PROJECT SPECIFICATIONS

INSURANCE REQUIREMENTS:
The Contractor shall purchase and maintain at its expense the following types of insurance, issued by companies acceptable to the Commonwealth.

Workmen’s Compensation Insurance. Sufficient to cover all of the employees of the Contractor; working to fulfill this contract.

Comprehensive General Liability Insurance. To include bodily injury and property damage insurance, to protect the Commonwealth, the Contractor or any Sub-Contractors from claims arising out of the performance of the contract. The amount of bodily injury insurance shall not be less than $300,000 for injury to or death of persons per occurrence. The amount of property damage insurance shall not be less than $300,000 per occurrence. Certificates evidencing coverage for Workmen’s Compensation, Public Liability and Property Damage shall be furnished if requested.

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

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

All policies shall be issued by Insurance Companies authorized to conduct such business under the laws of the Commonwealth of Pennsylvania, and shall run until date of final acceptance of the work. Policies expiring at a fixed date before final acceptance of the work must be renewed and refiled before such date.

OBSERVANCE OF LAWS AND REGULATIONS. The contractor shall observe all laws and regulations pertaining to his work, including regulations of the Department of Labor and Industry, the Department of Environmental Resources, the applicable local laws or ordinances, and shall furnish as required any permits, licenses and certificates and pay any fees incidental thereto. The Contractor agrees to save harmless and fully indemnify the Commonwealth from all damages, costs or expenses for infringement of any patent rights as a result of use on the project of patented articles.

INSPECTION AND CHANGES. All work will be subject to inspection and acceptance by the Pennsylvania Game Commission. The Pennsylvania Game Commission shall have the right to make changes in the quantities or character of the work involved. Adjustments to the contract amount to be on the unit price and/or lump sum price.

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

LABOR REQUIREMENTS. All laws and regulations of the Commonwealth pertaining to conditions of employment shall be observed including, but not limited to, the Act of July 18, 1935, No. 383 (43 P.S. Sec. 153) prohibiting racial discrimination, Act of July 19, 1935, No. 414 (43 P.S. Sec. 154) requiring hiring of state resident, the Act of June 21, 1937, No. 373 (71 P.S. Sec. 202) relating to minimum wages and the veteran’s preference provision of the Military Code (51 Pa. P.S. Sec. 7106).

PREVAILING WAGE. This contract is subject to the provisions, duties, obligations, remedies and penalties of the Act of August 15, 1961 (P.L. 987), as amended, known as the “Pennsylvania Prevailing Wage Act” (43 P.S. Sec. 165-1 et seq). The general prevailing minimum wage rates as determined by the US Department of Labor shall be paid for each craft or classification of all workmen needed to perform this Contract during the term hereof, for the locality in which the work is to be performed. (See attached Prevailing Wage Determination, pages 1 to 15).

PAYMENT TERMS. Payment will be made at the unit prices bid for each item upon satisfactory completion of items as listed on the Proposal Form.

If after substantial completion of work, final completion thereof is materially delayed through no fault of the Contractor, the Commission, may without terminating the Contract, make payment for that portion of the work completed and accepted. Upon completion, final approval and acceptance of work, the Contractor, will be paid the total amount of the Contract, subject to any authorized additions to or deductions from the Contract amount.

CONTRACT TERM. The Contract shall commence upon delivery of purchase order to Contractor (estimated to be August 28, 2017) and shall terminate on September 29, 2017. All work must be completed and accepted by that date. Time extensions will be considered for factors beyond the contractor’s control such as adverse weather conditions.

EXCISE TAXES, PENNSYLVANIA SALES TAX. It is further understood the Commonwealth is exempt from all Excise Taxes. This also applies with reference to the Pennsylvania Sales Tax, however, the Contractor remains liable for the payment of Sale and Use Tax on all materials and fixtures which he purchases or uses for the purpose of fulfilling this contract, irrespective of the fact that the work is being performed for a governmental instrumentality.

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.
General Decision Number: PA170006 07/14/2017  PA6

Superseded General Decision Number: PA20160006

State: Pennsylvania

Construction Types: Heavy and Highway

Counties: Bucks, Chester, Delaware, Montgomery and Philadelphia Counties in Pennsylvania.

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

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BOIL0013-003 01/01/2017

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CARP0173-001 05/01/2017

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FOOTNOTE:

A. PAID HOLIDAY: LABOR DAY

CARP0179-003 05/01/2017

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Rates Fringes
ELECTRICIAN ....................... $ 54.62 56.50%

ELEC0126-002 05/30/2016

CHESTER, DELAWARE, MONTGOMERY, PHILADELPHIA, AND REMAINDER OF BUCKS COUNTY

Rates Fringes
Line Construction:
Groundman ..................... $ 31.31 26.25%+10.50
Lineman ........................ $ 52.19 26.25%+10.50
Truck Driver .................... $ 33.92 26.25%+10.50
Winch Truck Operator ........... $ 36.53 26.25%+10.50

ELEC0269-001 03/01/2015

BUCKS COUNTY (Area East of a line starting at the Delaware River and following the west limits of the Borough of Bristol, along the continuation of U.S. Highway 13 and under the Pennsylvania Railroad Bridge to Route 09113, north along 09113 to route 152, north along route 152 to the Hulmeville Rd., east on the Hulmeville to Route 344, north on route 344 to the junction of Spurs 281 and 252 continue north on spur 252 and route 09028, west on 09028 to Route 152, north on 152 to TR 532, north on TR 532 to TR 113, north on TR 113 to TR 232 as Anchor Inn, northeast on TR 232 and continue northeast along 659 to Route 09060, West on 09060 to Route 402, north on 402 to the Borough Line at the southwest corner of the Borough of New Hope; including the Boroughs of New Hope and Bristol)

Rates Fringes
ELECTRICIAN ..................... $ 48.57 61.48%

ELEC0269-002 05/01/2016

BUCKS COUNTY - That portion east of a line starting at the Delaware River and following the west limits of the Borough of Bristol, along the continuation of U.S. Highway 13 and under the Pennsylvania Railroad Bridge to Route 09113, north along 09113 to route 152, north along route 152 to the Hulmeville Rd., east on the Hulmeville to Route 344, north on route 344 to the junction of Spurs 281 and 252 continue north on spur 252 and route 09028, west on 09028 to Route 152, north on 152 to TR 532, north on TR 532 to TR 113, north on TR 113 to TR 232 as Anchor Inn, northeast on TR 232 and continue northeast along 659 to Route 09060, West on 09060 to Route 402, north on 402 to the Borough Line at the southwest corner of the Borough of New Hope. The Boroughs of New Hope and Bristol are included.
Line Construction:
Groundman, Truck Driver....$ 39.34 57.93%
Linemen, Cable Splicer,
Heavy Equipment Operator....$ 49.18 57.93%

ELEC0313-003 06/01/2011

DELWARE COUNTY: (That portion south of U.S. Highway No. 1 and west of U.S. Highway No. 202) Chester County (That portion South and east of U. S. Highway 1)

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ELEC0375-001 12/01/2016

BUCKS COUNTY (East Rock Hill, West Rock Hill, Milford and Richland Townships in their entirety and that portion of Haycock and Springfield Townships west of a line following State Highway 212 from Northampton County South to Route 09071 along 09071 to state Highway 212, along Highway 212 to Route 09068 and along 09068 to State Highway 313) MONTGOMERY COUNTY (Upper Hanover Twp. in its entirety)

