

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK
CITY OF PORTLAND

Please Read
Application And
Notes, If Any,
Attached

PERMIT ISSUED

JUN - 7 2006

This is to certify that City Of Portland/Reed & Reed Inc.

has permission to Casco Bay Island District Transit/ add a building

AT 46 Commercial St

CITY OF PORTLAND

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME

Permit Number: 060506

JUN - 7 2006

RECEIVED

provided that the person or persons who obtain or accept this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission procured before this building or part thereof is loaded or enclosed-in. 4 HOUR NOTICE IS REQUIRED.

A certificate of occupancy **must** be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____

Health Dept. _____

Appeal Board _____

Other _____

Department Name _____

Al J. Gungor 6/2/06
 Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-0506	Issue Date: 7 2006	CBL: 444 A001001
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Location of Construction: 46 Commercial St	Owner Name: City Of Portland	Owner Address: 389 Congress St	Phone: 2074439747
Business Name:	Contractor Name: Reed & Reed Inc.	Contractor Address: 275 River Rd/ P.O. Box 370 Woolwic	Phone:

Lessee/Buyer's Name	Phone:	Permit Type: Additions - Commercial	Zone: WPDZ
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Past Use: Casco Bay Island District Transit	Proposed Use: Casco Bay Island District Transit/ add a loading ramp	Permit Fee:	Cost of Work:	CEO District:
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Proposed Project Description: Casco Bay Island District Transit/ add a loading ramp	FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied N/A	INSPECTION: Use Group U Type 20 6/2/06 Signature [Signature]
	Signature [Signature]	

Action <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied
Signature _____ Date _____

Permit Taken By: Idobson	Date Applied For: 0411212006	Zoning Approval
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Special Zone or Reviews <input type="checkbox"/> Farmland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Site plan every 100 ft Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> OK w/ conditions Date: 5/4/06 [Signature]	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: [Signature]
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
------------------------	---------	------	-------

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE	DATE	PHONE
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General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

4				
Total Square Footage of Proposed Structure 0			Square Footage of Lot 153,003 sq 8710724	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 444 A001001 5			Owner: CITY OF PORTLAND	
Lessee/Buyer's Name (If Applicable) CASCO BAY ISLAND TRANSIT DISTRICT			Applicant name, address & telephone: Reed & Reed, Inc PO Box 370 Woolwich, ME 04579 443-9747	
			Telephone: 874-0689	
			Cost Of Work: \$ 300,000	
			Fee: \$ 0	
			C of O Fee: \$	
If vacant, what was the previous use? N/A				
Proposed Specific use: SAME				
Project description: ADD A LOADING RAMP existing pier modifying to ramp				
Contractor's name, address & telephone: Reed & Reed, Inc				
Who should we contact when the permit is ready: DUSTIN LITTLEFIELD				
Mailing address: PO Box 370 Woolwich, ME 04579				
Phone: 443-9747				

Please submit all of the information outlined in the Commercial Application Checklist.
Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant:

Dustin Littlefield

Date:

4/10/06

This is not a permit; you may not commence ANY work until the permit is issued.

389 Congress Street, 04101 Tel: (207) 874-8703, **Fax:** (207) 874-8716

Permit No:	Date Applied For:	CBL:
06-0506	04/12/2006	444 A001001
Owner Address:		Phone:
389 Congress St		
Contractor Address:		Phone
275 River Rd/ P.O. Box 370 Woolwic		(207) 443-9747
Permit Type:		
Additions - Commercial		
Project Description:		
Bay Island District Transit/ add a loading ramp		
Cptn Greg Cass		Approval Date:
		Ok to Issue: <input type="checkbox"/>

Reed & Reed, Inc.

PO Box 370
Woolwich, ME 04579
Ph: (207)443-9747

Letter of Transmittal

To: Michael Nugent
City of Portland
389 Congress St
Portland, ME 04101
Ph: 207-874-8700 Fax: 207-874-8716

Transmittal #: 187

Date: 4/10/2006

Job: 421 Ocean Gateway Terminal

Subject: CBITD Gate #5 #4?

