Specification 6523 Montgomery County Department of Assets & Infrastructure, Division of Roads & Bridges, 2027-28 Guide Rail On-Call Package

TECHNICAL SPECIFICATIONS

SUMMARY

This project involves the repair, replacement, upgrade or new installation of guide rail at Montgomery County bridges and roadways as necessary. This is a 2-year contract, and the work is on-call as authorized by the county representative not to exceed $150,000. Locations and scope of work will be provided to the contractor as they are identified by the County.

FUNCTIONAL REQUIREMENTS

A. Project Duration: This Contract shall be for a period of two (2) years from the date established in the Notice to Proceed, unless otherwise specified in the Contract Documents.

B. Maximum Contract Amount: The maximum aggregate expenditure under this Contract shall not exceed One Hundred Fifty Thousand Dollars ($150,000.00) over the entire two-year Contract term. Repair costs reimbursed to the County through accident insurance claims will not be included in the maximum aggregate expenditure.

C. Basis of Bid and Award: The quantities identified in the Bid Proposal are estimates provided solely to establish a uniform basis for competitive bidding. The total extended bid amount, calculated using the estimated quantities and the respective unit prices submitted by each Bidder, shall be used to determine the lowest responsive and responsible bidder.

   The total extended bid amount is for bid evaluation purposes only and shall not establish the Contract award amount or represent a commitment by the County to purchase the estimated quantities.

   Regardless of the total extended bid amount, the maximum authorized expenditure under this Contract shall be $150,000.00

D. As-Needed Work and Payment: Work shall be performed on an as-needed basis, as authorized by Montgomery County through written authorization. Actual quantities may vary from the estimated bid quantities, and the County reserves the right to increase, decrease, or eliminate individual bid items based upon actual maintenance needs, subject to the Contract Documents. ***Adjustment of the contract unit prices as specified in Section 110.02(d) will not be considered. Payment will be based upon the actual quantities used and will be paid at the contract unit price and will not be negotiated for a new unit cost.***

   Payment shall be made for actual quantities of satisfactorily completed and accepted work at the unit prices established in the accepted Bid Proposal.

   The accepted unit prices shall remain fixed throughout the two-year Contract term unless otherwise expressly provided in the Contract Documents.

   The County does not guarantee any minimum quantity of work or expenditure under this Contract.

E. Contract Expenditure Limitation: The cumulative value of all work authorized under this Contract shall not exceed $150,000.00 during the two-year Contract term. The County shall have no obligation to expend the full Contract amount.

   The Contract shall expire at the conclusion of the two-year term, regardless of whether the maximum authorized expenditure has been reached. No additional work shall be authorized after the maximum expenditure has been reached unless a contract amendment has been duly approved in accordance with applicable laws and County procurement procedures.

F. Utility Coordination: Three (3) working days prior to excavation, the Contractor must contact the PA One Call system, Inc. (1-800-242-1776) to obtain a construction serial number for this project. Locations of existing utilities are based on existing records and above ground observations at the site. Completeness or accuracy of location and depth cannot be guaranteed. All Contractors and other persons utilizing these plans and information are cautioned to comply with the requirements of PA Act 287 of 1974 as amended by Act 121 of 2008. Each individual using these plans must verify location and depth of all underground utilities and facilities before starting work. The contractor shall coordinate with the appropriate utility company contact persons as provided in these plans. All manholes and valve boxes within the project area shall be adjusted to grade by the contractor. If utility conflicts are encountered during construction, the contractor shall immediately inform the engineer and make arrangements for the relocation of the necessary utilities at no cost to the county.

   Bidders shall determine the number of utility adjustments required and coordinate all work directly with the appropriate utility company.

G. Property Owner Coordination: The Contractor shall notify all nearby property owners of the project prior to the start of construction. **The Contractor shall provide a secure safety barrier to prevent unauthorized pedestrian and vehicle access into the construction zone at all times. The Contractor is liable for all damages (property, bodily, etc.) that occur within the construction zone for the duration of the project.**
   The contractor is responsible for securing a storage area. If the project limits do not allow for the storage on the roadway, the contractor will need to coordinate with the adjacent property owners.

