



*Joseph H. Vicari, Director
Gary Quinn, Deputy Director
Barbara Jo Crea, Commissioner
Virginia E. Haines, Commissioner
John P. Kelly, Commissioner*

*Tristin J. Collins, Director, Management & Budget
Jennifer L. Bowens, Purchasing Agent*

*County of Ocean
Administration Building
101 Hooper Avenue
Toms River, NJ 08754*

BID

BEAM GUIDE RAIL AND TANGENT GUIDE RAIL ELEMENTS NO. II

2023

ADVERTISEMENT DATE: October 18, 2023

OPENING: November 9, 2023, 11:00 am

Bid Category: 05- Building Equipment, Supplies and Services

Notice to Bidders

NOTICE IS HEREBY GIVEN that sealed bids for the furnishing and delivery of **BEAM GUIDE RAIL AND TANGENT GUIDE RAIL ELEMENTS NO. II** for the County of Ocean, will be received by the Purchasing Agent of the County of Ocean on **Thursday, November 9, 2023** at **11:00 am**, prevailing time.

Bids will be received electronically via the County's Online Procurement Portal:

<https://procurement.opengov.com/portal/oceancounty/>

Specifications and form of proposal are on the **Procurement Portal (Link Above)** or available for viewing in the Department of Purchase, Room #224, Administration Building, 101 Hooper Avenue, Toms River, New Jersey. Direct all inquiries to Jennifer L. Bowens, Purchasing Agent.

Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq. and P.L. 1975 C. 127 (N.J.A.C. 17:27-1 et seq.) regarding equal employment opportunities and with the requirements of P.L. 1977 C.33 regarding corporate and/or partnership ownership.

The right to reject any and all bids is reserved in accordance with applicable law.

By order of the Board of Commissioners of the County of Ocean.

Signed:

JOSEPH H. VICARI, Director

JENNIFER L. BOWENS, Purchasing Agent

Contact Information and Project Timeline

Summary

The purpose of this bid package is to provide the County of Ocean with a Contractor who will supply the goods or services described and specified herein.

Contact Information

For further information regarding these specifications, contact

Jessica Hannold

Buyer

101 Hooper Ave.

Room 224

Toms River, NJ 08753

Email: ocpurchasing@co.ocean.nj.us

Phone: [\(732\) 929-2103](tel:(732)929-2103)

Department:

Engineering

Timeline

Advertising Date	October 18, 2023
Bid Opening Date	November 9, 2023, 11:00am Administration Building, 101 Hooper Ave., Room 119, Toms River, NJ, 08753

Important Instructions for Electronic Submittal

Instructions for Electronic Bid Submission

The County is accepting electronic bid submissions with Open Gov by following these instructions:

Sign up for a FREE account at <https://procurement.opengov.com/portal/oceancounty>

Once you have completed account registration, browse back to this page: [County's OpenGov Electronic Bid Portal \(https://procurement.opengov.com/portal/oceancounty/\)](https://procurement.opengov.com/portal/oceancounty/)

Click on the bid of interest, then click "Draft Response".

Follow the instructions to submit the electronic bid.

It is important to note that this process should be completed well in advance of the bid deadline / bid opening. DO NOT WAIT UNTIL THE LAST MINUTE. The County's electronic submission system will not allow electronic bids to be submitted once the deadline has passed, even if you've already started the process. The deadline is based on the countdown timer found on the OpenGov bid submission page.

Instructions to Bidders

Bid Opening

All bids will be opened publicly in the Administration Building, Room 119, 101 Hooper Avenue, Toms River, New Jersey, commencing at 11:00 am, prevailing time on Thursday, November 9, 2023.

Electronic Bid Submissions

Bids must be submitted electronically through Ocean County's Procurement Portal by the date and time stipulated in the Notice to Bidders.

Deadline Instructions

The County will not be responsible for late bids, and no bids will be accepted if received after the time stipulated in the notice to bidders.

Completion of all Documents

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package and must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

NOTE: In order to access any DocuSign forms in this solicitation, you must first click "Draft Response".

Instructions on how to access the forms through DocuSign are available in the Attachments. Please note that in order to view the forms as a .pdf document, you must access DocuSign first. Once you access DocuSign, the option to download, save, print and complete the forms becomes available

Right to Reject

The County reserves the right to reject all bids in accordance with N.J.S.A. 40A:11-13.2, to waive any informalities in the bid and to accept the lowest responsible bid in accordance with applicable law.

Bidder Default

In case of default by the bidder or contractor, the County of Ocean may procure the articles or services from other sources and hold the bidder or contractor responsible for any excess cost occasioned thereby.

Indemnity

The bidder, if awarded a contract, agrees to protect, defend and save harmless the County against any damage for payment for the use of any patented material process, article or device that may enter into the manufacture, construction or form a part of the work covered by either order or contract, and he further agrees to indemnify and save harmless the County from suits or actions of every nature and description brought against it, for, or on account of injuries or damages received or sustained by any party or parties by, or from any of the negligent acts of the contractor, his servants or agents.

Specifications

It is to be understood by the bidder that this bid is submitted on the basis of specifications prepared by the County and the fact that any bidder is not familiar with these specifications or conditions will not be accepted as an excuse.

Bid Security

NO BID SECURITY

Performance Bond

NO PERFORMANCE BOND

Pricing Proposal

Bidders must use the pricing proposal provided in the bid specifications. Failure to use the pricing proposal in the bid specifications shall be cause for rejection of the bid.

Pricing

Insert prices for furnishing all of the material and/or labor described or required. Prices shall be net, including any charges for packing, crating, containers, etc. and all transportation charges fully prepaid by the contractor F.O.B. destination and placement at locations specified by the County. No additional charges will be allowed for any transportation costs resulting from partial shipments made at the vendor's convenience when a single shipment is ordered.

Payment

Payments will be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. The County will not pay interest or late fees regardless of language provided.

Discrepancy in Pricing

In the event that there is a discrepancy between the unit prices and the extended totals, the unit prices shall prevail. In the event there is an error of the summation of the extended totals, the computation by the OWNER of the extended totals shall govern.

Award Timeframe

Award will be made by Ocean County Board of Commissioners within sixty (60) days after receipt of bids.

Equal or Tie Bids

The County of Ocean reserves the right to award at their discretion to any one of the tie bidders where it is most advantageous for the County to do so, pursuant to N.J.S.A. 40A:11-6.1.

Tax Exempt

The County of Ocean is exempt from any State sales tax or Federal excise tax.

Equivalent Product

For purpose of evaluation where an equivalent product is being furnished, bidder must indicate any variation to our specifications no matter how slight. If no variations are indicated, it will be construed that the bid fully complies with our specifications.

Quantities

Quantities shown are approximate and the County reserves the right to decrease or omit quantities. The County will not consider minimums placed on order quantities. The County also reserves the right to increase quantities to twenty (20) percent of the maximum quantities listed at the unit price bid, in accordance with N.J.A.C. 5:30-11.3.

Delivery of Goods and Services

Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

American Goods and Products

All contractors must comply with the provisions of New Jersey Statute Title 40A:11-18, when applicable.

Assignment

This agreement shall not be assigned without the written consent of the County of Ocean.

NJ One Call

By presenting a bid, contractor declares that he is aware of and, if required, will comply with the requirements of the "Underground Facility Protection Act (Public Law 1994, Chapter 118)" prior to commencing any intended excavation. The telephone number to call is 1-800-272-1000.

Public Works Contractor Registration Act, N.J.S.A. 34:11-56.48 et seq

The bidder must comply with the provisions of "The Public Works Contractor Registration Act", if applicable.

- All named contractors must be registered with the Department of Labor and Workforce Development pursuant to the Public Works Contractor Registration Act at the time the proposal is received, or the proposal will be determined to be non-responsive.
- Any non-listed contractor must be registered with the Department of Labor and Workforce Development prior to physically starting work. It is the responsibility of the General Contractor to insure that all non-listed sub-contractors comply.
- Contractors are encouraged to submit their and all named sub-contractors' Public Works Contractor Registration Certificates with the bid.

