

PRECAST CONCRETE/STEEL COMPOSITE PIER CAP:

46. THE DOWEL SLEEVES AND GROUT PAD CONNECTING THE PRECAST COMPOSITE PIER CAP TO THE CAST-IN-PLACE COLUMN SHALL BE GROUTED WITH PREBAGGED, NON-SHRINK FLOWABLE GROUT, PAID UNDER THE APPROPRIATE PRECAST CONCRETE PIER CAP ITEM. GROUT SHALL REACH 8,000PSI IN 28 DAYS.
47. PUMP ALL GROUT TUBES CONCURRENTLY THROUGH GROUT PORTS PROVIDED IN THE COLUMN. CONTRACTOR SHALL ENSURE THAT THE TUBES ARE FULLY FILLED WITH GROUT. GROUT FORMS SHALL BE VENTED EVERY 1 FOOT TO ALLOW FOR THE ESCAPE OF AIR TO PREVENT VOIDS.
48. A STEP BY STEP GROUTING PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, INCLUDING A PLACEMENT PROCEDURE THAT DETAILS THE MATERIALS TO BE USED, THE FORMS TO BE USED, AND THE METHODS TO BE EMPLOYED.
49. THE UNIT PRICE FOR THE PRECAST PIER CAP SHALL INCLUDE ALL LABOR AND MATERIALS TO ASSEMBLE STEEL AT THE PRECAST YARD AND CAST CONCRETE CAP. PAYMENT WILL BE MADE UNDER THE APPROPRIATE PRECAST CONCRETE PIER CAP ITEM.
50. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENSURING THE REQUIREMENTS OF THE APPROPRIATE PRECAST CONCRETE PIER CAP ITEM ARE MET.

SIGN INSTALLATION NOTES:

51. ALL SIGNS AND ASSOCIATED WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
52. ALL SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
53. ALL SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH VAOT STANDARD E-121 STANDARD SIGN PLACEMENT CONVENTIONAL ROADS, UNLESS OTHERWISE NOTED.
54. ALL SIGNS, FRAMES, MOUNTING HARDWARE, POSTS, AND ANCHORS FOR ANY SIGN ASSEMBLY SHALL BE REPLACED AT THE SAME TIME. MIXING OF OLD AND NEW SIGNS ON THE SAME ASSEMBLY WILL NOT BE ALLOWED EXCEPT AS NOTED ON THE PLANS.
55. NEW SIGNS WITH THEIR GREATER NIGHT TIME RETROREFLECTIVITY CAN OBSCURE OLDER SIGNS MOUNTED ADJACENT TO THEM. TO AVOID CONFUSION OF ROAD USERS, WORK SHALL BE COORDINATED SUCH THAT ALL SIGNS ASSOCIATED WITH A CURVE, INTERSECTION, OR SPEED CHANGE, SHALL BE REPLACED ON THE SAME DAY AND NOT LEFT INCOMPLETE NOR WITH A MIXTURE OF OLD AND NEW SIGNS WITHIN A GROUP OF ASSOCIATED SIGNS.

FABRICATION:

56. FABRICATE ALL STEEL SUPERSTRUCTURE COMPONENTS AT STEEL FABRICATION PLANT. ERECT STEEL BEAMS AND ALL DIAPHRAGMS ON TEMPORARY BLOCKING AND MATCH DRILL THE GIRDER SPLICE PLATES. REASSEMBLE THE COMPLETE 2 SPAN SUPERSTRUCTURE UNIT AT THE PRECAST FACILITY ON TEMPORARY BLOCKING. INSTALL REBAR AND REMOVABLE FORMS FOR THE PRECAST COMPOSITE PIERCAP BEAM.

CONCRETE:		REINFORCING STEEL:	
STRUCTURAL ELEMENT	CONTRACT PAY ITEM	SHALL MEET THE REQUIREMENTS OF:	PAYMENT TO BE INCLUDED UNDER:
CONCRETE DECK, BEAM-END CLOSURE POURS, AND CURBS (F'C = 4000 PSI)	ITEM 501.33, "CONCRETE, HIGH PERFORMANCE CLASS A"	REINFORCING STEEL, LEVEL II	ITEM 507.12, "REINFORCING STEEL, LEVEL II"
CLOSURE POURS AT APPROACH SLABS (F'C = 5000 PSI)	ITEM 900.608, "SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, RAPID SET) (FPQ)"	REINFORCING STEEL, LEVEL II	ITEM 507.12, "REINFORCING STEEL, LEVEL II"
ABUTMENT PILECAPS (F'C = 5000 PSI)	ITEM 540.10, "PRECAST CONCRETE STRUCTURE (ABUTMENT #1)" OR "PRECAST CONCRETE STRUCTURE (ABUTMENT #2)" OR ITEM 900.645 "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (ABUTMENT #1)" OR "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (ABUTMENT #2)"	REINFORCING STEEL, LEVEL II	ITEM 540.10, "PRECAST CONCRETE STRUCTURE (ABUTMENT #1)" OR "PRECAST CONCRETE STRUCTURE (ABUTMENT #2)" OR ITEM 900.645 "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (ABUTMENT #1)" OR "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (ABUTMENT #2)"
PIER CAP (F'C = 4000 PSI)	ITEM 900.645 "SPECIAL PROVISION (PRECAST CONCRETE/STEEL COMPOSITE PIER CAP)" OR ITEM 900.645 "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (CONCRETE/STEEL PIER CAP)"	REINFORCING STEEL, LEVEL II	ITEM 900.645 "SPECIAL PROVISION (PRECAST CONCRETE/STEEL COMPOSITE PIER CAP)" OR ITEM 900.645 "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (CONCRETE/STEEL PIER CAP)"
DRILLED SHAFT (F'C = 4000 PSI)	ITEM 900.645 "SPECIAL PROVISION (DRILLED SHAFT IN EARTH)"	REINFORCING STEEL, LEVEL I	ITEM 900.645 "SPECIAL PROVISION (DRILLED SHAFT IN EARTH)"
APPROACH SLABS (F'C = 5000 PSI)	ITEM 540.10, "PRECAST CONCRETE STRUCTURE (APPROACH SLAB #1)" OR "PRECAST CONCRETE STRUCTURE (APPROACH SLAB #2)" OR ITEM 900.645 "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (APPROACH SLAB #1)" OR "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (APPROACH SLAB #2)"	REINFORCING STEEL, LEVEL II	ITEM 540.10, "PRECAST CONCRETE STRUCTURE (APPROACH SLAB #1)" OR "PRECAST CONCRETE STRUCTURE (APPROACH SLAB #2)" OR ITEM 900.645 "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (APPROACH SLAB #1)" OR "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE) (APPROACH SLAB #2)"
COLUMN (F'C = 4000 PSI)	ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B"	REINFORCING STEEL, LEVEL II	ITEM 507.12, "REINFORCING STEEL, LEVEL II"

PROJECT NAME: NEW HAVEN  
PROJECT NUMBER: BRF 0183 (I)



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PROJECT NOTES

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