ANODIZED ALUMINUM GUARDRAIL & HANDRAILS HAMPTON BEACH STATE PARK HAMPTON, NH

SPECIFICATIONS

PROJECT # PR-1611

STATE OF NEW HAMPSHIRE
DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT
DIVISION OF PARKS AND RECREATION
PLANNING AND DEVELOPMENT SECTION

FEBRUARY 2016

STATE OF NEW HAMPSHIRE
DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT
DIVISION OF PARKS AND RECREATION
PLANNING AND DEVELOPMENT
172 Pembroke Road
Concord, NH 03301
Tel. (603) 271-2606 Fax (603) 271-2629

SPECIFICATIONS

ANODIZED ALUMINUM GUARDRAIL & HANDRAILS
HAMPTON BEACH STATE PARK
HAMPTON, NH

PROJECT # PR-1611

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STATE OF NEW HAMPSHIRE
DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT
DIVISION OF PARKS AND RECREATION
PLANNING AND DEVELOPMENT
172 Pembroke Road
Concord, N.H. 03301
TEL. 603-271-2606 FAX 603-271-2629

NOTICE TO BIDDERS

Project: #PR-1611 **ANODIZED ALUMINUM GUARDRAIL AND HANDRAILS HAMPTON BEACH STATE PARK HAMPTON, NH**

Bid proposals for the above project will be accepted until 2:00 P.M., prevailing time, on Thursday March 24 2016. Proposals should be mailed to: Attn: Ed Mussey Public Works Project Manager I Department of Resources and Economic Development 172 Pembroke Road, Concord, NH 03301.

Specifications will be available to interested contractors at the Planning and Development Office on February 19, 2016. They may also be viewed at the following locations:

1.) Construction Summary of New Hampshire Inc. 734 Chestnut Street, Manchester, NH 03104 Tel. (603) 627-8856.
2.) Infinite Imaging 933 Islington Street, Portsmouth, NH 03801 Tel. 1-800-581-2712
3.) McGraw-Hill Construction Plan Room 880, Second Street, Manchester, NH 03104 Tel. (603) 645-6554
4.) Signature Press & Blueprinting, 45 Londonderry Turnpike, Hooksett, NH 03106 Tel. (603) 624-4025
5.) Works in Progress, 20 Farrell Street, Suite 103, South Burlington, VT 05403 Tel. 1-800-669-7048
6.) New Hampshire Department of Administrative Services Bureau of Purchase and Property Website http://admis.state.nh.us/purchasing/vendorresources.asp
7.) New Hampshire State Parks Website http://www.nhstateparks.org under the News & Events tab improvement projects sub tab.

All bidders will be required to attend the pre-bid conference at the Hampton Beach State Park, Outside the Meter Patrol Office in Hampton, NH at 10:00 a.m. on Tuesday March 15, 2016.

At the time of the bid opening, a bid bond accompanying the bid proposal will be required in the amount of 5% of the total amount of the lump sum price. Bid proposals should be made out only on the form attached to the specifications. These forms are also available from the Planning & Development office. Bid Proposals are to be submitted in a sealed envelope marked: Bid Proposal: Guardrail and Handrails Hampton Beach State Park Project No. PR-1611.

_____
Edward Mussey
Public Works Project Manager I

STATE OF NEW HAMPSHIRE
DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT
DIVISION OF PARKS AND RECREATION
PLANNING AND DEVELOPMENT
172 Pembroke Road
Concord, N.H. 03301
TEL. 603-271-2606 FAX 603-271-2629

BID PROPOSAL FORM

PROJECT: #PR-1611 **ANODIZED ALUMINUM GUARDRAILS AND HANDRAILS**
HAMPTON BEACH STATE PARK
HAMPTON, NH

MANDATORY PRE BID MEETING: March 15, 2016 at 10:00 am sharp.

DATE BIDS DUE: March 24, 2016 at 2:00 p.m.

START DATE: May 4, 2016. On site work not to commence until September 19, 2016

COMPLETION DATE: No later than November 18, 2016

Bid proposals for the above project will be accepted until 2:00 p.m., prevailing time, on March 24, 2016. Bids should be mailed to Attn: Ed Mussey Public Works Project Manager I Department of Resources and Economic Development, 172 Pembroke Road, Concord, NH 03301 Please note on the outside of the envelope "Bid Proposal" Project No. PR-1611.

DATE:_____

PROPOSAL OF:_____

GRAND TOTAL / LUMP SUM BASE BID:_____

STATE OF NEW HAMPSHIRE
DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT
DIVISION OF PARKS AND RECREATION
PLANNING AND DEVELOPMENT

PROPOSAL

Proposal of...

_____
(name)

_____
(address)

To furnish and deliver all materials except as noted and to perform all work in accordance with the Contract of the State of New Hampshire, Department of Resources and Economic Development for the construction of...

Project #PR-1611 Anodized Aluminum Guardrails and Handrails at Hampton Beach State Park, Hampton, NH.

Commissioner
Department of Resources and Economic Development
172 Pembroke Road
Concord, N.H. 03301

Commissioner:

In accordance with the advertisement of the Department of Resources and Economic Development inviting proposals for the project herein before named and in conformity with the Plans and Specifications on file in the office of the Department of Resources and Economic Development, _____(firm name) hereby certifies that _____ is/are the only person, or persons, interested in this proposal as principals; that this proposal is made without collusion with any person, firm, or corporation; that an examination has been made of the Plans, of the Standard Specifications, and Special Attentions, Supplemental Specifications, and Special Provisions, all of which are attached hereto, and also of the site of the work; and I, or we, propose to furnish all necessary machinery, equipment, tools, labor, and other means of construction, and to furnish all materials specified in the manner and at the time prescribed; and understand that the quantities of work as shown herein are approximate only and are subject to increase or decrease, and further understand that all quantities of work are to be performed at the quoted prices.

To execute the form of contract and begin work within 15 (fifteen) days after the notice to proceed has been received or otherwise delivered to the contractor and to prosecute said work until its completion.

It is further proposed:

To furnish a contract bond in the amount of one hundred percent (100%) of the contract award, if the contract award is thirty-five thousand dollars ($35,000) or more, as security for the completion of the contract in accordance with the plans and specifications and contract documents. The form of bond shall be that provided for by the Department, and the surety shall be acceptable to the Commissioner. No contract bond shall be required on contract awards of less than thirty-five thousand dollars ($35,000).

To guarantee all of the work performed under this contract to be done in accordance with the plans and specifications and contract documents.

The undersigned acknowledges receipt of the following addenda, if any, issued during the bidding time, and states that these have been incorporated in the proposal:

Addendum #1 dated_____

Addendum #2 dated_____

Addendum #3 dated_____

Dated_____

SCHEDULE OF VALUES PROJECT # PR-1611

INDICATE DOLLAR AMOUNT OF CONTRACT SUM ALLOCATED TO EACH CATEGORY OF WORK AS DESIGNATED BELOW:

Category	Quantity	Unit Price	Sub Total (Quantity X Unit Price
General Conditions	1		
Selective Demolition			
Item A	17		
Item B	4		
Item C	2		
Item D	3		
Item E	2		
Guardrails & Handrails			
Item A	17		
Item B	4		
Item C	2		
Item D	3		
Item E	2		
Allowance #1	1	$10,000	$10,000
		Total Lump Sum >	

ALLOWANCE #1: Unanticipated Modification and/or Additions to Contract Items:
Include in the Contract, a stipulated sum/price of **$10,000** for use upon the Project Managers instruction. This Allowance will make money available for modifications and/or additions to contract items due to owner-initiated changes, or for unknown, latent or differing existing conditions, or for the removal of hazardous materials that are encountered by construction.

a. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from this Allowance. The cost of the bond for the amount of Allowance shall be included as part of the lump sum base bid.

b. Funds will be drawn from an Allowance only by Change Order. Contractor can proceed with Change Order Work against Allowance with direction from the Project Manager. The Contractor shall not proceed with any work that will exceed the amount of Allowance remaining.

c. Credits can only be added to an Allowance by Alteration Order. The Contractor may not use a credit until an Alteration Order is fully executed.

d. Not withstanding the Contractors objection, the Project Manager may at any time reduce the funds remaining in the Allowance by Alteration Order.

e. At Final Payment of the Contract, funds remaining in the Allowance will be credited to the State.

Total Lump Sum of Contract (Including Allowances).....

NOTE: The Schedule of values must be completely filled out in order for the bid proposal to be considered as responsive.

SIGNATURE PAGE

Company Name _____

Address _____

_____

Phone _____

Fax _____

E-mail Address _____

Signature of Authorized Bidder _____

Print _____

Title _____

Address of Bidder _____
(if different than company)

Names and Addresses of Members of the Firm/Corporation

Name _____ address _____

Name _____ address _____

Name _____ address _____

Notice: This agreement and all of its attachments shall become public upon submission to Governor and Executive Council for approval. Any information that is private, confidential or proprietary must be clearly identified to the agency and agreed to in writing prior to signing the contract.

AGREEMENT

The State of New Hampshire and the Contractor hereby mutually agree as follows:

GENERAL PROVISIONS

1. IDENTIFICATION.

1.1 State Agency Name		1.2 State Agency Address	
1.3 Contractor Name		1.4 Contractor Address	
1.5 Contractor Phone Number	1.6 Account Number	1.7 Completion Date	1.8 Price Limitation
1.9 Contracting Officer for State Agency		1.10 State Agency Telephone Number	
1.11 Contractor Signature		1.12 Name and Title of Contractor Signatory	

1.13 Acknowledgement: State of , County of

On , before the undersigned officer, personally appeared the person identified in block 1.12, or satisfactorily proven to be the person whose name is signed in block 1.11, and acknowledged that s/he executed this document in the capacity indicated in block 1.12.

1.13.1 Signature of Notary Public or Justice of the Peace

[Seal]

1.13.2 Name and Title of Notary or Justice of the Peace

1.14 State Agency Signature Date:	1.15 Name and Title of State Agency Signatory

1.16 Approval by the N.H. Department of Administration, Division of Personnel *(if applicable)*

By: Director, On:

1.17 Approval by the Attorney General (Form, Substance and Execution) *(if applicable)*

By: On:

1.18 Approval by the Governor and Executive Council *(if applicable)*

By: On:

SAMPLE

2. EMPLOYMENT OF CONTRACTOR/SERVICES TO BE PERFORMED. The State of New Hampshire, acting through the agency identified in block 1.1 ("State"), engages contractor identified in block 1.3 ("Contractor") to perform, and the Contractor shall perform, the work or sale of goods, or both, identified and more particularly described in the attached EXHIBIT A which is incorporated herein by reference ("Services").

3. EFFECTIVE DATE/COMPLETION OF SERVICES.
3.1 Notwithstanding any provision of this Agreement to the contrary, and subject to the approval of the Governor and Executive Council of the State of New Hampshire, if applicable, this Agreement, and all obligations of the parties hereunder, shall become effective on the date the Governor and Executive Council approve this Agreement as indicated in block 1.18, unless no such approval is required, in which case the Agreement shall become effective on the date the Agreement is signed by the State Agency as shown in block 1.14 ("Effective Date").
3.2 If the Contractor commences the Services prior to the Effective Date, all Services performed by the Contractor prior to the Effective Date shall be performed at the sole risk of the Contractor, and in the event that this Agreement does not become effective, the State shall have no liability to the Contractor, including without limitation, any obligation to pay the Contractor for any costs incurred or Services performed. Contractor must complete all Services by the Completion Date specified in block 1.7.