   The successful bidder shall contact and coordinate work with adjacent property owners to minimize disruption and conflicts. The successful bidder is to maintain access to all residential properties. Any work affecting access to properties shall be coordinated with property owners.

H. Other Coordination: The successful bidder shall contact applicable municipalities and property owners a minimum of two weeks prior to the beginning of construction. Emergency repair work will require notification immediately following work authorization by the County Representative. If the successful bidder plans to perform any overnight work, they will need to obtain written approval from the municipality where the work will be completed (48) hours prior to performing any work. The successful bidder shall submit the written acceptance from the municipality to Montgomery County before performing any work.

I. The successful bidder shall be responsible for supplying all material and equipment for the completion of the work described.

J. All materials workmanship and construction methods must meet the requirements of the Commonwealth of Pennsylvania Department of Transportation (PennDOT) Publication 408 Specifications, latest edition.

K. Traffic Considerations:
   1. Traffic control including but not limited to: barricades, signs, flagmen, etc., shall be supplied and maintained by the successful bidder in accordance with the PennDOT Publication 213, Temporary Traffic Control Guidelines, latest edition.

   2. Unless the project is being constructed under detour, or in emergency circumstances as determined by the county representative, no lane restrictions on any county roads or bridges can occur from 6 AM to 9 AM and from 3 PM to 6 PM. This restriction can be

lifted if written approval is granted from the township in which the road or bridge is located.

L. Bidders Qualifications: Bidders on this project must be PennDOT pre-qualified in the applicable work class codes to qualify for consideration on this project and must be able to provide one trained guide rail installer at each location. The trained installer must be certified in both generic and proprietary systems and must be the foreman or crew chief overseeing the installation by the field crew.

M. Bid Proposal: Bidders are required to submit their pricing and all documentation through the Bonfire Website. A copy of the Bid Bond, Appendix A, Responsible Contractor Certification Form, a Current W-9, and copies of all other requested documentation should be uploaded as separate documents. Bidder shall indicate PennDOT Prequalification Certificate Nos., expiration dates, and ability factors as necessary.

SCHEDULE

1. Within one week of authorization, and before the start of physical work, the contractor will submit a schedule for the authorized work. The contractor will update his work schedule every two weeks.

PROTECTION OF PROPERTY AND STRUCTRES

2. The Contractor shall at his own expense, sustain in their places and protect from direct or indirect injury, all utilities, pipes, conduits, poles, tracks, walls, buildings, and other structures or property in the vicinity of his work, whether above or below ground.

PERMITS

3. Contractor shall obtain and pay for any and all permits required by Federal, State or local governments or utilities. Copies of all permits must be supplied to the Director of Assets and Infrastructure before the start of any work.

EROSION AND SEDIMENT POLLUTION CONTROL

4. The Contractor shall complete the proposed work in a manner which insures the prevention of soil erosion and sedimentation. If, for any reason, specific soil erosion and sedimentation control devices are required during the course of this project, the Contractor shall provide the necessary facilities or measures to achieve a complete non-eroded stabilized condition.

5. If control devices are necessary, the Contractor shall also be responsible for the maintenance of these facilities. Maintenance should include inspections of all erosion and sedimentation control facilities after each storm event and on a weekly basis. Any damage to the facilities must be repaired immediately. Any lost soil material shall be recovered, if possible. Washed out lawn or slope areas must have topsoil replaced and then must be reseeded and mulched.

   This item shall not be considered a separate pay item and provisions for this cost should be included in the unit prices of the appropriate Bid Items.

   NOTE: The Contractor shall also be responsible for developing and submitting to the County Conservation District a separate Erosion and Sedimentation Control Plan for each spoil, borrow, or other off-site work area which might be required.