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<tr>
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ELEC0380-001 09/29/2014

BUCKS COUNTY (Hillstown and New Britain Townships in their entirety; that portion of Telford Borough Northeast of County Line Road (Main Street) and bounded by West Rock Hill and Hilltown Township that portion of Dublin Borough West of State Highway 313, and that portion of Doylestown and Warrington Townships and Doylestown Borough Northwest of a line following U.S. Highway 611 South from Route 09064 to the spur of Route 270, and proceeding Northwest along the spur to Route 397, Southwest on 397 to Route 350, Southeast on 350 to Route 395, Southwest on 395 to Route 09069, Southeast on 09069 to Route 09041, Southeast on 09041 to the Montgomery County Line)

DELAWARE COUNTY (The portion of Radnor Township North of U.S Highway 30 and West of State Highway 320) MONTGOMERY COUNTY (The portion Northwest of a line following Lower State Road from Bucks County Southwest to Bethlehem Pike (U.S. Highway 309), South on Bethlehem Pike to Penllyn Pike, Southwest on the Penllyn and Blue Bell Pikes to Wissahickon Creek to the Butler Pike, Southwest Wissahickon Creek to Butler Pike, Southwest on Butler Pike, to North Lane near Conshohocken Borough, Southeast on North Lane to the Schuylkill River and continuing Southeast in a line to Spring Mill Road, Southwest on Spring Mill Road to Delaware County; but excluding Upper Hanover, Douglass, Upper Potts Grove, West Potts Grove Townships and also excluding that portion of the Borough of Pottstown North and West of a line drawn Northeast on Kein Street from the Schuylkill River to Reading Railroad Northwest on the railroad to Madison Street, to High Street, East on High
Street to Green Street, North on Green Street and Northeast on Mintzer Street to Lower Pottsgrove Township Line, along this township line and the borough line Northwest to Adams Street and Beehive Road, Northeast on Beehive Road to the Township Line at Mervine Street)

CHESTER COUNTY (East Coventry, East Vincent, West Vincent, East Pikeland, West Pikeland, Uwchlan, Upper Uwchlan, East Brandywine, Schuylkill and Charleston Townships in their entirety, and that portion of Clan, East Clan, East Whiteland & West Whiteland, Tredyffrin, Willistown, Easttown Townships and Borough of Downingtown north of U. S.Highway 30)

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ELEC0654-001 05/29/2017

DELAMORE COUNTY (The portion south of U.S. Highway 30 and north of that part U.S. Highway 1 between U.S. Highway 202 and the Chester County Line, and east of that part of U.S. Highway 202 between U.S. Highway 1 and the Delaware Line, and west of a line extending from Montgomery County along State Route 320 to Maple, then along the Springfield Road to Saxer Avenue, along Saxer Avenue to Powell Road; along Powell Road to State Highway 420; along 420 and continuing in a straight line to the Delaware River in the State of Pennsylvania) CHESTER COUNTY (That portion south of U.S. Highway 30 and north of that part of U.S. Highway 1)

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<td>$ 43.16</td>
<td>18%+20.24</td>
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ELEC0743-001 09/01/2016

CHESTER (Coatesville, Honey Brook, South Coventry, Valley, Wallace, Warwick, West Brandywine, West Clan, and West Nantmeal Twp); AND MONTGOMEREY (Douglas, Pottstown, Upper Pottsgrove, and West Pottsgrove, Twp) COUNTIES

<table>
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ELEC0743-007 09/01/2016

CHESTER COUNTY (The portion of Sadsbury and West Sadsbury Township north of U.S. Highway 30)

Rates | Fringes
---|---
ELECTRICIAN | $34.77 | 20.19

* ENGI0542-005 05/01/2017

Power equipment operators:
(HEAVY, HIGHWAY, AND WATER
LINE CONSTRUCTION (Off Plant
Site))

GROUP 1: Handling steel and stone in connection with
erection, cranes doing hook work, any machine handling
machinery, helicopters, concrete pumps building machines
similar to the above, including remote control equipment.

GROUP 1a: Machines handling steel, or the functional
equivalent, and stone in connection with erection 15 ton
and over factory rating; Cranes doing hook work 15 ton and
over factory rating; Any machines handling machinery; HIgh
Rail/Burro Crane 15 ton and over factory rating; Rail
Loader (Winch Boom Type) 15 ton and over factory rating;
Concrete Pumps (Building) 120 feet of Boom length or less
(200 yard pour or less); Machines similar to above,
including remote control equipment; Equipment in this Wage
Group that does not require an oiler.

GROUP 2: All types of cranes, All types of backhoes,
Cableways, Draglines, Keystones, all types of shovels,
Derricks, Pavers 21E and over, Trenching machines, Trench
shovel, Graddalls, Front-End loaders, Boat Captain, Pippin
type backhoes, Tardems scrapers, Towers type crane
operation erecting, Dismantling, Jumping or Jacking, Drills
(self-containes), (drillmaster type) forklift (20 ft. and
over), Motor patrols (fine grade), Batch plant with mixer,
Carryalls, Scareps, Trouncapulls, Rollev (High Grade
Finishing), Spreaders (asphalt), Bulldozers and Tractors,
Mechanic welder, Conveyor loaders (euclid-type wheel),
Concrete pump, Milling Machines, Hoist with two towers,
Building hoist double drum (unless used as a single drum),
Mucking machines in tunnel, All auto grade and concrete
finishing machines, Bundle pullers/extractors (tubilar),
toxic/hazardous waste removal rate 20 per cent added to all
classification, bobcat, side broom, directional boring
machines, vermeet saw type machines (other than hand held)
tractor mounted hydro axe, chipper with boom, all machine
similar to the above including remote control equipment.
3: Asphalt plant engineers, Well drillers, Ditch witch
(small trencher), Motor patrols, Fine grade machines, Ten-ton roller (grade fill stone base), Concrete breaking machines, Guillotine only, Stump grinder, Conveyors (except building conveyors), Fork lift trucks of all types, High pressure boilers, Machine similar to the above, including remote control equipment.

GROUP 2a: Crawler backhoes and Crawler gradalls over one cubic yard factory rating; Hydraulic backhoes over one cubic yard factory rating; All types of cranes 15 ton and over factory rating; Single person operation truck cranes 15 ton and over factory rating; Cherry picker type machinery and equipment 15 ton and over factory rating; Concrete Pumps (Heavy/Highway); Machines similar to above, including remote control equipment; Equipment in this Wage Group that does not require an oiler.

GROUP 3: Asphalt plant engineers, Well drillers, Ditch witch (small trencher), Motor patrols, Fine grade machines, Ten-ton roller (grade fill stone base), Concrete breaking machines, Guillotine only, Stump grinder, Conveyors (except building conveyors), Fork lift trucks of all types, High pressure boilers, Machine similar to the above, including remote control equipment.

GROUP 4: Seaman, Pulverizer form line grader, Farm tractors, road finishing, Concrete spreader, Power broom (self-contained), Seed spreader, Grease truck.

GROUP 5: Compressors pumps, Well point pumps, Welding machines Tireman, Power equipment, Maintenance engineer (power boats), and machines similar to the above.

GROUP 6: Fireman, Oilers and deck hands (personnel Boats), grease truck.

