictitious name with the Secretary of the monwealth:



### 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).

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

BOP-2201

Published: 02/07/2022

#### 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 – Timber Clearing

Section 4 – Plastic Pipe

Section 5 – Pipe Bedding and Backfill

Section 6 – Precast Inlet Boxes

Section 7 – Precast Top Units

Section 8 – Drainage Grates

Section 9 – Underdrain Trench

Section 10 – Road Grading

Section 11 – Seeding

#### **DRAWINGS**

The following drawings are included:

1 of 2 - Location Map, Site Map, Notes and Grading Sections

2 of 2 – Drainage Details and Timber Section

# **TECHNICAL SPECIFICATION SECTION 1 - SUMMARY OF WORK**

#### 1.1 – SCOPE OF PROJECT

This project involves the maintenance of 5,053-feet (0.96-miles) long section of Shade Mountain Road on State Game Lands (SGL) #107. The project includes timber clearing, installing precast inlet boxes and top units on existing pipes, constructing trench drains with geotextile, stone and perforated pipe, grading the existing stone road surface and related work.

#### 1.2 – WORK AREA

SGL #107 is located on the mountaintop border between Mifflin and Junita Counties north of the Juniata River. The project area on Shade Mountain Road is located northeast of Lewistown in Decatur Township.

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 be accessed from a stone surface PGC road which connects to paved public road (Back Maitland Road – SR2004) at Paintersville. The west end of project (Sta 0+00) is at PGC parking area at the base of the mountain. The east end of the project (Sta 50+53) is at the top of the mountain. There are gates on the ends of Shade Mountain Road. Keep the gates closed and locked during non-work hours to prevent unauthorized vehicle access.

#### 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 11.3 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 precast concrete inlet boxes must be accomplished under "no-flow" conditions. Complete backfill and stone surfacing the same day as inlet box installation.

For disturbed earth areas outside of stone surfacing only; seed those areas 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 3 – TIMBER CLEARING

#### 3.1 – **SCOPE**

This work in this section is cutting down and removal of trees at the along the upslope side of the road from Sta. 9+64 (bend in road) to Sta. 48+87 (pipe inlet at the top of the mountain). The site measures approximately 3.50-acres. All trees (regardless of size) must be cut down and removed. This section also includes removal of fallen logs and chipped tree waste.

#### 3.2 – PROCEDURE

A tally of trees compiled by the PGC Forestry staff is attached to this Section of the Technical Specifications. Use the tally to calculate the timber values and bid price for this work.

The PGC will mark the limits of tree removal before operations begin. The timber clearing is 50-feet along the slope above the edge of the road.

Cut down and remove all the trees at the designated area. Stumps are to remain but shall not extend more than 6-inches above the lowest adjacent original ground. Remove all logs and branches from the site. Chip small branches, leaves, twigs, etc. and remove from the site.

Merchantable timber and wood chips are considered property of the Contractor. Salvage value is to be reflected in the unit price bid for this work item.

#### 3.3 - MEASUREMENT AND PAYMENT

Lump Sum.

# **Report For Road Widening**

Sale Name:	Road Widening	SGL Number:	107
Forester:	Aurand	Report Date:	01/20/2023
Blocks Numbers in Sale:	1	Acres:	3.5
County:	Mifflin	Township:	DECATUR

# The Pennsylvania Game Commission SGL #107 - Road Widening Timbersale Scribner Rule (BDFT) - All Volumes are Estimates

				Sal	e Sumn	ary by H	arvest Blo	ck						
		Area			Sawt	imber			Pul	Culls				
Block Number	Acres	% of Sale	Harvest Type	Method	BDFT	Per Acre	% of Sale	Method	Tons	Per Acre	% of Sale	2 - 4"	6 - 10"	12 +"
1	4	100%	Clearcut	100% Tally	36,158	10,248	100%	100% Tally	80	23	100%	0	0	28
Total	4	100%			36,158		100%		80	22.8	100%			28

