

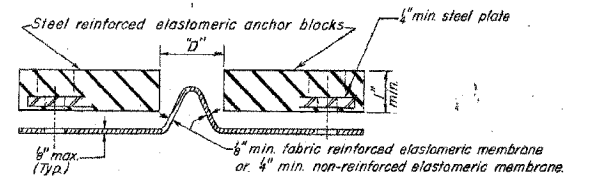
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 116	*	RICHLAND	31	15
STA.	TO STA.			
FED. ROAD DIST. NO.	BILLINGS	FED. AID PROJECT		

* D-7 Joint Repairs 2006-3

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 116	*	RICHLAND	31	15
STA.	TO STA.			
FED. ROAD DIST. NO.	BILLINGS	FED. AID PROJECT		

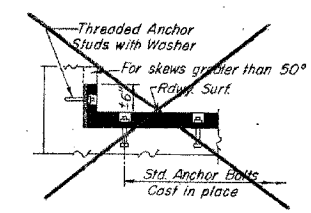
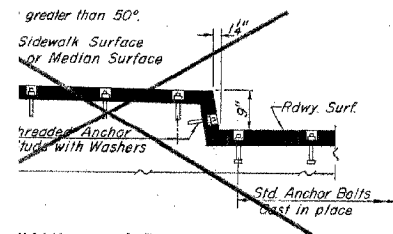
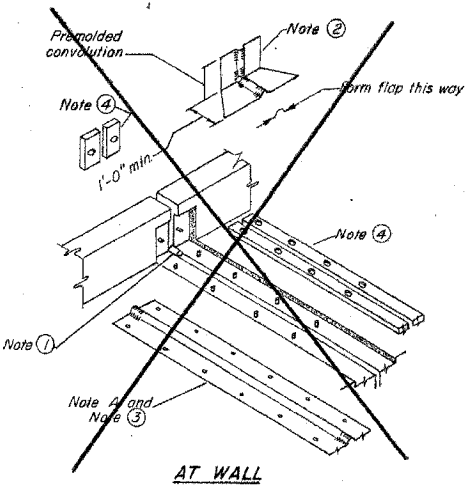
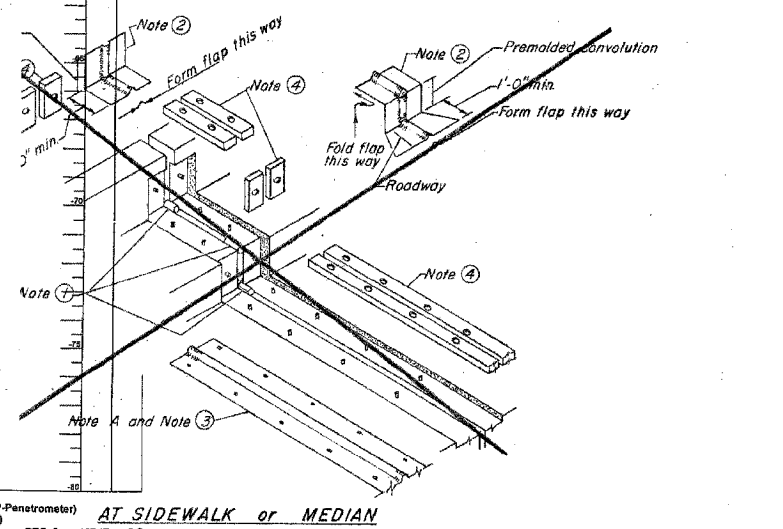
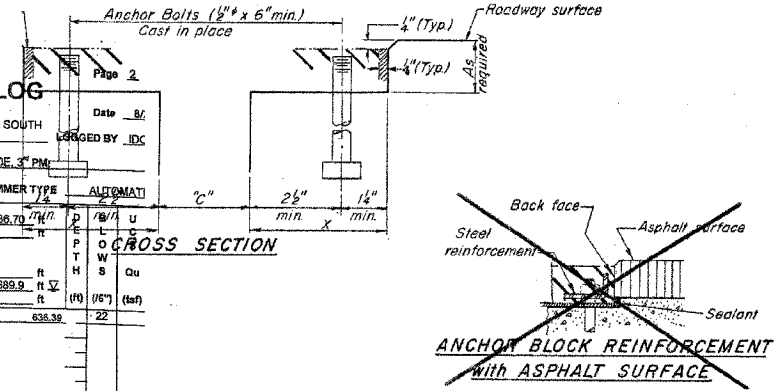
SHEET NO. 7
13 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane. See Special Provisions.
 The elastomeric membrane shall be pre-molded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.
 The steel reinforcement must extend up the back face of anchor blocks when asphalt surfaces are used but is optional in concrete blockout.
 The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.
 Joint openings shall be adjusted in accordance with Article 503.07(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.
 The parapet and sidewalk flaps may be furnished factory vulcanized to the roadway membrane provided the centerline of the convolution is maintained and the process and method meet the approval of the Engineer.



