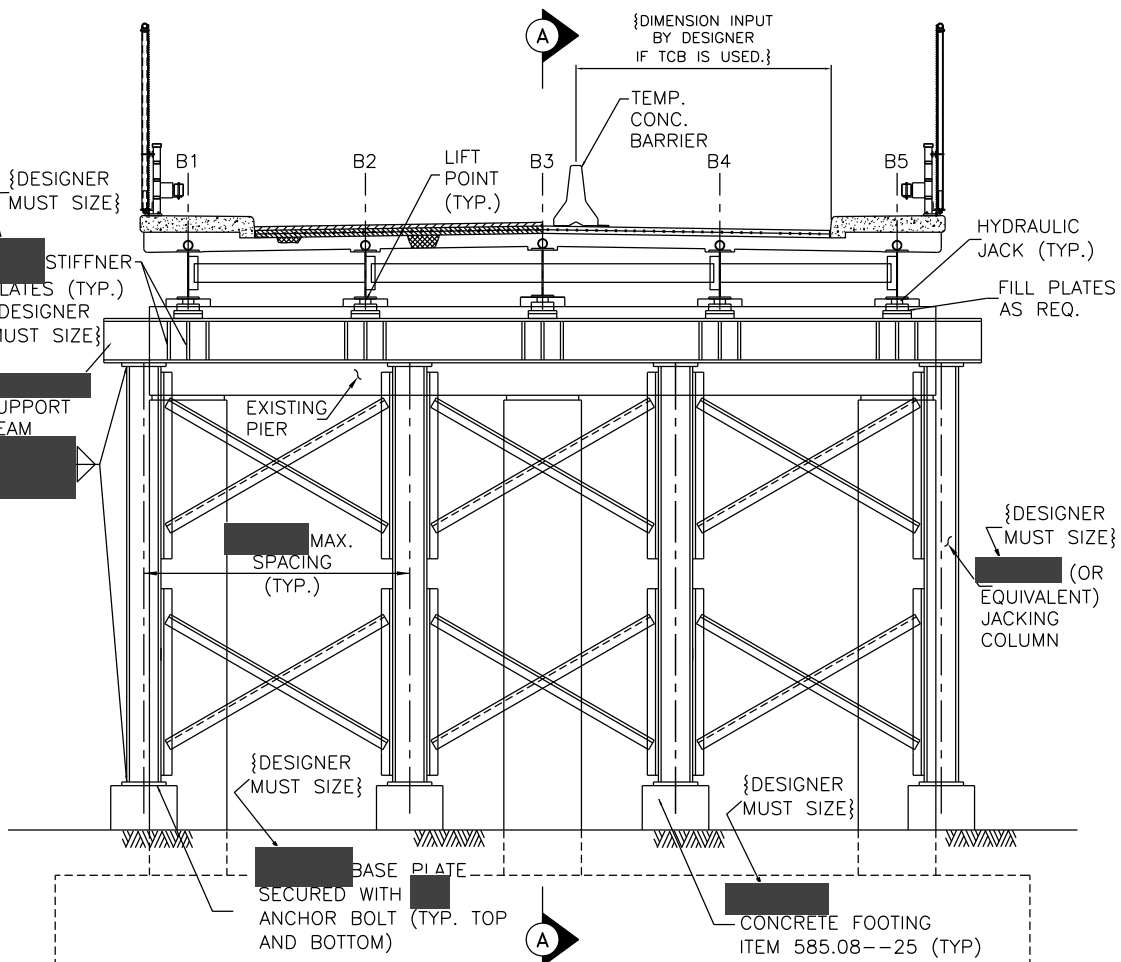


IN CHARGE OF: TA
DESIGNED BY: TA
DRAFTED BY: TA
CHECKED BY: TA

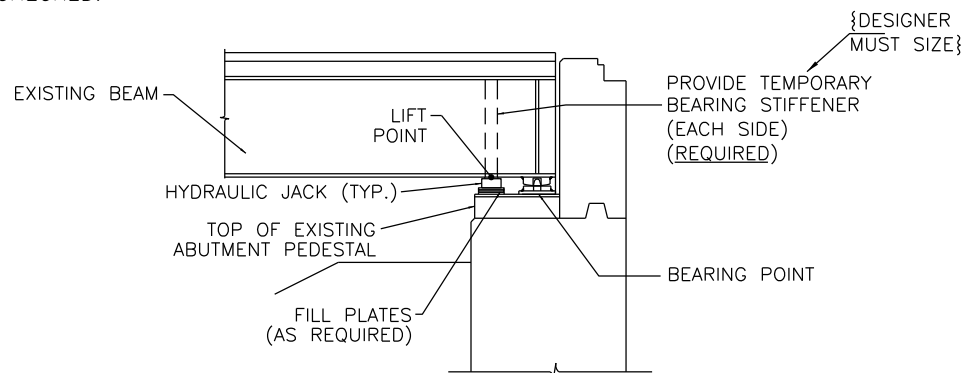


TEMPORARY SUPPORT OF STEEL SUPERSTRUCTURE - ELEVATION

(ITEM 585.08--25) (REQUIRED ON BOTH SIDES OF PIER)

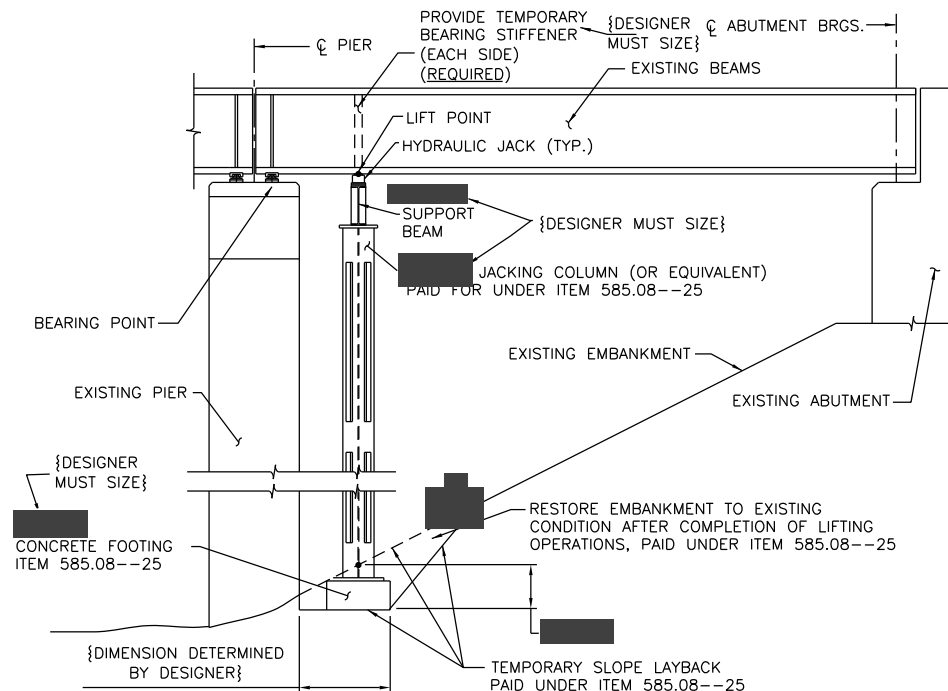
ALL WORK SHOWN TO BE INCLUDED IN ITEM 585.08--25
UNLESS OTHERWISE SPECIFIED.

NOTE: THE TEMPORARY SUPPORTS SHOWN ARE SUGGESTED. THE CONTRACTOR MAY PROPOSE AN ALTERNATE METHOD. ANY LIFTING EQUIPMENT AND METHOD PROPOSED SHALL EMPLOY MEMBERS THAT ARE NOT DAMAGED OR OVERSTRESSED, ARE SAFELY BRACED AT ALL TIMES AND ARE SUPPORTED ON A SUITABLE FOUNDATION. AT NO TIME WILL THE CONTRACTOR BE ALLOWED TO APPLY A LIFTING FORCE IN EXCESS OF ONE AND A HALF TIMES THE CALCULATED LIFTING FORCE. THE CONTRACTOR SHALL HAVE AN ENGINEER LICENSED IN THE STATE OF NEW YORK PREPARE AND STAMP A SET OF PLANS AND ALL CALCULATIONS FOR ALL STRUCTURAL LIFTING AND JACKING FRAMES TO BE USED. ALL CALCULATIONS SHALL BE INDEPENDENTLY CHECKED.