# The Pennsylvania Game Commission SGL #107 - Road Widening Timbersale Scribner Rule (BDFT) - All Volumes are Estimates

											В	lock A	11 - 4	acres												
	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28"	DBH	30"+ DBH		Sawtimber Totals				Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons	
N. Red Oak	13	701	23	2,008	8	984	14	2,893	9	1,964	3	757	5	1,865	3	1,343	2	1,331	8	4,647	88	18,494	210	30	10	
Sweet Birch	18	946	28	2,214	14	1,487	6	886	4	836	1	219	0	0	1	436	0	0	0	0	72	7,024	98	142	38	
Chestnut Oak	13	646	7	560	10	1,177	4	574	3	563	1	207	0	0	0	0	1	486	0	0	39	4,214	108	48	16	
Red Maple	1	54	3	238	1	146	0	0	0	0	2	532	0	0	0	0	1	380	0	0	8	1,350	169	38	10	
White Pine	0	0	0	0	0	0	1	252	0	0	0	0	2	920	0	0	0	0	0	0	3	1,171	390	4	1	
American Basswood	1	48	1	95	2	229	0	0	0	0	1	276	0	0	1	401	0	0	0	0	6	1,048	175	5	2	
N. Red Oak - dead	0	0	0	0	0	0	0	0	1	247	0	0	0	0	0	0	0	0	1	614	2	861	431	0	0	
Yellow-poplar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	696	1	696	696	0	0	
Chestnut Oak - dead	1	50	1	73	2	201	1	178	1	168	0	0	0	0	0	0	0	0	0	0	6	670	112	0	0	
Hickories	0	0	0	0	0	0	0	0	1	276	0	0	0	0	0	0	0	0	0	0	1	276	276	1	0	
Black Oak	1	51	0	0	0	0	1	183	0	0	0	0	0	0	0	0	0	0	0	0	2	235	117	0	0	
Black Gum	1	48	1	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	119	60	27	4	
Total	49	2,545	64	5,259	37	4,225	27	4,967	19	4,053	8	1,990	7	2,784	5	2,180	4	2,197	10	5,956	230	36,158	157	295	80	

# The Pennsylvania Game Commission SGL #107 - Road Widening Timbersale Scribner Rule (BDFT) - All Volumes are Estimates

											]	Block	1 - 4 :	acres												
	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals				Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons	
N. Red Oak	13	701	23	2,008	8	984	14	2,893	9	1,964	3	757	5	1,865	3	1,343	2	1,331	8	4,647	88	18,494	210	30	10	
Sweet Birch	18	946	28	2,214	14	1,487	6	886	4	836	1	219	0	0	1	436	0	0	0	0	72	7,024	98	142	38	
Chestnut Oak	13	646	7	560	10	1,177	4	574	3	563	1	207	0	0	0	0	1	486	0	0	39	4,214	108	48	16	
Red Maple	1	54	3	238	1	146	0	0	0	0	2	532	0	0	0	0	1	380	0	0	8	1,350	169	38	10	
White Pine	0	0	0	0	0	0	1	252	0	0	0	0	2	920	0	0	0	0	0	0	3	1,171	390	4	1	
American Basswood	1	48	1	95	2	229	0	0	0	0	1	276	0	0	1	401	0	0	0	0	6	1,048	175	5	2	
N. Red Oak - dead	0	0	0	0	0	0	0	0	1	247	0	0	0	0	0	0	0	0	1	614	2	861	431	0	0	
Yellow-poplar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	696	1	696	696	0	0	
Chestnut Oak - dead	1	50	1	73	2	201	1	178	1	168	0	0	0	0	0	0	0	0	0	0	6	670	112	0	0	
Hickories	0	0	0	0	0	0	0	0	1	276	0	0	0	0	0	0	0	0	0	0	1	276	276	1	0	
Black Oak	1	51	0	0	0	0	1	183	0	0	0	0	0	0	0	0	0	0	0	0	2	235	117	0	0	
Black Gum	1	48	1	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2 .	119	60	27	4	
Total	49	2,545	64	5,259	37	4,225	27	4,967	19	4,053	8	1,990	7	2,784	5	2,180	4	2,197	10	5,956	230	36,158	157	295	80	