Prevailing Wage & Labor Laws

The New Jersey Prevailing Wage Act (P.L. 1963, Chapter 150) and provisions of the State Labor Laws must be complied with by the successful bidder, if applicable. The current Prevailing Wage Rates can be found online at <https://www.nj.gov/labor/wageandhour/prevailing-rates/public-works/currentprevailingwage.shtml>

New Jersey Business Registration Requirements

Pursuant to N.J.S.A. 52:32-44, Ocean County ("Contracting Agency") is prohibited from entering into a contract with an entity unless the bidder/proposer/contractor, and each subcontractor that is required by law to be named in a bid/proposal/contract has a valid Business Registration Certificate on file with the Division of Revenue and Enterprise Services within the Department of the Treasury.

Prior to contract award or authorization, the contractor shall provide the Contracting Agency with its proof of business registration and that of any named subcontractor(s).

Subcontractors named in a bid or other proposal shall provide proof of business registration to the bidder, who in turn, shall provide it to the Contracting Agency prior to the time a contract, purchase order, or other contracting document is awarded or authorized.

During the course of contract performance:

- (1) the contractor shall not enter into a contract with a subcontractor unless the subcontractor first provides the contractor with a valid proof of business registration.
- (2) the contractor shall maintain and submit to the Contracting Agency a list of subcontractors and their addresses that may be updated from time to time.

(3) the contractor and any subcontractor providing goods or performing services under the contract, and each of their affiliates, shall collect and remit to the Director of the Division of Taxation in the Department of the Treasury, the use tax due pursuant to the Sales and Use Tax Act, (N.J.S.A. 54:32B-1 et seq.) on all sales of tangible personal property delivered into the State. Any questions in this regard can be directed to the Division of Taxation at (609)292-6400. Form NJ-REG can be filed online at <http://www.state.nj.us/treasury/revenue/busregcert.shtml>.

Before final payment is made under the contract, the contractor shall submit to the Contracting Agency a complete and accurate list of all subcontractors used and their addresses.

Pursuant to N.J.S.A. 54:49-4.1, a business organization that fails to provide a copy of a business registration as required, or that provides false business registration information, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000, for each proof of business registration not properly provided under a contract with a contracting agency.

Pay to Play Requirements

Starting in January 2007, all business entities are advised of their responsibility to file an annual disclosure statement of political contributions with the New Jersey Election Law Enforcement Commission (ELEC) pursuant to N.J.S.A. 19:44A-20.27 if they receive contracts in excess of \$50,000 from public entities in a calendar year. Business entities are responsible for determining if filing is necessary. Additional information on this requirement is available from ELEC at 888-313-3532 or at www.elec.state.nj.us.

Statement of Ownership

The provisions of N.J.S.A. 52:25-24.2 applies to all forms of corporations and partnerships, including, but not limited to, limited partnerships, limited liability corporations, limited liability partnerships, and Subchapter S corporations.

Certification of Non-Involvement in Prohibited Activities in Iran

Certification of Non-Involvement in Prohibited Activities in Iran. Pursuant to N.J.S.A. 52:32-58, the proposer must certify that neither the proposer, nor one of its parents, subsidiaries, and/or affiliates (as defined in N.J.S.A. 52:32-56(e)(3)), is listed on the Department of the Treasury's List of Persons or Entities Engaging in Prohibited Investment Activities in Iran and that neither is involved in any of the investment activities set forth in N.J.S.A. 52:32-56(f). If the proposer is unable to so certify, the proposer shall provide a detailed and precise description of such activities. Prior to contract award or authorization, the contractor shall provide the Contracting Agency with a completed Certification on Non-Involvement in Prohibited Activities in Iran.

Certification of Non-Involvement In Prohibited Activities in Russia or Belarus

Pursuant to N.J.S.A. 52:32-60.1, the "person or entity" (as defined in N.J.S.A. 52:32-60.1, et seq) seeking to enter into or renew a contract for the provision of goods or services or the purchase of bonds or other obligations shall certify that it is not "engaging in prohibited activities in Russia or Belarus" (as such term is defined in as defined in N.J.S.A. 52:32-60.1, et seq. If the person or entity is unable to certify, the person or entity shall provide a detailed and precise description of

such activities. The N.J.S.A. 52:32-60.1 certification form must be completed prior to contract award and is provided in the specification documents (DocuSign).

Vendors may view the Precluded Entities List Here:

<https://www.nj.gov/treasury/administration/pdf/RussiaBelarusEntityList.pdf>

Insurance Requirements

The contractor shall maintain primary insurance to protect against all claims under Workmen's Compensation, Comprehensive General Liability and Automobile. Except for Workmen's Compensation, all coverage shall apply as primary coverage with respect to any other insurance or self-insurance program afforded to the County. There shall be no endorsement or modification of this coverage to make it excess over other available insurance/coverage; alternatively, if the CGL and umbrella, excess of reinsurance states that it is pro rata, it shall be endorsed to be primary with respect to the County. Primary Coverage shall be subject to approval for adequacy of protection as per the following limits:

Worker's Compensation

1. Limits according to Worker's compensation Laws of the State of New Jersey.
2. Contractor's Liability not less than \$100,000.

Comprehensive General Liability

1. Bodily Injury - \$500,000 per person; \$1,000,000 per occurrence.
2. Property Damage - \$1,000,000 per occurrence.

Comprehensive General Liability Details

Comprehensive Automobile Liability shall include the following:

Business auto liability insurance or its equivalent with a minimum limit of \$1,000,000 per accident and including coverage for all of the following:

- A. Liability arising out of the ownership, maintenance or use of any auto;
- B. Auto non-ownership and hired car coverage.
- C. Contractor's Worker's Compensation, Comprehensive General Liability and
- D. Comprehensive Automobile Liability arising out of subcontractor's operations shall be identical as that listed above.

Proof of Insurance

Copies of each insurance certificate shall be furnished to the County when requested.

County Cooperative Contract Purchasing System

The County has established a "COUNTY COOPERATIVE CONTRACT PURCHASING SYSTEM" pursuant to N.J.S.A. 40a:11-1 et seq...

The IDENTIFIER for this system is:

CK-02-OC

This system allows local government contracting entities located within the geographical boundaries of the County to purchase goods and services awarded as a result of this bid proposal if it is extended by the low bidder.

Goods and services must be made available without substitution or deviation from specifications, size, features, quality, price or availability as herein set forth. It is understood that orders, if any, will be placed directly by contracting units, subject to the overall terms of the contract to be awarded by the County of Ocean.

The estimated quantities listed in this specification reflect only the needs of the agencies under the direct control of the Ocean County Board of Commissioners. If the vendor chooses to extend the resulting contract to all other contracting units, the quantities could be higher.

Please check (✓) the YES or NO box in the Vendor Questionnaire to indicate whether or not you will extend contract prices to all contracting units.

Award Method

Contract will be awarded on a lump sum by section basis.

Mandatory Equal Employment Opportunity

N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)

N.J.A.C. 17:27

GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

- Letter of Federal Affirmative Action Plan Approval
- Certificate of Employee Information Report
- Employee Information Report Form AA302 (electronically provided by the Division and distributed to the public agency through the Division's website at www.state.nj.us/treasury/contract_compliance)

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at N.J.A.C. 17:27.**

Americans with Disabilities Act

Equal Opportunity For Individuals With Disabilities

The CONTRACTOR and the COUNTY do hereby agree that the provisions of title II of the Americans with Disabilities Act of 1990 (the "Act") (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the COUNTY pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the CONTRACTOR, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the COUNTY in any action or administrative proceeding commenced pursuant to this Act. The CONTRACTOR shall indemnify, protect and save harmless the COUNTY, its agents, servants and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the COUNTY'S grievance procedure, the CONTRACTOR agrees to abide by any decision of the COUNTY which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the COUNTY or if the COUNTY incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its own expense.