WE ARE SENDING YOU

☒ Attached

☐ Under separate cover via None the following items:

☐ Shop drawings

☐ Prints

☐ Plans

☐ Samples

☐ Copy of letter

☐ Change order

☐ Specifications

☐ Other

Document Type	Copies	Date	No.	Description
Other -	1			Building Permit Application

THESE ARE TRANSMITTED as checked below:

☐ For approval

☐ Approved as submitted

☐ Resubmit ___ copies for approval

☐ For your use

☐ Approved as noted

☐ Submit ___ copies for distribution

☐ As requested

☐ Returned for corrections

☐ Return ___ corrected prints

☐ For review and comment

☐ Other

☐ FOR BIDS DUE

☐ PRINTS RETURNED AFTER LOAN TO US

Remarks: Mike,

If any further information is required, please do not hesitate to call, or you may contact Woodard & Curran directly. If you have any questions, please call.

Dusitn

Copy To: Mark Buckbee (Reed & Reed, Inc.)

From: Dustin Littlefield (Reed & Reed, Inc.)

Signature: _____

Applicant

Applicant's Mailing Address

Consultant/Agent/Phone Number

774211

12-2-05
+
-
+

Application Date

Gate #	Req. #	Project Name/Description
1	1	Project 1: [Blank]
2	2	Project 2: [Blank]
3	3	Project 3: [Blank]
4	4	Project 4: [Blank]
5	5	Project 5: [Blank]
6	6	Project 6: [Blank]
7	7	Project 7: [Blank]
8	8	Project 8: [Blank]
9	9	Project 9: [Blank]
10	10	Project 10: [Blank]
11	11	Project 11: [Blank]
12	12	Project 12: [Blank]
13	13	Project 13: [Blank]
14	14	Project 14: [Blank]
15	15	Project 15: [Blank]
16	16	Project 16: [Blank]
17	17	Project 17: [Blank]
18	18	Project 18: [Blank]
19	19	Project 19: [Blank]
20	20	Project 20: [Blank]
21	21	Project 21: [Blank]
22	22	Project 22: [Blank]
23	23	Project 23: [Blank]
24	24	Project 24: [Blank]
25	25	Project 25: [Blank]
26	26	Project 26: [Blank]
27	27	Project 27: [Blank]
28	28	Project 28: [Blank]
29	29	Project 29: [Blank]
30	30	Project 30: [Blank]
31	31	Project 31: [Blank]
32	32	Project 32: [Blank]
33	33	Project 33: [Blank]
34	34	Project 34: [Blank]
35	35	Project 35: [Blank]
36	36	Project 36: [Blank]
37	37	Project 37: [Blank]
38	38	Project 38: [Blank]
39	39	Project 39: [Blank]
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41	41	Project 41: [Blank]
42	42	Project 42: [Blank]
43	43	Project 43: [Blank]
44	44	Project 44: [Blank]
45	45	Project 45: [Blank]
46	46	Project 46: [Blank]
47	47	Project 47: [Blank]
48	48	Project 48: [Blank]
49	49	Project 49: [Blank]
50	50	Project 50: [Blank]

46600000 - 1 57

Address of Proposed Site

CBL: 444 A 001 901

Description of Proposed Development:

Revision to previously exempted sketch. Installation of "Gate 4" ramp w/ associated site changes.

Please Attach Sketch/Plan of Proposal/Development

Applicant's Assessment
(Yes, No, N/A)

**Planning Office
Use Only**

Criteria for Exemptions:

See Section 14-523 (4) on back side of form

- a) Within Existing Structures; No New Buildings, Demolitions or Additions
- b) Footprint Increase Less Than 500 Sq. Ft.
- c) No New Curb Cuts, Driveways, Parking Areas
- d) Curbs and Sidewalks in Sound Condition/Comply with ADA
- e) No Additional Parking/ No Traffic Increase
- f) No Stormwater Problems
- g) Sufficient Property Screening
- h) Adequate Utilities

Planning Division Use Only

Exemption Granted

Partial Exemption

Exemption Denied

Planner's Signature

Date _____

4

**PROVISION OF PORTLAND CITY CODE
§ 14-523 (SITE PLAN ORDINANCE)
RE: EXCEPTIONS TO SITE PLAN REVIEW**

Sec. 14-523. Approval required.

No person shall undertake any development without obtaining approval therefore under this article.

