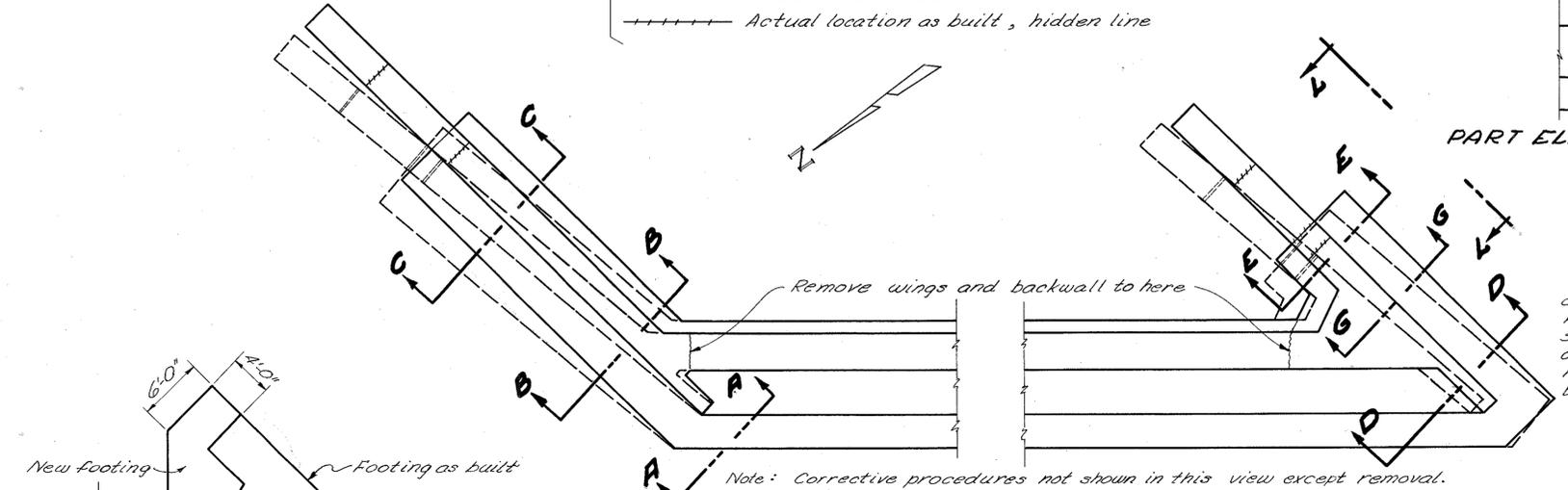


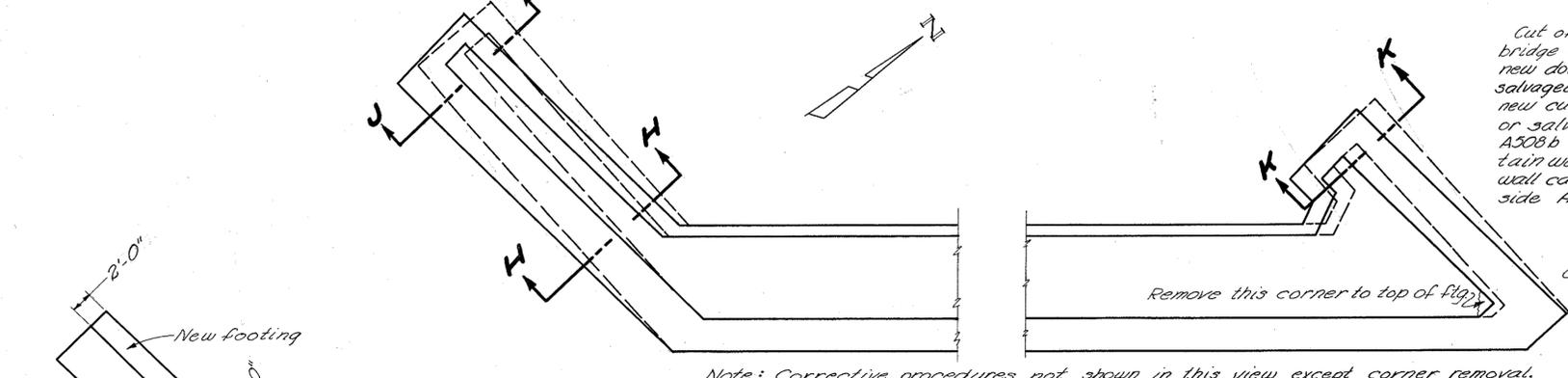
Legend for Plans

- Correct location
- - - - Correct location, hidden line
- Actual location as built
- - - - Actual location as built, hidden line