FOOTNOTE: A. PAID HOLIDAYS: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day and Christmas Day

**TOXIC/HAZARDOUS WASTE REMOVAL***

Add 20 per cent to basic hourly rate for all classifications

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<td>IRONWORKER, REINFORCING...$ 42.65 30.28</td>
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<td>IRONWORKER (STRUCTURAL &amp;</td>
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BUCKS (Includes the towns of Bensalem, Bredysville, Bristol, Churchville, Cornwall Heights, Davisville, Eddington, Feasterville, Hartsville, Johnsville, Line Lexington, Neshaminy, Southampton, Tradesville, Trevose, Unionville, Warminster, and Warrington); DELAWARE (North of a line running along State Rt 352 to right on State Rt 291 to State Line); CHESTER (Includes the towns of Aldham, Anselma, Bacton, Berwyn, Cedar Hollow, Charlestown, Chester Springs, Cromby, Devon, Devault, Daylesford, Diamond Rock, Dutton Mill, Frazer, Goshenville, Howellville, Kinberton, Ludwigs Corner, Paoli, Matthews, Perkiomen Junction, Phoenixville, Rapps Corner, Rocky Hill, Stratford, Sugartown, Tanguy, Valley Forge, Valley Store, White Horse, Williams Corner, and Wilsons Corner); MONTGOMERY (Remainder); and PHILADELPHIA COUNTIES

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* IRON0405-001 07/01/2014

BUCKS (Includes the towns of Bensalem, Bredysville, Bristol, Churchville, Cornwall Heights, Davisville, Eddington, Feasterville, Hartsville, Johnsville, Line Lexington, Neshaminy, Southampton, Transville, Trevose, Unionville, Warminster, and Warrington), DELAWARE (North of a line running along State Route 352 to right on State Route 291 to State Line); CHESTER (Includes the towns of Aldham, Anselma, Bacton, Berwyn, Cedar Hollow, Charlestown Chester Springs, Cromby, Devon, Devault, Daylesford, Diamando Rock, Dutton Mill, Frazer, Goshenville, Howellville, Kinberton, Ludwigs Corner, Paoli, Matthews, Perkiomen Junction, Phoenixville, Rapps Corner, Rocky Hill, Stratford, Sugartown, Tanguy, Valley Forge, Valley Store, White Horse, Williams Corner, and Wilsons Corner); MONTGOMERY (Remainder); AND PHILADELPHIA COUNTIES

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<td>$40.73</td>
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Reinforcing Steel Mesh, Rebar Work

The following holidays shall be observed and when work is performed thereon it shall be paid for at twice the base rate: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. Employees shall be off Christmas Eve Day and receive four hours pay. Employees who have to work on Christmas Eve Day shall work four hours and be paid for eight hours pay for the holiday. Any time worked beyond four hours shall be paid at the double time rate plus the four hours holiday pay. To receive holiday pay, the employee must work the day before Christmas Eve and the first working day after Christmas Day.
BUCKS COUNTY (Includes the towns of Bensalem, Bredysville, Bristol, Churchville, Cornwells Heights, Davisville, Eddington, Feasterville, Hartsville, Johnsville, Line Lexington, Neshaminy, Southhampton, Tradesville, Trevose, Unionville, Warminster, and Warrington), DELAWARE (North of a line running along State Route 352 to right on State Route 291 to State Line); CHESTER (Includes the towns of Alsham, Anselma, Bacton, Berwyn, Cedar Hollow, Charlestown, Chester Springs, Cromby, Devon, Devault, Daylesford, Diamond Rock, Dutton Mill, Frazer, Goshenville, Howellville, Kimberton, Ludwig Corner, Paoli, Mattews, Perkiomen Junction, Phoenixville, Rapps Corner, Rocky Hill, Strafford, Sugartown, Tanguy, Valley Forge, Valley Store, White Horse, Williams Corner); MONTGOMERY (Remainder); and PHILADELPHIA COUNTIES

Rates Fringes

IRONWORKER (Rigger and Machinery Mover)..................$ 38.00 25.60

The following holidays shall be observed and when work is performed thereon it shall be paid for at twice the base rate: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. Employees shall be off Christmas Eve Day and receive four hours pay. Employees who have to work on Christmas Eve Day shall work four hours and be paid for eight hours pay for the holiday. Any time worked beyond fours hours shall be paid at the double time rate plus the four hours holiday pay. To receive holiday pay, the employee must work the day before Christmas Eve and the first working day after Christmas Day.

IRON0420-007 07/01/2014

MONTGOMERY COUNTY (Anise, Berguy, Congo, Douglas, East Greenfield, East Limerick, East Slaford, East Zieglerville, Engle ville, Fagleyville, Ford, Gilbertsville, Green Lane, Hanover, New Perkasie, Nianto, Palm, Obelish, Pennsburg, Perkiomen, Pottstown, Royerford, Roytown, Sammamansville, Tylerport, Upper Hanover, Upper Pottsgrove, Upper Wodall, West Limerick, West Salford, and West Zieglerville Townships)

Rates Fringes

Ironworkers:
Projects $200,000,000 and greater, all work.............$ 31.70 25.00
Projects less than $200,000,000.........................$ 30.70 25.00

IRON0451-004 07/01/2016

CHESTER (Remainder of County), AND DELAWARE (Remainder of County) COUNTIES
Ironworkers: (Structural, Ornamental, and Reinforcing).....$ 33.60  

The following holidays shall be observed, and when work is performed thereon it shall be paid for at twice the base wage rate: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

LABO0057-001 05/01/2017

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LABORERS CLASSIFICATIONS

GROUP 1: Yardwork Laborers; Scale Mixermen; Burnermen, Feeders; Dustmen

GROUP 2: General Laborer; Asphalt Shovelers; Sheeting, Shoring & Lagging Laborers; Stone, Granite & Artificial Stone Setting Laborer; Hod Carriers; Scaffold Builders; Relief Joints & Approach Slabs; Assembling & Placing Gabions; Pneumatic Tool Laborers; Concrete Forms & Stripping Laborers; Concrete & Lumber Material Laborers; Steel & Steel Mesh (Carrying & Handling); Form Pinners; Mortar Mixers; Pouring & Placing Concrete; Grade Men

GROUP 3: Vibrator Laborer; Finish Surface Asphalt Rakers; Jackhammer Operators; Paving Breaker Operator; Pipelayer & Caulker (all joints up to within 5 feet of the Building Foundation Line); Conduit & Duct Layers

GROUP 4: Flagperson

GROUP 5: Miners

GROUP 6: Burners

GROUP 7: Miner Bore Driver; Blasters; Drillers; Pneumatic Shield Operator
GROUP 8: Form Setters

GROUP 9: Trackmen; Brackmen; Groutmen; Bottom Shaft Men; All Other Laborers in Free Air Tunnels; Underpinning (When an underpinning excavation is dug eight feet or more below the natural grade or where an excavation for a pier hole of five feet square or less and eight feet or more deep is dug, the rate shall apply only after a depth of eight feet is reached, to the men working in the bottom)

GROUP 10: Circular Caissons (Where an excavation for circular caissons are dug eight feet or more below the natural grade level adjacent to the starting point of the caisson hole, at ground level, for the men working in the bottom); Welders, Burners & Air Tuggers

GROUP 11: Powderman; Multiple Wagon Drill Operator

GROUP 12: Toxic/Hazardous Waste Handler

GROUP 13: Wagon Drill/Hydraulic Track Drill Operator

LAB00413-005 04/01/2016

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
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<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscaping</td>
<td></td>
</tr>
<tr>
<td>Farm Tractor Driver,</td>
<td>$ 21.19</td>
</tr>
<tr>
<td>Hydoseeder Nozzlem,</td>
<td></td>
</tr>
<tr>
<td>Mulcher Nozzlem.........</td>
<td>22.37+A</td>
</tr>
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</table>

