

ED GAINNEY
MAYOR



JEFF SKALICAN
ACTING DIRECTOR

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY & INFRASTRUCTURE
CITY-COUNTY BUILDING

October 7, 2025

VIA ELECTRONIC FILING:

Matthew Homsher, Secretary
Pennsylvania Public Utility Commission
400 North Street
Harrisburg, PA 17120

Re: PUC Docket No. A-2025-3055600

Bridge structure and roadway closure where Herron Avenue crosses above grade two (2) public crossings, a single track of Allegheny Valley Railroad (DOT 145 699 S), three (3) tracks of Norfolk Southern Railway Company, in part also operated thereon by CSX Transportation, Inc. and National Passenger Railroad Corporation (DOT 507 477 K), and in addition, crosses above grade the M.L.K. Jr. East Busway of Pittsburgh Regional Transit, located in the City of Pittsburgh, Allegheny County.

Dear Secretary Homsher:

Enclosed for filing, please find the as-built plans documenting the repairs to the Herron Avenue bridge for the purpose of addressing the Critical Priority (Priority 0) Maintenance items identified during a May 2025 bridge inspection. The City of Pittsburgh, Department of Mobility and Infrastructure satisfactorily completed the repairs on Monday, September 22, and hereby request the bridge to be reopened.

A copy of this Filing has been electronically transmitted to the parties in the Certificate of Service to the Application.

Should you have any questions or concerns, please feel free to contact Jeff Skalican, Acting Director of the City of Pittsburgh's Department of Mobility and Infrastructure at jeff.skalican@pittsburghpa.gov or Zack Workman, Deputy Chief Engineer at 412-719-4338 or zachary.workman@pittsburghpa.gov.

Sincerely


Jeff Skalican (Oct 7, 2025 14:06:30 EDT)

Jeff Skalican
Acting Director

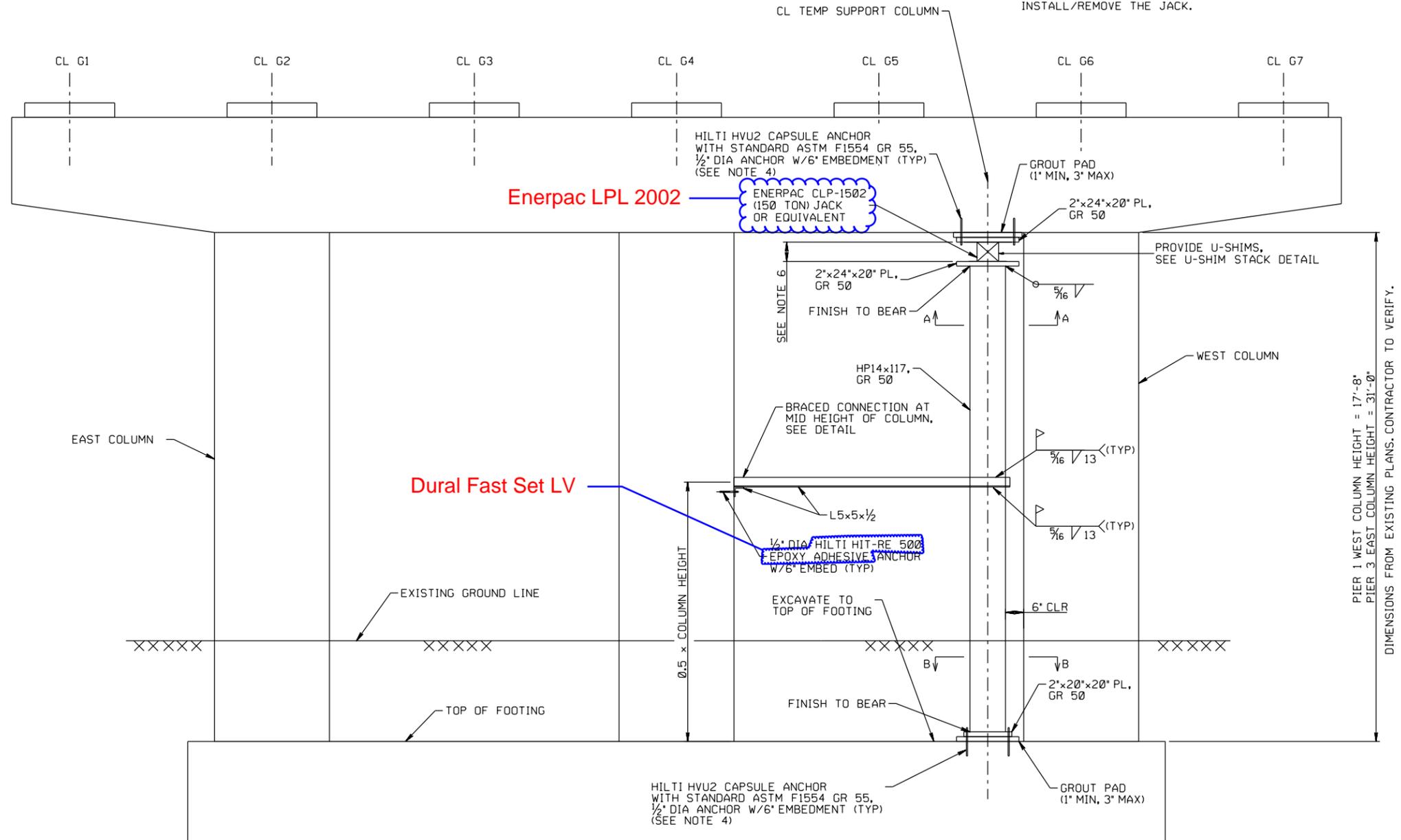
cc: Parties of Record
Eric Setzler / Zack Workman