PLAN ABUTMENT NO. 1
(See Sh. 464 for dimensions.)

PART PLAN ~ ABUT. NO. 1, SOUTH END SHOWING NEW FOOTING



PLAN ABUTMENT NO. 2
(See Sh. 465 for dimensions.)

PART PLAN ~ ABUT. NO. 2, SOUTH END SHOWING NEW FOOTING

CORRECTIVE PROCEDURE

GENERAL:

- Footings shall be extended where shown.
- Reinforcing steel in portions of abutments required to be removed and replaced shall be new bars of the size and length called for on the original abutment drawings unless salvage of bars is possible, or unless new bars of different lengths are called for hereon.
- Where it is not possible to provide the number of bars at the spacing shown on the original abutment drawings by lapping bars projecting from the portions of abutments already placed, new bars shall be used. At the back face of new walls, dowel bars shall be inserted 1'-3" into existing concrete and shall project 1'-7". Dowel bars are not required at front face of walls.
- Where new concrete is placed next to existing walls and footings, the new concrete shall be anchored to the existing concrete by means of 3/8"x1'-0" expansion type anchor bolts placed in horizontal drilled holes at 2'-0" vertical & horizontal. These anchor bolts shall be embedded 4" into the existing concrete.

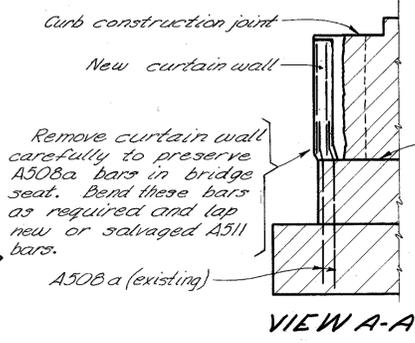
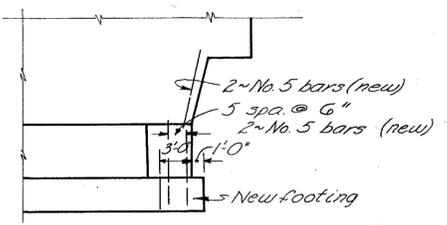
ABUTMENT No. 1

- NORTH WING:**
Remove entire wingwall, curtain wall, and portion of backwall indicated on drawing down to bridge seat construction joint, Elev. 851.36. Rebuild to correct location as shown in Sections A-A, B-B, and C-C.
- SOUTH WING:**
Remove entire wing wall, curtain wall, and portion of backwall indicated on drawing down to bridge seat construction joint, Elev. 853.56. Rebuild to correct location as shown in Sections D-D, E-E, and G-G, and Part Elevation View L-L, and the Part Plan.

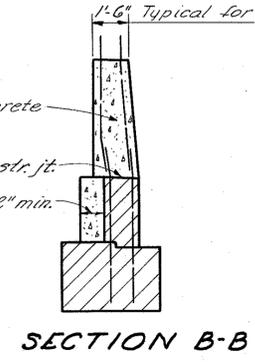
ABUTMENT No. 2

- SOUTH WING:**
Rebuild as shown in Sections H-H and J-J, and the Part Plan.
- NORTH WING:**
Remove corner of bridge seat as shown in plan. Rebuild to correct location as shown in Section K-K.