- (4)** The Planning authority shall exempt from review under all standards in this article developments that meet all of the following requirements:
- a. The proposed development will be located within existing structures, and there will be no new buildings, demolitions, or building additions other than those permitted by subsection h of this section;
 - b. Any building addition shall have a new building footprint expansion of less than five hundred (50) square feet;
 - c. The proposed site plan does not add any new curb cuts, driveways, or parking areas; the existing site has no more than one (1) curb cut and will not disrupt the circulation flows and parking on-site; and there will be no drive-through services provided;
 - d. The **curbs** and sidewalks adjacent to the lot are complete and in sound condition, as determined by the public works authority, with granite curb with at least four **(4)** inch reveal, and sidewalks are in good repair with uniform material and level surface and meet accessibility requirements of the Americans with Disabilities Act;
 - e. The use does not require additional or reduce existing parking, either on or off the site, and the project does not significantly increase traffic generation;
 - f. There are no known stormwater impacts from the proposed use or any existing deficient conditions of stormwater management on the site;
 - g. There are no evident deficiencies in existing screening from adjoining properties; and
 - h. Existing utility connections are adequate to serve the proposed development and there will be no disturbance to or improvements within the public right-of-way.

A developer claiming exemption under this subsection shall submit a written request for exemption stating that the proposed meets all of the provisions in standards a-h of this subsection, including an itemized statement by a qualified professional. Upon receipt of such a request, the planning authority will visit the site to verify that the exemption is applicable due to compliance with the standards. The planning authority, after consultation with the public works authority, shall render a written decision within ten (10) working days after receipt of a written request for exemption that contains all the information required by this subsection. If a full exemption is granted, the application shall be approved without further review under this article, and no performance guarantee shall be required. The planning authority may require full site plan review of a project that meets the criteria of this subsection if it determined that there is a substantial public interest in the project.

In the event that the planning authority determines that standards a and b of this subsection and at least four **(4)** of the remaining standards have been met, the planning authority shall review the site plan under the review standards in section 14-526 that are affected by the standards in this subsection that have not been met. An application that receives review by the planning board shall receive a complete review under the standards of section 14-526. The planning authority shall notify an applicant in writing that full or partial site plan review is required, the reasons for the decision, and the information that will be required for site plan review.

IMPORTANT NOTICE TO APPLICANT

An Exemption from site plan review does not exempt this proposal from other approvals or permits, nor is it an authorization for construction. You should first check with the Building Inspections Office, Room 315, City Hall (874-8703), to determine what other City permits, such as a building permit, will be required.

2/13/06
REVISION

SECTION 202

REMOVING STRUCTURES AND OBSTRUCTIONS

Conform to the relevant provisions of State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges and Supplemental Specification most recent edition, SECTION 202 REMOVING OF STRUCTURES AND OBSTRUCTIONS, with the following changes:

202.01 Description. This subsection is amended by the removal of reference to bituminous and portland cement concrete pavement, buildings, manholes, and catch basins .

202.02 Removing Buildings. This subsection is amended the change of the title to:

202.02 Removing Structures and Obstructions.

and replace the first paragraph with:

The Contractor shall remove and dispose of all structures and obstructions as detailed on the plans, and to include the following:

- (a) Timber decking, curb, stringers, pile caps, piles, chocks, wales and any other timber as designated on the drawings.
- (b) Concrete overlay, grade beam and any other concrete as designated on the drawings.
- (c) Miscellaneous hardware, steel angles, pieces of timber, rubble and other material encountered during the course of the work which interferes with work specified.

Add the following:

The Contractor shall also remove and store all mooring fixture and hardware that may be located in designated demolition area. These fixtures shall be stored and shall remain the property of the Owner.

During over or in-water demolition activities, the area of the demolition work will be enclosed with a floating boom. ~~materials retained by the boom shall be removed on a daily basis.~~

The Contractor shall use extreme caution when demolishing structures'. Damage caused by the Contractor to the adjacent 1909-05 CBITD Improvements Gate 4

structures or remaining structures shall be repaired by the Contractor at no additional cost as directed by the Owner. Contractor shall saw cut existing timber and concrete at limits identified on plans. All cuts shall have square edges.

The use of explosives is prohibited.

202.03 Removing Existing Superstructures, Structural Concrete, Railings and Bridges. This subsection is amended:

the replacing of references to structural concrete, railing and bridge removal in subsequent paragraphs with "the various components of the wharf."

The words, "Blasting or other," shall be removed from the last paragraph of the subsection.