PIER ELEVATION

PIER 1 SHOWN, OTHERS SIMILAR
 LOOKING AHEAD STATION
 (NOT TO SCALE)

NOTES:

1. ALL WELDS USE $F_{exx} = 70$ KSI ELECTRODES.
2. ALL STEEL IS AASHTO M270, GRADE 50.
3. USE 3 KSI GROUT.
4. LOCATE ANCHORS WITH PACHOMETER TO MISS REINFORCEMENT STEEL.
5. ~~PAINT STRUCTURAL STEEL IN ACCORDANCE WITH PUBLICATION 400, SECTION 1000.~~
6. CONTRACTOR TO ESTABLISH DIMENSION BASED ON JACK HEIGHT AND CLEARANCE REQUIRED TO INSTALL/REMOVE THE JACK.



INSTALLATION PROCEDURE:

1. INSTALL TEMP SUPPORT COLUMN AT PIER 1 WEST COLUMN AND PIER 3 EAST COLUMN.
2. EXCAVATE MATERIAL ON TOP OF FOOTING AS NEEDED TO PLACE TEMP SUPPORT COLUMN IN ACCORDANCE WITH OSHA REQUIREMENTS.
3. GROUT ON TOP OF FOOTING TO PROVIDE A LEVEL SURFACE TO PREPARE FOR INSTALLATION OF TEMP SUPPORT COLUMN
4. COLUMN TO BE INSTALLED PLUMB. COLUMN TO BE ANCHORED INTO TOP OF FOOTING AND BOTTOM OF PIER CAP AS SHOWN IN SKETCHES.
5. INSTALL BRACED CONNECTION TO EXISTING INTERIOR COLUMN AS SHOWN IN SKETCHES.
6. JACK TO 200 K LOAD AND INSTALL U-SHIMS.
7. WELD U-SHIMS TO EACH OTHER AND TO TOP AND BOTTOM 2' PLATES.
8. REMOVE JACK AFTER WELDING U-SHIMS.