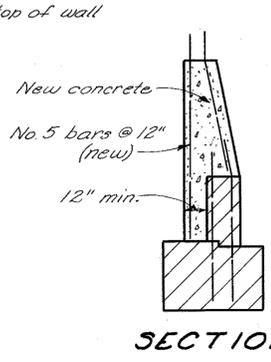
PART ELEVATION ~ VIEW L-L



VIEW A-A

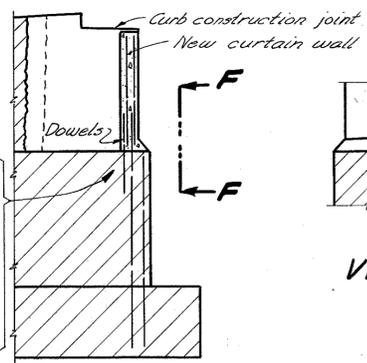


SECTION B-B

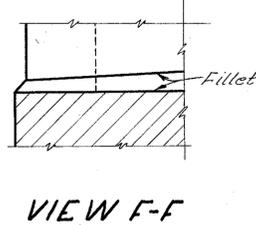


SECTION C-C

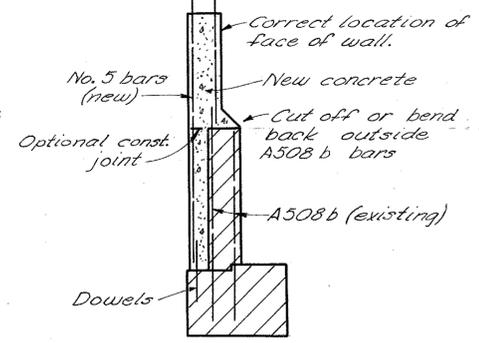
Cut off outside A508b bars at bridge seat level. Place three new dowels in seat, lap new or salvaged A511 bars for inside of new curtain wall. Lap three new or salvaged A511 bars to inside A508b bars for outside of curtain wall. Remove curtain wall carefully to preserve inside A508b bars.



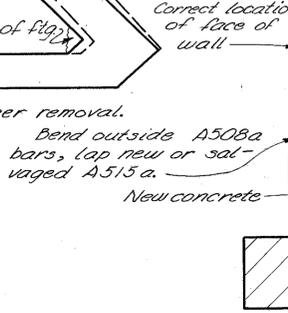
SECTION D-D



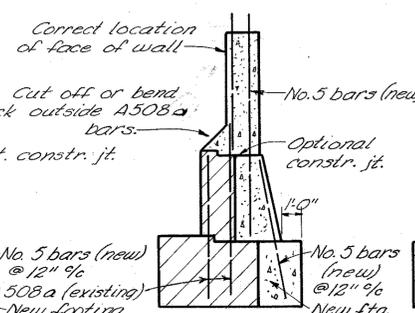
VIEW F-F



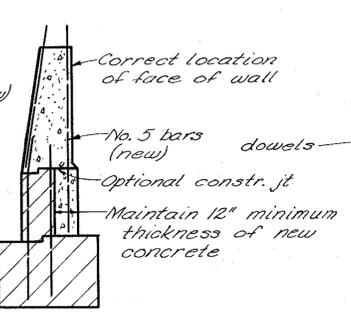
SECTION E-E



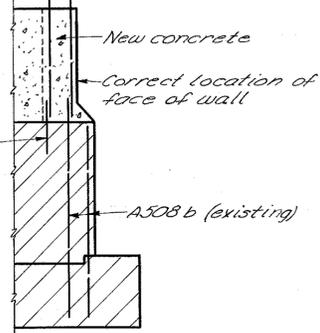
SECTION H-H



SECTION J-J



SECTION K-K



SECTION G-G

REASON FOR THIS REVISION:

Wing walls below curb construction joint at Abutment No. 1 and below bridge seat construction joint at Abutment No. 2 were incorrectly placed parallel to the reference chord.

This sheet supplements Sheets No. 464 & No. 465.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

ABUTMENTS REVISED
BRIDGE No. LAK-1-1644
S. R. 1 UNDER S. R. 86
LAKE COUNTY STA. 513+35.58

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
	WJH	LW		BFG	8-4-59	

Note: Cross hatching indicates portions of abutments which are already constructed and are not to be removed.