# The Pennsylvania Game Commission SGL #107 - Road Widening Timbersale Scribner Rule (BDFT) - All Volumes are Estimates

Block All - 4 acres - Pulp Tree Stand and Stock Table																						
	2" 1	DBH	4" DBH		6" DBH		8" DBH		10" DBH		12" DBH		14" DBH		16" DBH		18" DBH		20"+ DBH		Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Tons
Sweet Birch	0	0	0	0	10	1	52	10	80	27	0	0	0	0	0	0	0	0	0	0	142	38
Chestnut Oak	0	0	0	0	2	0	10	2	36	13	0	0	0	0	0	0	0	0	0	0	48	16
N. Red Oak	0	0	0	0	0	0	5	1	25	9	0	0	0	0	0	0	0	0	0	0	30	10
Red Maple	0	0	0	0	5	1	22	5	11	4	0	0	0	0	0	0	0	0	0	0	38	10
Black Gum	0	0	0	0	2	0	19	3	6	1	0	0	0	0	0	0	0	0	0	0	27	4
American Basswood	0	0	0	0	1	0	1	0	3	1	0	0	0	0	0	0	0	0	0	0	5	2
White Pine	0	0	0	0	0	0	1	0	3	1	0	0	0	0	0	0	0	0	0	0	4	1
Hickories	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Total					20	2	111	21	164	57											295	80

# TECHNICAL SPECIFICATION SECTION 4 – PLASTIC PIPE

#### 4.1 -SCOPE

This work is furnishing and installing a 10-foot extension to an existing drainage pipe at Sta. 4+84. Refer to project layout in Section 11.3 of the Technical Specifications for the pipe location in relation to other road features.

#### 4.2 – MATERIALS

The plastic pipe section shall be 18-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 pipe section. Fill the bottom of the existing drainage channel downstream of the existing pipe to form a bed for the new pipe extension.

Prepare the bedding area for the new pipe section and install so that a positive drainage slope in the pipe is obtained. Backfill the entire trench with 2RC select granular material as shown on the Drawings. Do not allow stones greater than 3-inches to come in contact with the pipe. Do not allow equipment to cross over the new pipe section until at least one foot of cover is obtained over the top of the pipe.

Perform minor grading operations on the downstream end of the new pipe section so that proper flow patterns are established.

#### 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 pipe extension 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 the new drainage pipe extension shall be 2RC select granular material, as specified in Section 703.3 of Pub. 408.

Obtain aggregate from a source listed in Bulletin 14.

#### **5.4 - PROCEDURE**

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. Place a layer of earth over the stone to blend into the existing contours.

# 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 INLET BOXES

#### **6.1 - SCOPE**

This work is installing precast concrete inlet boxes on the upstream end of selected existing drainage pipes. Refer to Section 11.3 of the Technical Specifications for the project layout showing the location of the existing pipes to receive new inlet boxes.

#### 6.2 - MATERIALS

The precast concrete inlet boxes 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 Section 714 of PennDOT Publication 408.
- 5. Layout and dimensions to be comparable to the details shown on the Drawings with minimum 6-inch thick walls and floor.

All existing pipes to receive inlet boxes are 15-inch corrugated plastic pipe with smooth interiors. The knockouts in the inlet boxes are to be constructed to fit this size pipe on the angle shown on the Drawings. The knockouts for the underdrain trench pipes shall be sized to fit a 6-inch diameter corrugated plastic pipe.