4. CONDITIONAL NATURE OF AGREEMENT.
Notwithstanding any provision of this Agreement to the contrary, all obligations of the State hereunder, including, without limitation, the continuance of payments hereunder, are contingent upon the availability and continued appropriation of funds, and in no event shall the State be liable for any payments hereunder in excess of such available appropriated funds. In the event of a reduction or termination of appropriated funds, the State shall have the right to withhold payment until such funds become available, if ever, and shall have the right to terminate this Agreement immediately upon giving the Contractor notice of such termination. The State shall not be required to transfer funds from any other account to the Account identified in block 1.6 in the event funds in that Account are reduced or unavailable.

5. CONTRACT PRICE/PRICE LIMITATION/ PAYMENT.
5.1 The contract price, method of payment, and terms of payment are identified and more particularly described in EXHIBIT B which is incorporated herein by reference.
5.2 The payment by the State of the contract price shall be the only and the complete reimbursement to the Contractor for all expenses, of whatever nature incurred by the Contractor in the performance hereof, and shall be the only and the complete compensation to the Contractor for the Services. The State shall have no liability to the Contractor other than the contract price.
5.3 The State reserves the right to offset from any amounts otherwise payable to the Contractor under this Agreement those liquidated amounts required or permitted by N.H. RSA 80:7 through RSA 80:7-c or any other provision of law.
5.4 Notwithstanding any provision in this Agreement to the contrary, and notwithstanding unexpected circumstances, in no event shall the total of all payments authorized, or actually made hereunder, exceed the Price Limitation set forth in block 1.8.

6. COMPLIANCE BY CONTRACTOR WITH LAWS AND REGULATIONS/ EQUAL EMPLOYMENT OPPORTUNITY.
6.1 In connection with the performance of the Services, the Contractor shall comply with all statutes, laws, regulations, and orders of federal, state, county or municipal authorities which impose any obligation or duty upon the Contractor, including, but not limited to, civil rights and equal opportunity laws. This may include the requirement to utilize auxiliary aids and services to ensure that persons with communication disabilities, including vision, hearing and speech, can communicate with, receive information from, and convey information to the Contractor. In addition, the Contractor shall comply with all applicable copyright laws.
6.2 During the term of this Agreement, the Contractor shall not discriminate against employees or applicants for employment because of race, color, religion, creed, age, sex, handicap, sexual orientation, or national origin and will take affirmative action to prevent such discrimination.
6.3 If this Agreement is funded in any part by monies of the United States, the Contractor shall comply with all the provisions of Executive Order No. 11246 ("Equal Employment Opportunity"), as supplemented by the regulations of the United States Department of Labor (41 C.F.R. Part 60), and with any rules, regulations and guidelines as the State of New Hampshire or the United States issue to implement these regulations. The Contractor further agrees to permit the State or United States access to any of the Contractor's books, records and accounts for the purpose of ascertaining compliance with all rules, regulations and orders, and the covenants, terms and conditions of this Agreement.

7. PERSONNEL.
7.1 The Contractor shall at its own expense provide all personnel necessary to perform the Services. The Contractor warrants that all personnel engaged in the Services shall be qualified to perform the Services, and shall be properly licensed and otherwise authorized to do so under all applicable laws.
7.2 Unless otherwise authorized in writing, during the term of this Agreement, and for a period of six (6) months after the Completion Date in block 1.7, the Contractor shall not hire, and shall not permit any subcontractor or other person, firm or corporation with whom it is engaged in a combined effort to perform the Services to hire, any person who is a State employee or official, who is materially involved in the procurement, administration or performance of this

Contractor Initials _____
Date_____

Agreement. This provision shall survive termination of this Agreement.
7.3 The Contracting Officer specified in block 1.9, or his or her successor, shall be the State's representative. In the event of any dispute concerning the interpretation of this Agreement, the Contracting Officer's decision shall be final for the State.

8. EVENT OF DEFAULT/REMEDIES.
8.1 Any one or more of the following acts or omissions of the Contractor shall constitute an event of default hereunder ("Event of Default"):
8.1.1 failure to perform the Services satisfactorily or on schedule;
8.1.2 failure to submit any report required hereunder; and/or
8.1.3 failure to perform any other covenant, term or condition of this Agreement.
8.2 Upon the occurrence of any Event of Default, the State may take any one, or more, or all, of the following actions:
8.2.1 give the Contractor a written notice specifying the Event of Default and requiring it to be remedied within, in the absence of a greater or lesser specification of time, thirty (30) days from the date of the notice; and if the Event of Default is not timely remedied, terminate this Agreement, effective two (2) days after giving the Contractor notice of termination;
8.2.2 give the Contractor a written notice specifying the Event of Default and suspending all payments to be made under this Agreement and ordering that the portion of the contract price which would otherwise accrue to the Contractor during the period from the date of such notice until such time as the State determines that the Contractor has cured the Event of Default shall never be paid to the Contractor;
8.2.3 set off against any other obligations the State may owe to the Contractor any damages the State suffers by reason of any Event of Default; and/or
8.2.4 treat the Agreement as breached and pursue any of its remedies at law or in equity, or both.

9. DATA/ACCESS/CONFIDENTIALITY/ PRESERVATION.
9.1 As used in this Agreement, the word "data" shall mean all information and things developed or obtained during the performance of, or acquired or developed by reason of, this Agreement, including, but not limited to, all studies, reports, files, formulae, surveys, maps, charts, sound recordings, video recordings, pictorial reproductions, drawings, analyses, graphic representations, computer programs, computer printouts, notes, letters, memoranda, papers, and documents, all whether finished or unfinished.
9.2 All data and any property which has been received from the State or purchased with funds provided for that purpose under this Agreement, shall be the property of the State, and shall be returned to the State upon demand or upon termination of this Agreement for any reason.
9.3 Confidentiality of data shall be governed by N.H. RSA chapter 91-A or other existing law. Disclosure of data requires prior written approval of the State.

10. TERMINATION. In the event of an early termination of this Agreement for any reason other than the completion of the Services, the Contractor shall deliver to the Contracting Officer, not later than fifteen (15) days after the date of termination, a report ("Termination Report") describing in detail all Services performed, and the contract price earned, to and including the date of termination. The form, subject matter, content, and number of copies of the Termination Report shall be identical to those of any Final Report described in the attached EXHIBIT A.

11. CONTRACTOR'S RELATION TO THE STATE. In the performance of this Agreement the Contractor is in all respects an independent contractor, and is neither an agent nor an employee of the State. Neither the Contractor nor any of its officers, employees, agents or members shall have authority to bind the State or receive any benefits, workers' compensation or other emoluments provided by the State to its employees.

12. ASSIGNMENT/DELEGATION/SUBCONTRACTS.
The Contractor shall not assign, or otherwise transfer any interest in this Agreement without the prior written notice and consent of the State. None of the Services shall be subcontracted by the Contractor without the prior written notice and consent of the State.

13. INDEMNIFICATION. The Contractor shall defend, indemnify and hold harmless the State, its officers and employees, from and against any and all losses suffered by the State, its officers and employees, and any and all claims, liabilities or penalties asserted against the State, its officers and employees, by or on behalf of any person, on account of, based or resulting from, arising out of (or which may be claimed to arise out of) the acts or omissions of the Contractor. Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the State, which immunity is hereby reserved to the State. This covenant in paragraph 13 shall survive the termination of this Agreement.

14. INSURANCE.
14.1 The Contractor shall, at its sole expense, obtain and maintain in force, and shall require any subcontractor or assignee to obtain and maintain in force, the following insurance:
14.1.1 comprehensive general liability insurance against all claims of bodily injury, death or property damage, in amounts of not less than $1,000,000per occurrence and $2,000,000 aggregate ; and
14.1.2 special cause of loss coverage form covering all property subject to subparagraph 9.2 herein, in an amount not less than 80% of the whole replacement value of the property.
14.2 The policies described in subparagraph 14.1 herein shall be on policy forms and endorsements approved for use in the State of New Hampshire by the N.H. Department of Insurance, and issued by insurers licensed in the State of New Hampshire.

Contractor Initials _____
Date_____

14.3 The Contractor shall furnish to the Contracting Officer identified in block 1.9, or his or her successor, a certificate(s) of insurance for all insurance required under this Agreement. Contractor shall also furnish to the Contracting Officer identified in block 1.9, or his or her successor, certificate(s) of insurance for all renewal(s) of insurance required under this Agreement no later than thirty (30) days prior to the expiration date of each of the insurance policies. The certificate(s) of insurance and any renewals thereof shall be attached and are incorporated herein by reference. Each certificate(s) of insurance shall contain a clause requiring the insurer to provide the Contracting Officer identified in block 1.9, or his or her successor, no less than thirty (30) days prior written notice of cancellation or modification of the policy.

15. WORKERS' COMPENSATION.
15.1 By signing this agreement, the Contractor agrees, certifies and warrants that the Contractor is in compliance with or exempt from, the requirements of N.H. RSA chapter 281-A *("Workers' Compensation").*
15.2 To the extent the Contractor is subject to the requirements of N.H. RSA chapter 281-A, Contractor shall maintain, and require any subcontractor or assignee to secure and maintain, payment of Workers' Compensation in connection with activities which the person proposes to undertake pursuant to this Agreement. Contractor shall furnish the Contracting Officer identified in block 1.9, or his or her successor, proof of Workers' Compensation in the manner described in N.H. RSA chapter 281-A and any applicable renewal(s) thereof, which shall be attached and are incorporated herein by reference. The State shall not be responsible for payment of any Workers' Compensation premiums or for any other claim or benefit for Contractor, or any subcontractor or employee of Contractor, which might arise under applicable State of New Hampshire Workers' Compensation laws in connection with the performance of the Services under this Agreement.

16. WAIVER OF BREACH. No failure by the State to enforce any provisions hereof after any Event of Default shall be deemed a waiver of its rights with regard to that Event of Default, or any subsequent Event of Default. No express failure to enforce any Event of Default shall be deemed a waiver of the right of the State to enforce each and all of the provisions hereof upon any further or other Event of Default on the part of the Contractor.

17. NOTICE. Any notice by a party hereto to the other party shall be deemed to have been duly delivered or given at the time of mailing by certified mail, postage prepaid, in a United States Post Office addressed to the parties at the addresses given in blocks 1.2 and 1.4, herein.

18. AMENDMENT. This Agreement may be amended, waived or discharged only by an instrument in writing signed by the parties hereto and only after approval of such amendment, waiver or discharge by the Governor and Executive Council of the State of New Hampshire unless no such approval is required under the circumstances pursuant to State law, rule or policy.

19. CONSTRUCTION OF AGREEMENT AND TERMS. This Agreement shall be construed in accordance with the laws of the State of New Hampshire, and is binding upon and inures to the benefit of the parties and their respective successors and assigns. The wording used in this Agreement is the wording chosen by the parties to express their mutual intent, and no rule of construction shall be applied against or in favor of any party.

20. THIRD PARTIES. The parties hereto do not intend to benefit any third parties and this Agreement shall not be construed to confer any such benefit.

21. HEADINGS. The headings throughout the Agreement are for reference purposes only, and the words contained therein shall in no way be held to explain, modify, amplify or aid in the interpretation, construction or meaning of the provisions of this Agreement.