The COUNTY shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the COUNTY or any of its agents, servants and employees, the COUNTY shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the COUNTY or its representatives.

It is expressly agreed and understood that any approval by the COUNTY of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect and save harmless the COUNTY pursuant to this paragraph.

It is further agreed and understood that the COUNTY assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provision of this indemnification clause shall in no way limit the CONTRACTOR'S obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the COUNTY from taking any other actions available to it under any other provisions of this Agreement or otherwise at law.

Intent

CONTRACT TERMS

The contract shall be for one (1) year from date of award, or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15.

INTENT

The purpose of this bid package is to provide the County of Ocean with a Contractor who will supply the materials described and specified herein.

NO ASSIGNMENT

This agreement shall not be assigned without the written consent of the County of Ocean which consent shall not be unreasonably withheld. Assignee shall promptly prepare and complete such documents as the County shall require.

OWNERSHIP DISCLOSURE

All contractors shall comply with all laws governing the disclosure of all stockholders or partners, as included in N.J.S.A. 52:25-24.2.

BID REVIEW

Bids may be reviewed at the bid opening and results will be made available online through the County's procurement portal once the bid meeting has concluded. Additionally, bid results are available in the Ocean County Purchasing Department on the day following the bid openings for any interested party that may wish to review them.

EVALUATION

The quality of the equipment supplied, their conformity with the specifications, their suitability to requirements, delivery terms, guaranty clauses, price of the materials shall all be taken into consideration. Where equivalent equipment is offered, the County will determine if the proposed item is equal or better than that specified.

AVAILABILITY OF FUNDS

The County's obligation hereunder is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the County for payment of any money shall arise unless, and until funds are made available each year to the Ocean County Purchasing Agent.

MODIFICATIONS AND WITHDRAWALS

Bids may be withdrawn from the bidder prior to the time fixed for opening. No right for withdrawal exists after the bid has been opened. Written request for withdrawal shall be signed by the bidder or proper corporate officers.

USE OF OTHER NAMES AND REFERENCES

Unless otherwise stated, the use of manufacturers' names and product numbers are for descriptive purposes, and establishing general quality levels only. They are not intended to be restrictive. Bidders are required to state exactly what they intend to furnish, otherwise it is fully understood that they shall furnish all items as stated.

QUALITY

The materials and supplies called for herein, shall be the best of their grade and types, prepared according to the best available standards or accepted formulas, and thoroughly tested and subjected to rigid examinations and standardization. Items not meeting these requirements shall be replaced at no cost to the County upon due notice of deficiency.

WARRANTY

Manufacturer's warranty shall apply.

MODEL INFORMATION REQUIRED

The manufacturer, make or exact models proposed as substitutes shall also be submitted on bidder's letterhead with any proposal contended to be "equivalent."

AVAILABILITY AND DELIVERY

The bidder should indicate the number of days required for the delivery After Receipt of Order (A.R.O.). If not submitted with the bid proposal, the County reserves the right to request this information prior to the award of contract.

TRANSITIONAL PERIOD

In the event services are terminated by contract expiration or by voluntary termination by either the Contractor or the County of Ocean, the Contractor shall continue all terms and conditions of said contract for a period not to exceed one (1) month at the County's request.

CURRENT BID RESULTS

If there is a current contract in place for this bid, those results may be obtained by accessing our procurement portal at the below link:

<https://procurement.opengov.com/portal/oceancounty>

Once you have clicked the link, click "Advanced Search" to begin searching for the current opportunity.

Specifications and Scope of Work

SCOPE OF WORK

See "Attachments", "Project Documents" for detailed specifications.

Vendor Questionnaire

County Cooperative Contract Purchasing System*

Vendor will extend contract prices to "County Cooperative Contract Purchasing System" Participants as described in [Instruction to Bidders](#) .

Yes

No

*Response required

BID DOCUMENTS TO BE EXECUTED*

Documents include:

- Signature Page
- Non-Collusion Certification
- Affirmative Action Questionnaire
- **Statement of Ownership (N.J.S.A. 52:25-24.2) (Mandatory Document)**
- Prohibited Russia-Belarus Activities & Iran Investment Activities

FAILURE TO SUBMIT ANY OF THESE DOCUMENTS MAY BE CAUSE FOR REJECTION OF YOUR PROPOSAL.

All documents should be from this proposal package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising.

NOTE: For detailed instructions on how to complete the forms via DocuSign, please access the "Instructions for Completing Forms in DocuSign" document available in the Attachments.

Please note: The County's preferred method of submission is DocuSign.

[Click here to go to the form](#)

*Response required

Copy of Bidder's Certificate of Employee Information Report

Within seven (7) days after receipt of the notification of intent to award the contract or receipt of the contract, whichever is sooner, a Contractor should present one of the following to the County of Ocean:

- (a) An existing federally approved or sanctioned affirmative action program.
- (b) A New Jersey Certificate of Employee Information Report Approval.
- (c) If the Contractor cannot present "a" or "b", the Contractor is required to submit a completed Employee Information Report (Form AA302 for Goods and Services; Form AA201 for Construction). This form is available [here](#).

QUESTIONS BELOW MUST BE ANSWERED BY ALL CONTRACTORS ON THE AFFIRMATIVE ACTION DOCUMENT:

1. Do you have a Federally approved or sanctioned Affirmative Action Program?

If yes, please upload a photocopy of such approval.

2. Do you have a State of New Jersey "Certificate of Employee Information Report" approval?

If yes, please upload a photocopy of such certificate.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Copy of Bidder's New Jersey Business Registration Certificate

Please use this area to upload your company's BRC.

Use this link to verify your company's BRC:

https://www1.state.nj.us/TYTR_BRC/jsp/BRCLoginJsp.jsp

Please note that a BRC is not required at the time of bid submission but shall be required prior to the award of a contract.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Mandatory Equal Employment Opportunity Statement*

Does the BIDDER comply with the [#Mandatory Equal Employment Opportunity Statement?](#)

Yes

No

*Response required

Americans with Disabilities Act Provisions*

Does the BIDDER comply with the [#Americans with Disabilities Act Provisions?](#)

Yes

No

*Response required

Plan and Equipment Questionnaire*

Please complete the Plan and Equipment Questionnaire.

NOTE: For detailed instructions on how to complete the forms via DocuSign, please access the "Instructions for Completing Forms in DocuSign" document available in the Attachments.

Please note: The County's preferred method of submission is DocuSign.

[Click here to go to the form](#)

*Response required

PLAN AND EQUIPMENT QUESTIONNAIRE SUBMISSION*

I have completed the four (4) page Plan and Equipment Questionnaire and included it in my submission.