### 6.3 - PROCEDURE

Excavate the upstream end of the existing pipes for placement of the new inlet boxes. Prepare the subgrade for the inlet box to provide proper bearing. Small amounts of #2A coarse aggregate can be used. Place the precast concrete inlet boxes on the subgrade. Make sure that the inlet boxes are placed at the proper elevations so that roadside drainage can enter the tops.

The corrugations on the ends of the existing pipes can be removed to obtain proper fit inside the precast concrete inlet boxes. Insert the drainage pipes in the walls of the inlet boxes. Complete the backfill of the inlet boxes to lock them in place. Grout any voids around the existing 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- PRECAST CONCRETE TOP UNITS

#### 7.1 - SCOPE

This work is installing top units on the new precast concrete inlet boxes on the upstream end of selected existing drainage pipes. Refer to Section 11.3 of the Technical Specifications for the project layout showing the location of the existing pipes to receive new inlet boxes.

#### 7.2 - MATERIALS

The precast concrete top units 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 Section 714 of PennDOT Publication 408.
- 5. Layout and dimensions to be comparable to the details shown on the Drawings with minimum 6-inch thick walls.
- 6. Top units shall be Type "M".

# 7.3 - PROCEDURE

Install the inlet boxes according to Section 6.3 of the technical Specifications. Place the top units on top of the new inlet boxes. Backfill the top units with existing material from the site. Grade around the top units so drainage can enter the new inlet boxes.

#### 7.4 - MEASUREMENT AND PAYMENT

Each.

# **TECHNICAL SPECIFICATION SECTION NO. 8- DRAINAGE GRATES**

#### 8.1 - SCOPE

This work is installing structural steel gates in the new precast concrete top units on the upstream end of selected existing drainage pipes. Refer to Section 11.3 of the Technical Specifications for the project layout showing the location of the existing pipes to receive new inlet boxes.

# 8.2 - MATERIALS

The drainage grates shall be structural steel conforming to Section 605.2(a) of PennDOT Publication 408. Style and configuration shall match PennDOT Roadway Construction (RC) standard drawings.

# 8.3 - PROCEDURE

Install the grates in the top units on the new inlet boxes.

# 8.4 - MEASUREMENT AND PAYMENT

Each.

### TECHNICAL SPECIFICATION SECTION NO. 9 – UNDERDRAIN TRENCH

#### 9.1 - SCOPE

This work is constructing the underdrain trenches along the upslope side of the road as shown on the Drawings.

# 9.2 - MATERIALS

- **A. AASHTO #1 Stone** The stone shall be Type A quality conforming to the requirements of Section 703.2 of PennDOT Pub. 408. Obtain the AASHTO #1 Stone from a source listed in PennDOT Bulletin 14.
- **B.** 6-inch Perforated Pipe The underdrain pipe shall be 6-inch diameter flexible corrugated perforated pipe conforming to the requirements of Section 610.2(a)1 of PennDOT Pub. 408. Obtain the pipe from a source listed in PennDOT Bulletin 15.
- **C. Geotextile** The geotextile shall be Class 1 non-woven geotextile conforming to the requirements of Section 735 of PennDOT Pub. 408. Obtain the geotextile from a source listed in PennDOT Bulletin 15.

#### 9.3 - PROCEDURE

Construct the underdrain in the dry in non-flow conditions. Excavate along the road to the required depth, length and shape of the underdrain as shown on the Drawings. Remove any roots or sharp rocks which could puncture the geotextile. Place the geotextile in the excavated trench in a loose, unstretched condition. Install the perforated pipe in the bottom center of the trench. Carefully place the AASHTO #1 Stone in the trench around the pipe. Continue filling the trench with AASHTO #1 Stone. Wrap the geotextile in a double layer over top of the stone in the trench.

Place AASHTO #1 Stone over top of the geotextile to form a ditch line as shown on the Drawings. Shape the stone so that there is a concave drainage channel along the road.