Remove the following sections:

501.11 Method of Measurement.

501.12 Basis of Payment.

All other sections remain unchanged

SECTION 501

FOUNDATION PILES

Conform to the relevant provisions of State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges most recent edition and supplements thereto, SECTION 501 FOUNDATION PILES, with the following changes:

501.02 Materials. The first paragraph shall be revised as follows:

Steel pipe piles shall be new 14 inch outside diameter with 0.5 inch wall thickness as designated on the plans. The piles shall also conform to ASTM A 252, Grade 3, seamless or fusion welded. Spiral welded pipe will not be permitted.

Steel H-beam piles shall be HP10 x 57.

The third paragraph shall be revised as follows:

Portland Cement concrete fill shall be Class A and conform to the requirements detailed in SECTION 502, STRUCTURAL CONCRETE. Reinforcing steel for the concrete fill shall conform to SECTION 503, REINFORCING STEEL.

Add the following paragraphs:

Welding and electrodes shall conform to the American Welding Society Publications AWS D1.1.

Coat all steel pipe piles and H-beam piles along all exposed and submerged areas to a distance of 15 feet (minimum) below the mudline or ground surface. Coating system shall be one coat **of** a zinc rich (>83%) primer and two coats of a high solids (>60%) urethane top coat system. The primer thickness shall be 3.0 MILS dry film thickness (DFT). Each of the top coat thickness shall be 6 MILS DFT. Color shall be black as approved by the Owner. Topcoat shall conform to the following specifications:

Property	Test Description	Results
Water Absorption	3M free film immersion 30 days	0.105 g/ft ² (1.13 g/m ²)
% solids		> 60%

Impact	ASTM G14-72 10 mil (0.254mm) coating @ 73°F (23°C) Reverse Direct	30 in-lbs. (0.33 kg.m) 30 in-lbs (0.33 kg.m)
Abrasion Resistance	ASTM D1044 CS 17, 1000 g weight 5000 cycles	0.4953 g loss
Adhesion to Steel (shear)	ASTM D 1002-64	3000 psi (210 kg/cm ²)
Hardness	Shore D Barcol ASTM D2583	85 10
Thermal Conductivity	Mil-I-16923E	6.0x10 cal/sec/cm ² /°C/cm
Thermal Shock	3M-10 cycles -100°F to 310°F (-73°C to 154°C)	No effect
Salt Spray	ASTM B117-61 1000 hours	<1.8 in(3.2 mm) undercutting
Weatherometer 1000 hours	ASTM E42-57	Surface Chalking
Fungus Resistance	MIL E5272C	Funginert

All surfaces shall **be** thoroughly prepared for coating application in strict accordance with the coating manufacturer's recommendation. **All** cleaning and coating work must be performed in a heated building. Preceding grit blasting, steel must be heated to at least 100 degrees F. to eliminate possibility of moisture on the surfaces to be cleaned and coated.

Grit blasting shall be to clean grey metal, at least equivalent to a Near White as defined by SSPC Specification SP-10. All work blasted in one day must be coated on that day.

Any areas of the surface which show traces of oil, grease, or other organic matter shall be removed prior to coating. The

contamination shall be removed by using either a solvent or spot blasting.

All surfaces to be coated must be completely dry, free of moisture, soil, dust and grit at the time the coating is applied.

The Owner's representative shall have access to each part of the process and shall have the right and opportunity to witness any of the quality control test and/or perform such test himself on a random sampling basis.

Piles shall be coated on the outside only. The coating system shall be applied in an environmentally controlled plant that is fully enclosed. The grit blast cleaning machine shall be fully automatic and fully enclosed in an environmentally controlled plant.

The coating material shall be applied strictly in accordance with the coating manufacturer's recommendation as to coating application procedure and curing schedule.

The cured coating shall be of uniform color, gloss and thickness and shall be free of blisters, pinholes, fish eyes, sags, runs, and any other irregularities.

The coater shall be responsible for all quality control checking including visual inspection, thickness measurement, and such inspections in a form suitable to the Owner's representative.

The Owner's representative shall have access to each part of the process and shall have the right and opportunity to witness any of the quality control test and/or perform such test himself on a random sampling basis.