FOOTNOTE:


PAIN0021-003 02/01/2017

<table>
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<tr>
<td></td>
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<tr>
<td>Painters:</td>
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<tr>
<td>Bridge................</td>
<td>$ 53.67</td>
</tr>
<tr>
<td>All Other Work..........</td>
<td>24.47</td>
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PLAS0592-008 05/01/2017

<table>
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<tr>
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<tr>
<td>CEMENT MASON/CONCRETE FINISHER...</td>
<td>$ 34.45</td>
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<tr>
<td></td>
<td>31.51</td>
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</tbody>
</table>

PLUM0420-001 05/01/2017

<table>
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<tbody>
<tr>
<td></td>
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</tr>
<tr>
<td>Steamfitter</td>
<td></td>
</tr>
<tr>
<td>Bucks, Chester, Delaware,</td>
<td></td>
</tr>
<tr>
<td>Montgomery and</td>
<td></td>
</tr>
<tr>
<td>Philadelphia Counties.....</td>
<td>$ 54.64</td>
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<td></td>
<td>32.54</td>
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</table>


7/21/2017
<table>
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<tr>
<th></th>
<th>Rates</th>
<th>Fringes</th>
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<tbody>
<tr>
<td>Plumber</td>
<td>$ 51.42</td>
<td>32.27</td>
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<table>
<thead>
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<th>Rates</th>
<th>Fringes</th>
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<tbody>
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</tbody>
</table>

Truck Drivers:
- **Group 1**: $ 29.702  17.1425+a+b
- **Group 2**: $ 29.802  17.1425+a+b
- **Group 3**: $ 30.052  17.1425+a+b

**Truck Drivers Classifications**

**Group 1** - Stake body truck (single axle, dumpster)

**Group 2** - Dump trucks, tandem and batch trucks, semi-trailers, agitator mixer trucks, and dumpcrete type vehicles, asphalt distributors, farm tractor when used for transportation, stake body truck (tandem)

**Group 3** - Euclid type, off-highway equipment or belly dump trucks and double hitched equipment, staddle (ross) carrier, low-bed trailers

**Footnote:**

A. **Paid Holidays:** Memorial Day, Independence Day, Labor Day, Thanksgiving Day and five personal holidays provided employee works at least one day in the three work days before and at least one day in the three work days after the said holiday. Employee earns a personal holiday every two months, provided employee has worked twenty-six day in each consecutive two month period, up to a maximum of five per calendar year. After 130 work days the employee is entitled to all five personal holidays.

B. **Paid Vacation:** Employee will earn one vacation day for every two months, provided employee has worked twenty-six day in each consecutive two month period, up to a maximum of five vacation days per calendar year. After 130 workdays the employee is entitled to all five days of vacation. Employees with 5 years of seniority, earn an additional week of vacation, accrued in the same way.

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**Welders** - Receive rate prescribed for craft performing operation to which welding is incidental.

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**Note:** Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and
non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION
The Contractor shall comply with the conditions listed below for this construction contract.

1. **Steel Products Procurement Act**

   In accordance with the Act of March 3, 1978 (P.L. 6, No. 3), as amended, known as the “Steel Products Procurement Act” (73 P.S. Section 1881 et seq.), the Contractor, subcontractors, material men, or suppliers shall use only steel products produced in the United States. "Steel products" mean products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed by a combination of two or more of such operations, from steel made in the United States by the open hearth, basic oxygen, electric furnace, Bessemer, or other steel making process, including cast iron products. With each shipment of steel or cast iron products delivered to the project site, the Contractor shall provide evidence to the Game Commission’s field representative that such steel products comply with the Act. When Unidentified Steel Products are supplied, the Contractor must provide documentation which includes, but is not limited to: invoices, bills of lading, and mill certification that the steel was melted and manufactured in the United States, which establishes that the Contractor has fully complied with the Act. If a steel product is identifiable from its face, the Contractor must provide certification that it has fully complied with the Act.

   The definition of steel products shall include machinery and equipment listed in United States Department of Commerce Standard Industrial Classification 25 (furniture and fixture), 35 (machinery, except electrical) and 37 (transportation equipment) and made of, fabricated from, or containing steel components. If a product contains both foreign and United States steel, such product shall be determined to be a United States steel product only if at least 75% of the cost of the articles, materials and supplies have been mined, produced or manufactured, as the case may be, in the United States. Transportation equipment shall be determined to be a United States steel product if it complies with Section 165 of Public Law 97-424 (96 Stat. 2136).

   The Commission shall not provide for, or make any payments to, any person who has not complied with the Act. Any such payments made to any person by the Commission which should not have been made as a result of the Act shall be recoverable directly from the Contractor or subcontractor who did not comply with the Act. In addition to the above penalties, any person who willfully violates the provisions of the Act shall be subject to other penalties outlined in the Act.

2. **Trade Practices Act**

   In accordance with the Act of July 23, 1968 (P.L. 686, No. 226), as amended, known as the “Trade Practices Act” (71 P.S. Section 773.101 et seq.) the Contractor shall not use or permit to be used in the work any aluminum or steel products made in a foreign country which is listed below as a foreign country which discriminates against aluminum or steel products manufactured in Pennsylvania. The countries of Brazil, Spain, South Korea, and Argentina have been found to discriminate against certain products manufactured in Pennsylvania. Therefore, the use of those countries’ products, as listed below, are not permitted:
a. Brazil: welded carbon steel pipes and tubes; carbon steel wire rod; tool steel; certain stainless steel products including hot-rolled stainless steel bar; stainless steel wire rod and cold-formed stainless steel bar; prestressed concrete steel wire strand; hot-rolled carbon steel plate in coil; hot-rolled carbon steel sheet; and cold-rolled carbon steel sheet.

b. Spain: certain stainless steel products, including stainless steel wire rod, hot-rolled stainless steel bars; and cold-formed stainless steel bars; prestressed concrete steel wire strand; and certain steel products including hot-rolled steel plate, cold-rolled carbon steel plate, carbon steel structural shapes, galvanized carbon steel sheet, hot-rolled carbon steel bars, and cold-formed carbon steel bars.

c. South Korea: welded carbon steel pipes and tubes; hot-rolled carbon steel plate; hot-rolled carbon steel sheet; and galvanized steel sheet.

d. Argentina: carbon steel wire rod and cold-rolled carbon steel sheet.

Penalties for violation of this paragraph may be found in the Trade Practices Act, which penalties include becoming ineligible for public works contracts for a period of three (3) years. This paragraph in no way relieves the Contractor of responsibility to comply with the provisions of the Steel Products Procurement Act described herein.