PIER 1:
 MAX FACTORED AXIAL LOAD ON TEMP SUPPORT = 872 K
 HP14x117 AXIAL CAPACITY (17.67' COLUMN HT) = 1489 K

PIER 2:
 MAX FACTORED AXIAL LOAD ON TEMP SUPPORT = 747 K
 HP14x117 AXIAL CAPACITY (25' COLUMN HT) = 1357 K

PIER 3:
 MAX FACTORED AXIAL LOAD ON TEMP SUPPORT = 1033 K
 HP14x117 AXIAL CAPACITY (31' COLUMN HT) = 1229 K

PIER 6:
 MAX FACTORED AXIAL LOAD ON TEMP SUPPORT = 1188 K
 HP14x117 AXIAL CAPACITY (19' COLUMN HT) = 1468 K

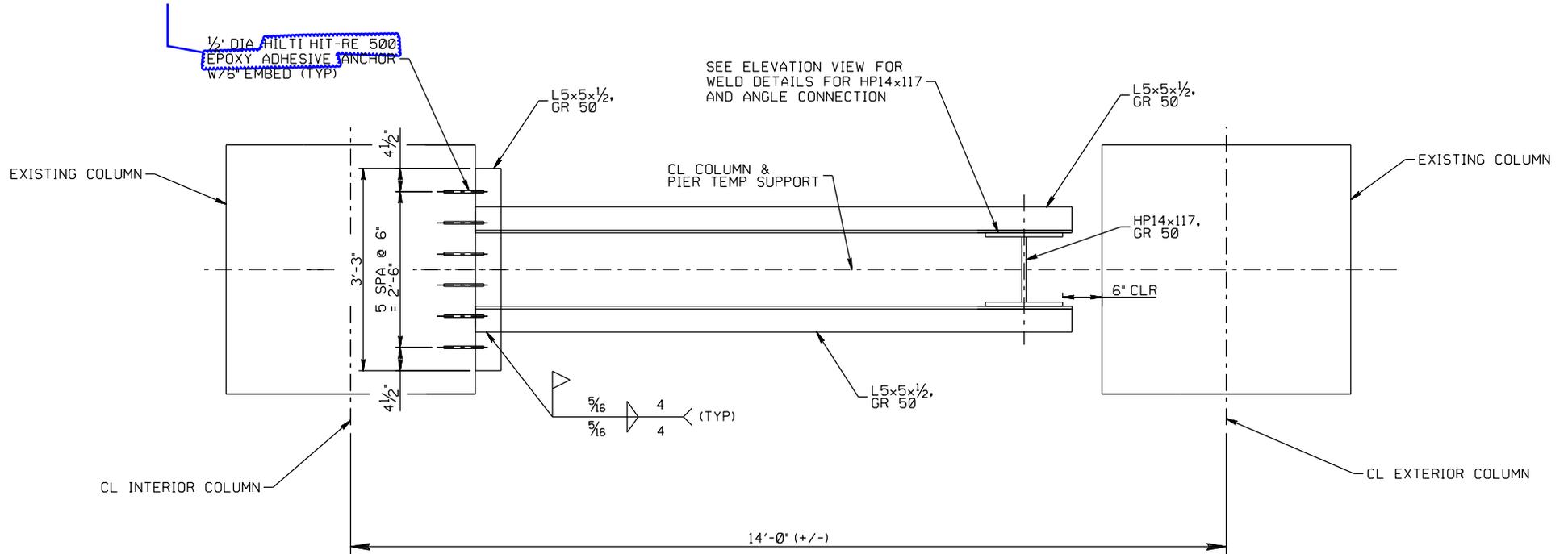
Jacked to 5000 psi

9/22/2025 As-built

BRACED CONNECTION DETAIL

(NOT TO SCALE)

Dural Fast Set LV



NOTES:

1. USE ASTM F1554 GR. 55, 1/2" DIAMETER ANCHORS.
2. LOCATE ANCHORS WITH PACHOMETER TO MISS REINFORCEMENT STEEL.
3. DRILL HOLES FOR ANCHORS USING A CARBIDE TIPPED HAMMER DRILL BIT. FOLLOW INSTALLATION PROCEDURES AND HOLE PREPARATION GUIDELINES IN ACCORDANCE WITH ANCHOR MANUFACTURER.