AT SIDEWALK or MEDIAN
VD TREATMENTS

AT WALL

CONTINUOUS SEAL TYPE
NEOPRENE EXPANSION JOINTS
For 2", 2 1/2" and 4" Movement
F.A. RTE. 116 SEC. 123 BR-3
RICHLAND COUNTY
STA. 897+00.00

Illinois Department of Transportation
SOIL BORING LOG
Page 1 of 2

ROUTE FA 28(US45) DESCRIPTION US ROUTE 45 OVER SPRING CREEK SOUTH OF BUCKLEY LOCATION SW 1/4, SEC. 3, TWP. 24N, RNG. 10E, 3rd PM
DATE 9/20/03 LOGGED BY JDOT-LM

SECTION 34 BR COUNTY IROQUOIS DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE	UNSATURATED WAT. CONTENT (%)	SHRINKAGE (%)	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)	UNSATURATED WAT. CONTENT (%)	SHRINKAGE (%)	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)
0-2	Stiff Gray CLAY TILL (continued)												
2-3	Stiff Brown SANDY CLAY LOAM (FILL)												
3-5	Stiff Brown SANDY CLAY LOAM (FILL)												
5-8	Stiff Brown SANDY CLAY LOAM (FILL)												
8-11	Stiff Brown SANDY CLAY LOAM (FILL)												
11-13	Stiff Brown SANDY CLAY LOAM (FILL)												
13-16	Soft Gray CLAY LOAM												
16-18	Soft Gray CLAY LOAM												
18-21	Hard Brown SANDY CLAY LOAM TILL												
21-23	Hard Gray CLAY LOAM TILL												
23-25	Stiff Gray CLAY TILL												
25-28	Stiff Gray CLAY TILL												
28-30	Stiff Gray CLAY TILL												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
SOIL BORING LOG
Page 2

ROUTE FA 28(US45) DESCRIPTION US ROUTE 45 OVER SPRING CREEK SOUTH OF BUCKLEY LOCATION SW 1/4, SEC. 3, TWP. 24N, RNG. 10E, 3rd PM
DATE 9/20/03 LOGGED BY JDC

SECTION 34 BR COUNTY IROQUOIS DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE	UNSATURATED WAT. CONTENT (%)	SHRINKAGE (%)	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)	UNSATURATED WAT. CONTENT (%)	SHRINKAGE (%)	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)
0-2	Stiff Brown Layers of SILT, CLAY & FINE SAND (continued)												
2-3	Very Stiff Brown CLAY LOAM TILL												
3-4	Very Stiff Brown CLAY LOAM TILL												
4-5	Very Stiff Brown CLAY LOAM TILL												
5-8	Dense Brown Fine to Coarse GRAVEL												
8-11	Dense Brown Fine to Coarse GRAVEL												
11-13	Medium Gray SANDY LOAM TILL												
13-16	Medium Gray SANDY LOAM TILL												
16-18	Medium Gray SANDY LOAM TILL												
18-21	Dense Brown Fine SAND to Coarse GRAVEL to COBBLE SIZE												
21-23	Dense Brown Fine SAND to Coarse GRAVEL to COBBLE SIZE												
23-25	Dense Brown Fine SAND to Coarse GRAVEL to COBBLE SIZE												
25-28	Dense Brown Fine SAND to Coarse GRAVEL to COBBLE SIZE												
28-30	Dense Brown Fine SAND to Coarse GRAVEL to COBBLE SIZE												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

ESCA
CONSULTANTS, INC.

DESIGNED BY: ELH 12/04
 DRAWN BY: RJT 01/05
 CHECKED BY: ELH 11/05
 APPROVED BY: RDP 11/05