501.03 Equipment.

Pile Hammers: Air, steam or diesel-powered, of a type approved by the Engineer. The hammer furnished shall have a capacity at least equal to the hammer manufacturer's recommendation for the total weight of pile and character of subsurface material to be encountered. The minimum driving energy of the hammer shall be 20 000 foot-~~_____~~ for piles of any length, the maximum driving energy of the hammer shall be operated at the rate recommended by the manufacturer throughout the entire driving period. Sufficient pressure shall be

maintained at the hammer so that: (1) for double-acting hammer, the number of blows per minute during and at the completion of driving of a pile is equal to at least 90% of that at which the hammer is rated; (2) for single-acting hammer, there is a full upward stroke of the ram; and (3) for differential-type hammer, there is a slight rise of the hammer base during each upward stroke.

Driving Helmets: The driving helmet or cap shall be capable of protecting the head of the pile, minimizing energy absorption, and transmitting hammer energy uniformly and consistently during the entire driving period. The driving helmet or cap shall fit snugly on the top of the pile so that the energy transmitted to the pile is uniformly distributed over the entire surface of the pile head. Demonstrate to the Engineer that the equipment to be used on the project performs the above functions.

501.04 Driving Procedures and Tolerances. The following paragraph is added to the beginning of the subsection:

The following is a list of documentation required to be submitted to the Engineer for approval:

- (1) Driving plan and schedule for installation of the steel pipe piles.
- (2) Method of installation of piles including size and type of pile hammer.
- (3) Templates and falsework to be used for support and layout of piles during driving.
- (4) Pile points method of attachment.
- (5) Color sample.

The following paragraphs shall be added to the end of the subsection:

Each pipe pile shall be driven without interruption to an allowable capacity of 30 tons.

Each H-beam pile shall be driven without interruption to an allowable capacity of 15 tons

The Contractor shall ensure that pile driving operations do not damage existing adjacent structures and properties, of

special concern is the terminal building and stone seawall. If during pile driving operations, noticeable vibrations or movement of or around adjacent structure is detected, the Contractor shall cease operations and contact the Owner and Engineer to review and possibly modify pile driving operations and criteria.

501.05 Special Requirements for Steel Pipe Piles and Steel H-Beam Piles.

The following paragraphs shall be added to the end of the subsection:

All damaged pile coating on pipe piles shall be touched up using the same topcoat previously applied to the piles. All touch ups shall be done following manufacturer's recommendations.

Existing work shall be protected from spillage and spattering during application of coatings. All spillage and spatterings shall be cleaned up immediately. Contractor is responsible to leave existing areas free of all such foreign materials. Coating which in the opinion of the Owner does not meet acceptance shall be redone at no cost to the Owner.

501.07 Pile Testing and Acceptance. The first paragraph shall be revised to the following:

Pile loadtesting will not be required. Pile driving equipment and criteria (blows/in) shall be determined with the use of an approved wave equation analysis.

501.09 Splicing Piles. The list below the first paragraph is revised to read:

Piles under 60 feet in length--no splices allowed.

Piles splices must be located a minimum of 5 feet below the mudline or above the deck elevation.

Remove the following sections:

~~501.11 Method of Measurement.~~

~~501.12 Basis of Payment.~~

All other sections remain unchanged

SECTION 502

STRUCTURAL CONCRETE

Conform to the relevant provisions of State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges most recent edition and supplements thereto, SECTION 502 STRUCTURAL CONCRETE, with the following changes:

502.01 Description. This subsection will be amended by deleting reference to the Quality Control (QC) Plan and Quality Assurance (QA) provisions METHOD A...Statistical Acceptance.

502.02 Classification. This subsection will be replaced with:

The Portland cement concrete used for reinforced concrete structures shall be Class A.

The Portland cement concrete used for filling pipe piles shall be Class A.

502.03 Materials. Add to this subsection:

Grout shall be a cement based high strength non-shrink grout suitable for the purpose intended in a marine environment. It shall have a minimum compressive strength of 5000 psi at 7 days.

502.05 Composition and Proportioning. This subsection will be amended by adding:

On Page 4 of **43**, TABLE 1 (English) - Concrete CLASS A, add NOTE #3 to the Notes Section.

502.11 Placing Concrete. Add to this subsection:

Before placing concrete and/or grout, the area of placement shall be cleaned of all laitance, grease, oil, foreign particles and loose or deteriorated materials. The surface shall be prepared according to the manufacturer's recommendations. All existing concrete surfaces that shall be covered with newly placed concrete and/or grout shall first be coated with a bonding agent corrosion inhibitor. This product shall be cementitious, solvent free, moisture tolerant product specifically formulated as a bonding agent and an anti-corrosion coating.