MAX FACTORED TENSION LOAD PER ANCHOR (6 TOTAL) = 4.0 K

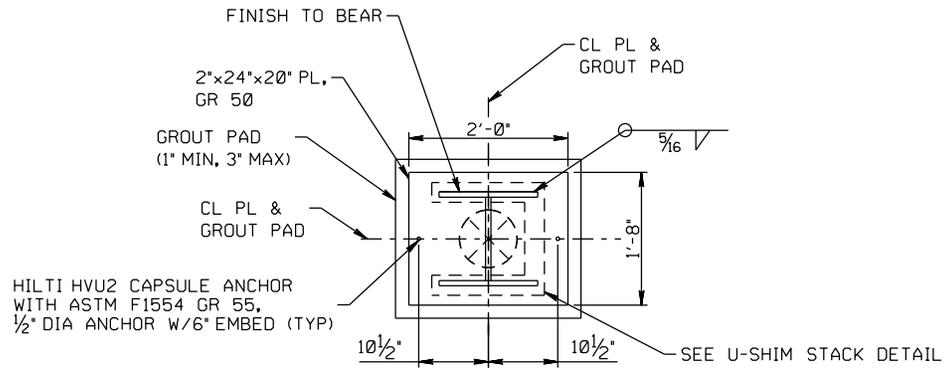
TENSILE DESIGN STRENGTH OF 1/2" DIA HILTI HIT-RE 500 EPOXY ADHESIVE ANCHOR WITH SHOWN SPACING AND 6" EMBEDMENT = 4.4 K

STEEL DESIGN STRENGTH OF 1/2" DIA HILTI HIT-RE 500 EPOXY ADHESIVE ANCHOR WITH SHOWN SPACING AND 6" EMBEDMENT = 7.9 K

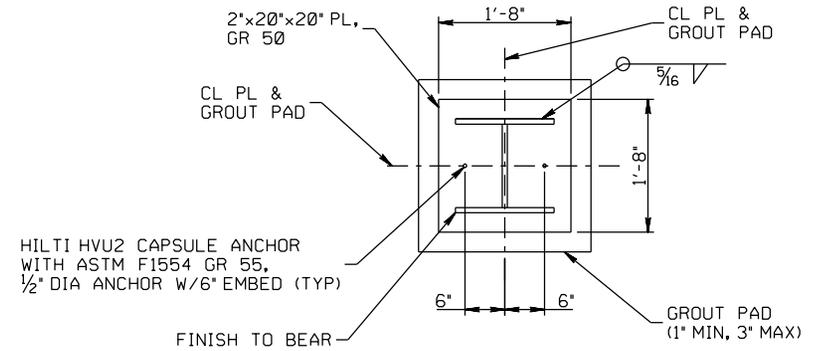
Dural Fast Set LV has stronger cured material properties than Hilti Hit-RE 500.

BY: MAW DATE: 6/24/2025

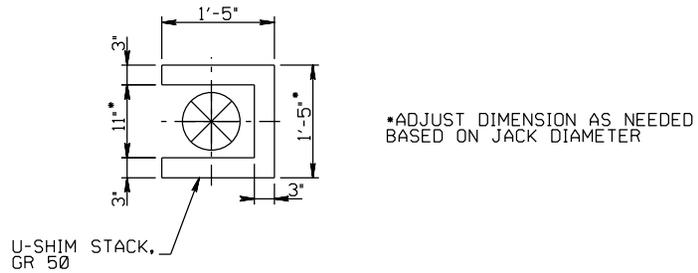
Checked: JRB 6/25/2025



SECTION A-A
(NOT TO SCALE)



SECTION B-B
(NOT TO SCALE)



U-SHIM STACK DETAIL
(NOT TO SCALE)

NOTE:
AFTER JACKING, TACK WELD SHIMS TOGETHER
AND TO TOP AND BOTTOM PLATES.