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 to the Game Commission for processing of the purchase order for the project.
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:

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

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:

<table>
<thead>
<tr>
<th>STATE</th>
<th>PREFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Hawaii</td>
<td>15%</td>
</tr>
<tr>
<td>2. Idaho</td>
<td>10%</td>
</tr>
<tr>
<td>3. Louisiana</td>
<td>3%</td>
</tr>
<tr>
<td>4. Montana</td>
<td>8%</td>
</tr>
<tr>
<td>5. New Mexico</td>
<td>5%</td>
</tr>
<tr>
<td>6. Wyoming</td>
<td>10%</td>
</tr>
</tbody>
</table>

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:
<table>
<thead>
<tr>
<th>STATE</th>
<th>PREFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>5% (supplies only)</td>
</tr>
<tr>
<td>Arizona</td>
<td>3% (construction materials from Arizona resident dealers only)</td>
</tr>
<tr>
<td>California</td>
<td>5% (for supply contracts only in excess of $100,000.00)</td>
</tr>
<tr>
<td>Connecticut</td>
<td>13% (for supplies only)</td>
</tr>
<tr>
<td>Montana</td>
<td>3%</td>
</tr>
<tr>
<td>New Mexico</td>
<td>5% (for supplies only)</td>
</tr>
<tr>
<td>South Carolina</td>
<td>2% (under $2,500,000.00)</td>
</tr>
<tr>
<td></td>
<td>1% (over $2,500,000.00)</td>
</tr>
<tr>
<td></td>
<td>This preference does not apply to construction contracts nor where the price of a single unit exceeds $10,000.</td>
</tr>
<tr>
<td>West Virginia</td>
<td>2.5% (for the construction, repair or improvement of any buildings)</td>
</tr>
<tr>
<td>Wyoming</td>
<td>5%</td>
</tr>
</tbody>
</table>

**STATE PROHIBITION**

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

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

<table>
<thead>
<tr>
<th>STATE</th>
<th>PROHIBITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Only for printing and binding involving &quot;messages of the Governor to the Legislature&quot;, 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/</td>
</tr>
<tr>
<td>Georgia</td>
<td>Forest products only</td>
</tr>
<tr>
<td>Indiana</td>
<td>Coal</td>
</tr>
<tr>
<td>Michigan</td>
<td>Printing</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Construction</td>
</tr>
<tr>
<td>Ohio</td>
<td>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.</td>
</tr>
<tr>
<td>Rhode Island</td>
<td>Only for food for state institutions.</td>
</tr>
</tbody>
</table>

*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).
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.

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>NAME OF MANUFACTURER</th>
<th>STATE (OR FOREIGN COUNTRY) OF MANUFACTURE</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

IV. BIDDER’S RESIDENCY

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

Correct Address:  
______  
______  
______
B. In order to claim the preference provided under Section I.B., Pennsylvania resident bidders must complete the following or have such information on file with the Issuing Office:

1. Address of bidder's bona fide establishment in Pennsylvania at which it was transacting business on the date when bids for this contract/requisition were first solicited: ______

2. a. If the bidder is a corporation:

   (1) The corporation □ is or □ is not incorporated under the laws of the Commonwealth of Pennsylvania.
      
      (a) If the bidder is incorporated under the laws of the Commonwealth of Pennsylvania, provide date of incorporation: ______

      (b) If the bidder is not incorporated under the laws of the Commonwealth of Pennsylvania, it must have a certificate of authority to do business in the Commonwealth of Pennsylvania from the Pennsylvania Department of State as required by the Pennsylvania Business Corporation Law (15 P.S. §2001). Provide date of issuance of certificate of authority: ______

   (2) The corporation □ is or □ is not conducting business in Pennsylvania under an assumed or fictitious name. If the bidder is conducting business under an assumed or fictitious name, it must register the fictitious name with the Secretary of the Commonwealth and the office of the prothonotary of the county wherein the registered office of such corporation is located as required by the Fictitious Corporate Name Act, as amended 15 P.S. §51 et seq. Corporate bidder's conducting business under an assumed or fictitious name must provide date of registry of the assumed or fictitious name: ______

b. If the bidder is a partnership:

   (1) The partnership □ is or □ is not conducting business in Pennsylvania under an assumed or fictitious name. If the bidder is conducting business under an assumed or fictitious name, it must file with the Secretary of the Commonwealth and the office of the prothonotary the county wherein the principal place of business is located as required by the Fictitious Name Act of May 24, 1945, P.L. 967, as amended 54 P.S. §28.1. Partnerships conducting business under an assumed or fictitious name must provide the date of filing of the assumed or fictitious name with the Secretary of the Commonwealth: ______

   (2) The partnership □ is or □ is not a limited partnership formed under the laws of any jurisdiction other than the Commonwealth of Pennsylvania. If the bidder is an Out-of-state limited partnership, it must register with the Pennsylvania Department of State as required by the Act of July 10, 1981, P.L. 237, as amended, 59 Pa. C.S.A. §503. Out-of-state limited partnerships must provide the date of registry with the Pennsylvania Department of State: ______

c. If the bidder is an individual:

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

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

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

Section 1 – Summary of Work
Section 2 – Erosion and Sedimentation Control
Section 3 – Stripping
Section 4 – Aggregate
Section 5 – Concrete Sidewalks
Section 6 – Guard Posts
Section 7 – Mulch
Section 8 – Target Stations
Section 9 – Sand Pit Target
Section 10 – Chain Link Fence
Section 11 – Handicapped Sign

DRAWINGS

The following drawings are included:

1 of 3 Location Map, Site Plan and Notes
2 of 3 Parking Lot and Sidewalk Details
3 of 3 Target Station Details
TECHNICAL SPECIFICATION SECTION 1 - SUMMARY OF WORK

1.1 – SCOPE OF PROJECT

The intent of this project is to construct a new archery range on State Game Lands #234, Limerick Township, Montgomery County. The project consists of installing silt sock for erosion and sedimentation control, stripping sod from the work areas, constructing a stone surface parking area, concrete sidewalks, target stations and guard posts, and installing a chain link fence around the perimeter of the new range.

1.2 – WORK AREA

The new archery range is on State Game Lands #234 which is about 4 miles north of US Route 422 between Pottstown and Schwenksville. The project site is located along Pheasant Road (SR4019). The work area is a fairly level grassed field along the roadway. The site is owned by the Pennsylvania Game Commission (PGC).

1.3 – WORK HOURS

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

1.4 – ACCESS TO WORK AREA

Access to the new range is from Pheasant Road. Use the existing driveway entrance to access the site. The Contractor must keep public roads open to travel and repair any ruts or other damage caused by construction equipment.

1.5 – PROJECT LAYOUT

The Contractor shall stake out the range features using the offset dimensions shown on the Drawings. The PGC will assist the Contractor with the project layout at a pre-construction meeting. The Contractor is responsible for horizontal and vertical layout. All stakes, targets, grade markers, etc. used to establish locations and lines are the responsibility of the Contractor.
1.6 – PERMITS, LAWS AND REGULATIONS

The PGC is not aware of any permits required for construction of the 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 – SCHEDULE

The Contract is to be completed by September 29, 2017. If the work is delayed by weather or other conditions beyond the contractor’s control, the PGC will consider extending the completion date.
TECHNICAL SPECIFICATION SECTION 2 - EROSION AND SEDIMENTATION CONTROL

2.1 - SCOPE

This work is implementing the erosion and sedimentation control measures contained on the drawings and described herein. Compliance with Chapter 102 of the Department of Environmental Protection's regulations is also required.

2.2 – PROCEDURE

Install the silt sock around the spoil area as shown on the Drawings before any earth disturbance activities occur at the site. Maintain the silt sock for the duration of construction.

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.

2.3 - MEASUREMENT AND PAYMENT

Lump Sum.
TECHNICAL SPECIFICATION SECTION NO. 3 - STRIPPING

3.1- SCOPE

This work is removal, hauling, and disposal of all materials encountered for construction of the new archery range as indicated on the Drawings, or designated by the Game Commission.