Yes

No

*Response required

ADDITIONAL VENDOR DOCUMENTATION

Please submit any additional information you wish to be considered as part of your bid package.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Acknowledgement of Submission of Forms from Current Bid Package*

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

Please confirm

*Response required

Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Please confirm

*Response required

Pricing Proposal

SECTION I

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
1	Controlled Release Terminal Anchorage Kit	27	UNIT					
2	5/8" Dia. Post Bolts 1 1/2" Long with Splice Bolt Nut	3,500	UNIT					
3	Splice Bolts, 5/8" Ø, 1 1/4" Long with Nut	6,500	UNIT					
4	5/8" Dia. Button Head Bolt 9.5" Long with Washer and Nut	150	EA					
5	5/8" Dia. Button Head Bolt 18" Long with Washer and Nut	150	EA					
6	5/8" Dia. Carriage Bolt 1 1/2" Long with 2 Washers and Nut	200	EA					
7	5/8" Dia. Carriage Bolt 3" Long with 2 Washers and Nut	200	EA					
8	5/8" Dia. x 2" Long Button Head Splice Bolt with 2 Washers and Nut	200	EA					
9	11/16" Rectangular Steel Washers with Elliptical Slotted Hole (1")	2,000	UNIT					
10	12.5' W-Beam Rail	10,000	LF					
11	12.5' Long W-Beam Curved Convex R=16'	30	EA					
12	12.5' Long W-Beam Curved Convex R=24'	30	EA					
13	12.5' Long W-Beam Curved Convex R=36'	30	EA					
14	Galvanized Steel Rail Elements, Additional Holes for Stiffening (See Sketch)	70	UNIT					
15	Galvanized Steel Rail Elements, Additional Holes for Stiffening (See Sketch)	70	UNIT					

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
16	W6" at 8.5# or 9# Galvanized Steel Posts 6' Long	1,000	UNIT					
17	Galvanized End Sections (Rounded w/ 6¼" Radius)	68	UNIT					
18	Guide Rail Element, Galvanized 12.5' Effective Length, Curved Convex (See Sketch)	100	PC					
19	Guide Rail Elements, Galvanized 12.5' Effective Length, Curved Concave (See Sketch)	100	PC					
20	King Blocks with Nuts and Bolts	1,500	UNIT					
21	Beam Guide Rail Post, 7' Long	50	UNIT					
22	Beam Guide Rail Post, 8' Long	50	UNIT					
23	Beam Guide Rail Post, 9' Long	50	UNIT					
24	Beam Guide Rail Post with Base Plate, 2' - 8" Tall	50	UNIT					
25	Beam Guide Rail Post with Base Plate, 2' 11" Tall	50	UNIT					
26	Beam Guide Rail Anchorage Kit	36	UNIT					
27	Beam Guide Rail Installation, Off Roadway, Less Than 250 LF	275	LF					
28	Beam Guide Rail Installation, Off Roadway, Greater Than 250 LF	3,000	LF					
29	Epoxy Adhesive, 1-28 fl oz, Hard Plastic Cartridge, Red Head A7+ Adhesive made by Red Head, As Specified or Equal	30	UNIT					
30	Rub Rail 12.5' long (C6x8.2)	140	EA					
31	Rub Rail Splice Plate 7 ¾" x 4 ½" x ¾"	140	EA					
32	Bolt On Butterfly Reflector, One Way	210	EA					
33	Bolt On Butterfly Reflector, Two Way	210	EA					

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
34	12.5' W-Beam Rail, Weathering Steel	1,000	LF					
35	Weathering Steel Post 6' Long with 4'-2" from Bottom Galvanized	160	UNIT					
TOTAL								

SECTION II - CONTROLLED RELEASE TERMINAL COMPONENTS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
36	12'-6" Rail with 8 holes for Anchorage Bracket	60	EA					
37	Part #3003 G Cable for CRT Anchorage	60	EA					
38	Part #3910 G 1" Hex Nuts	60	EA					
39	30" Diameter Buffer End Sections for CRT Anchorage	60	UNIT					
40	CRT Post 6" x 8" x 6'	80	EA					
41	CRT Line Post 6" x 8" x 6'	80	EA					
42	Wood Block Out 6" x 8" x 1'-2"	72	EA					
TOTAL								

SECTION III - TANGENT GUIDE RAIL TERMINAL AND COMPONENTS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
43	Tangent Guide Rail Terminal SKT-SP, 27 1/4" High Only	40	UNIT					
44	Impact Head, Part # S3000	20	EA					
45	First Post, Top (6" x 6" x 1/8" Tube), Part # TPH1A	20	EA					
46	First Post, Bottom (6' x W6 x 15), Part # TPH1B	20	EA					
47	Second Post Assembly Top, Part #HP2A	20	EA					
48	Second Post Assembly Bottom, Part #HP3B	20	EA					
49	Cable Anchor Box, Part #S760	20	EA					
50	BCT Cable Anchor Assembly, Part #E770	20	EA					
51	SKT-SP 350 Hardware Package	20	EA					
52	18" x 18" Object Maker (for Impact Head)	55	EA					
53	W-Beam Guide Rail End Sect., 12 Gauge, Part #SF1303	20	EA					
54	Bearing Plate, Part #E750	20	EA					
55	W Beam Terminal Connector	20	EA					
56	Thrie Beam Terminal Connector	20	EA					
57	Thrie Beam To W-Beam Asymmetrical Transition	20	EA					
58	12" x 1'-8 1/4" x 5/8" Terminal Bearing Plate	20	EA					
59	12" x 12" x 5/8" Terminal Bearing Plate	20	EA					
60	Modified Thrie Beam Guide Rail, 12'-6" Long	20	EA					
61	7" x 5" x 3/16" Structural Tube Block Outs	20	EA					

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
62	Thrie Beam To W-Beam Symmetrical Transition	20	EA					
63	Impact Head, Part# MS3000	40	EA					
64	W-Beam Guide Rail End Section, 12Ga., Part# SF1303	60	EA					
65	First Post Top (6" x 6" x 1/8" Tube), Part# MTPHP1A	40	EA					
66	Bearing Plate, Part# E750	40	EA					
67	Cable Anchor Box, Part# S760	40	EA					
68	BCT Cable Anchor Assembly, Part# E770	40	EA					
69	Strut, Part # MS785	40	EA					
70	Recycled Plastic Block or Equiv., Part# CBSP-14	40	EA					
71	W-Beam MGS Rail Section (9'-4½"), Part# G12025	40	EA					
72	W-Beam MGS Rail Section (12'-6"), Part# G1203A	40	EA					
73	MSKT-SP-MGS Hardware Package	40	EA					
74	Object Marker (For MSKT-SP-MGS Head)	40	EA					
75	First Post Bottom (6' W6x15), Part# MTPHP1B	40	EA					
76	Second Post Assembly Top, Part# UHP2A	40	EA					
77	Second Post Assembly Bottom, Part# HP2B	40	EA					
78	6x9 (6x8.5 Steel Post, Part# P621)	40	EA					
79	Tangent Guide Rail Terminal MSKT-SP-MGS (With 8" Synthetic Blockouts) (Standard Post), 31" high Only	70	UNIT					
TOTAL								

SECTION IV - CRASH CUSHION AND COMPONENTS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
80	Quad Guard II 3 Bay System Model# QG28024 W/Tension Strut Backup and Left NJ Shape Transition Panel	2	UNIT					
81	604570 Backup Assembly, Tension Strut, 24"	2	UNIT					
82	604507 Backup Assembly, Concrete, 24"	2	UNIT					
83	611332 Monorail Assembly, 2 Bay	2	UNIT					
84	611334 Monorail Assembly, 3 Bay	2	UNIT					
85	625650 Diaphragm, QB 24, QG,	2	UNIT					
86	614062G Shim Kit, 1/8x3.5 8x8, G	2	UNIT					
87	608236 Fender Panel Assembly	2	UNIT					
88	Mushroom Washer Assembly (Includes One: 617045, 116878, 115970, 003300, & 117459)	6	UNIT					
89	611581 Yellow Nose Assembly, QGII, 24", With Decals	2	UNIT					
90	611963 4" Offset Transition Assembly, Left	2	UNIT					
91	611967 4" Offset Transition Assembly, Right	2	UNIT					
92	616108 Quad Beam to W-Beam Transition Assembly	2	UNIT					
93	616103 Quad Beam To Thrie Beam Transition Assembly	2	UNIT					
94	Type I Cartridge, Quad Guard II	2	UNIT					
95	Type II Cartridge, Quad Guard II –	2	UNIT					
96	Quad Guard M10 3 Bay System Model# QM7024 W/Tension Strut Backup and Left NJ Shape Transition Panel	2	UNIT					
97	626059 Tension Strut Backup Assembly	2	UNIT					