TYPICAL SIDE VIEW AT ABUTMENTS

STRUCTURAL LIFTING OPERATIONS,
TYPE A (ITEM 585.01010125)



SECTION A-A

PROPOSED PROCEDURE FOR TEMPORARY SUPPORT OF STEEL SUPERSTRUCTURE

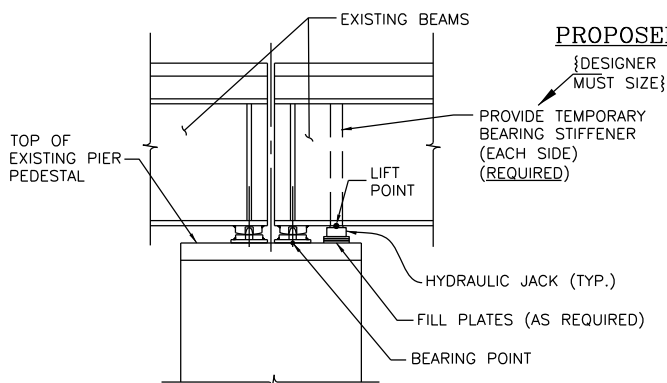
ITEM 585.08--25 (REQUIRED ON BOTH SIDES OF PIER)

ALL WORK SHOWN TO BE INCLUDED IN ITEM 585.08--25
UNLESS OTHERWISE SPECIFIED.

1. PROVIDE TEMPORARY LAGGING OR SHORING AT THE DESIGNATED LOCATIONS TO FACILITATE EXCAVATION REQUIRED FOR PLACEMENT OF TEMPORARY CONCRETE FOOTING TO SUPPORT TEMPORARY JACKING COLUMNS.
2. ERECT JACKING COLUMNS WITH TOP AND BOTTOM BASE PLATES. SECURE COLUMNS.
3. PROVIDE CROSS BRACING BETWEEN JACKING COLUMNS.
4. INSTALL SUPPORTING TOP STEEL BEAM WITH STIFFENER PLATES AND SECURE IT TO THE JACKING COLUMNS TOP PLATE BY 1" DIAMETER ANCHOR BOLTS.
5. INSTALL HYDRAULIC JACKS ON THE SUPPORTING BEAM UNDER THE BEAMS TO BE RAISED. THE JACK SHALL BE CAPABLE OF BEING FIXED BY MEANS OF A LOCKING DEVICE SO AS TO REQUIRE NO EXTERNAL BLOCKING. PROVIDE SHIM PLATES UNDER JACK AS REQUIRED.
6. INSTALL TEMPORARY BEARING STIFFENERS (REQUIRED).
6. EXTEND THE JACKS UNTIL EXISTING BEAMS WITH ATTACHED SOLE PLATES ARE DISPLACED BY 1/2" ENGAGE JACK LOCKING COLLAR.
7. AFTER COMPLETION OF CAPBEAM REPLACEMENT WORK AND INSTALLATION OF BEARINGS, RELEASE JACK AND TRANSFER THE LOAD TO THE SUBSTRUCTURE.
8. AFTER ALL LIFTING HAS BEEN PERFORMED, REMOVE ALL JACKING AND SHORING EQUIPMENTS AND TEMPORARY BEARING STIFFENERS.
9. RESTORE EMBANKMENT TO THE ORIGINAL CONDITION.

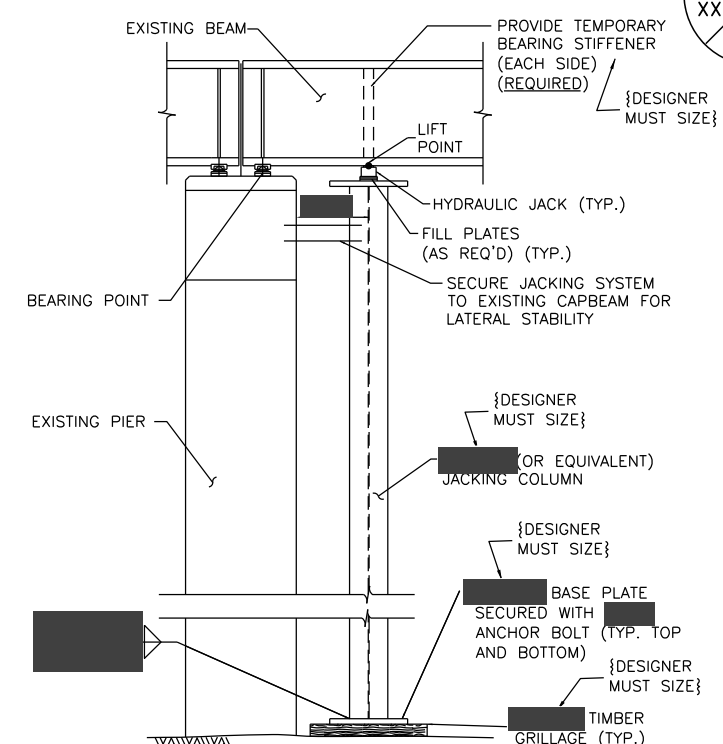
{DESIGNER - MODIFY NOTES FOR SPECIFIC WORK AS REQUIRED}

PE STAMP &
SIGNATURE ARE
REQUIRED
ON THIS SHEET.



