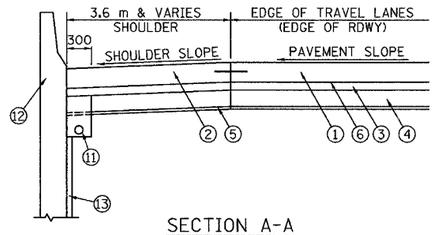
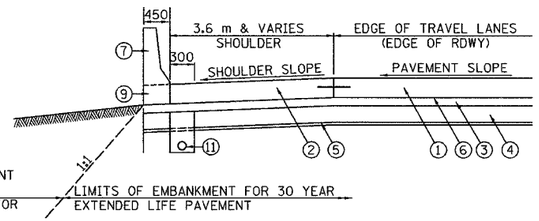
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-1	COOK	452	106
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

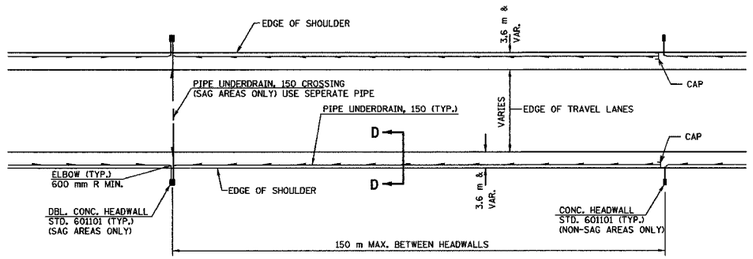
CONTRACT NO. 62113 INDOT DES. NO. 0100987



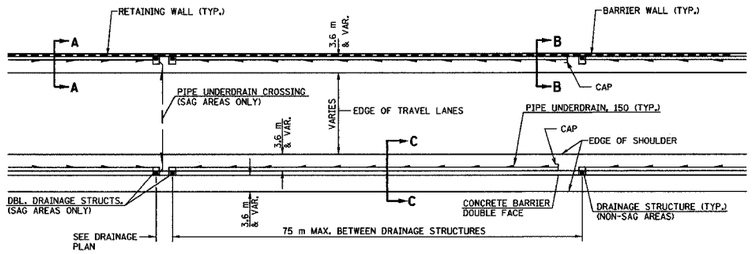
SECTION A-A
SHOWING RETAINING WALL



SECTION B-B
SHOWING CONCRETE BARRIER, SINGLE FACE



PROPOSED PLAN VIEW WITH OPEN DRAINAGE SYSTEM



PROPOSED PLAN VIEW WITH CLOSED DRAINAGE SYSTEM

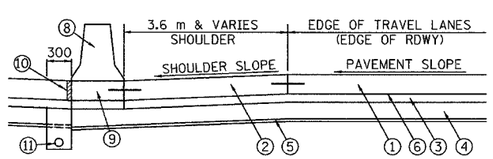
LEGEND

1. PROPOSED PAVEMENT
2. PORTLAND CEMENT CONCRETE SHOULDERS
3. STABILIZED SUBBASE - 150 mm
4. SUB-BASE GRANULAR MATERIAL, TYPE B - 300 mm
5. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
6. WHITE WASHING FOR CONCRETE PAVEMENT
7. CONCRETE BARRIER, SINGLE FACE
8. CONCRETE BARRIER, DOUBLE FACE
9. CONCRETE BARRIER BASE
10. BARRIER BASE OPEN JOINT (PJF)
11. PIPE UNDERDRAINS - 150 mm
12. RETAINING WALL
13. GEOCOMPOSITE WALL DRAIN
14. CONCRETE HEADWALLS FOR PIPE DRAINS (STD. 601101)
15. PIPE UNDERDRAINS (SPECIAL)
16. AGGREGATE SHOULDERS, TYPE B

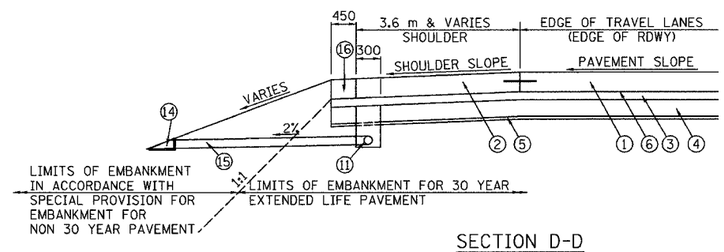
LEGEND
(COST INCLUDED IN PIPE UNDERDRAINS)

1A FABRIC ENVELOPE FOR PIPE UNDERDRAINS

2A POROUS GRANULAR BACKFILL (CA-16)



SECTION C-C
SHOWING CONCRETE BARRIER, DOUBLE FACE



SECTION D-D
SHOWING OPEN DRAINAGE

NOTE 1: NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR TRENCHING THROUGH AGGREGATE SUBGRADE, POROUS GRANULAR EMBANKMENT, SUBGRADE OR GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

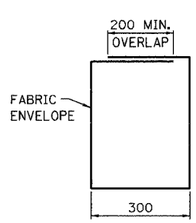
NOTE 2: DRAINAGE MATS WILL NOT BE ALLOWED.

NOTE 3: SEE TYPICAL SECTIONS AND ROADWAY PLANS FOR PAVEMENT AND SHOULDER TYPES, WIDTHS AND CROSS-SLOPES.

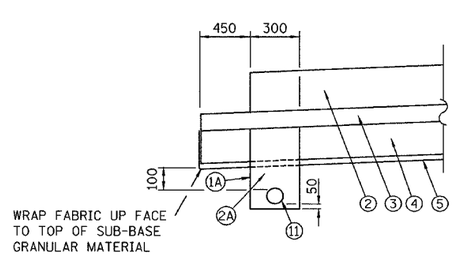
NOTE 4: SEE CONCRETE BARRIER DETAILS FOR REQUIRED TIE BARS OR REINFORCING BARS AND OTHER DETAILS.

NOTE 5: ADDITIONAL SUB-BASE GRANULAR MATERIAL UNDER THE CONCRETE BARRIER WILL NOT BE PAID FOR SEPERATELY BUT WILL BE INCLUDED IN THE SQUARE METER COST OF SUB-BASE GRANULAR MATERIAL, TYPE B.

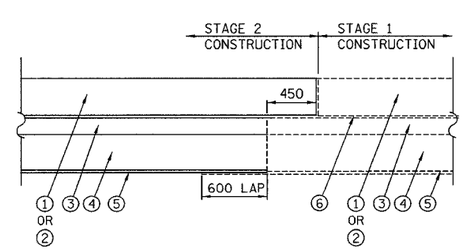
NOTE 6: ALL PIPE FITTINGS NECESSARY FOR THE INSTALLATION OF THE UNDERDRAIN SYSTEM WILL NOT BE PAID FOR SEPERATELY BUT WILL BE INCLUDED IN THE METER COST OF PIPE UNDERDRAINS, 150.



FABRIC ENVELOPE DETAIL



UNDERDRAIN TRENCH DETAIL



DETAIL FOR STAGE CONSTRUCTION OF THE SUBGRADE
(FOR 30 YEAR EXTENDED LIFE PAVEMENT)

LEGEND
STAGE 1
STAGE 2

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
ACE	06/04
ACE	6/9/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

PIPE UNDERDRAIN AND SUBGRADE DETAILS FOR OPEN AND CLOSED DRAINAGE SYSTEMS

SCALE NONE DRAWN BY ACE/CAD
DATE 07/04 CHECKED BY

AMERICAN CONSULTING ENGINEERS

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