INCIDENTAL WORK

6. Work not specifically itemized, but required to complete the intended project, shall be considered incidental to the project.

CONTACTS

7. The contact regarding the specifications is Susan M. Guisinger-Colón, P.E., Senior Project Manager, TPD at 610-326-3100. The Montgomery County Contact for this Project is Thomas O'Brien, CPG, Administrator, Roads and Bridges at 610-278-3613.

PAYMENT AND PERFORMANCE BONDS

8. In accordance with the Public Works Contractors' Bond Law of 1967, Act of Dec. 20, 1967, P.L. 869, No. 385 any Contract for construction, reconstruction, alteration or repair of any public building or other public work in an amount exceeding Five Thousand Dollars ($5,000.00) the Contractor shall furnish to County the following bonds, which shall be binding upon the award of said Contract to such Contractor:

    a) A performance bond in the amount of One Hundred Percent (100%) of the contract sum, conditioned upon the faithful performance of the Contract in accordance with the Contract Documents shall be submitted. Such bond shall be executed on the form contained in the Bid Documents and shall be solely for the protection of County.

    b) A payment bond in the amount of One Hundred Percent (100%) of the contract sum shall be submitted. Such bond shall be executed on the form contained in the Bid Documents and shall be solely for the protection of claimants supplying labor and materials to the Contractor, or to any of the Contractor's subcontractors, in the prosecution of the work provided for in such Contract, and shall be conditioned upon the prompt delivery of such materials furnished or labor supplied or performed in the prosecution of the work.

9. A separate Maintenance bond in an amount equal to 100% of the total contract shall be furnished prior to final payment as security to remedy all defects which may develop during the period of one (1) year from the date of completion by the Contractor and final acceptance of the work performed in accordance with the contract documents.

10. Each of the above-referenced bonds shall be executed by a surety named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies," as published in Circular 570 (as amended) by the Audit Staff, Bureau of Governmental Financial Operations, U. S. Treasury Department, and the amount of the bonds shall not exceed the underwriting risk of the surety as set forth in said circular or revision thereof. The surety shall be licensed and qualified to do business in the Commonwealth of Pennsylvania. The bonds shall be accompanied by a power of attorney evidencing the authority of the agent of the surety to execute the bonds as of the date of the bonds.

11. Failure of a Contractor to submit the required bonds within ten (10) calendar days of the date of the County's Contract shall constitute a default by the Contractor, and the County may, at its sole discretion, award the Contract to the next lowest responsible Bidder, reserving to itself all rights for damages relating to said default, or, in the alternative, allow the Contractor additional time in which to secure the required bonds. Other forms of bonds or changes in amounts may be required in the Specifications.

AWARD

12. A contract may be awarded to the lowest responsible bidder, meeting all the requirements of the specifications on the basis of the lowest total price.

STIPULATION AGAINST LIENS

13. At the time of and immediately before the execution of the contract and before any authority has been given by the County to the successful bidder to begin work on the project or to purchase materials, it is agreed that no mechanics claims or other liens shall be filed by said contractor, nor any subcontractor, nor by any material men or workmen or any person for any materials, or labor or extra materials or labor purchased or furnished in connection with the project or any part thereof, the right to file such claims or liens being expressly waived and relinquished herewith.

WAIVER OF LIENS

14. A Waiver of Liens in a form satisfactory to the County shall be filed in the Office of the Prothonotary of Montgomery County at such time as may be necessary to preclude the filing of any lien by any subcontractor or material suppliers. In any event, the filing of the Waiver of Liens must occur no later than one (1) day prior to the state of operations for execution of the contract work. The filing fee is the responsibility of the contractor. Copy of Waiver of Liens Form is attached to and made a part of this specification.