22. SPECIAL PROVISIONS. Additional provisions set forth in the attached EXHIBIT C are incorporated herein by reference.

23. SEVERABILITY. In the event any of the provisions of this Agreement are held by a court of competent jurisdiction to be contrary to any state or federal law, the remaining provisions of this Agreement will remain in full force and effect.

24. ENTIRE AGREEMENT. This Agreement, which may be executed in a number of counterparts, each of which shall be deemed an original, constitutes the entire Agreement and understanding between the parties, and supersedes all prior Agreements and understandings relating hereto.

Contractor Initials _____
Date_____

GENERAL CONDITIONS

GENERAL

This contract is to be governed by all the applicable provisions of these specifications.

This project consists of removing Thermoplastic Guardrails and Handrails with steel reinforcement and replacing with Black Anodized Aluminum Pipe Railing at Hampton Beach State Park in Hampton, NH as indicated on the attached plans and these specifications.

BIDDING REQUIREMENTS

Bids shall only be accepted on the official Bid Proposal Forms, attached to these specifications. **Any bids submitted that are not on the official bid proposal forms will not be accepted.**

CONDITIONS AT SITE OR BUILDING

Bidders shall visit the site and be responsible for having ascertained pertinent local conditions such as: location, accessibility, general character of the site or building, the character and extent of existing work within or adjacent to the site, and any other work being performed thereon at the time of the submission of this bid.

PERFORMANCE AND PAYMENT BOND

In the event the bid is $35,000 or more, the contractor shall furnish security by bond or otherwise in an amount equal to 100% of the contract guaranteeing performance and payment. The payment security shall meet the requirements of RSA 447:16.

The performance and payment bond must be returned with the signed contract within 15 days after the contract has been mailed or otherwise delivered to the bidder.

PROPOSAL GUARANTEE

5% of the Lump Sum Base Bid by Bond or Certified Bank Check

RIGHT TO WORK IN N.H.

All bidders must be registered and have a certificate of existence from the Secretary of State, Corporate Division (telephone 603-271-3244) in order to do business with the State of New Hampshire.

PROPOSAL SELECTION

In most cases the proposal submitted by the qualified bidder with the lowest base bid price shall be selected. However, the Department of Resources and Economic Development reserves the right to reject any or all proposals, or advertise for new proposals as it judges to be in the best interest of the state.

CONTRACTORS QUALIFICATIONS

The successful bidder shall provide evidence upon request that they have been in the Guardrail and Handrail business successfully performing this type, scale, and quality of work for a minimum of five years. A comprehensive list of all projects worked on involving Guardrails and Handrails in the past two years by the contractor shall be submitted with references.

EXECUTION OF CONTRACT

The Contractor's attention is called to the following:

EXECUTION AND APPROVAL OF CONTRACT. The contract shall be signed by the successful Bidder and returned, together with the contract bond, if applicable, within 15 days after the contract has been mailed or otherwise delivered to the Bidder. No contract shall be considered as in effect until it has been fully executed by all the parties thereto and, when the contract amount is more than $25,000, the award has been concurred in by the Governor and Council.

FAILURE TO EXECUTE CONTRACT. Failure to execute the contract within 15 days after the contract has been mailed or otherwise delivered to the successful Bidder shall be just cause for the cancellation of the award and the forfeiture of the proposal guaranty which shall become the property of the Department, not as a penalty, but in liquidation of damages sustained. Award may then be made to the next lowest Bidder, or the work may be re-advertised as the Commissioner may decide.

STARTING DATE

The Contractor shall start work after notice to proceed is received. The notice to proceed shall be issued immediately upon contract approval by the Governor and Council, and shall establish the actual construction start date. Failure to start work within 15 calendar days after the start date shall be considered a default of the contract. If the actual start date is later than the advertised start date, the completion date shall be extended by an equivalent number of working days.

PROHIBITION OF WORK

The Contractor will not be allowed to work on site during the Peak Season June 15, 2016 to September 19, 2016. The contractor will be allowed to begin work on site on Monday September 19, 2016 following the week after the Annual Seafood Festival.

WORKSITE ACCOUNTABILITY

Per RSA 21-I:81-b At the onset of work on any state construction project, the general contractor or designated project construction manager, if any, shall provide to the Department Project Manager a current list of all subcontractors and independent contractors that the general contractor has agreed to use on the job site, with a record of the entity to whom that subcontractor is insured for worker's compensation purposes. This list shall be posted on the jobsite and updated as needed to reflect any new subcontractors or independent contractors.

If it is determined that a subcontractor or independent contractor is present on a state construction site without the contractor's name and direct contracting relationship being posted in a visible location at the worksite, the general contractor or designated project manager shall require the subcontractor or independent contractor to provide the information within 36 hours and to post the information in a visible location at the worksite. If the information is not provided within 36 hours of its request, the general contractor shall suspend the contractor until the information is provided and posted.

PROTECTION OF EXISTING PROPERTY

It shall be the responsibility of the contractor to protect existing property from damage. Any damage caused by the contractor in the performance of the work shall be repaired or replaced at his expense to the satisfaction of the Department Project Manager.

CODES

All work performed shall meet the provisions, if applicable, of the 2000 IBC, and any local codes that may apply.

WORKMANSHIP

All work shall be performed in a neat workmanlike manner by skilled workmen who have been actively engaged in performing the type of work specified under this contract for the last two years.

CLEAN-UP

All debris from the project shall be cleaned up daily and removed from the site at least on a daily basis.

DEFAULT AND TERMINATION OF CONTRACT

If the Contractor...

(a) Fails to begin the work under the contract within the time specified in the contract, or

(b) Fails to perform the work with sufficient workmen and equipment or with sufficient materials to assure the prompt completion of said work, or

(c) Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable, or

(d) Discontinues the prosecution of work, or

(e) Fails to resume work which has been discontinued, within reasonable time after notice to do so, or

(f) Becomes insolvent or is declared bankrupt, or commits any act of bankruptcy or insolvency, or

(g) Makes an assignment for the benefit of creditors, or

(h) For any other cause whatsoever, fails to carry on the work in an acceptable manner...

The Commissioner will give notice in writing to the Contractor of such delay, neglect, or default.

If the Contractor or Surety does not proceed in accordance with the Notice, then the Commissioner will, upon written notification from the Project Manager of the fact of such delay, neglect or default, and the Contractor's failure to comply with such notice, have full power and authority without violating the contract, to take the prosecution of the work out of the hands of the Contractor. The Commissioner may enter into an agreement for the completion of said contract according to the terms and conditions thereof, or use such other methods as in his opinion will be required for the completion of said contract in an acceptable manner.

All extra costs and charges incurred by the Department as a result of such delay, neglect or default, together with the cost of completion of the work under the contract will be deducted from any monies due or which may become due said Contractor. If such expenses exceed the sum which would have been payable under the contract, then the Contractor and the Surety shall be liable and shall pay to the Department, the amount of such excess.

FAILURE TO COMPLETE THE WORK ON TIME

If the Contractor fails to complete all of the work or sections of the Project, within the time specified in the Contract, the sum given in the schedule that follows will be deducted from any money due the Contractor. This deduction will be made, not as a penalty, but as fixed, agreed liquidation damages for inconvenience to the State and for reimbursing the Department the cost of the Administration of the Contract, including engineering and inspection. Should the amount of money otherwise due the Contractor be less than the amount of such liquidated damages, the Contractor and his Surety shall be liable to the State for such deficiency.

Permitting the Contractor to continue and finish the work after the time fixed for its completion, shall in no way obligate the State to waive any of its rights under the Contract.

When the final acceptance has been duly made by the Project Manager, any liquidated damage charges shall end.

The fixed, agreed, liquidated damages shall be assessed in accordance with the following schedule.

ORIGINAL CONTRACT AMOUNT		AMOUNT OF LIQUIDATED DAMAGES PER WORKING DAY
From more than:	to and including:	
0.	25,000.	$ 200.00
25,000.	50,000.	$ 300.00
50,000.	100,000.	$ 400.00
100,000.	500,000.	$ 500.00

SUBSTANTIAL COMPLETION & FINAL INSPECTION

When the work is substantially complete, the Contractor shall submit to the Project Manager, a list of items of work to be completed or corrected. The failure to include any items on such list does not alter the responsibility of the Contractor to complete all work in accordance with the Contract Documents. On the basis of an inspection by the Project Manager which determines that the work is substantially complete, a Certificate of Substantial Completion shall establish the date of substantial completion and state the responsibilities for any damage to the work and insurance, and fix the time limit within which the Contractor shall complete the items listed herein. Warranties required by the Contract documents shall commence on the date of Substantial Completion unless otherwise provided in the Certificate of Substantial Completion.

If the Contractor fails to proceed to complete the items on the "punch list", then in addition to the corrective measures listed in the Certificate of Substantial Completion, the Commissioner may use the monies still due the Contractor to have such items completed and the Contractor shall lose any claim to the monies used.

Upon written notice that the Work is ready for final inspection and acceptance, the Project manager shall promptly make such inspection, and when he finds the Work acceptable under the Contract documents and the Contract fully performed, a Certificate of Final Payment will be issued.

Final inspection will be made by the Project Manager. Incomplete items necessary to complete the project shall be done prior to final payment. The completion date for this project is November 18, 2016.

GUARANTEE OF WORK

a) Except as otherwise specified, all work shall be guaranteed by the Contractor against defects resulting from the use of inferior materials, equipment or workmanship for two years from the date of substantial completion of the work.

b) If, within any guarantee period, repairs or changes are required in connection with guaranteed work, which in the opinion of the Project Manager, is rendered necessary as a result of the use of materials, equipment or workmanship which are inferior, defective, or not in accordance with the terms of the Contract, the Contractor shall, promptly upon receipt of notice from the Commissioner, and at his own expense:

   1) Place in satisfactory condition in every particular, all of such guaranteed work, correct all defects therein, and...

   2) Make good all damage to the building or site, or equipment or contents thereof, which in the opinion of the Project Manager, is the result of the use of materials, equipment or workmanship which are inferior, defective, or not in accordance with the terms of the Contract, and...

   3) Make good any work or material, or the equipment and contents of said building or site disturbed in fulfilling any such guarantee.

c) In any case, wherein fulfilling the requirements of the Contract or of any guarantee, embraced in or required thereby, the Contractor disturbs any work guaranteed under another contract, he shall restore such disturbed work to a condition satisfactory to the Project Manager and guarantee such restored work to the same extent as it was guaranteed under such other contracts.

d) If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, the Commissioner may have the defects corrected and the Contractor and his Surety shall be liable for all expense incurred.

e) All special guarantees applicable to definite parts of the work that may be stipulated in the specifications or other papers forming a part of the Contract shall be subject to the terms of this paragraph during the first year of the life of such special guarantee.

PROSECUTION OF WORK

Upon starting the work within the 15 days set forth by this contract, the Contractor shall prosecute the work a minimum of 8 hours daily per working day until completion, excluding breakdowns or inclement weather. If the Contractor finds it impossible to start the work as stated above, he may make a written request to the Project Manager for an extension of time. Any such request shall be made prior to expiration of the allowable 15 days, and shall contain reasons which the Contractor believes will justify the granting of his request. In his request, the Contractor shall submit his proposed starting date.

