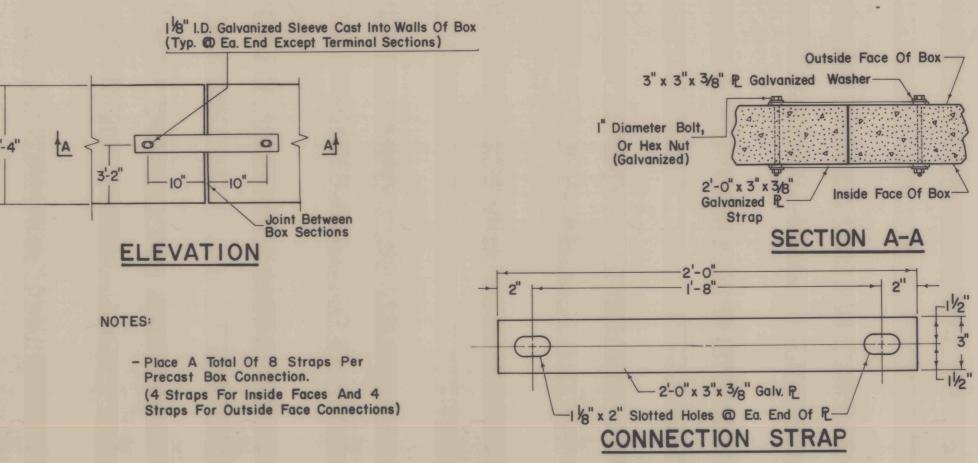


PAVEMENT AND TRENCH REPLACEMENT DETAILS



GALVANIZED STRAP CONNECTION DETAILS

GENERAL NOTES

MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PUBLICATION 408 (1990) AND THE CONTRACT SPECIAL PROVISIONS.

DESIGN DIVISION ONE OF 1989 AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES"
AND AS SUPPLEMENTED BY THE PENNA. DEPARTMENT OF TRANSPORTATION DESIGN MANUAL, PART 4, STRUCTURES (INCLUDING CURRENT REVISIONS / MAY 1991).

HS25 LOADING, MODIFIED 125 % MILITARY LOADING (2 AXLES OF 30 KIPS EACH AT 4'-0" C/C) OR 204 KIP PERMIT LOADING. (P-82), AASHTO GROUP IB.

USE CLASS A CEMENT CONCRETE IN HEADWALLS, FOOTINGS AND WINGWALLS. USE CEMENT CONCRETE WITH A 28 DAY COMPRESSIVE STRENGTH OF 5,000 P.S.I. IN CONSTRUCTING PRECAST BOX SECTIONS.

REFER TO SECTION 1085 OF PUBLICATION 408 FOR THE CONSTRUCTION OF THE PRECAST CONCRETE BOX CULVERT. PAYMENT FOR THE PRECAST REINFORCED CONCRETE BOX CULVERT INCLUDES THE INSTALLATION OF ANY PROTECTIVE COATING. PROVIDE CONCRETE COVER ON REINFORCING BARS AS NOTED HEREIN. CHAMFER EXPOSED CONCRETE EDGES I" x I" EXCEPT AS NOTED.

PROVIDE DEFORMED REINFORCEMENT STEEL MEETING THE REQUIREMENTS OF ASTM DESIGNATION 615, 616, OR 617, GRADE 60 AS SET FORTH IN PUBLICATION 408. IN PRECAST BOX SECTIONS, USE FLAT SHEET WELDED WIRE FABRIC CONFORMING TO AASHTO M221 WITH THE FOLLOWING

ADDITIONAL PROPERTIES: MINIMUM YIELD STRENGTH OF 65,000 PSI.

MAXIMUM SPACING OF CIRCUMFERENTIAL WIRE IS 4 INCHES.

MINIMUM SPACING OF CIRCUMFERENTIAL WIRE IS 2 INCHES (3 INCHES PREFERRED).

PROVIDE REINFORCEMENT STEEL LAP SPLICE LENGTHS AND EMBEDMENT LENGTHS

CUTOFF WALL AND WINGWALL FOOTINGS MAY BE ORDERED BY THE ENGINEER TO BE AT ANY ELEVATION OR OF ANY DIMENSIONS NECESSARY TO PROVIDE A PROPER FOUNDATION. NOTIFY ALL INVOLVED UTILITY COMPANIES PRIOR TO STARTING WORK. UTILITIES WILL NOT BE DISTURBED OR ENDANGERED DURING CONSTRUCTION OPERATIONS.

THE FOLLOWING AREAS OF CULVERT REQUIRE THE APPLICATION OF A TWO-COAT PROTECTIVE COATING IN ACCORDANCE WITH SECTION 1085.3 (n) OF PUBLICATION 408:

ENTIRE HEIGHT OF TWO OUTSIDE WALLS IN AREAS NOT COVERED BY PROPRIETARY MEMBRANE WATERPROOFING. TOP OF BOTTOM SLAB AND BOTTOM 18" OF ALL INSIDE WALLS

USE EPOXY BONDING COMPOUND WHEREVER C.I.P. CEMENT COMES IN CONTACT WITH PRECAST CEMENT CONCRETE. COMPOUND SHALL BE TYPE 2, GRADE 2, CONFORMING TO ASTM-C881-78

MAXIMUM DESIGN FOUNDATION PRESSURE: WINGS = 1.4 TSF, BOX = 0.75 TSF MAXIMUM ALLOWABLE FOUNDATION PRESSURE = 4.0 TSF

NO. DATE SUBMITTED CHIEF, DESIGN SECTION, WILKES-BARRE APPROVED DIRECTOR, BUREAU OF ABANDONED MINE RECLAMATION THEODORE J. FISHER, JR. ENGINEER / COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES PROJECT NO. OSM 54(3629)103.1 BACKFILLING STRIP PITS AND SLOPES SCHUYLKILL COUNTY, PENNSYLVANIA

DRAWN BY 9. 2. 3. DATE Aug. 9, 1990 ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED Not To Scale CHECKED BY AND VERIFIED BY CONTRACTOR でJ.Q

AT THE SITE.

CROSS SECTIONS AND DETAILS 6 of 10

HECKSCHERVILLE

CASS TOWNSHIP

APPR.

REVISION

Dennis M. Galladino

Theodore & Fisher