INSURANCE

15. The successful bidder shall be required to carry liability insurance as described below:

    A. Vendor shall maintain adequate public liability, property damage, malpractice and workers' compensation insurances, insuring as they may appear in the interest of all parties to said contract. Certification of said insurance coverage shall be submitted to the County at the time of the execution of the contract by vendor. County shall be named as an additional insured on certificate of insurance provided. If the additional insured requirement must be endorsed then the endorsement must accompany the insurance certificate.

    B. Vendor shall annually provide the County with a certificate of insurance as noted below in paragraph G, with the Contract Number or Solicitation (Specification or RFP) Number clearly noted on said certificate of insurance.

    C. Each policy and Certificate of Insurance shall provide at least 30 calendar days prior written notice be given to the County in the event coverage is canceled, non-renewed, or coverages reduced.

    D. If Vendor desires to self-insure any or all of the coverages listed in this section, except where prohibited by law, it shall provide to the County documentation that such self-insurance has received all the approvals required by law or regulations, as well as the most recent audited financial statement of the Vendor's insurance. Any coverage, which is self-insured, shall provide the same coverage limits and benefits as the coverages listed in this section.

    E. If Vendor fails to provide such required insurance coverage and/or adequate proof of current coverage in amounts required, the County shall have the right to treat such failure as a material breach of the contract and to exercise all appropriate rights and remedies.

    F. The County reserves the right to review categories and levels of insurance coverage held by the Vendor in an ongoing program of risk management. The Vendor will be notified, in writing, of coverage requirements as determined by this review and Vendor agrees to secure such requested coverage.

    G. Insurance requirements are as detailed below:

Commercial General Liability - Each policy and Certificate of Insurance shall contain an endorsement naming the County of Montgomery as an additional insured party.

$1,000,000 Each Occurrence
$2,000,000 General Aggregate
$2,000,000 Products/Completed Operations Aggregate
$1,000,000 Personal/Advertising Injury

(Any restrictive endorsements must be included)

Workers Compensation

PA Statutory Coverage
Employers Liability - Basic Limits

Business Automobile Policy (if contract involves transportation of goods or persons)
$1,000,000 Each Accident Limit

Professional Errors and Omissions Liability (if contract involves performance of a recognized professional service)

$1,000,000 Each Occurrence
$1,000,000 Each Aggregate

Medical Malpractice Insurance (if contract involves performance of a member of the medical profession. Those in the medical professions must also provide evidence of participation in the MCARE in the amounts noted below)

$1,000,000.00 Each Occurrence
$3,000,000.00 Each Aggregate

CONTRACTOR'S RESPONSIBILITY

16. The successful contractor shall be responsible for the removal and proper disposal of, at his expense, all refuse associated with this specification.
17. Any areas damaged by the contractor's operations or equipment are to be restored to the satisfaction of the property owner.

PREVAILING MINIMUM WAGE

18. Successful bidder(s) shall abide by the Prevailing Wages as it applies to this project. A copy of these wage rates is attached hereto and made a part hereof.

SUBMISSION & QUESTIONS

19. Responses to this RFP must be submitted through the County's procurement submission portal, Bonfire, at https://montcopa.bonfirehub.com/portal.

    All questions must be submitted through the Bonfire portal, and answers will be posted there for public review.

TIME OF FINAL COMPLETION

20. The work which the Contractor is required to perform under this contract shall commence following the issuance of the Notice to Proceed (NTP) and after written authorizations are provided by the County representative. Authorizations will identify the mobilization priority (Low, Medium, High, Emergency) and work is to be completed as identified in the specifications.

If the work is not completed within the time stipulated, including any extensions of time for excusable delays, the Contractor shall pay to the County liquidated damages as described in PennDOT Publication 408 *Specifications*, Section 108.07 Liquidated Damages, Paragraph (a) Construction Engineering Liquidated Damages, until the work is completed. The Contractor and his sureties shall be liable to the County for the amount thereof.