CHANGES IN THE WORK

The Project Manager may at any time, by a written order, and without notice to the Sureties, make changes in the Drawings and Specifications and completion date of this contract and within the general scope thereof.

In making any change, the additional cost or credit for the change shall be determined as follows:

- The order shall stipulate the mutually agreed upon lump sum price which shall be added to or deducted from the contract price. The contractor shall furnish an itemized breakdown of the prices used in computing the value of any change that might be ordered.

- If the price change is an addition to the contract price and the work is performed by the general contractor and not a subcontractor, it shall include the contractor's indirect costs as follows: Workmen's Compensation and Employee Liability, Unemployment and Social Security Taxes.

- In addition to the above indirect costs, the general contractor shall be allowed a markup not to exceed ten percent (10%). Said ten percent (10%) shall be all inclusive for overhead, supervision, and profit. In addition to this, an allowance shall be made for performance and payment bond additional premium.

- If the price change is an addition to the contract price and involves the work of the general contractor and subcontractor, the general contractor would be allowed ten percent (10%) on that part of the work performed by him and five percent (5%) on that part of the work performed by the subcontractor. The same percentages shall apply to subcontractors.

- On any change which involves a net credit to the Owner, no allowance for overhead and profit shall be figured.

INSURANCE REQUIREMENTS

No operations under this contract shall commence unless and until certification of insurance attesting to the below listed requirements have been filed with the Commissioner, approved by the Attorney General, and the Contract approved by the Governor and Council and a Notice to Proceed is issued.

Insurance requirements by paragraphs 1-4 below shall be the responsibility of the Prime Contractor. The Prime Contractor, at his discretion, may make similar requests of any subcontractor.

Following is the summary of minimum insurance requirements:

1. Workmen's Compensation Insurance (In accordance with RSA 281-A.)
   a. Employers' Liability
      1.) $100,000 each accident
      2.) $500,000 Disease-policy limit
      3.) $100,000 Disease-each employee

2. Commercial General Liability Insurance: Occurrence Form Policy: Include full Contractual Liability (see Indemnification Clause 9)., Explosion, Collapse, and Underground coverage's:
   a. Limits of Liability:
      1.) $1,000,000 Each Occurrence Bodily injury & Property Damage.
      2.) $2,000,000 General Aggregate-Include per Project Aggregate Endorsement.
      3) $2,000,000 Products/Completed Operations Aggregate.
      4) State shall be named as an additional named insured.

3. If blasting and/or demolition is required by the Contract, the Contractor or subcontractor shall obtain the respective coverage for those activities, and shall furnish to the Commissioner a certificate of Insurance evidencing the required coverage's prior to commencement of any operations involving blasting and/or demolition.

4. Owner's Protective Liability coverage for the benefit of the State of New Hampshire Department of Resources and Economic Development.
   a. Limits of Liability:
      1.) $2,000,000 Each Occurrence
      2.) $3,000,000 Aggregate

5. Commercial Automobile Liability covering all motor vehicles including owned, hired, borrowed, and non-owned vehicles.
   a. Limits of Liability:
      1.) $1,000,000 Combined Single Limit for Bodily injury & Property Damage

6. Commercial Umbrella Liability
   a. Limits of Liability:
      1.) $1,000,000 Each Occurrence
      2.) 1,000,000 Aggregate

7. Builder's Risk Insurance (Fire and Extended Coverage):

The Contractor shall insure the work included in the Contract, including extras and change orders, on an "All Risk" basis, on a one hundred percent (100%) completed value basis of the Contract, as modified. Builder's Risk coverage shall include materials located at the Contractor's premises, on-site, in-transit, and at any temporary site. The policy by its own terms or by endorsement shall specifically permit partial or beneficiary occupancy prior to completion or acceptance of the entire work. The policies shall be in the names of the State of New Hampshire Department of Resources and Economic Development and the Contractor. The policies shall provide for the inclusion of the names of all other Contractors, Subcontractors, and others employed on the premises as insureds. The policies shall stipulate that the insurance companies shall have no right of subrogation against any Contractors, Subcontractors or other parties employed on the premises.

8. General Insurance Conditions
   a. Each policy shall contain a clause prohibiting cancellation or modifications of the policy earlier than thirty (30) days or ten (10) in cases of non-payment of premium after written notice thereof has been received by the State.

9. Indemnification:
   a. The Contractor shall indemnify, defend, and hold harmless the State of New Hampshire, its Agencies, and its agents and employees from and against any and all claims, liabilities, suits or penalties arising out of (or which may be claimed to arise out of) acts of omissions of the Contractor or subcontractors in the performance of work covered by the Contract. This covenant shall survive the termination of the Contract. Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the State, which immunity is hereby reserved by the State.

NOTE:

In articles 1 - 14 of the General Conditions references to "the Project Manager" shall be understood to mean the Department Project Manager designated by the Operations, Planning and Project Management office of the New Hampshire Department of Resources and Economic Development.

CERTIFICATE OF AUTHORITY

(Sole Proprietor)

I, _____, as a Sole Owner of my Business,_____,

certify that I am authorized to enter into a contract with the State of New Hampshire, Department of Resources and Economic Development, on behalf of myself.

IN WITNESS WHEREOF, I have set my hand as the Sole Owner of the Business this _____ day of _____, 20 ___.

_____
(Sole Owner Signature)

STATE OF _____

COUNTY OF _____

On this the _____ day of _____, 20 ___, before me,_____,

the undersigned Officer, personally appeared _____, who acknowledge her/himself to be the Sole Owner, of _____, a Business, and that she/he, as such Sole Owner being authorized to do so, executed the foregoing instrument for the purposes therein contained, by signing the name of the Business by her/himself as

_____.

IN WITNESS WHEREOF I hereunto set my hand and official seal.

_____
(Notary Public/Justice of the Peace)

My Commission expires:_____

CERTIFICATE OF VOTE

(Corporation with Seal)

I,_____, _____ of the
(Corporation Representative Name) (Corporation Representative Title)
_____, do hereby certify that:
(Corporation Name)

(1) I am the duly elected and acting _____ of the
(Corporation Representative Title)
_____, a _____ corporation (the "Corporation");
(Corporation Name) (State of Incorporation)

(2) I maintain and have custody of and am familiar with the Seal and minute books of the Corporation;

(3) I am duly authorized to issue certificates;

(4) the following are true, accurate and complete copies of the resolutions adopted by the Board of Directors of the Corporation at a meeting of the said Board of Directors held on the

___ day of _____, 20___, which meeting was duly held in accordance with

_____ law and the by-laws of the Corporation:
(State of Incorporation)

RESOLVED: That this Corporation enter into a contract with the State of New Hampshire, acting by and through the Department of Resources and Economic Development, providing for the performance by the Corporation of certain _____ services, and that the President (any Vice President) (and the Treasurer) (or any of them acting singly) be and hereby (is) (are) authorized and directed for and on behalf of this Corporation to enter into the said contract with the State and to take any and all such actions and to execute, seal, acknowledge and deliver for and on behalf of this Corporation any and all documents, agreements and other instruments (and any amendments, revisions or modifications thereto) as (she) (he) (any of them) may deem necessary, desirable or appropriate to accomplish the same;

RESOLVED: That the signature of any officer of this Corporation affixed to any instrument or document described in or contemplated by these resolutions shall be conclusive evidence of the authority of said officer to bind this Corporation thereby;
The forgoing resolutions have not been revoked, annulled or amended in any manner whatsoever, and remain in full force and effect as of the date hereof; and the following person(s) (has) (have) been duly elected and now occupy the office(s) indicated below

_____ President Name

_____ Vice President Name

_____ Treasurer Name

IN WITNESS WHEREOF, I have hereunto set my hand as the _____
(Title)
of the Corporation and have affixed its corporate seal this ____ day of _____, 20___ .

_____
(Title)

(Seal)

STATE OF _____

COUNTY OF _____

On this the ____ day of _____, 20___, before me, _____, the undersigned officer, personally appeared _____, who acknowledge her/himself to be the

_____, of _____, a corporation, and that she/he, as

(Title) (Name of Corporation)
such _____ being authorized to do so, executed the foregoing instrument for the
(Title)

purposes therein contained, by signing the name of the corporation by her/himself as _____.

IN WITNESS WHEREOF I hereunto set my hand and official seal.

_____
Notary Public/Justice of the Peace

My Commission expires: _____

CERTIFICATE OF AUTHORITY/VOTE
(Limited Liability Company)

I, _____, hereby certify that:
(Name of Sole Member/Manager of Limited Liability Company, Contract Signatory – Print Name)

1. I am the Sole Member/Manager of the Company of _____.
(Name of Limited Liability Company)

2. I hereby further certify and acknowledge that the State of New Hampshire will rely on this certification as evidence that I have full authority to bind _____
(Name of Limited Liability Company)
and that no corporate resolution, shareholder vote, or other document or action is necessary to grant me such authority.

_____
(Contract Signatory - Signature)

_____
(Date)

STATE OF _____

COUNTY OF _____

On this the _____ day of _____ 20 ____, before me _____,
(Day) (Month) (Yr) (Name of Notary Public / Justice of the Peace)
the undersigned officer, personally appeared _____, known to me (or
(Contract Signatory – Print Name)
satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he/she executed the same for the purposes therein contained. In witness whereof, I hereunto set my hand and official seal.

(NOTARY SEAL)

_____
(Notary Public / Justice of the Peace -Signature)

Commission Expires: _____

State of New Hampshire
VENDOR APPLICATION

VENDOR # _____
(Assigned by Purchase & Property)

BUSINESS NAME/ADDRESS LOCATION

Legal Business Name: _____

Doing Business As Name: _____

Payment Address: _____

City/Town: _____ **STATE:** _____ **ZIP:** _____

Business Address: _____

City/Town: _____ **STATE:** _____ **ZIP:** _____

Telephone #: _____ **Cell Phone #:** _____ **FAX #:** _____

Website: _____ **E-Mail (Main Office):** _____

Electronic Payment Option: Please contact Treasury at treasury@treasury.state.nh.us or visit their website at www.nh.gov/treasury for further information on this option.

TYPE OF BUSINESS

(Note: Registration with the NH Secretary of State MUST be done prior to the awarding of any contracts) www.nh.gov/sos/corporate (603) 271-3244

Registered with NH Secretary of State? _____ **State Incorporated In:** _____

Service Provider ☐ **Product/Merchandise Provider** ☐ **Other Provider** ☐

List the principal type of service, product or other that is provided: _____

Minority Institutions	☐	Minority Owned Large Business	☐	Minority Owned Small Business	☐
Disabled Veteran Business	☐	Svs Disabled Veteran Owned	☐	Veteran Owned Small Business	☐
Physically Challenged Bus	☐	SBA Cert Fin Disadvantaged Bus	☐	SBA Cert Hist Underutilized Bus	☐
Historically Black Colleges	☐	Women Owned Sm Bus	☐	Women Owned Large Businesses	☐
Small Business	☐	SBA Cert Sm Disadvantaged Bus	☐		

SIGNATURE BLOCK

I certify the above information to be correct and grant authorization to the State of New Hampshire to investigate any and all facts contained therein, including facility visitation.