Stripping operations are only to remove the sod and top layer of organic soil for construction of the new range features. Site grading is not required; the range features shall be sloped to go with the existing site contours and grades.

3.2 - PROCEDURE

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

The Contractor is required to contact the PA One Call System at 1-800-242-1776 prior to earthmoving operations at the site.

The Contractor is responsible for laying out the new archery range and setting grade and line from the dimensions shown on the Drawings. Do not over-excavate because unauthorized excavation and replacement of materials in the over-excavated areas will not be measured and paid for. Replace over-excavated work with concrete, gravel, earth or other materials designated by, and at no additional cost to the Game Commission.

B. Stripping - Remove all materials to the limits shown on the Drawings or as necessary to construct the archery range.

C. Disposal – Suitable soil material can be used for backfill of range features. The Contractor is required to transport and stockpile the stripped material to the spoil area adjacent to the new parking area. The Contractor is responsible for repairing any damage to the existing field area caused by trucks and other equipment used to transport and spoil the stripped material.

3.3 - MEASUREMENT AND PAYMENT

Measurement will be in cubic yards, measured by the average end area method or by three dimensional volume method, as applicable.

Payment will be made at the contract unit price per cubic yard for “Stripping”, which price shall include full compensation for the work described. No separate measurement or payment for using the stripped material to backfill the completed range features.
4.1 - SCOPE

This work is placing stone for construction of the parking lot and for the subbase of the concrete sidewalks. Construction of the handicapped parking area and backfilling around the target stations is also included.

4.2 - MATERIALS

Stone for the handicapped parking area shall be AASHTO #10 as specified in Section 703.2 of PennDOT Pub. 408.

Stone for construction of the parking lot and for the subbase of the concrete sidewalks shall be #2A coarse aggregate as specified in Section 703.2 of PennDOT Pub. 408. #2A coarse aggregate shall also be used as backfill around the target stations.

Obtain the stone from a source listed in PennDOT Bulletin 14.

4.3 - PROCEDURE

Place stone in the dry. Place the stone in one layer and compact with a roller to the required minimum thickness of 6-inches for the parking lot. Compaction of the stone shall be considered satisfactory on the basis of non-movement of the materials under compaction equipment. The #2A coarse aggregate shall be 4-inches thick in the handicapped parking area. Surface this area with a 2-inch layer of AASHTO #10 stone.

Grade the areas for the concrete sidewalks for placement of #2A coarse aggregate. Place a 4-inch layer of stone. Rake and compact as necessary to provide an even surface for formwork and concrete placement.

Place the stone around the installed target station posts. The top level of the stone should match the top of the sidewalk and existing ground around the target stations. The thickness of the stone should be around 8-inches. Rake the stone to provide an even surface for foot traffic; compaction of the stone in these areas is not required.

4.4 - MEASUREMENT AND PAYMENT

Cubic yards for each type of stone (#2A coarse aggregate and AASHTO #10), measured by the average end area method or by three dimensional volume method, as applicable.
TECHNICAL SPECIFICATION SECTION NO. 5 – CONCRETE SIDEWALKS

5.1 - SCOPE

This work is construction of the sidewalks at the new archery range.

5.2 - MATERIALS

A – Concrete - Concrete shall be composed of Portland cement, water, fine and coarse aggregates and approved admixtures, all well mixed and brought to the proper consistency.

1. Concrete shall be PennDOT Class A and shall develop a minimum compressive strength of 3,300 psi in twenty-eight (28) days.

2. Concrete shall be obtained from a batch plant currently approved by the Pennsylvania Department of Transportation (PennDOT).

3. Ready-mixed concrete shall be mixed and delivered in accordance with ASTM Designation C94.

Polypropylene fibers shall be included in the concrete mix. Cement shall be Type IA or IIA conforming to ASTM C 150. All materials shall be obtained from sources listed in PennDOT Bulletin 14 or PennDOT Bulletin 15.

B – Preformed Expansion Joint Filler – Preformed expansion joint filler shall be ½-inch thick gray sponge rubber conforming to AASHTO M153, Type 1. Joint filler shall be solid sponge rubber; no reprocessed material will be accepted. Joint filler made of numerous pieces of sponge rubber which adhere to each other will not be accepted.

C - Joint Seal Material - The joint seal material shall conform to the requirements of ASTM C290 such as Sikaflex-2c or Sikadur 51 as manufactured by the Sika Corporation, Lyndhurst, New Jersey or an approved equal. The material shall be stored as recommended by the manufacturer.

D - Curing Compound - The curing compound shall be clear or translucent containing a red fugitive dye conforming to the requirements of AASHTO M148, Type 1-D, and must not affect water in any respect to injure fish life or impair or be detrimental to water for human consumption. The curing compound shall be stored as recommended by the manufacturer.
5.3 – PROCEDURE

A – Preparation of Concrete Foundation Areas – Place and compact a 4-inch layer of #2A coarse aggregate to provide a stable, even surface for placement of concrete for the sidewalks. Moisten the surface of the aggregate before placing concrete.

B – Expansion Joints - Place preformed expansion joint filler in every third joint and at intersections in the sidewalk as shown on the Drawings. Sidewalk joints shall be every eight feet for the main sidewalk and every five feet for the sidewalks to the target stations. The joint material shall be clean and free of dust, grit, mud, oil or grease, and shall be held firmly in place to avoid displacement during concreting.

C – Formwork - Forms shall conform to the shapes, lines, grades, and dimensions of the concrete as called for on the Drawing. They shall be sufficiently tight to prevent leakage of mortar and shall be properly braced or tied together so as to maintain the desired position and shape during and after placing concrete. Forms shall be removed in such a manner as to assure the complete safety of the structure.

D - Depositing - Concrete shall be deposited in the presence of a representative of the Game Commission.

In all cases, concrete shall be deposited as nearly as practicable in its final position and not allowed to flow in a manner to permit or cause segregation and loss of slump. Once concreting is started, the operation shall be carried on continuously until the placing of the panel or section is completed.

All conveying equipment shall be of such size and design as to insure a practically continuous flow of concrete at the forms. Free falls of more than four (4) feet are not permitted.

Any concrete that has been contaminated by foreign matter or which has become so stiff that proper placing can not be assured, shall be wasted.

If unfavorable weather conditions exist, the Game Commission may order the work stopped, either before concreting has started or after it is in progress, until a suitable formwork or covering is set up on the site to protect fresh concrete from rain, hail, snow, or other unfavorable conditions.

E- Finishing Concrete - All unformed surfaces shall be finished in accordance with the following requirements by a skilled concrete finisher:

Immediately after placement of concrete is completed, the surface shall be leveled and screeded sufficiently to produce an even, uniform texture.
Floating shall be done by hand or power-driven equipment. Floating shall not start until some stiffening has taken place in the surface concrete and the moisture film or "shine" has disappeared. The floating should work the concrete no more than necessary to produce a surface that is uniform in texture and free of screed marks. Any necessary cutting or filling of surface to prevent irregularities should be done during the floating operations. Joints and edges shall be finished with edging tools at this time.

After floating is completed, apply a light broom finish to the top surface of unformed concrete. Light surface pitting and light trowel marks are not objectionable.

