

SURVEYED BY _____
 SUPERVISED BY _____
 DESIGNED BY _____

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	FEDERAL AID		STATE		SHEET NO.
		PROJECT	ROUTE	PROJECT	PROJECT	
	VA.					

NO PROJECTION OF PIPE ARCH ABOVE GROUND LINE

PIPE ARCH PROJECTION ABOVE GROUND LINE

NOTE:
 FOR GENERAL NOTES ON PIPE BEDDING, SEE INSTALLATION OF PIPE CULVERTS AND STORM SEWERS GENERAL NOTES ON SHEET 107.00.
 CRUSHED CLASS CONFORMING TO THE SIZE REQUIREMENTS FOR CRUSHER RUN AGGREGATE SIZE 25 AND 26 MAY BE USED IN PLACE OF CLASS I BACKFILL.

LEGEND:
 BEDDING MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.
 CLASS I BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.
 REGULAR BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.
 EMBANKMENT

INSTALLATION OF PIPE CULVERTS AND STORM SEWERS
PIPE ARCH BEDDING AND BACKFILL
 VIRGINIA DEPARTMENT OF TRANSPORTATION

SHEET 3 of 4
 REV 8/07
 107.03

INSTALLATION OF BOX CULVERTS

H = HEIGHT OF COVER MEASURED FROM TOP OF CULVERT TO FINISHED GRADE.
 FOR NORMAL EARTH FOUNDATION:
 FOR PRECAST AND CAST IN PLACE BOX CULVERT b = 6"
 FOR ROCK FOUNDATION:
 FOR PRECAST BOX CULVERT b = 1/4" PER 12" OF DEPTH AS SHOWN ON PLANS OR WHERE NO BEDDING IS SPECIFIED BOTTOM SLAB TO BE KEYS INTO EXISTING ROCK FOUNDATION.
 FOR SOFT, YIELDING OR OTHERWISE UNSUITABLE FOUNDATION:
 FOR PRECAST AND CAST IN PLACE BOX CULVERT b = DEPTH AS SHOWN ON PLANS OR TO FIRM BEARING SOIL.

LEGEND:
 BEDDING MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.
 REGULAR BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.
 EMBANKMENT

INSTALLATION OF BOX CULVERTS
BEDDING AND BACKFILL - METHOD "A"
 VIRGINIA DEPARTMENT OF TRANSPORTATION

SHEET 4 OF 4
 NEW. 1/04
 107.04

PLAN NO.	PROJECT	FILE NO.	SHEET NO.