Name and Title (print or type): _____

Signature: _____ **Date:** _____

RETURN ADDRESS

www.das.nh.gov/purchasing

(Phone) 603-271-2201
(Fax) 603-271-2700

DIVISION OF PLANT & PROPERTY MANAGEMENT
BUREAU OF PURCHASE AND PROPERTY
STATE HOUSE ANNEX, ROOM 102
25 CAPITOL STREET
CONCORD NH 03301-6398

STATE OF NEW HAMPSHIRE
ALTERNATE W-9 FORM

PLEASE USE THIS FORM TO PROVIDE THE REQUESTED INFORMATION

VENDOR # _____
(Assigned by Purchase & Property)

Pursuant to IRS Regulations, you must furnish your Taxpayer Identification Number (TIN) to the State whether or not you are required to file tax returns. If this number is not provided, you may be subject to a 28% withholding on each payment made to you. To avoid this 28% withholding & to ensure that accurate tax information is reported to the IRS, A RESPONSE IS REQUIRED.

If a service provider is a part of a GROUP PRACTICE, it is the group name & TIN which is required on this Alternate W-9.
If the service provider is a SOLE PROPRIETOR, it is the individual name & TIN which is required on this Alternate W-9.

BUSINESS NAME: _____

Doing Business As Name: _____

PAYMENT ADDRESS: _____

CITY/TOWN: _____ **STATE:** _____ **ZIP:** _____

BUSINESS ADDRESS: _____

CITY/TOWN: _____ **STATE:** _____ **ZIP:** _____

TAXPAYER IDENTIFICATION NUMBER (TIN) as used on IRS tax return

Social Security # (SSN): _____ **Fed ID # (EIN/FIN):** _____

PRINCIPAL ACTIVITY

☐ Service Provider ☐ Product/Merchandise Provider ☐ Other Provider

List the principal type of service, product or other that is provided: _____

DESIGNATION (select ONLY THOSE which apply to you/your organization as provided to the IRS)

☐ Individual/Sole-Proprietor	☐ Corporation (S)	☐ Government
☐ LLC (C Corporation)	☐ Corporation (C)	☐ Medical or Health Care Services
☐ LLC (S Corporation)	☐ Partnership	☐ Legal Services
☐ LLC (P Partnership)	☐ Estate or Trust	☐ Non-Profit

EXEMPTIONS: _____ Exemption from FATCA reporting: _____

Under penalty of perjury, I declare that the information provided is true, correct & complete, to the best of my knowledge & belief.

NAME & TITLE (print or type): _____

TELEPHONE #: _____ **CELL PHONE #:** _____ **FAX #:** _____

SIGNATURE: _____ **DATE:** _____

Website: _____ **E-Mail (Main Office):** _____

PLEASE RETURN WHEN COMPLETED TO:

DIVISION OF PLANT & PROPERTY MGMT
BUREAU OF PURCHASE & PROPERTY
STATE HOUSE ANNEX – ROOM 102
25 CAPITOL ST
CONCORD NH 03301

(Phone) 603-271-2201
(FAX) 603-271-2700
www.das.nh.gov/purchasing

Catherine A. Provencher
STATE TREASURER

THE STATE OF NEW HAMPSHIRE
STATE TREASURY
25 CAPITOL STREET, ROOM 121
CONCORD, NH 03301
(603) 271-2621
FAX (603) 271-3922
EMAIL: businessoffice@treasury.state.nh.us
TDD Access: Relay NH 1-800-735-2964

STATE TREASURY ACH ENROLLMENT FORM FOR DIRECT DEPOSITS (ACH CREDITS)

☐ NEW ☐ CHANGE ☐ DELETE

Company/Vendor Name _____ Taxpayer Identification Number (TIN) EIN/FIN _____
(Hereinafter called "The Company")

I (we) hereby authorize **The State of New Hampshire**, hereinafter called "The State", to initiate credit entries to my (our) ☐ Checking Account, ☐ Savings Account (**select one**) at the depository financial institution named below, hereinafter called "Depository", and to credit the same to such account. I (we) acknowledge that the origination of ACH transactions to my (our) account must comply with the provisions of U.S. law.

Depository Name _____ Branch _____

City _____ State _____ Zip _____

Routing Number _____ Account Number _____

This authorization is to remain in full force and effect until The State has received written notification from The Company of its termination in such time and in such manner as to afford The State a reasonable opportunity to act on it.

Name(s) _____ Telephone # _____
(Please Print)

Date _____ Authorized Signature _____
(Handwritten Signature Required)

Fax # _____ E-Mail _____

NOTE: WRITTEN CREDIT AUTHORIZATION MUST PROVIDE THAT THE RECEIVER MAY REVOKE THE AUTHORIZATION ONLY BY NOTIFYING THE ORIGINATOR IN THE MANNER SPECIFIED IN THE AUTHORIZATION.

PLEASE SELECT ONLY ONE OPTION BELOW FOR HOW YOU WOULD LIKE TO RECEIVE YOUR REMITTANCE INFORMATION REGARDING YOUR PAYMENT FROM THE STATE OF NEW HAMPSHIRE:

☐ **VIA EMAIL ADDRESS:** _____

PLEASE PROVIDE AN EMAIL ADDRESS THAT IS ACCESSED BY TWO OR MORE STAFF MEMBERS (60 CHARACTER LIMIT –YOU MAY PROVIDE MORE THAN ONE ADDRESS). FOR LARGER ORGANIZATIONS, AN EMAIL DISTRIBUTION ADDRESS IS RECOMMENDED.

☐ **VIA FAX NUMBER:** _____

PLEASE PROVIDE A CENTRAL FAX NUMBER FOR YOUR ORGANIZATION THAT IS ACCESSED BY TWO OR MORE STAFF MEMBERS.

PLEASE ATTACH A COPY OF A VOIDED CHECK OR SAVINGS DEPOSIT SLIP TO THIS FORM AS PART OF THE AUTHORIZATION

PLEASE RETURN THIS FORM WITH ATTACHMENTS TO THE STATE TREASURY, ATTENTION: TREASURY BUSINESS OFFICE. FORMS MAY ALSO BE SENT VIA FAX OR EMAIL. THANK YOU.

FOR CHANGES TO BANK ACCOUNT OR REMITTANCE INFORMATION: SUBMIT THIS FORM AS A "CHANGE" AND INCLUDE COMPANY NAME AND ALL INFORMATION THAT IS CHANGING. PRINT, SIGN AND SUBMIT FORM TO THE STATE TREASURY.

INTERNAL USE ONLY

VENDOR NUMBER

_____

VENDOR NAME

_____

SUBMITTAL SCHEDULE

PROJECT: PR-1611 ANODIZED ALUMINUM GUARDRAIL & HANDRAILS HAMPTON BEACH STATE PARK HAMPTON, NH

ITEM No.	SPEC. SECTION	ITEM	SUBMITTAL REQUIRED	REJECTED RE-SUBMIT	REVISE & RE-SUBMIT	APPROVED AS NOTED	APPROVED
1	05720	Aluminum Pipe Railing	Manufactueres Info				
			Shop Drawings				
2	05720	Aluminum Pipe Railing	Samples of Railing				
			Samples of Picket Railing				
3	5720	Aluminum Pipe Railing	Component Details				
			Warranty information				

CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing
Contractor's signed Certification is attached.
In tabulations below, amounts are stated to the nearest dollar.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NUMBER:
APPLICATION DATE:
PERIOD TO:
ARCHITECTS PROJECT NO:

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G÷C)	BALANCE TO FINISH (C - G)	RETAINAGE
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

APPLICATION AND CERTIFICATE FOR PAYMENT

AIA DOCUMENT G702

TO (OWNER):

PROJECT:

APPLICATION NO:

Distribution to:
OWNER
ARCHITECT
CONTRACTOR

Period to:

FROM:

VIA (ARCHITECT):

ARCHITECT'S
PROJECT NO:
CONTRACT DATE:

CONTRACT FOR:

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY			
Change Orders approved in previous months by Owner		ADDITIONS	DEDUCTIONS
TOTAL		-	
Approved this Month			
Number	Date Approved		
TOTALS		-	-
Net change by Change Orders			$0.00

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: Date:

Application is made for Payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM . . . . . _____

2. Net change by Change Orders . . . . . _____

3. CONTRACT SUM TO DATE . . . . . _____

4. TOTAL COMPLETED & STORED TO DATE . . . . . _____

5. RETAINAGE:

a. 10% of Completed Work _____

b. 10% of Stored Material _____

Total Retainage . . . . . _____

6. TOTAL EARNED LESS RETAINAGE . . . . . _____

7. LESS PREVIOUS CERTIFICATES FOR PAYMENT . . _____

8. CURRENT PAYMENT DUE . . . . . _____

9. BALANCE TO FINISH, PLUS RETAINAGE . . . . . _____

State of: County of:

Subscribed and sworn to before me this _____ day of _____, 20__

Notary Public:

My Commission expires:

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED . . . . . **$** _____

(Attach explanation if amount certified differs from the amount applied for.)

ARCHITECT:

By: Date:

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract

CONSTRUCTION SPECIFICATIONS

TABLE OF CONTENTS

The standard specifications adapted to this project contain the following sections:

SECTION	
01010	General Requirements
01020	Temporary Utilities and Job Conditions
02080	Selective Demolition
05720	Aluminum Pipe Railing

SECTION 01010 - GENERAL REQUIREMENTS

PART 1 GENERAL

1.1 **RELATED DOCUMENTS:** The general provisions of the contract, including General and Supplementary Conditions, and all Division 1 sections of the specifications apply to the work specified in all sections of the Construction Specifications. The photos, sketches and the specifications together comprise the construction documents. Any note in one shall apply to the other. The contractor shall report any discrepancies between the drawings and specifications to the Project Manager for resolution before proceeding with the work involved.

1.2 **SUMMARY OF THE WORK:** The intent of the contract is to provide the State with new Anodized Aluminum Guardrails and Handrails at Hampton Beach State Park in Hampton, NH. The following work items give a general summary of the extent of the work but are not intended to be a complete itemization of the work.

a) Remove and dispose of existing damaged sections of Thermoplastic Handrails with internal steel reinforcement.

b) Install new Anodized Aluminum Guardrails and Handrails.

c) Provide 2 Year Installers Warranty at the Completion of the Job.

1.3 **PUBLIC ACCESS AND PROTECTION:** The grounds around the Site will be open to the public and staff during the time the work is in progress. The contractor shall be responsible for roping off or barricading sufficient area around the work site to keep visitors and state personnel safe from construction hazards.

1.4 **COORDINATION WITH THE REGIONAL SEACOAST STATE PARK MANAGER:** The contractor shall coordinate in advance with the Seacoast Regional State Park Manager Mr. Brian Wilson Tel No. 603-856-1821 to arrange mutually acceptable times for closing off areas normally accessible to the staff and public, and to insure that suitable alternate access is made available.

END OF SECTION 01010

SECTION 01020 - TEMPORARY UTILITIES & JOB CONDITIONS

PART 1 GENERAL

1.1 **TEMPORARY FACILITIES AND SERVICES:** The Contractor shall be responsible for arranging and providing temporary facilities necessary to facilitate his work. The location of same shall be coordinated with and approved by the Project Manager and the Seacoast Regional State Park Manager. All such services and facilities shall comply with applicable Federal, State and Municipal regulations.