TYPICAL SIDE VIEW AT PIERS

STRUCTURAL LIFTING OPERATIONS,
TYPE A (ITEM 585.01010125)



TYPICAL SIDE VIEW AT PIERS X AND Y

PROPOSED PROCEDURE FOR STRUCTURAL LIFTING OPERATIONS,

TYPE B (ITEM 585.01020125):

1. INSTALL 12" TIMBER GRILLAGE ON THE ADJACENT GROUND SURFACE.
2. ERECT JACKING COLUMN WITH TOP AND BOTTOM BASE PLATES. SECURE BOTTOM OF COLUMN USING 1" DIAMETER ANCHOR BOLTS DRILLED INTO TIMBER GRILLAGE. SECURE TOP OF COLUMN USING LATERAL BRACING TO EXISTING PIER CAPBEAM.
3. INSTALL HYDRAULIC JACK ONTO THE TEMPORARY JACKING COLUMN UNDER THE BEARING TO BE REPLACED. THE JACK SHALL BE CAPABLE OF BEING FIXED BY MEANS OF A LOCKING DEVICE SO AS TO REQUIRE NO EXTERNAL BLOCKING. PROVIDE SHIM PLATES UNDER JACK AS REQUIRED.
4. INSTALL TEMPORARY BEARING STIFFENERS (REQUIRED).
4. EXTEND THE JACK UNTIL EXISTING GIRDER WITH ATTACHED SOLE PLATE IS DISPLACED BY 1/2" ENGAGE JACK LOCKING COLLAR.
5. REMOVE BEARING AND RECONSTRUCT PEDESTAL AS SPECIFIED ON DWGS. XX-X & XX-X. CLEAN AND LUBE BEARINGS AS SPECIFIED IN ITEM 565.4303--25. REPLACE BEARING UNDER ITEM 565.47--25.
6. AFTER COMPLETION OF WORK, RELEASE JACK AND TRANSFER LOAD BACK TO BEARING.
7. REMOVE HYDRAULIC JACK, JACKING COLUMNS, TEMPORARY BEARING STIFFENERS, AND TIMBER GRILLAGE.

{DESIGNER - MODIFY NOTES FOR
SPECIFIC WORK AS REQUIRED}

PROPOSED PROCEDURE FOR STRUCTURAL LIFTING OPERATIONS,

TYPE A (ITEM 585.01010125):

1. INSTALL HYDRAULIC JACK ON THE TOP OF PIER OR ABUTMENT PEDESTAL UNDER THE EXISTING GIRDER AT THE LOCATION OF THE BEARING TO BE CLEANED AND LUBED. THE JACK SHALL BE CAPABLE OF BEING FIXED BY MEANS OF A LOCKING DEVICE SO AS TO REQUIRE NO EXTERNAL BLOCKING. PROVIDE SHIM PLATES UNDER JACK AS REQUIRED.
2. INSTALL TEMPORARY BEARING STIFFENERS (REQUIRED).
3. EXTEND THE JACK UNTIL EXISTING GIRDER WITH ATTACHED SOLE PLATE IS DISPLACED BY 1/2" ENGAGE JACK LOCKING COLLAR.
4. CLEAN AND LUBE BEARINGS AS SPECIFIED IN ON DRAWING XX.
5. AFTER COMPLETION OF WORK, RELEASE JACK AND TRANSFER LOAD BACK TO THE BEARING DEVICE.
6. REMOVE TEMPORARY BEARING STIFFENERS.
7. MOVE JACK TO THE NEXT DESIGNATED REPAIR LOCATION AND REPEAT PROCEDURES 1 THRU 6.

{DESIGNER - MODIFY NOTES FOR SPECIFIC WORK AS REQUIRED}

DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING			
200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT			
TITLE OF PROJECT			
LOCATION OF PROJECT			
LOCATION OF PROJECT			
TITLE OF DRAWING			
STRUCTURAL LIFTING DETAILS			
		CONTRACT NUMBER:	
		TA #	
		DATE:	7/10
		DRAWING NUMBER:	XX