Excusable Delays: The right of the Contractor to proceed shall not be terminated nor shall the Contractor be charged with liquidated damages for any delays in the completion of the work due:

(a) To any acts of the Government, including controls or restrictions upon requisitioning of materials, equipment, tools, or labor by reason of war, National Defense, or any other national emergency;

(b) To any acts of the County;

(c) To causes not reasonably foreseeable by the parties to this Contract at the time if the execution of the Contract which are beyond the control and without the fault or negligence of the Contractor, including, but not restricted to, acts of God or of the public enemy, acts of another contractor in the performance of some other contract with the County; fires, floods, epidemics, quarantine, restrictions, strikes, freight embargoes, and weather of unusual severity such as hurricanes, tornadoes, cyclones and other extreme weather conditions; and

(d) To any delay of any subcontractor occasioned by any of the causes specified in subparagraphs (a), (b), and/or (c) of this section.

The Contractor must notify the County within ten (10) days in writing of the cause of the delay. Upon receipt of such notification, the County shall ascertain the facts and the cause and extent of delay. If, upon the basis of the facts and the terms of this contract, the delay is properly excusable, the County shall extend the time for completing the work for a period of time commensurate with the period of excusable delay.

WARRANTY

21. All work shall be guaranteed by Contractor against defects in workmanship and materials for a period of one (1) year from the date of acceptance by the County. During this period, Contractor shall agree to promptly remedy, at Contractor's expense, any defects which were caused, in the judgment of the County, by defective or inferior workmanship or materials.

STANDARD PROVISIONS

For each of the following, the Construction Specification shall be the referenced Section identified in **PennDOT Publication 408-Specifications**, Latest Edition:

0619-0450 - Permanent Impact Attenuating Device, Type II, Test Level 3, Flared (Mash)– In accordance with Section 0619

0619-0459 - Permanent Impact Attenuating Device, Type II, Test Level 3, Tangent (Mash)– In accordance with Section 0619

0620-0400 - Terminal Section, Single– In accordance with Section 0620

0620-0500 - Reset Guide Rail– In accordance with Section 0620

0620-0503 - Remove Existing Guide Rail (Contractor's Property)– In accordance with Section 0620

0620-0543 - Guide Rail Strong Post, 7' Length– In accordance with Section 0620

0620-0544 - Guide Rail Strong Post, 8' Length– In accordance with Section 0620

0620-0551 - W6 X 9 Steel I-Beam Guide Rail Posts– In accordance with Section 0620

0620-0575 - Guide Rail Element– In accordance with Section 0620

0620-0585 - Rubbing Rail– In accordance with Section 0620

0620-0637 - 6" X 8" X 14" Wood Routed Offset Bracket– In accordance with Section 0620

0620-0639 - 6" X 8" X 14" Composite Routed Offset Bracket– In accordance with Section 0620

0620-0641 - 6" X 8" X 10" Wood Routed Offset Bracket– In accordance with Section 0620

0620-0643 - 6" X 8" X 10" Composite Routed Offset Bracket– In accordance with Section 0620

0620-0872 - Buried-In-Backslope Terminal, Single Panel– In accordance with Section 0620

0620-0900 - Remove Concrete Anchorage– In accordance with Section 0620

0620-1600 - Type 31-S Guide Rail– In accordance with Section 0620

0620-1601 - Type 31-S Guide Rail With 7' Extra Length Posts– In accordance with Section 0620

0620-1602 - Type 31-S Guide Rail With 8' Extra Length Posts– In accordance with Section 0620

0620-1625 - Type 31-SC Guide Rail– In accordance with Section 0620

0620-1626 - Type 31-SC Guide Rail With 7' Extra Length Posts– In accordance with Section 0620

0620-1627 - Type 31-SC Guide Rail With 8' Extra Length Posts– In accordance with Section 0620

0620-1635 - Type 31-SCC Guide Rail– In accordance with Section 0620

0620-1637 - Type 31-SCC Guide Rail With 7' Extra Length Posts– In accordance with Section 0620

0620-1638 - Type 31-SCC Guide Rail With 8' Extra Length Posts– In accordance with Section 0620