1.2 **TEMPORARY ELECTRICITY:** Temporary electrical power is available from the existing service at the Bath House and Sea Shell Complex Locations. Temporary electrical power may also be available at the Boardwalk Lighting Locations. The Contractor shall provide all labor, materials, or electric generators necessary to provide electrical power and lighting required for construction purposes.

1.3 **TEMPORARY WATER SERVICE:** Temporary water service is available from the existing services at the Bath House and Sea Shell Complex Locations

1.3 **FIRE PROTECTION:**

a) The Contractor shall provide and maintain adequate fire protection in the form of fire extinguishers, or other effective means of extinguishing fire, ready for instant use, distributed around the project sites and in and about temporary inflammable structures during construction of work.

b) Gasoline and other flammable liquids shall be stored in and dispensed from UL listed safety containers in conformance with National Board of Fire Underwriters' recommendations. Storage shall not be within any DRED owned buildings.

c) Torch-cutting and welding operations performed by subcontractors shall have approval of the general contractor before such work is started, and a chemical extinguisher shall be available on location where such work is in progress.

d) No Smoking within 50 feet of any State Owned Building.

e) Do not light fires in or about premises.

1.4 **PROTECTION OF PROPERTY AND THE PUBLIC:** The Contractor shall construct all fences, barricades and protection facilities required for the protection of the public to the satisfaction of the Project Manager. Furnish and install all signs, lights, reflectors, and all such protection facilities as may be required by the Project Manager.

Keep all access roads and walks clear of debris, materials, and construction equipment. Repair streets, drives, curbs, sidewalks, fences, poles and the like where disturbed by construction to the satisfaction of the Project Manager.

1.5 **TEMPORARY STORAGE:** Delivery and storage locations shall be coordinated with and approved by the Project Manager and or the Seacoast Regional State Park Manager.

The contractor shall provide at the site, where directed and maintain in good condition, suitable and substantial weather-tight storage as required for his materials that may be damaged by storage in the open.

1.6 **STAGING AND SCAFFOLDING:** Except as otherwise indicated, the Contractor shall furnish, erect and maintain all staging and scaffolding for use during the work of the project. Staging and scaffolding shall be of approved design, erected and removed by experienced stage builders and shall have all accident prevention devices required by state and local laws.

Above facilities shall be constructed and maintained in accordance with the applicable requirements of local and state authorities and of the Standard Safety Code for Building Construction published by ANSI, and be removed after they have served their purpose.

1.7 **TEMPORARY FIELD OFFICE:** Not Applicable

1.8 **TOILETS:** The contractor will be allowed to use the restroom facilities at the State Park.

1.9 **CONTRACTORS AND SUBCONTRACTORS MEETINGS:** The Project Manager shall have the right to call together at reasonable times designated by him, representatives of the contractor and subcontractors who shall meet at the at the job site, to report as to the condition of the work under their charges, or on any other matters pertinent to the conduct of the work.

Such representatives shall be empowered to make at these meetings, definite decisions binding upon their respective employers, regarding all matters pertaining to the work under this contract.

The Contractor shall furnish the Project Manager and the Seacoast Regional State Park Manager in writing, the names, addresses and telephone numbers of subcontractors' personnel to be contacted in the event of an out-of-hours emergency at the building sites.

1.10 **MEASUREMENTS:** Before ordering any material or doing any work, the Contractor shall verify all measurements and shall be responsible for the

correctness of same. No extra charge or compensation will be allowed on account of difference between actual dimensions and the measurements indicated on the drawings; any difference which may be found shall be submitted to the Project manager in writing for consideration before proceeding with the work.

Responsibility for work fabricated accurately to field measurements to properly fit the new construction shall be solely that of the contractor, who shall pay all costs involved in correcting any miss-fitting work as fabricated.

1.11 **CUTTING AND PATCHING:** The Contractor shall do all cutting, fitting and patching of his work that may be required to make its several parts come together properly. Expense caused by defective or ill-timed work shall be borne by the contractor. Where field cutting is authorized or directed, provide adequate reinforcement of the weakened area in such form as is approved by the Project Manager.

1.12 **OCCUPATIONAL HEALTH AND SAFETY:** These contract documents, and the construction hereby contemplated shall be governed at all times by applicable provisions of all federal laws, including but not limited to the following:

a) Williams-Steiger occupational Safety and Health Act of 1970, Public Law 91-596

b) Part 1910 - Occupational Safety and Health Standards, Chapter XVII of Title 29, Code of Federal Regulations

c) Part 1926 - Safety and Health Regulations for Construction , Chapter XIII of Title 29, Code of Federal Regulations

1.13 **PARKING:** Space will be allocated at the site, in the parking lots to accommodate vehicles, deliveries and limited storage. (additional storage areas may be made available through arrangements with the Seacoast Regional State Park Manager on an as-needed basis).

1.14 **CLEANING:** As property under the stewardship of the Division of Parks and Recreation, the grounds surrounding the project site will be open to the public and staff during all or part of the course of the work. Consequently, the sites must be kept clean, safe and presentable to the public. Construction debris shall be picked up at the end of each day's work and removed from the sites on at least a weekly basis. At the conclusion of the project, all scaffolding, barricades, equipment, and debris shall be promptly removed from the sites.

END OF SECTION 01020

SECTION 02080 - SELECTIVE DEMOLITION

PART 1 GENERAL

1.1 **DESCRIPTION OF WORK:** This work shall consist of the selective demolition, removal and satisfactory disposal of Thermoplastic Guardrail and Handrail Components. Scope of the demolition work includes:

a) Remove damaged sections of Thermoplastic Guardrails and Handrails along the Hampton Beach State Park in Hampton, NH.

b) Remove the Grout at each Post Location used for Anchoring and Securing the Thermoplastic Handrails in Place to a depth of at least 4 inches.

1.2 **PROTECTION**

a) Provide temporary barricades and other forms of protection as required to protect the state's personnel and the general public from injury due to demolition work.

b) Protect from damage existing finish work that is to remain.

(PART 2 : not applicable)

PART 3 EXECUTION

3.1 **INSPECTION:** Inspect existing conditions in areas in which work will be performed. Prior to starting work, notify Project Manager of any conditions which could be misconstrued as damage resulting from selective demolition work.

3.2 **SALVAGE ITEMS:** Historic artifacts and articles of historic significance remain the property of the State. Notify the Project Manager if such items are encountered and obtain approval regarding method of removal and salvage for the State.

3.3 **DISPOSAL OF DEMOLISHED MATERIALS**

a) Dispose of debris, rubbish, and other materials resulting from demolition operations from the site in compliance with all state and municipal laws.

b) If hazardous materials are encountered during demolition operations, notify the project manager immediately and comply with applicable regulations, laws and ordinances concerning removal, handling and protection against exposure or environmental pollution.

3.4 CLEAN-UP AND REPAIR

a) Upon completion of demolition work, remove tools and equipment. Remove protections and leave areas clean.

b) Repair demolition performed in excess of that required. Return structures and surfaces to remain to conditions existing prior to commencement of selective demolition work. Repair adjacent construction or surfaces soiled or damaged by selective demolition work.

END OF SECTION 02080

SECTION 05720 – ALUMINUM PIPE RAILING

PART 1 - GENERAL

1.01 WORK INCLUDED

A. Furnish and install Component type aluminum handrails, guardrails, and railing systems, including connectors, fasteners, and system required accessories.

1.02 REFERENCES

A. Aluminum Association (AA)

1. ASD-1 Aluminum Standards and Data

2. DAF-45 Designation System for Aluminum Finishes

B. American Architectural Manufacturers Association (AAMA)

1. AAMA 2605-05: Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.

2. AAMA 2604-05: Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels.

3. AAMA 2603-02: Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.

C. American National Standards Institute (ANSI)

1. A21 .1 Safety Requirements for Floor and Wall Openings, Railings and Toe Boards.

2. A58.1 Minimum Design Loads in Buildings and Other Structures.

3. AI 17.1 Accessible and Usable Buildings and Facilities.

D. American Society for Testing and Materials (ASTM)

1. B 221 Specification for Aluminum-Alloy Bars, Rods, Wires, Shapes and Tubes.

2. B 429 Specification for Aluminum-Alloy Extruded Structural Pipe and Tube.

3. D 1730 Recommended Practices for Preparation of Aluminum and Aluminum Alloy Surfaces for Painting.

4. E 894 Standard Test Methods for Anchorage of Permanent Metal Railing Systems and Rails for Buildings.

5. E 935 Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings.

6. E 985 Specification for Permanent Metal Railing Systems and Rails for Buildings.

E. Military Specifications (MIL)

1. MIL-A-46104 Aluminum Alloy Extruded Rod, Bar, and Shapes, 7001.

2. MIL-P-1144 Pipe, Corrosion Resistant, Stainless Steel, Seamless or Welded.

3. MIL-P-25995 Pipe, Aluminum Alloy, Drawn or Extruded.

4. MIL-R-36516 Rail, Restraint.

F. National Association of Architectural Metal Manufacturers (NAAMM)

1. Metal Finishes Manual

2. Pipe Railing Manual

3. Stair Manual

G. National Ornamental and Miscellaneous Metals Association (NOMMA)

1. Metal Rail Manual

1.03 PERFORMANCE REQUIREMENTS

A. General: In engineering handrail and railing systems to withstand structural loads indicated, determine allowable design working stresses of railing materials based on the following:

1. Aluminum: AA "Specifications for Aluminum Structures."

B. Structural Performance of Handrails and Railing Systems: Engineer,fabricate, and install handrails and railing systems to withstand the following structural loads without exceeding the allowable design working stress of the materials for handrails, railing systems, anchors, and connections. Apply each load to produce the maximum stress in each of the respective components comprising handrails and railing systems.

1. Toprail of Guardrail System: Capable of withstanding the following loads applied as indicated:

    a. Uniform load of 100 pounds per lineal foot applied horizontally at right angles to the toprail.

2. Infill Area of Guardrail Systems: Capable of withstanding the following loads applied as indicated:

    a. Concentrated load of 50 pounds per square foot applied horizontally at right angles over the entire tributary area, including openings and spaces between rails.

    b. Reactions due to the above load need not be combined with those loads on the toprail of guardrail system.

3. Handrails: The mounting of handrails shall be such that the completed handrail and supporting structure are capable of withstanding the following loads applied as indicated:

    a. Concentrated load of 500 pounds applied in any direction at any point on the handrail.

    b. These loads shall not be assumed to act cumulatively with those loads on the infill area of guardrail system.

C. Thermal Movements: Allow for thermal movement resulting from the following maximum change (range) in ambient temperature in engineering, fabricating, and installing of joints, overstressing of components and connections, and other detrimental effects. Base engineering calculations on actual surface temperatures of materials due to both solar heat gain and nighttime sky heat loss.

1. Temperature Change (Range): 120 deg. F ambient; 180 deg. F material surfaces.

D. Control of Corrosion: Prevent galvanic action and other forms of corrosion by insulating metals and other materials from direct contact with incompatible materials.

1.04 SUBMITTALS (Required of Successful Bidder only)

A. Submit shop drawings and product data.

B. Indicate component details, materials, finishes, connection and joining methods, and the relationship to adjoining work.

C. Submit manufacturer's installation instructions.

D. Submit 6" long Samples of Anodized Aluminum Pipe Rail and Picket Railing

1.05 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to the job site in good condition and properly protected against damage to finished surfaces.

B. Storage on site:
   1. Store material in a location and in a manner to avoid damage. Stacking shall be done in a way that will prevent bending.