**F – Curing Concrete** - After finishing operations are completed, the concrete shall be membrane cured. Curing compound shall be applied in two (2) coats, each coat covering 300 square feet of concrete surface per gallon. A pressure tank type spraying equipment shall be used, which shall provide continuous agitation of the compound during coating operations. Do not use ordinary orchard-type hand sprays. In order to insure thorough and complete coverage of the concrete surfaces, the first coat shall be applied by moving the spray gun back and forth in one direction, and the second coat immediately thereafter by moving the spray gun at right angles to the direction of the first coat.

The first coat shall be applied immediately after finishing operations are completed. The second coat shall be applied immediately after the first coat has set.

**G – Protection of Concrete** - All concrete shall be protected against injury until final inspection and acceptance by the Game Commission.

During the construction period, the concrete shall be protected from damaging mechanical disturbances, such as load stresses, heavy shock, and excessive vibration. All finished concrete surfaces shall be protected from damage by construction equipment, materials or methods, by application of curing procedures, and by rain or running water.

Until final inspection and acceptance by the Game Commission, the Contractor shall repair, or remove and replace any damaged concrete at no additional cost to the Game Commission.

**H – Sealing Expansion Joints** - Use a caulking gun to place a ½-inch bead of joint seal material over the preformed joint filler material in the expansion joints. Use masking tape on each side of the joint to prevent the joint seal material from leaking over the slab.

**5.4 - MEASUREMENT AND PAYMENT**

For concrete, measurement will be in cubic yards, measured by the average end area method or by the three dimensional volume method, as applicable.

Payment will be made at the unit price per cubic yard bid for "Concrete Sidewalks"; which price shall include the furnishing of cement, fine and coarse aggregates; admixtures, forms, all labor and equipment for mixing, placing, curing, finishing,
repairing and forming; and all labor, materials, and appurtenances necessary to do and complete the work.

No separate measurement or payment for polypropylene fibers in the concrete mix.
TECHNICAL SPECIFICATION SECTION 6 – GUARD POSTS

6.1 -SCOPE

This work is furnishing and installing wooden guard posts along the edge of the parking area. The guard posts in the target line paths will be installed in steel casings so that they can be removed for future maintenance on the new range.

6.2 – MATERIALS

A - Guard Posts - The guard posts shall have nominal dimensions of 8”x8” and conform to the following characteristics.

   1) Southern Yellow Pine – Dimension Lumber
   2) Structural Grade No. 2
   3) Pressure Treated, ACQ (waterborne preservative), 0.40 pcf retention in conformance with American Wood Preservers Association Standards U1, T1, UC1, UC2, UC3A, UC3B, UC4A, UC4B.

6.3 - PROCEDURE

Drill or auger the soil at the locations to the depth shown on the Drawings on 6-feet centers along the edge of the parking area. Set the posts plumb in the holes and backfill around the posts with the excavated material. Firmly tamp the backfill in 6-inch lifts around the posts. Place mulch around the guard posts in the median area after backfilling operations are complete.

6.4 - MEASUREMENT AND PAYMENT

Each. No separate measurement or payment for excavation and backfill around the guard posts.
TECHNICAL SPECIFICATION SECTION 7 – MULCH

7.1 -SCOPE

This work is installing mulch in the median areas between the parking lot and main sidewalk.

7.2 – MATERIALS

Mulch consists of ground up hardwoods and colored black through a dyeing process. The dye must be an environmentally safe water based product. The mulch must be at least double shredded so that it has an even fine consistency.

7.3 - PROCEDURE

Install the guard posts in the median areas after completion of the sidewalk and parking area. Grade the median area so that the base surface is relatively flat and even. Place mulch so that is around 6-inches thick and even with the top edge of the sidewalk and stone in the parking area.

7.4 - MEASUREMENT AND PAYMENT

Cubic yards measured by the average end area method.
TECHNICAL SPECIFICATION SECTION NO. 8 – TARGET STATIONS

8.1 - SCOPE

This work is fabrication and installation of the target stations at the new archery range.

8.2 - MATERIALS

A – Pressure Treated Wood – Wood for the protective fence shall be Structural Grade No. 2, pressure treated ACQ (waterborne preservative) with a 0.4 pcf retention in conformance with the American Wood Preservers Association (AWPA) Standard UC3b. The 8” x 8” posts shall have 0.6pcf retention.

B – Fasteners – Polymer plated suitable for use in pressure treated wood. #10 x 3-inch star drive flat head wood deck screws.

C – Lag Bolts – ½” x 14-inch galvanized carriage bolts with galvanized nut and washer.

D – Hinges – 6-inch galvanized steel strap hinge with brass hinge pin (Stanley Part #17-1170 or approved equal).

E – Hasps – 6-inch zinc plated latch post safety hasp (Everbuilt Part #16076 or approved equal).

8.3 - PROCEDURE

Fabricate the target stations using the dimension lumber cut to size as shown on the Drawings. Secure the wood pieces with the specified fasteners (carriage bolts and deck screws). Install the hinges on the inside faces of the rear door boards. Make sure that the doors swing freely. Attach the hasps to the outside face of the target wall board.

Excavate holes for the wood posts on the spacing as shown on the drawings. Place the posts in the holes and hold the posts plumb and level during backfilling operations. Tamp the backfill in place in layers not exceeding six inches. Use a string to keep the posts in line.

Backfill around the target stations with an 8-inch thick layer of #2A coarse aggregate. The top of the stone should be even with the sidewalk and ground. Rake the top surface of the stone so that it is flat and even.

NOTE – The PGC will supply and install the targets and locks on the installed stations.

8.4 - MEASUREMENT AND PAYMENT

Each.
TECHNICAL SPECIFICATION SECTION 9 – SAND PIT TARGET

9.1 -SCOPE

This work is constructing a sand pit target station using precast concrete blocks, pressure treated wood and sand. The sand pit target station is at a 20-yard distance.

9.2 - MATERIALS

Precast Concrete Blocks - The precast concrete blocks shall be plain blocks with end and top grooves and keyways. The blocks should also be equipped with steel lifting rings or rebar. Plain finish blocks are required – no patterns. The blocks shall be two different sizes; 2’ x 2’ x 6’ and 2’ x 2’ x 3’.

Pressure Treated Wood – The wood roof pieces shall have the nominal dimensions as shown on the Drawings and conform to the following characteristics.

1) Southern Yellow Pine – Dimension Lumber
2) Structural Grade No. 2
3) Pressure Treated, ACQ (waterborne preservative), 0.40 pcf retention in conformance with American Wood Preservers Association Standards U1, T1, UC1, UC2, UC3A, UC3B, UC4A, UC4B.

Fasteners – Polymer plated suitable for use in pressure treated wood. #10 x 3-inch star drive flat head wood deck screws. For attaching the nailers to the precast concrete blocks, use 3/16” x 3-1/4” Phillips flat-head concrete anchors (Tapcons).

Rebar – Deformed steel #4 bar conforming to Section 709.1 of PennDOT Publication 408, Grade 60.

Sand – Mortar Sand, Type C conforming to the requirements of Section 703.1 of PennDOT Publication 408. Obtain the sand from a PennDOT approved supplier.

9.3 - PROCEDURE

Lay out the limits of the of the sand pit target station according to the dimensions shown on the drawings. Excavate to the proper depth for placement of the bottom course of blocks. Use #2A coarse aggregate in the base to provide an even and level surface for the blocks to sit on. The first course of blocks should start approximately 4-inches below finished grade.