0620-1645 - Curved W-Beam Guide Rail at Intersections– In accordance with Section 0620

0620-1650 - Type 31-Strong Post End Treatment– In accordance with Section 0620

0620-1660 - Type 31-Strong Post Anchor Terminal– In accordance with Section 0620

0620-1670 - Type 31-Strong Post In-Line Anchor– In accordance with Section 0620

0620-2010 - Thrie-Beam Guide Rail to Concrete Bridge Barrier Transition without Curb– In accordance with Section 0620

0620-2011 - Thrie-Beam Guide Rail to Concrete Bridge Barrier Transition with Curb and Inlet– In accordance with Section 0620

0620-2012 - Thrie-Beam Guide Rail to Concrete Bridge Barrier Transition with Curb and Inlet Near Bridge Barrier– In accordance with Section 0620

0620-2013 - Thrie-Beam Guide Rail to Concrete Bridge Barrier Transition with Curb– In accordance with Section 0620

0620-2020 - Thrie-Beam Guide Rail to Pa Bridge Barrier Transition without Curb– In accordance with Section 0620

0620-2021 - Thrie-Beam Guide Rail to Pa Bridge Barrier Transition with Curb and Inlet– In accordance with Section 0620

0620-2022 - Thrie-Beam Guide Rail to Pa Bridge Barrier Transition with Curb and Inlet Near Bridge Barrier– In accordance with Section 0620

0620-2023 - Thrie-Beam Guide Rail to Pa Bridge Barrier Transition with Curb– In accordance with Section 0620

0620-2030 - Thrie-Beam Guide Rail to Pa Type 10m Bridge Barrier Transition without Curb– In accordance with Section 0620

0620-2031 - Thrie-Beam Guide Rail to Pa Type 10m Bridge Barrier Transition with Curb and Inlet– In accordance with Section 0620

0620-2032 - Thrie-Beam Guide Rail to Pa Type 10m Bridge Barrier Transition with Curb and Inlet Near Bridge Barrier– In accordance with Section 0620

0620-2033 - Thrie-Beam Guide Rail to Pa Type 10m Bridge Barrier Transition with Curb– In accordance with Section 0620

0620-2050 - Thrie-Beam Guide Rail to Pa 3-Rail Bridge Barrier without Curb– In accordance with Section 0620

0620-2051 - Thrie-Beam Guide Rail to Pa 3-Rail Bridge Barrier with Curb and Inlet– In accordance with Section 0620

0620-2052 - Thrie-Beam Guide Rail to Pa 3-Rail Bridge Barrier with Curb and Inlet Near Bridge Barrier– In accordance with Section 0620

0620-2053 - Thrie-Beam Guide Rail to Pa 3-Rail Bridge Barrier with Curb– In accordance with Section 0620

0937-0107 - Guide Rail Mounted Delineator Type B, (W/W) – In accordance with Section 0937

0937-0114 - Guide Rail Mounted Delineator Type D, (W/W) – In accordance with Section 0937

SPECIAL PROVISIONS

ITEM 0901-0001 – MAINTENANCE AND PROTECTION OF TRAFFIC

DESCRIPTION AND MATERIALS – In accordance with Section 901 and as follows:

- Provide written notification to the Montgomery County Roads & Bridges Department, the Inspector-in-Charge, and all affected parties, including municipalities, property owners, local emergency services (police, fire, and medical), businesses, and school districts, at least fifteen (15) days prior to the start of construction activities. In the case of emergency mobilization, make notifications within 3 days of performing work. Record of notifications must be provided to the Inspector-In-Charge.
- Designate an individual (or individuals) as Traffic Control Supervisor(s) responsible for the maintenance and protection of traffic items. Furnish the name(s) of the Traffic Control Supervisor(s), address, and telephone number where the supervisor can be reached at all times. Have the supervisor available to respond to complaints relating to deficiencies concerning maintenance and protection of traffic within 20 minutes of notification. The supervisor is responsible for providing additional personnel required to correct maintenance and protection of traffic deficiencies. Additionally, the supervisor is responsible for assisting in traffic control as a result of accidents on the project that back traffic up beyond the limits of work. Additional personnel are required to respond within 20 minutes of notification. Prior to any traffic restrictions, make available and review with the State and Local Police and other interested emergency management agencies, the proposed emergency implementation plan including name(s), address(es), and telephone number(s) of the Traffic Control Supervisor(s).
- Install and maintain the traffic control signing and devices as indicated on the Traffic Control Plan or, if there is no plan, install according to the appropriate PATA figure in PennDOT Publication 213.
- To the maximum extent possible, maintain a safe pedestrian route across the bridge at each location.
- Use Type III or better retroreflective sheeting on all long-term signs and Type III barricade rails, unless otherwise noted. Use fluorescent orange retroreflective sheeting for the color orange on all long-term signs 16 square feet or less in area.

- Do not stop, stand, or park construction equipment or stockpile material during non-working hours on any traffic lane or shoulder. Park equipment only on areas acceptable to the Project Manager.
- Do not allow employees to park their personal vehicles on any traveled roadway, shoulder, median, or seeded area along the roadway.
- Use flaggers for any temporary, intermittent interruptions to traffic.
- Allow no construction equipment to operate on any traffic lane or shoulder outside a suitable protected work area, except in the designated direction of travel for the respective lane or shoulder.
- Assure that warning vests, shirts, or jackets (safety yellow) meeting ANSI Class 2 requirements are worn by all employees engaged in daylight work operations on or immediately adjacent to the traveled portion of the highway, on medians, berms, gore areas, and material stocking areas, when flagging, and where worker sight recognition is desirable. When working at night, provide that the warning vests meet ANSI Class 3 requirements.
- When erecting or resetting temporary concrete barrier, work in the direction of traffic flow. When removing temporary concrete barrier, work in the direction opposite to traffic flow. If a blunt end is exposed to oncoming traffic during non-working hours, protect it using an appropriate impact attenuator at no expense to the Department.

MEASUREMENT AND PAYMENT – Each.

ITEM 9608-XXXX - MOBILIZATION
ITEM 9608-0001 - MOBILIZATION (90 DAYS) - LOW
ITEM 9608-0002 - MOBILIZATION (60 DAYS) - MEDIUM
ITEM 9608-0003 - MOBILIZATION (25 DAYS) - HIGH
ITEM 9608-0004 - MOBILIZATION (7 DAYS) – EMERGENCY

DESCRIPTION - This item of work includes the costs associated with preparing and mobilizing forces for installation, replacement, or repair work. Mobilization is defined as each written work authorization, including electronic notification such as email or spreadsheet from a County Representative for the contractor to start and complete repair/replacement work. There will be no minimum amount of work guaranteed for each mobilization/work authorization. The County Representative will provide a list identifying the LOW, MEDIUM, HIGH & EMERGENCY priority sites; the extent of work to be performed; and authorize work to begin. It also includes completing the work within the specified time for each mobilization priority level (LOW, MEDIUM, HIGH, EMERGENCY).

CONSTRUCTION – Upon receipt of authorization, begin, continue and complete all work by the time periods defined below.

- LOW - Complete work in 90 calendar days.
- MEDIUM - Complete work in 60 calendar days.
- HIGH - Complete work in 25 calendar days.
- EMERGENCY - Complete work in 7 calendar days.

MEASUREMENT AND PAYMENT –

(a). Mobilization Low. Each.
(b). Mobilization Medium. Each.
(c). Mobilization High. Each.
(d). Mobilization Emergency. Each.