   2. Store material in a clean, dry location away from uncured concrete and masonry. Cover with waterproof paper, tarpaulin, or polyethylene sheeting in a manner that will permit circulation of air inside the covering.

C. Keep handling on site to a minimum. Exercise particular care to avoid damage to finishes of material.

PART 2 - PRODUCTS
2.01 ACCEPTABLE MANUFACTURER

A. Manufacturers: Subject to compliance with requirements, provide handrails and railing systems by one of the following:

   1. Aluminum Ornamental Railing Systems:
      a. ALUMINUM TUBE RAILINGS manufactured by
         ATR Technologies, Inc.
         805 Towne Center Drive
         Pomona, CA 91767-5901
         Toll Free Phone: (800) 423-4148
         Fax: (909) 399-5834
         Website: www-ATR-Technologies.com
         Email: railings@ATR-Technologies.com

2. Superior Aluminum Products
    a. Series 550 manufactured by
       Superior Aluminum Products
       555 E Main Street
       P.O. Box 430
       Russia, OH 45363
       Toll Free Phone: (800) 548-8656
       Fax: (937) 526-3904
       Website: www.superioraluminum.com

3. C.R. Laurence Co., Inc.
    a. Aluminum Railing Systems with pickets
       2503 E. Vernon Ave.
       Los Angeles, CA. 90058
       Toll Free: (800) 421-6144
       Toll Free Fax: (800) 587-7501
       Phone: (323) 588-1281
       Fax: (323) 584-5289
       Website: www.crlaurence.com
       Email: railings@crlaurence.com

4. Kaufman Iron Works Inc.
    a. 202 12th Ave
       Peterson, NJ 07501
       973-523-7323
       Toll Free: (800) 442-4283
       Fax: (718) 893-7168
       Email: sales@kaufmaniron.com

5. Hansen Architectural Systems
    a. 5500 Southeast Alexander Street
       Hillsboro, OR 97123
       Phone: (503) 356-0959
       Toll Free: (800) 499-2965
       Website: www.Aluminumrailing.com
       Email: dan@aluminumrailing.com

B. Requests for substitutions will be considered will be considered. Requests must be made in Writing 5 days in advance of the bid opening date.

C. Provide all handrails, guardrails, and railing systems from a single manufacturer.

2.02 METALS

A. General: Provide metal free from surface blemishes where exposed to view in the finished unit. Exposed-to-view surfaces exhibiting pitting, seam marks, roller marks, stains, discolorations, or other imperfections on finished units are not acceptable.

B. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with not less than the strength and durability properties of the alloy and temper designated below for each aluminum form required:

1. Extruded Bar and Tube: ASTM B 221, Alloys 6005-T5, 6061-T6 and 6063-T6.

2. Extruded Structural Pipe and Tube: ASTM 429, Alloy 6063-T6

3. Drawn Seamless Tube: ASTM B 210, 6063-T832.

4. Plate and Sheet: ASTM B 209, Alloys 6061-T6 and 6063-T6.

5. Die and Hand Forging: ASTM B 247, 6061-T6.

6. Castings: ASTM B 26, A356-T6.

2.03 RAILING SYSTEM

A. Material shall conform to 2.02 and be finished in accordance with 2.07.

B. Railing system shall be permanently anchored.

C. Top Rails, Handrails and/or Griprails, Mid Rails and Posts
   1. Fabricate from anodized 2" inch Schedule 80 aluminum pipe.
   2. If required, provide post reinforcement to meet loading criteria.

D. Fittings and Fasteners: Same basic material and alloy as parts being joined, unless otherwise indicated. Do not use metals that will be corrosive or incompatible with materials being fastened; do not utilize cast fittings.

1. Component Fittings: Machined from solid extruded 6063-T6 aluminum alloy and finished to match the pipe.

2. Fasteners: Screws shall be fabricated from type 304 stainless or type 316 stainless steel.

E. Transitions

1. Formed with uniform radius bend within allowable tolerance of pipe size.

2. If required, formed with mitered, non-welded, hair-line joints.

F. Connection Splices

1. Internal mechanical connection splices shall be of extruded aluminum.

G. Base Flanges, Anchors, and Inserts:

1. Manufacturer's standard machined socket bases from solid aluminum stock; no castings of any type allowed (die or sand).

2. Anchors and inserts as required to support work specified, in accordance with approved shop drawings.

H. Mounting Wall Brackets

1. Wall mounted brackets shall be of aluminum attached to bottom side of Handrail and/or Griprail by means of mechanical attachment.

2. Fasteners: Screws shall be fabricated from type 304 stainless or type316 stainless steel.

2.04 FASTENERS

A. Fasteners for Anchoring Railings to Other Construction: Select fasteners of the type, grade, and class required to produce connections that are suitable for anchoring railing to other types of construction indicated and capable of withstanding design loadings.

1. For aluminum railings, provide fasteners fabricated from type 304stainless or type 316 stainless steel.

B. Fasteners for Interconnecting Railing Components: Use fasteners of same basic metal as the fastened metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials joined.

C. Cast-in-Place and Post-Installed Anchors: Anchors of type indicated below, fabricated from corrosion resistant materials with capability to sustain, without failure, the loads determined by local code requirements.

2.05 GROUT AND ANCHORING CEMENT

A. Non-shrink, Non-metallic Grout: Premixed, factory-packaged, non-shrink, non-metallic, non-staining,non-corrosive grout. Provide grout specifically recommended by manufacturer for interior and exterior applications. Minimum 28 day compressive strength of 6,500 psi.

B. Products: Subject to compliance with requirements, provide one of the following:

1. Erosion-Resistant Anchoring Cement:
   a. EMACO® GRIP by BASF Building Systems

   b. QUIKRETE® Commercial Grade FastSet™ by The QUIKRETE Companies

2.06 FABRICATION

A. Fabricate handrails and railing systems with non-welded, internal and mechanical connections to comply with manufacturer's printed requirements, project design requirements, details, dimensions, finish and member sizes, including post spacing and anchorage, but not less than the structural requirements to support loading.

   1. Clearly mark component units for site assembly and installation.

   2. Use connections that maintain structural capacity of joined members.

B. Form all changes in rail direction by uniform radius bend within allowable tolerance of pipe size.

C. Cut materials square and remove burrs from all exposed edges, with no chamfer.

D. Make exposed joints butt tight and flush.

E. Verify dimensions on site prior to shop fabrication.

2.07 FINISHES, GENERAL

A. Comply with NAAMM "Metal Finishes Manual" for recommendations relative to applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces from damage per manufacturer's recommendations.

2.08 ALUMINUM FINISH

A. Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.

B. Anodized finish shall be Class I provided in accordance with AA-M12 C22 A44.

C. Color: Black

PART 3- EXECUTION
3.01 EXAMINATION

A. Examine system components, substrate, and conditions where railing systems are to be installed.

B. Notify Project Manager in writing of unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Prepare surrounding construction to receive railing system installations to comply with manufacturer's requirements.

B. Review and coordinate setting drawings, shop drawings, templates, and instructions for assembly and installation of railing system and related items to be embedded in concrete and masonry. Supply items to be cast in concrete.

3.03 DISSIMILAR METALS

A. When aluminum components come into contact with dissimilar metals, surfaces shall be kept from direct contact by painting the dissimilar metal with a heavy coat of a epoxy/polyurethane.

B. When aluminum components come into contact with cement or lime mortar, exposed aluminum surfaces shall be separated by means of epoxy/polyurethane or other approved method to prevent electrolytic action.

3.04 INSTALLATION

A. Install railing system and related components in accordance to shop drawings and to manufacturer's instructions.

B. Preassemble railing system, including posts, in easy to lift sections whenever possible.

C. Adjust, level, and securely install railing system components.

1. Avoid springing assembled components of system into place.

D. Install posts in concrete within core drilled holes.

1. After posts are inserted, solidly fill the remaining space between post and side of sleeve, or hole, with nonshrink nonmetallic grout and slightly taper away from posts.

E. Provide for thermal expansion and contraction by use of expansion joints/gaps in top rails at 12 foot(24.384 m) intervals, or as required by manufacturer.

1. Strictly adhere to manufacturer's instructions for locating and fastening expansion joints.

F. Provide weep holes in hollow sections of railing.

3.05 CLEANING

A. As installation is completed, wash thoroughly using plain water containing a mild soap or detergent.

B. Do not use an acid solution, steel wool or other harsh abrasives.

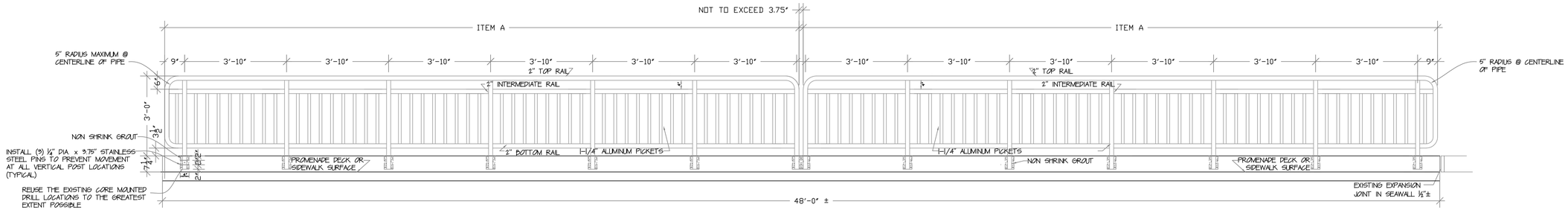
C. If stains remain after washing, remove paint finish and restore in accordance with NAAMM Metal Finishes Manual. Finish must not be removed from anodized aluminum. Re-anodizing can only be done by removing railing and returning it to the anodizer.

3.06 PROTECTION

A. Provide adequate protection for all surfaces of completed installations to prevent damage during remainder of construction activities.