Concrete and/or Grout shall be mixed and placed according to its required use and to fill all voids ensuring full bearing and according to the manufacturer's recommendations.

Concrete and/or Grout shall be cured according to the manufacturer's recommendations and not be loaded until an acceptable level of strength is achieved.

Remove the following sections:

501.11 Method of Measurement.

501.12 Basis of Payment.

All other sections remain unchanged

SECTION 503

REINFORCING STEEL

Conform to the relevant provisions of State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges latest edition and supplements thereto, SECTION 503, REINFORCING STEEL, with the following changes:

503.01 Description. This subsection is revised to read:

This work shall consist of furnishing and placing epoxy coated reinforcement in accordance with these specifications and in conformity with the plans.

503.05 Fabrication. This subsection is revised as follows:

"503.051 Epoxy Coating. The first paragraph shall read: All reinforcing steel shall be epoxy coated and shall meet the requirements of ASTM A775/A775M, Epoxy-Coated Reinforcing Steel Bars and the following requirements:"

Remove the following sections:

501.11 Method of Measurement.

501.12 Basis of Payment.

All other sections remain unchanged

SECTION 506

PAINTING STRUCTURAL STEEL

Conform to the relevant provisions of State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges most recent edition and supplements thereto, SECTION 506 PAINTING STRUCTURAL STEEL, with the following changes:

506.01 Description. This work shall consist of furnishing and applying a shop applied and field applied prime coat and finish coating system in accordance with the plans and specifications. These shop and field applied coatings shall be compatible.

506.02 Materials. Primer coating for shop and field applied coating shall be a zinc-rich (>83%) urethane primer, acceptable for use in the intended marine and submerged environment with a solids **by** volume percentage $\geq 60\%$.

Final coating for shop and field applied coating shall be a high solids urethane coating acceptable for use in the intended marine and submerged environment with a solids by volume percentage of $\geq 60\%$. Color shall be black.

The Contractor shall submit for approval Manufacturer's literature, recommended application instructions and certification that materials will meet specification requirements.

506.03 Surface Preparation. All surface preparation shall be in accordance with Steel Structures Painting Council Surface Preparation Specification No. 10 - Near-White Blast Cleaning for shop applied coating and No. 6 - Commercial Blast for field applied coating.

506.04 Weather Conditions. All coatings shall be able to properly cure, especially the field applied coatings which need to cure in a marine environment and at temperature expected during the time of construction.

~~506.05 Preparation of Paint. Mix and thin material~~ ~~or~~
shop and field application according to manufacturer's latest printed instructions. Do not use materials beyond manufacturer's recommended shelf life. Do not use mixed materials beyond manufacturer's recommended pot life.

506.06 Paint Application. Apply materials for shop and field application at specified film thickness by method recommended by manufacturer. Allow each coat to dry thoroughly before recoating. Follow manufacturer's recommended recoat time. Cut edges clean and sharp where work joins other materials or colors. Make finish coats smooth, uniform in color, and free of brush marks, laps, runs, dry spray, overspray and skipped or missed areas. Field touch-up shall be in accordance with the paint manufacturer's recommendations.

506.07 Inspection. The coating may be subject to inspection using holiday detectors, and/or field adhesion testers. Request acceptance of each coat before applying succeeding coats. Repair and touch-up all work that is not acceptable to the Engineer and request final acceptance.

506.08 Cleaning. Remove paint spatters from adjoining surfaces. Repair damage to coatings or surfaces caused by cleaning operations. Remove debris from job site and leave storage areas clean.

506.09 Painting Schedule.

A. Surfaces to be Painted:

1. 14" pipe piles and H-beam piles.
2. MC 12x40 channels.
3. 20"x20" Bearing plates.
4. Chain guide assembly.
5. 4"x4"x1/2" angle hoist mounts.
6. Hoist beam chain plate.
7. All ramp hinge members.

B. Coating System:

Primer Coat: Zinc-Rich urethane at 3.0 mils DFT.

Final Coat: Urethane coating at 12.0 mils DFT. More than one coat may be required to obtain 12.0 mils DFT.

Remove the following sections:

501.11 Method of Measurement.

501.12 Basis of Payment.

All other sections remain unchanged