# 9.4 - MEASUREMENT AND PAYMENT

- **A. AASHTO #1 Stone (Underdrain)** Cubic yards, measured by the three-dimensional volume method.
- **B.** Geotextile (Underdrain) Square yards measured by the two-dimensional area method. This measurement includes the double layer on top of the trench.
- **C.** 6-inch Perforated Pipe Linear feet, measured along the centerline of the constructed underdrain.

# TECHNICAL SPECIFICATION SECTION NO. 10 - ROAD GRADING

#### 11.1- SCOPE

This work is grading the existing stone road surface after all other construction operations are completed. Heavy truck traffic is not allowed on the graded road surface..

#### 11.2 - 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 center crown road or inslope shapes, road widths, drainage improvements and other grading required to connect to existing drainage features.

The road grading shall be 12-feet wide. The limits are centered on the existing roadway.

- **B.** Removing Leaf Litter and Debris Remove the leaf litter and other forest debris from the surface of the road. Blow the material off the roadway and down the slope. Knock down and grade off any high spots along the edges of the road embankment so that drainage is not trapped against the edges of the new road surface.
- C. Scarifying After removing the leaf litter and debris from the road, scarify the surface of the existing road to a depth of two inches to obtain material for grading and shaping the road. Use a carbide tipped "stinger" blade to scarify the existing road surface. Scarifying the entire road may not be necessary if enough existing stone can be graded to shape the new surface.
- **D. Potholes and Wheel Ruts** Fill potholes and wheel ruts with #2A coarse aggregate. Compact the stone with a tamper or jumping jack.
- **E. Grading and Compacting** Grade and smooth the stone to match the center crown and in-slope road shapes. A 120 to 150 hp motor grader with a 12' moldboard should be used for this work. Compact the surface with a single drum smooth roller (vibratory, 10-ton min.). One pass with the roller is sufficient.

#### 11.3 - PROJECT LAYOUT

This section of Shade Mountain Road is 5,035-feet (0.96-miles) long. The west end of project (Sta 0+00) is at PGC parking area at the base of the mountain. The east end of the project (Sta 50+53) is at the top of the mountain.

Project features can be determined from the locations of existing pipes. The locations of the existing drainage pipes are listed in the project layout. All existing pipes are 15-inch diameter corrugated plastic with smooth interior except the pipes at Sta. 1+51 and Sta. 4+84. Those pipes are 18-inch diameter.

- 0+00 West end of road. Start center crown road surface at the edge of the existing parking area.
- 0+97 Gate 107-4.
- 1+51 Existing pipe to remain.
- 2+27 Existing pipe to remain.
- 3+32 Existing pipe to remain.
- 4+84 Existing pipe to remain. Extend downstream end of pipe 10-feet.
- 6+13 Existing pipe to remain.
- 7+37 Existing pipe to remain.
- 8+52 Existing pipe to remain.
- 9+64 Bend in road. Start timber clearing along upslope side of road.
- 10+30 Existing pipe to remain.
- 11+78 Existing pipe to remain.
- 12+85 Existing pipe to remain.
- 14+71 Existing pipe to remain.
- 16+23 Existing pipe to remain.
- 17+47 Existing pipe to remain.
- 18+85 End center crown road shape, start in-slope road shape.
- 21+01 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 21+90 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 23+76 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 24+95 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.

- 26+00 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 27+19 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 28+61 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 30+00 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 30+83 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 31+69 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 33+57 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 35+13 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 36+32 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 37+56 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 39+12 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 40+08 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 41+04 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 42+06 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 43+51 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.

- 44+99 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 46+47 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 47+41 Place precast inlet box at inlet end of existing pipe. Construct underdrain trench uphill from new inlet box.
- 48+87 Existing pipe to remain. End in-slope road shape, begin center crown road shape. End timber clearing along upslope side of road.
- 50+53 East end of road at top of mountain. Existing parking area entrance on south side of road.

### 11.4 - MEASUREMENT AND PAYMENT

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

### 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 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 500 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.