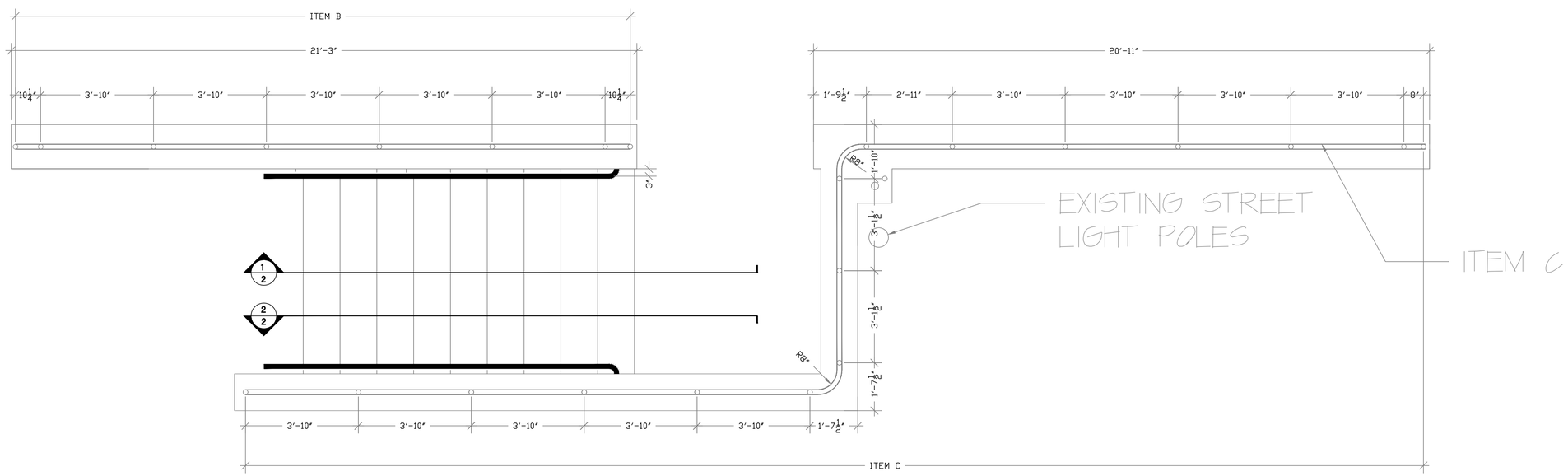
3.07 REPAIR OF DEFECTIVE WORK

A. Remove stained or otherwise defective work and replace with material that meets specification requirements.



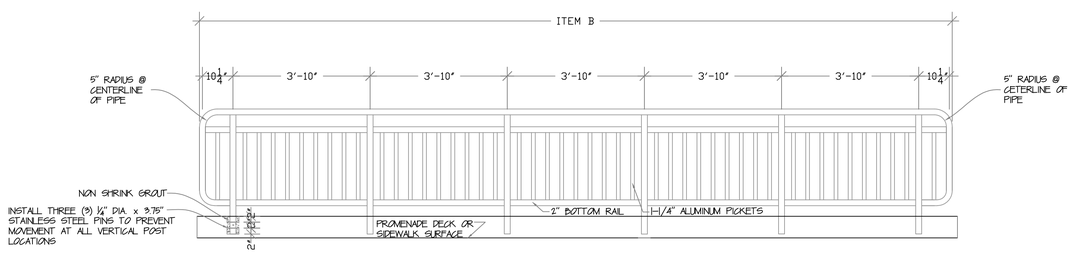
NOTE: EMBEDDED WITHIN THE CONCRETE WALL CAP IS THE EXISTING STEEL SHEET PILING. THE ENDS OF THE VERTICAL POSTS WILL HAVE TO BE FIELD ADJUSTED AS NECESSARY TO PROVIDE A STRAIGHT AND LEVEL FINISHED APPEARANCE.

1/1 ITEM A ELEVATION
SCALE: 1/2"=1'-0"



2/1 ITEM B + C PLAN
SCALE: 1/2"=1'-0"

SOUTH STAIRWELLS PLAN VIEW(TYPICAL)



3/1 ITEM B ELEVATION
SCALE: 1/2"=1'-0"

NOTES:
1. CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS AT EACH RAILING LOCATION BEFORE ORDERING THE ALUMINUM RAILINGS.
2. REMOVE THE EXISTING THERMOPLASTIC GUARDRAILS AT LOCATIONS IDENTIFIED.
3. USING THE EXISTING CORE MOUNTED DRILL LOCATIONS AS MUCH AS POSSIBLE, REMOVE THE EXISTING GROUT.
4. ALUMINUM RAILING SHALL BE SCHEDULE 80 HEAVY DUTY ALUMINUM.
5. FINISH SHALL BE BLACK ANODIZED.
6. CONTRACTOR IS TO DIG OUT THE STAIRWELLS AS NECESSARY TO FACILITATE THE INSTALLATION OF NEW HANDRAILS WHERE REQUIRED.

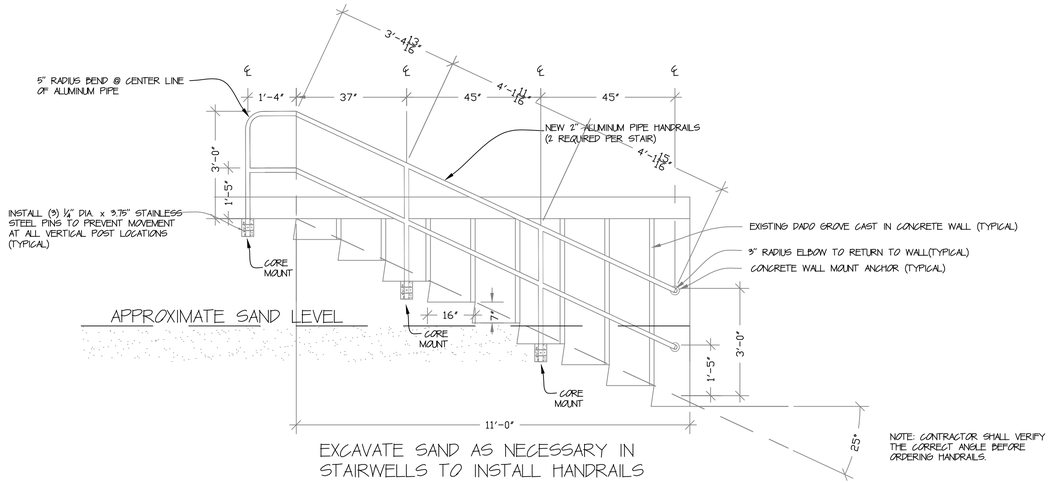
GUARDRAIL/HANDRAIL REPLACEMENT AT HAMPTON BEACH STATE PARK

DATE: FEB 19, 2016
PROJECT #: PR-1611
SCALE: 1/2" = 1'-0"
APPROVED BY:
DRAWN BY: ED MUSSEY

STATE OF NEW HAMPSHIRE
DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT
PLANNING AND DEVELOPMENT SECTION

HAMPTON BEACH STATE PARK
HAMPTON, NEW HAMPSHIRE

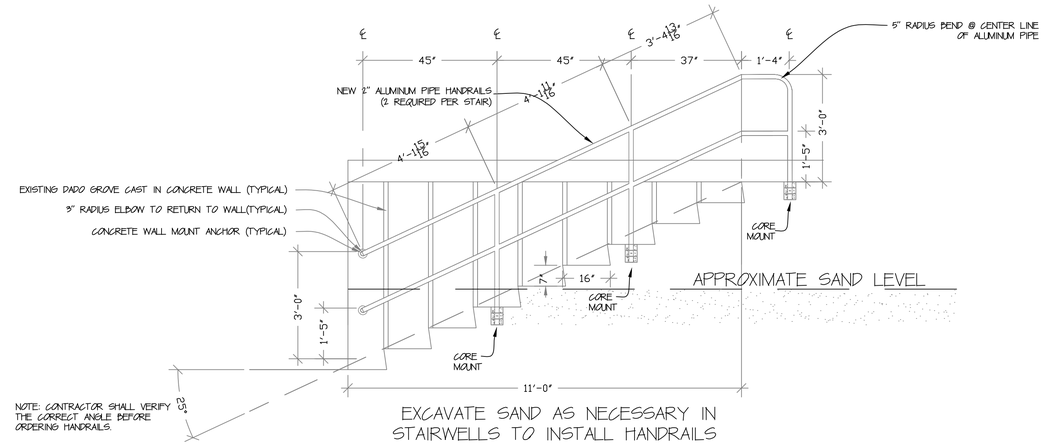
SHEET
—
OF 2



NOTE: CONTRACTOR SHALL VERIFY THE CORRECT ANGLE BEFORE ORDERING HANDRAILS.

1/2 " ITEM D" HANDRAIL DETAIL AT SECTION THRU STAIRWELLS SOUTH OF MARINE MEMORIAL (TYPICAL)

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



NOTE: CONTRACTOR SHALL VERIFY THE CORRECT ANGLE BEFORE ORDERING HANDRAILS.

2/2 "ITEM E" HANDRAIL DETAIL AT SECTION THRU STAIRWELLS SOUTH OF MARINE MEMORIAL (TYPICAL)

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

ITEM	DESCRIPTION	QUANTITY	LOCATION/REFRENCE
A	TYPICAL 24 FOOT SEGMENT	1	HAMPTON/HOUSE HOTEL
A	TYPICAL 24 FOOT SEGMENT	2	SHIRLEY HOTEL
B	TYPICAL 21 FOOT SEGMENT	1	L-STREET STAIRWELL
A	TYPICAL 24 FOOT SEGMENT	2	NORTH OF L-STREET STAIRWELL
C	STAIRWELL WRAP AROUND	1	K-STREET STAIRWELL
A	TYPICAL 24 FOOT SEGMENT	2	NORTH OF K-STREET STAIRWELL
C	STAIRWELL WRAP AROUND	1	J-STREET STAIRWELL
B	TYPICAL 21 FOOT SEGMENT	1	J-STREET STAIRWELL
A	TYPICAL 24 FOOT SEGMENT	1	NORTH OF J-STREET STAIRWELL
B	TYPICAL 21 FOOT SEGMENT	1	J-STREET STAIRWELL
B	TYPICAL 21 FOOT SEGMENT	1	I-STREET STAIRWELL
A	TYPICAL 24 FOOT SEGMENT	1	NORTH OF I-STREET STAIRWELL
D	HANDRAIL AT STAIRWELL	1	I-STREET STAIRWELL
E	HANDRAIL AT STAIRWELL	1	I-STREET STAIRWELL
A	TYPICAL 24 FOOT SEGMENT	4	BETWEEN H AND I STREET
A	TYPICAL 24 FOOT SEGMENT	1	SOUTH OF G-STREET STAIRWELL

ITEM	DESCRIPTION	QUANTITY	LOCATION/REFRENCE
A	TYPICAL 24 FOOT SEGMENT	3	NORTH OF G-STREET STAIRWELL
D	HANDRAIL AT STAIRWELLS	1	G-STREET STAIRWELL (AT PLAYGROUND)
F	REPAIR MISSING GROUT AT HANDRAIL BASE	1	1ST STAIRWELL
F	REPAIR MISSING GROUT AT HANDRAIL BASE	1	2ND STAIRWELL
D	REPLACE HANDRAIL	1	STAIRWELL ADJACENT TO CHAMBER OF COMMERCE
E	REPLACE HANDRAIL	1	STAIRWELL ADJACENT TO CHAMBER OF COMMERCE

NOTES:
1. CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS AT EACH RAILING LOCATION BEFORE ORDERING THE ALUMINUM RAILINGS.
2.REMOVE THE EXISTING THERMOPLASTIC GUARDRAILS AT LOCATIONS IDENTIFIED.
3. USING THE EXISTING CORE MOUNTED DRILL LOCATIONS AS MUCH AS POSSIBLE. REMOVE THE EXISTING GROUT.
4. ALUMINUM RAILING SHALL BE SCHEDULE 80 HEAVY DUTY ALUMINUM.
5. FINISH SHALL BE BLACK ANODIZED.
6. CONTRACTOR IS TO DIG OUT THE STAIRWELLS AS NECESSARY TO FACILITATE THE INSTALLATION OF NEW HANDRAILS WHERE REQUIRED.

GUARDRAIL/HANDRAIL REPLACEMENT AT HAMPTON BEACH STATE PARK

DATE: FEB 19, 2016

PROJECT # PR-1611

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

APPROVED BY:

DRAWN BY: ED MUSSEY

STATE OF NEW HAMPSHIRE
DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT

PLANNING AND DEVELOPMENT SECTION

HAMPTON BEACH STATE PARK
HAMPTON, NEW HAMPSHIRE

SHEET 2 OF 2