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
98	611334 Monorail Assembly	2	UNIT					
99	62560 Diaphragm, QB, 24, QG, G	2	UNIT					
100	614050 12 GA. Shim Kit	2	UNIT					
101	608236 Fender Panel Assembly	2	UNIT					
102	Mushroom Washer Assembly (Includes One: 617045, 116878, 115970, 003300, & 117459)	2	UNIT					
103	617424 Yellow Nose Assembly, M10, 24", With Decals	2	UNIT					
104	QGMTSCUR-TWLR 31" W-Beam Guide Rail Transition	2	UNIT					
105	QGMTSCUR-TTLR Thrie Beam Guide Rail Transition	2	UNIT					
106	QGMTSCUR-T4 Safety Shape Barrier Transition	2	UNIT					
107	606027 Type MI Cartridge	2	UNIT					
108	606029 Type MII Cartridge	2	UNIT					
109	TAU-II Energy Absorbing Cartridge, Type A – PT#B010802	10	UNIT					
110	TAU-II Energy Absorbing Cartridge, Type B – PT#B010722	10	UNIT					
111	TAU-II Extra Hardware 30" Kit – PT#K001025	10	UNIT					
112	TAU-II Nose Piece Only, Parallel, Black – PT#B010711	10	UNIT					
113	TAU-II Nose Piece, Mounting Hardware (Parallel & Wide) – PT#K001003	10	UNIT					
114	TAU-II Sliding Bolt Assembly Kit (4ea.) – PT#K001003	10	UNIT					
115	TAU-II Sliding Panel – PT#B010202	10	UNIT					

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
116	GREAT SYS Thrie Beam Fender Panel PT#2738111-0000	10	UNIT					
117	GREAT SYS Mushroom Bolt Assembly PT#2752013-0000	10	UNIT					
118	GREAT SYS Proof Coil Chain ½" (9 links) PT#2752021-0000	10	UNIT					
119	GREAT SYS Support Leg Assembly (2 required) PT#2714890-0000	10	UNIT					
120	GREAT SYS Diaphragm – 2'0" PT#3519061-0000	10	UNIT					
121	GREAT SYS Diaphragm – 2'6" PT#3519062-0000	10	UNIT					
122	GREAT SYS Diaphragm – 3'-0" PT#3519063-0000	10	UNIT					
123	GREAT SYS Nose Assembly Includes Support Legs, Tabs, and Hardware PT#3502080-0100	10	UNIT					
124	GREAT SYS Hex-Foam Cartridge, Type 51 One Size Only PT#3509510-0000	10	UNIT					
TOTAL								

SECTION V - BRIDGE ATTACHMENTS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Delivery, A.R.O.	Comments
125	THRIE BEAM TO W-BEAM ASYMMETRICAL TRANSITION SECTION – RIGHT SIDE APPROACH	10	UNIT					
126	THRIE BEAM TO W-BEAM ASYMMETRICAL TRANSITION SECTION – LEFT SIDE APPROACH	10	UNIT					
127	THRIE BEAM TO W-BEAM SYMMETRICAL TRANSITION SECTION	10	UNIT					
128	THRIE BEAM SECTION FOR TL-3 BRIDGE ATTACHMENTS	10	UNIT					
129	THRIE BEAM SECTION FOR TL-2 BRIGE ATTACHMENTS	10	UNIT					
130	AASHTO M180, CLASS A, TYPE 1 W – THRIE BEAM TRANSITION SECTION	10	UNIT					
131	6”x 8”x 22” Blockout TL-2 Attachments	10	UNIT					
TOTAL								

BEAM GUIDE RAIL AND TANGENT GUIDE RAIL ELEMENTS**SUPPLEMENTARY SPECIFICATIONS****Instructions to Bidders**

The work performed under this Contract shall comply strictly with all the requirements of the New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction for 2007, except as amended, modified or supplemented herein and which Specifications are made part of these Supplementary Specifications. The New Jersey Department of Transportation Standard Construction Details shall govern except insofar as same are modified or changed in detail drawings prepared especially for this particular Project.

Minimum Wage Rates

The minimum wage rates for labor employed on this Contract shall be as specified in the "Prevailing Wage Rate Determination" of the New Jersey Department of Labor which is in effect on the date the Project is awarded.

The Contractor is put on notice that he must pay workmen the prevailing wage rate promulgated by the New Jersey Department of Labor for this Project, copies of which are on file in the Ocean County Engineer's Office and which will be updated to the date of award and will be made a part of this Contract, pursuant to Chapter 150, Laws of 1963 (N.J.S.A.34:11:-56.25 et seq.) as amended by Chapter 64 of the Laws of 1974.

In the event it is found that any workman employed by the Contractor or any Subcontractor covered by the Contract, has been paid a rate of wages less than the prevailing wage required to be paid by the Contract the County may terminate the Contractor's or Subcontractor's right to proceed with the work, or such part of the work as to which there has been a failure to pay required wages and to prosecute the work to completion or otherwise. The Contractor and his Sureties shall be liable to the County for any excess costs occasioned thereby.

SECTION 101 - GENERAL INFORMATION**101.01 General.**

The following is added to this Subsection of the Standard Specifications:

Whenever any Section, Subsection, Subpart or Subheading is amended by such terms as changed to, deleted or added, it is construed to mean that it amends that Section, Subsection, Subpart or Subheading of the 2007 Standard Specifications.

Whenever any reference to page number is made, it is construed to refer to the 2007 Standard Specifications.

Subsection 101.03 Terms.

All references to "Commissioner", "Department" or "State" shall be interpreted to mean "County". All references to "Engineer" shall be interpreted to mean "County Engineer".

The following terms and their meanings are added to this Subsection of the Standard Specifications:

County business day, a calendar day, exclusive of Saturdays, Sundays, State recognized legal holidays, and such other holidays or County office closings as declared by the Board of Chosen Freeholders.

SECTION 102 - BIDDING REQUIREMENTS AND CONDITIONS**Subsection 102.03 Contents of the Proposal.**

The word "prequalified" is hereby deleted from the first sentence under this Subsection of the Standard Specifications.

Subsection 102.09 Delivery of Proposal.

The second paragraph of this Subsection of the Standard Specifications is amended to read as follows:

Enclosed in the sealed envelope with the Proposal shall be submitted the following documents:

A Non-Collusion Affidavit on a form provided by the County properly filled out, signed and notarized.

A Plan & Equipment Questionnaire on a form provided by the County properly filled out.

An Ownership Certificate in accordance with the following paragraph.

Every corporation and/or partnership submitting a bid, shall accompanying said bid, submit a statement setting forth the names and addresses of all stockholders in the corporation, or partners in the partnership, who own 10% or more of its stock, of any class, or of all individual partners in the partnership who own a 10% or greater interest therein, as the case may be. If one or more such stockholder, or partner, is itself a corporation, or partnership, the stockholders holding 10% or more of that corporation's stock, or the individual partners owning 10% or greater interest in that partnership, as the case may be, shall also be listed. This disclosure shall be continued until the names and addresses of every noncorporate stockholder, and individual partner, exceeding the 10% ownership criteria established by this Notice, shall have been listed.

Subsection 102.15 Irregular Proposals.

Item 7 is changed to read as follows:

7. Subject to Subsection 103.01, if the proposal does not contain a unit price for each pay item listed or a total contract price. In the case of alternate items or alternate groups of items, the bidder shall provide prices as stated in Subsection 102.07 and the proposal.

Item 9 of this Subsection of the Standard Specifications is hereby deleted and the following substituted therefor:

9. If the Proposal is not accompanied by an acceptable Ownership Certificate as specified in Subsection 102.09 of these Supplementary Specifications.

SECTION 103 - AWARD AND EXECUTION OF CONTRACT**Subsection 103.02 Award of Contract.**

The first paragraph of this Subsection of the Standard Specifications is changed to read as follows:

The Award of Contract, if it be awarded, will be to the lowest responsible bidder whose Proposal conforms in all respects to the requirements set forth in the Contract Documents. The County will award the contract or reject all bids within 60 days after the bids are received. When the County cannot make an unconditional award, this time limit may be extended by mutual agreement for one (1) month. (Contract shall be awarded on a lump sum by section basis.)