Place the first course of blocks. Trim the protruding end keys for the back wall blocks that would interfere with the adjacent side wall blocks. Make sure that the blocks fit together snugly. Prepare the base for the next layer of blocks. Continue with placement of the blocks to form the walls of the target station.
Place the 8” x 8” timbers in the front opening of the target station along the sidewalk. The bottom timber should extend 4-inches above the top of the concrete sidewalk. Drill holes through the timbers and pound 3 pieces of #4 rebar in the holes to secure the timbers.

Attach the 2” x 6” pressure treated wood nailers to the top surface of the top row of blocks as shown on the Drawings. Secure the nailers to the blocks with the concrete anchors. Use a concrete anchor every 24-inches. Place the 2” x 12” roof boards on the nailers and secure them with the deck screws. Attach the center nailer to the underside of the roof boards with deck screws.

Fill the target station with sand. The sand should slope back from the top of the timbers at the front of the station on a 1H:1V angle. Compaction of the sand is not required.

9.4 - MEASUREMENT AND PAYMENT

Lump Sum.
TECHNICAL SPECIFICATION NO. 10 - CHAIN LINK FENCE

10.1 - SCOPE

This work is furnishing and installing chain link around the new archery range as shown on the Drawings.

10.2 - MATERIALS

A - Fence - Fabric, posts, and hardware shall meet the following requirements:

1. - Fabric - Fabric shall be Class 2b, PVC-coated, galvanized steel wire fabric, conforming to the requirements of ASTM F 668 with the following modifications: The steel wire shall be at least 9 gage. The color of the vinyl coating shall be forest green. The size of the mesh shall be 2 inches. The fabric shall be knuckled at both selvages. All cut ends shall be coated with vinyl, at the factory, during the weaving process.

2. - Posts - Posts will be referred to as "terminal" or "line". Terminal posts include corner, angle, pull, and end posts. Line posts are also known as "intermediate" posts. Pipes for posts shall be of galvanized steel conforming with the requirements of either ASTM F 1083(Schedule 40) or ASTM F 1043(such as Allied SS 40 or equivalent) except that the weight of zinc coating shall not be less than 2 ounces per square foot. The nominal sizes of terminal and line posts shall not be less than 2 inches and 1-1/2 inches respectively.

3. - Top Rail - Top rail shall not be less than 1-1/4 inch nominal size galvanized steel pipe conforming with the requirements of ASTM F 1083, Schedule 40, except that the weight of zinc coating shall not be less than 2 ounces per square foot.

4. - Bottom Wire - Bottom wire shall be galvanized and vinyl-coated coil spring tension wire. The galvanized core wire shall not be less than 7 gage in size, and it shall be vinyl coated conforming to the same requirements as those of the fabric mentioned in Section 30.3A1 above.

5. - Braces - When required, braces shall not be less than 1-1/4 inch nominal size galvanized steel pipe conforming with the requirements of ASTM F 1083, Schedule 40, except that the weight of zinc coating shall not be less than 2 ounces per square foot.

6. - Truss Rods - When required, truss rods shall not be less than (3/8) inch diameter steel rods conforming with the requirements of ASTM F 626, except that the weight of the zinc coating shall not be less than 2 ounces per square foot. Truss rods shall be provided with suitable turnbuckles.

7. - Fittings - All fittings shall conform with the requirements of ASTM F 626. Terminal post caps shall be fitted with stainless steel recessed allen wrench head set screws for anchoring the cap to the post.
8. – **Hardware** – All hardware (bolts, nuts, washers, etc.) shall be of commercial quality or better, and shall be galvanized in accordance with the requirements of AASHTO M 232.

**B - Concrete Footings** - Concrete footings for terminal posts shall be Class A concrete, conforming with the requirements of Section 5.2A of these Technical Specifications.

In lieu of Class A concrete mentioned above, concrete made from dry, packaged, combined materials conforming to ASTM C 387 may be used. 28 days compressive strength of the concrete shall not be less than 3,300 psi. Store the materials in accordance with the manufacturer's recommendations.

10.3 - **SHOP DRAWINGS, TESTS, AND CERTIFICATIONS**

At least 5 days in advance of installation, submit shop drawings of fences to the PGC for review and approval. The shop drawings shall show type, size, and quality of all materials. Do not order any materials without the approval of the shop drawings.

10.4 - **PROCEDURE**

**A – Placing Fence on Earth** – Identify post locations. Auger footing holes (9-inch-diameter for line posts and 15-inch-diameter for terminal posts). The depth of holes for line posts is 24-inches. The depth of holes for terminal posts is 36-inches. Set posts, centered and plumb, on the bottom of the holes. Place and tamp backfill. Use earth backfill for line posts and concrete backfill for terminal posts. Crown the finished surface to shed water.

**B – General** – Install fence posts in proper horizontal alignment with the top of the posts in proper vertical alignment. Posts shall be equally spaced not more than 10 feet apart.

Insert top rails through the base of the line post caps, with expansion couplings joining the rails to form a continuous brace for each stretch of fence between terminal posts. Outside sleeve type expansion couplings shall be at least 6 inches long and shall be installed at spacings recommended by the manufacturer. Securely fasten the top rails to the terminal and gate posts by rail ends and brace bands. Install bottom wire as shown on the Drawings.

Braces will be required only when recommended by the manufacturer. Install braces at terminal and corner posts, midway between the top rail and the bottom wire, extending from the terminal or corner post to the adjacent line posts. Place the truss rods with turnbuckles between the brace end on the line post and the bottom wire end on the terminal post.

Securely fasten the fabric to all posts, top rail, and bottom wire at intervals of not more than 14 inches. Fasten fabric to the outside or most commonly seen side of the posts. Place fabric parallel to the base surface. The nominal distance between the base surface and the fabric shall be 2 inches and shall not exceed 3 inches.

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At no additional cost to the PGC, repair or replace all damaged fence components; and apply a manufacturer recommended vinyl repair paint to all exposed surfaces of fabric wire.

10.5 - MEASUREMENT AND PAYMENT

Linear foot, measured from center to center of terminal posts.

No separate measurement or payment will be made for excavation, concrete footings and all other materials, and the costs of such shall be considered incidental to this work.
TECHNICAL SPECIFICATION SECTION 11 – HANDICAPPED SIGN

11.1 - SCOPE

This work is furnishing and installing a sign on a wood post to delineate the handicapped parking area.

11.2 – MATERIALS

A - Wooden Post - The wooden post shall have nominal dimensions of 4” x 4” and conform to the following characteristics.

1) Southern Yellow Pine – Dimension Lumber
2) Structural Grade No. 2
3) Pressure Treated, ACQ (waterborne preservative), 0.40 pcf retention in conformance with American Wood Preservers Association Standards U1, T1, UC1, UC2, UC3A, UC3B, UC4A, UC4B.

B - Sign - The sign shall conform to the dimensions and configurations for R7-8 signs as listed in the Manual on Uniform Traffic Control Devices (MUTCD), 2003 Edition from the Federal Highway Administration. A drawing for this sign is attached to this specification. The sign shall be on 0.080 aluminum sheet.

11.3 - PROCEDURE

The sign (R7-8) is to be placed at the center guard post in the handicapped parking area by attaching the sign to wood post. The wood post is to be attached to the guard post with two ¾” x 12” galvanized lag screws. The top of the post is to be 6-feet above finished grade. Secure the sign to the top of the post with corrosion resistant lag screws as recommended by the sign manufacturer.

11.4 - MEASUREMENT AND PAYMENT

Each.