ITEM 9620-0001 – STEEL-BACKED TIMBER RAIL
ITEM 9620-0002 – TIMBER POST
ITEM 9620-0003 – STEEL SPLICE PLATE

DESCRIPTION - This work consists of furnishing all labor, equipment, materials, hardware, and incidentals necessary to remove and dispose of existing timber guide rail components where indicated and to furnish and install new timber guide rail, posts, hardware, transitions, and connections in accordance with the contract documents and these specifications.
All work shall conform to FHWA Standard 617-60 Steel-Backed Timber Guardrail Type A Drawings, Standard Specifications for the Construction of Roads and Bridges on Federal Highway Projects (FP-24), Task Force-13 (TF13) and PennDOT 408 Specifications, latest edition.

MATERIALS -

a) Steel-backed timber rail - Provide timber conforming to AASHTO M 168. Fabricate the timber rail and rub rail from dry, seasoned, and dressed rough sawn southern pine or other species having a stress grade of at least 1500 pounds per square inch. Do not use refractory species (such as larch or Rocky Mountain Douglas fir). Provide treated timber conforming to AASHTO M 133. Provide steel backing elements according to ASTM A242.
b) Timber Posts - Provide posts that do not have a through check, shake, or end slit in the same plane as, or a plane parallel to the bolt hole and extending from the top of the post to within 3 inches or the bolt hole. Provide according to AASHTO M 168 and treat according to AASHTO M 133.
c) Guardrail Blockouts – Wood in accordance with section (a). Treat according to AASHTO M 133.
d) Guardrail Hardware. Provide hardware conforming to TF13, Guide to Standardized Roadside Hardware. For angles, channels, wide flanges, and plates not contained in TF13, conform to ASTM A36 for non-weathering steel and ASTM A242 for corrosion resistant (weathering) steel.
e) Provide nuts, bolts, and cables conforming to the following:
    1) Galvanized nuts and bolts. Provide nuts conforming to ASTM A563, Grade A. Provide bolts conforming to ASTM A307, Grade A.
    2) Corrosion resistant (weathering) nuts and bolts. Provide nuts conforming to ASTM A563, Grade C3. Provide bolts conforming to ASTM A449, Type 3.

CONSTRUCTION - Carefully remove existing timber guide rail, posts, and hardware designated for replacement. Dispose of removed materials off-site and replace in accordance with applicable regulations.

MEASUREMENT AND PAYMENT -

a) Steel-Backed Timber Rail - Linear Foot. Includes steel-backing and all hardware necessary for installation. Removal and disposal of existing Steel-Backed Timber Rail is incidental to this item.
b) Timber Post – Each. Includes all hardware necessary for installation. Removal and disposal of existing Timber Post is incidental to this item.
c) Steel Splice Plate – Each. Includes all hardware necessary for installation. Removal and disposal of existing Steel Spice Plate is incidental to this item.

ITEM 9620-8000 - UNFORESEEN GUIDE RAIL MAINTENANCE AND REPAIRS

DESCRIPTION – This is the work to be performed that is not identified under any other contract items.

MATERIALS – Furnish all materials needed to complete the maintenance and repair, per manufacturer's recommendations and/or directed by the Representative, and as specified in Sections 619.2 and 620.2.
CONSTRUCTION – Sections 619.3, 620.3 and as follows: Perform this work in conjunction with other contract work items, without other contract work items, or both. Remove the defective part(s) and install the new part(s) to match the original installation. Dispose of all damaged material.

MEASUREMENT AND PAYMENT – A contract item and a predetermined amount of money for ITEM 9620-8000 UNFORESEEN GUIDE RAIL MAINTENANCE AND REPAIRS is included. The item has a unit of measure of Dollar, a unit price of $1.00, and a quantity equal to the predetermined amount.

Provisions of Section 110.02(d) are not applicable to this item.
All work will be paid as follows:

a) Contract Items. The County will pay for performance of work, identified as having similar items listed in the Special Provisions, at the contract unit price.
b) Non-Contract Items. The County will pay for items of work not identified as follows:
c) Negotiated Price. At price agreed upon with the Department before performing the work. Force Account Basis. Section 110.03(d)