SECTION 104 - SCOPE OF WORK**Subsection 104.01 Intent of Contract.**

The following is added to this Subsection of the Standard Specifications:

The work to be performed under this Contract consists of the furnishing and delivery of beam guide rail elements in the quantities specified. Delivery shall be to the Bridge Division at the Ocean County Garage, Chestnut Street, Toms River, New Jersey or as specified on Purchase Order.

The material herein designated is to be supplied for one year from the date of award unless an agreement is entered into by the contracting parties to continue the contract in force until other contracts are entered into.

SECTION 106 - CONTROL OF MATERIAL**Subsection 106.06 Materials Field Laboratory.**

The following is added to this Subsection of the standard Specifications:

No materials field laboratory will be required.

SECTION 609 – BEAM GUIDE RAIL AND TANGENT GUIDE RAIL**Subsection 609.01 Description.**

This Subsection of the Standard Specifications is changed to read as follows:

This work shall consist of the furnishing and delivery of beam guide rail and tangent guide rail elements as required in the Proposal in accordance with the attached Plans and the Standard and Supplementary Specifications.

A beam guide rail (Control Release Terminal Anchorage) kit shall consist of:

- 2 – 6" x 8" Treated Timber End Posts 3'-6½" long each
- 1 – 30" Diameter Buffer End Section
- 1 – ¾" Diameter Cable Assembly with 6'-8" overall length. Each end shall have one 1'-3" swaged fitting that includes a 1" dia. X 7" long stud threaded
- 1 – Anchor Plate Assembly
- 1 – Terminal Connector
- 1 – Bearing Plate, 8" x 8" x 5/8" with 1-1/16" dia. hole and 3/16" x 1" x 8" steel plate tack welded to 5/8" plate
- 2 – 2' x 1'-6" x ¼" soil plate with two 7/8" dia. holes
- 1 - ¾" diameter x 9' long cable with one swaged end and six ¾" cable clips
- 1 – 13" long 10" O.D. Sch40 Galvanized steel pipe with one ¾" dia. hole drilled and a 3/8" x 4" x 1'-0" galvanized steel plate welded to top
- 1 – 2" diameter 6" long galvanized pipe
- 1 – Standard piece of guide rail with 8 holes to attach
- 2 – TS-8" x 6" x 3/16" structural tubes x 60" long ea.

2½" x 2½" x ¼" x 8" galvanized structural tube tack welded with a 2½" x 2½" x ¼" steel plate with 1-1/16" dia. hole to tubal steel creating post B

All nuts, washers and bolts necessary to assemble all components of the Control Release Terminal Anchorage to itself, or to existing beam guide rail sections.

Steel tube may have soil plates prewelded to them if manufacturer desires.

SECTION 609 – BEAM GUIDE RAIL AND TANGENT GUIDE RAIL (CONT'D)**Subsection 609.01 Description. (Cont'd)**

The galvanized steel rail elements designated to have additional post holes punched in them shall be standard 12'-6" rail section with ¾" x 2 ½" post bolt slots.

Wire rope cable to conform to the requirements of AASHTO M30 and be ¾" diameter preformed, 6x19, wire strand core or independent wire rope core, galvanized, right regular lay, manufactured of improved plow steel with a minimum breaking strength of 42,800 pounds.

Item 20 – King Blocks With Nuts and Bolts

Other synthetic 6" x 8" x 14" block outs seen on current NJDOT qualified product list may be substituted (example- Mondo Block)

Item 24 - Beam Guide Rail Post With Base Plate, 2'-8" Tall shall consist of:

- 1 - W6x20 post, Welded to 1'x1'x1 ½" Base Plate
- 4 – 7/8" dia. high strength anchor bolts, 6" long
- 1 – W6x9 block out 14" long
- All assembly hardware

W6x20 post length may vary due to curbing placement and height of curbing. Height of post shall be provided with order. Posts shall be welded to base plates as per NJDOT detail CD609-11 and shall conform to ANSI/AASHTO/AWS D1.5 bridge welding code. Structural steel plates and shapes shall conform to ASTM A36 and shall be galvanized per ASTM A123. Steel bolts, nuts, and washers shall conform to ASTM A307, unless designated as high strength. High strength bolts, nuts and washers shall conform to ASTM A325. Hardware shall be galvanized per ASTM A153.

Item 25 - Beam Guide Rail Post With Base Plate, 2'-11" Tall shall consist of:

- 1 - W6x20 post, Welded to 1'x1'x1 ½" Base Plate
- 4 - 7/8" dia. high strength anchor bolts, 6" long
- 1 – M14X18 block out 17" long
- All assembly hardware

W6x20 post length may vary due to curbing placement and height of curbing. Height of post shall be provided with order. Posts shall be welded to base plates as per NJDOT detail CD609-11 and shall conform to ANSI/AASHTO/AWS D1.5 bridge welding code. Structural steel plates and shapes shall conform to ASTM A36 and shall be galvanized per ASTM A123. Steel bolts, nuts, and washers shall conform to ASTM A307, unless designated as high strength. High strength bolts, nuts and washers shall conform to ASTM A325. Hardware shall be galvanized per ASTM A153.

Rub Rail

For rub rail, use steel channels of structural steel conforming to ASTM A 36 and galvanized according to ASTM A 123.

Wood Posts and Wood Blocks

Manufactured sawn wood posts and wood blocks from southern pine or douglas fir with extreme fiber stress in bending in excess of 1200 pounds per square inch, as assigned according to Southern Pine Inspection Bureau or West Coast Lumber Inspection Bureau grading rules. The manufacturer may rough saw or dress wood posts wood blocks.

Southern Pine wood shall be treated with CCA or pentachlorophenol. Refer to C14 AWP standard reference for minimum retention level.

Douglas Fir wood shall be treated with ACZA. Refer to C14 AWP standard reference for minimum retention level.

SECTION 609 – BEAM GUIDE RAIL AND TANGENT GUIDE RAIL (CONT'D)**Subsection 609.01 Description. (Cont'd)****Butterfly-Type Guide Rail Delineators**

On divided highways, install one-way, butterfly-type guide rail delineators. The delineators shall be bolt-on type with white reflectors installed on the right side of the direction of traffic and with yellow reflectors installed on the left side of the direction of traffic.

On two-way roadways, install two-way, butterfly-type guide rail delineators. The delineators shall be bolt-on type with a white reflector on one side and a yellow reflector on the other. Install the delineators with the white side facing the right side of the direction of traffic. Install the delineators with the yellow side facing the left side of the direction of traffic.

Item 26 – Beam Guide Rail Anchorage Kit

- 2 - 6" x 8" treated timber end posts 3'-10" long
- 1 – End section (rounded), 6¼" Radius
- 1 – ¾" diameter cable assembly with 6'-8" overall length. Each end shall have one 1'-3" swaged fitting that includes a 1" diameter x 7" long stud threaded
- 1 – Anchor plate assembly
- 1 – Bearing plate 8" x 8" x 5/8" with 1-1/8" dia. hole
- 1 – Ground strut Assembly
- 2 – TS 8" x 6" x 3/16" structural tubes 6'-0" long
- 1 – Standard piece of W-beam rail with 8 holes to attach anchor bracket

All nuts, washers, and bolts necessary to assemble all components of the beam guide rail assembly to itself, or to existing beam guide rail sections

Anchor cable assemblies used shall have a minimum breaking strength of 40,000lbs.

Item 43 – Tangent Guide Rail Terminal SKT-SP, 27 1/4" High Only shall consist of:

- 1 – SKT Impact Head (S3000)
- 1 – SKT Anchor Rail 12'-6" (SF1303)
- 3 – W-Beam Guide Rail 12'-6" (G1203)
- 1 – First Post Top (6x6x1/8" Tube) (TPHP1A)
- 1 – First Post Bottom (6" W6x15) (TPHP1B)
- 1 – Universal Hinge Post #2 Upper (UHP2A)
- 1 – Hinged Post Lower (HP-B)
- 6 – Steel Line Post (6' W6x9) (P621)
- 1 – Bearing Plate (E750)
- 1 – Cable Anchor Box (S760)
- 1 – BCT Cable Anchor Assembly (E770)
- 6 – Recycled Plastic Block Approved by NJDOT on QPL(CBSP-14)
- 2 – 5/16 x 1 Hex Bolt Grade 5 (B5160104A)
- 4 – 5/16 Washer (W0516)
- 2 – 5/16 Hex Nut (N0516)
- 25 – 5/8 x 1 ¼ Splice Bolt (B580122)
- 1 – 5/8 x 9 Hex Bolt Grade 5 (B580904A)
- 6 – 5/8 x 10 H.G.R. Bolt (B581002)
- 3 – 5/8 Washer (W050)

SECTION 609 – BEAM GUIDE RAIL AND TANGENT GUIDE RAIL (CONT'D)**Subsection 609.01 Description. (Cont'd)****Item 43 – Tangent Guide Rail Terminal SKT-SP, 27 1/4" High Only shall consist of: (Cont'd)**

- 31 – 5/8 H.G.R. Nut (N050)
- 1 – 5/8 Nut (N055)
- 1 – 3/4 x 8 1/2 Hex Bolt Grade A449 (B340854A)
- 1 – 3/4 Hex Nut (N030)
- 2 – 1" Anchor Cable Hex Nut (N100)
- 2 – 1" Anchor Cable Washer (W100)
- 8 – 1/2 RSI Shoulder Bolt W/ Washer (SB12A)
- 8 – 1/2 Structural Nut (N012A)
- 8 – 1/2 Structural Washer (W012A)
- 1 – Bearing Plate Retainer Tie (CT-100ST)

Item 51 - SKT-SP 350 Hardware Package shall consist of:

- 2 – 5/16"x 1" Hex Bolt grade 5 (B5160104A)
- 4 – 5/16" Washer (W0516)
- 2 – 5/16" Hex Nut (N0516)
- 9 – 5/8" Dia. x 1 1/4" Splice Bolt -post #2 (B580122)
- 1 – 5/8" Dia. x 9" Hex Bolt grade 5 (B580904A)
- 3 – 5/8" Washer (W050)
- 10 – 5/8" Dia. H.G.R. Nut (N050)
- 1 – 3/4" Dia. x 8 1/2" Hex Bolt grade A449 (B340854A)
- 1 – 3/4" Dia. Hex Nut (N030)
- 2 – 1 Anchor Cable Hex Nut (N100)
- 2 – 1 Anchor Cable Washer (W100)
- 8 – Cable Anchor Box Shoulder Bolt (SB58A)
- 8 – 1/2" A325 Structural Nut (N055A)
- 16 – 11/16" OD x 9/16" ID A325 Str. Washer (W050A)

Item 79 – Tangent Guide Rail Terminal MSKT-SP-MGS (With 8" Synthetic Blockouts) (Standard Post), 31" High Only shall consist of:

- 1 – Impact Head (MS3000)
- 1 – W-Beam guide rail end section, 12ga. (SF1303)
- 1 – First Post Top (6x6x1/8" Tube) (MTPHP1A)
- 1 – First Post Bottom (6' W6x15) (MTPHP1B)
- 1 – Second Post Assembly Top (UHP2A)
- 1 – Second Post Assembly Bottom (HP2B)
- 1 – Bearing Plate (E750)
- 1 – Cable Anchor Box (S760)
- 1 – BCT Cable Anchor Assembly (E770)
- 1 – Strut (MS785)
- 6 – 6x9 (6x8.5) Steel Post (P621)
- 6 – Recycled Plastic Block Approved by NJDOT on QPL (P618)
- 1 – W-Beam MGS Rail Section (9'-4 1/2") (G12025)

SECTION 609 – BEAM GUIDE RAIL AND TANGENT GUIDE RAIL (CONT'D)**Subsection 609.01 Description. (Cont'd)****Item 79 – Tangent Guide Rail Terminal MSKT-SP-MGS (With 8” Synthetic Blockouts) (Standard Post), 31” High Only shall consist of: (Cont'd)**

- 2 – W-Beam MGS Rail Section (12'-6") (G1203A)
- 2 – 5/16 x 1 Hex Bolt Grade 5 (B5160104A)
- 4 – 5/16 Washer (W0516)
- 2 – 5/16 Hex Nut (N0516)
- 25 – 5/8 Dia. X 1 ¼ Splice Bolt (Post #2) (B580122)
- 2 – 5/8 Dia. X 9 Hex Bolt A449 (B580904A)
- 3 – 5/8 Washer (W050)
- 33 – 5/8 Dia. H.G.R. Nut (N050)
- 1 – ¾ Dia. X 8 ½ Hex Bolt Grade A449 (B340854A)
- 1 – ¾ Dia. Hex Nut (N030)
- 2 – 1 Anchor Cable Hex Nut (N100)
- 2 – 1 Anchor Cable Washer (W100)
- 8 – ½ RSI Shoulder Bolt W/ Washer (SB12A)
- 8 – ½ Structural Nut (N012A)
- 8 – ½ Structural Washer (W012A)
- 1 – Bearing Plate Retainer Tie (CT-100ST)
- 6 – 5/8" x 14" H.G.R. Bolt (B581402)

SECTION 609 – BEAM GUIDE RAIL AND TANGENT GUIDE RAIL (CONT'D)**Beam Guide Rail Installation, Off Roadway, Less Than 250 LF**

Contractor shall furnish, deliver, and install beam guide rail at locations outside the clear zone of the roadway. The intent of the guiderail is to prohibit unauthorized vehicles from driving onto recreational trails on County Properties. Contractor shall construct the guide rail complying with the following minimum requirements:

During installation the successful bidder shall follow the previously revised NJDOT standard drawings from the 2007 Standard Roadway Construction – Traffic Control – Bridge Construction Details. If one is unfamiliar with this detail, the guide rail shall have a finished height of 27 ¼”, measured to the top of w-beam rail, and posts shall be installed at the center of rail splices in the w-beam rail face. At times the successful bidder may need to work in areas that has brush, or is wooded with dense smaller diameter trees (diameters less than 6inches). At times use of smaller equipment, i.e. a mini excavator with an auger, 3 point post hole diggers, gas powered single flute hand held post hole diggers, or manual post diggers and shovels may be necessary to install portions of the guide rail runs. Contractor shall be aware prior to bidding that the County will restrict activities of site preparation for gaining additional working area. Unwarranted site alterations include: clearing of larger trees (trees greater than 4in diameters), excessive overhead branch pruning, excessive clearing of brush, grading, utility relocations, or excavating holes for posts larger than a 4 square foot area (i.e. 2’-3” diameter or 2ft wide by 2ft long). Since this run of rail will only be installed outside the clear zone, post spacing may be increased to 12’-6” and block outs are not necessary. A signed and sealed plan from the Ocean County Engineer is required prior to installation.

The W-Beam rail element shall be high strength, low-alloy weathering steel conforming to the requirements of ASTM A 709, Grade 50W and AASHTO M 180, Type IV, Class A. The posts shall be fabricated of high strength, low-alloy structural, weathering steel conforming to the requirements of current ASTM A 709, Grade 50W. The bottom 4'-2" of the six (6) foot guide rail posts shall be galvanized in accordance with AASHTO M 111.

All other materials and hardware including the rounded end sections shall comply with the 2007 NJDOT Standard Specifications for Road and Bridge Construction seen in section 913.

Install beam guide rail posts to the required position while using a grade line strung for overall visual appeal, horizontally and vertically, prior to posts being installed. Ensure that posts are installed plumb, properly spaced, and meeting a vertical height tolerance of 4” to the specified top rail height.

Contractor may be required to field cut rail elements.

Contractor shall peen or weld the rail bolt at each post after assembly to prevent the nut from being removed to discourage unauthorized people from dismantling the guiderail.

The materials required for installation include 12.5’ W-Beam Rail in weathering steel, 6’ long W6x8.5 or W6x9 Weathering Steel Posts that are hot dip galvanized to 8” minimum above the proposed ground line, End Sections (Rounded), 1 ¼” long 5/8” diameter galvanized splice bolts with 2 washers and nut, and 1 ½” long 5/8” diameter galvanized hex head bolt with 2 washers and hex nut. All items shall follow the specs of the respective items in this bid and the NJDOT Standard Specifications for Road and Bridge Construction, 2007. This item shall be paid for by the linear foot and shall include the fabrication, delivery, and installation of the beam guide rail and all required posts and fasteners for the proper installation of the beam guide rail.

SECTION 609 – BEAM GUIDE RAIL AND TANGENT GUIDE RAIL (CONT'D)**Beam Guide Rail Installation, Off Roadway, Greater Than 250 LF**

Contractor shall furnish, deliver, and install beam guide rail at locations outside the clear zone of the roadway. The intent of the guiderail is to prohibit unauthorized vehicles from driving onto recreational trails on County Properties. Contractor shall construct the guide rail complying with the following minimum requirements:

During installation the successful bidder shall follow the previously revised NJDOT standard drawings from the 2007 Standard Roadway Construction – Traffic Control – Bridge Construction Details. If one is unfamiliar with this detail, the guide rail shall have a finished height of 27 ¼”, measured to the top of w-beam rail, and posts shall be installed at the center of rail splices in the w-beam rail face. At times the successful bidder may need to work in areas that has brush, or is wooded with dense smaller diameter trees (diameters less than 6inches). At times use of smaller equipment, i.e. a mini excavator with an auger, 3 point post hole diggers, gas powered single flute hand held post hole diggers, or manual post diggers and shovels may be necessary to install portions of the guide rail runs. Contractor shall be aware prior to bidding that the County will restrict activities of site preparation for gaining additional working area. Unwarranted site alterations include: clearing of larger trees (trees greater than 4in diameters), excessive overhead branch pruning, excessive clearing of brush, grading, utility relocations, or excavating holes for posts larger than a 4 square foot area (i.e. 2’-3” diameter or 2ft wide by 2ft long). Since this run of rail will only be installed outside the clear zone, post spacing may be increased to 12’-6” and block outs are not necessary. A signed and sealed plan from the Ocean County Engineer is required prior to installation.

The W-Beam rail element shall be high strength, low-alloy weathering steel conforming to the requirements of ASTM A 709, Grade 50W and AASHTO M 180, Type IV, Class A. The posts shall be fabricated of high strength, low-alloy structural, weathering steel conforming to the requirements of current ASTM A 709, Grade 50W. The bottom 4'-2" of the six (6) foot guide rail posts shall be galvanized in accordance with AASHTO M 111.

All other materials and hardware including the rounded end sections shall comply with the 2007 NJDOT Standard Specifications for Road and Bridge Construction seen in section 913.

Install beam guide rail posts to the required position while using a grade line strung for overall visual appeal, horizontally and vertically, prior to posts being installed. Ensure that posts are installed plumb, properly spaced, and meeting a vertical height tolerance of 4” to the specified top rail height.

Contractor may be required to field cut rail elements.

Contractor shall peen or weld the rail bolt at each post after assembly to prevent the nut from being removed to discourage unauthorized people from dismantling the guiderail.

The materials required for installation include 12.5’ W-Beam Rail in weathering steel, 6’ long W6x8.5 or W6x9 Weathering Steel Posts that are hot dip galvanized to 8” minimum above the proposed ground line, End Sections (Rounded), 1 ¼” long 5/8” diameter galvanized splice bolts with 2 washers and nut, and 1 ½” long 5/8” diameter galvanized hex head bolt with 2 washers and hex nut. All items shall follow the specs of the respective items in this bid and the NJDOT Standard Specifications for Road and Bridge Construction, 2007. This item shall be paid for by the linear foot and shall include the fabrication, delivery, and installation of the beam guide rail and all required posts and fasteners for the proper installation of the beam guide rail.

SECTION 609 – BEAM GUIDE RAIL AND TANGENT GUIDE RAIL (CONT'D)**Weathering Steel Rail Elements**

Weathering Steel Rail Elements shall only be used outside the clear zone of the roadway.

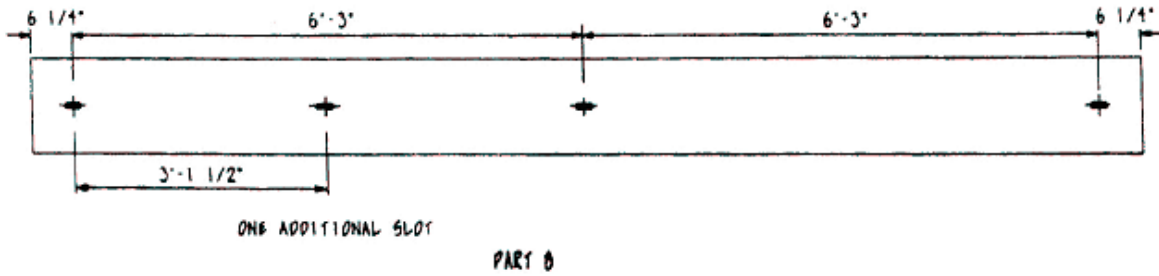
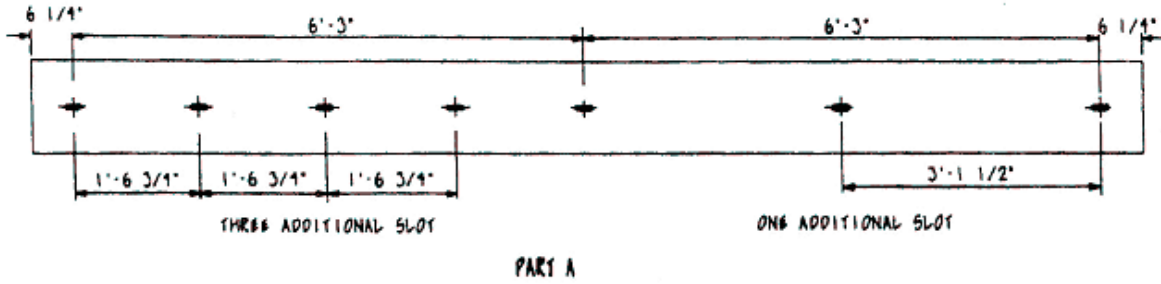
For weathering steel rail elements including 12.5' W-Beam Rail, Weathering Steel and Weathering Steel End Sections (Rounded), the fabricated rail elements shall be high strength, low-alloy weathering steel conforming to the requirements of ASTM A 709, Grade 50W and AASHTO M 180, Type IV, Class A.

Weathering Steel Posts

Weathering Steel Posts shall only be used outside the clear zone of the roadway.

For Weathering Steel Posts shall be fabricated of high strength, low-alloy structural, weathering steel conforming to the requirements of current ASTM A 709, Grade 50W. The bottom 4'-2" of the six (6) foot guide rail posts shall be galvanized in accordance with AASHTO M 111.

ITEM # 14 & 15 – GALVANIZED STEEL RAIL ELEMENTS, ADDITIONAL HOLES FOR STIFFENING



ADDITIONAL POST HOLES DETAIL

SCALE: 1/2" = 1'-0"

ITEM # 18 & 19 – GUIDE RAIL ELEMENTS, GALVANIZED 12.5' EFFECTIVE LENGTH

