

**EXISTING LEGEND**

- (A) EXISTING TOPSOIL
- (B) EXISTING AGGREGATE SHOULDER
- (C) EXISTING ASPHALT SHOULDER
- (D) EXISTING GRANULAR SUB-BASE, 6"
- (E) EXISTING REINFORCED CONCRETE PAVEMENT, 10"
- (F) EXISTING ASPHALT OVERLAY
- (G) EXISTING CONCRETE MEDIAN
- (H) EXISTING STEEL BEAM GUARDRAIL

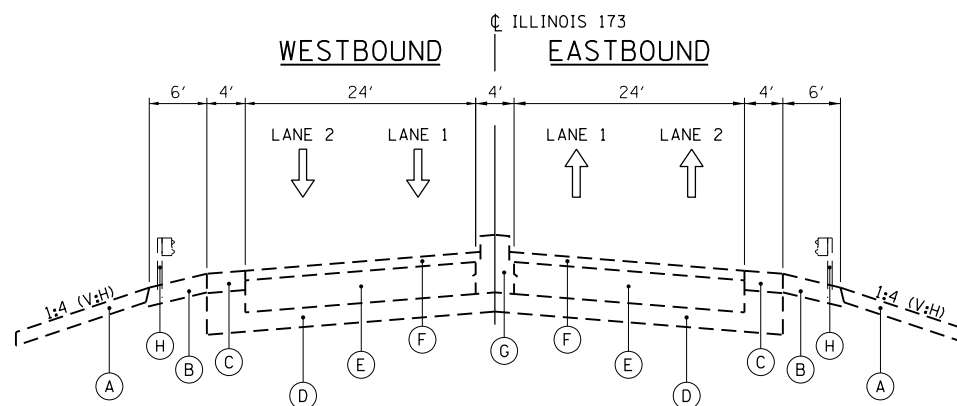
**PROPOSED LEGEND**

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED) (42000411)
- (2) CONCRETE MEDIAN SURFACE, 6 INCH (60618320)
- (3) STABILIZED SUBBASE - HOT MIX ASPHALT, 4 1/2" (31200502)
- (4) TOPSOIL EXCAVATION AND PLACEMENT (21101505) (4")
- (5) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
  - (5a) 3" CA-6 AGGREGATE CAP (THICKNESS VARIES UNDER SHOULDER)
  - (5b) 9" PGE
- (6) PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2" (48300410)
- (7) EMBANKMENT MATERIAL AS NEEDED (SEE CROSS SECTIONS)
- (8) CONCRETE MEDIAN, TYPE SB (SPECIAL) (X6061100)
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- (10) PIPE UNDERDRAINS 6" (60107700) (SEE IDOT STANDARD 601001-04)
- (11) LONGITUDINAL SAWED OR CONSTRUCTION JOINT.
 

FOR LONGITUDINAL SAWED JOINT, POUR IN PLACE NO. 6 DEFORMED EPOXY TIE BARS 30" LONG AT 30" C-C. FOR LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 6 DEFORMED EPOXY TIE BARS 24" LONG AT 24" C-C. (SHALL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED))
- (12) LONGITUDINAL KEYED CONSTRUCTION JOINT PER STD. 420001 (SHALL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED))
- (13) LONGITUDINAL CONSTRUCTION JOINT.
 

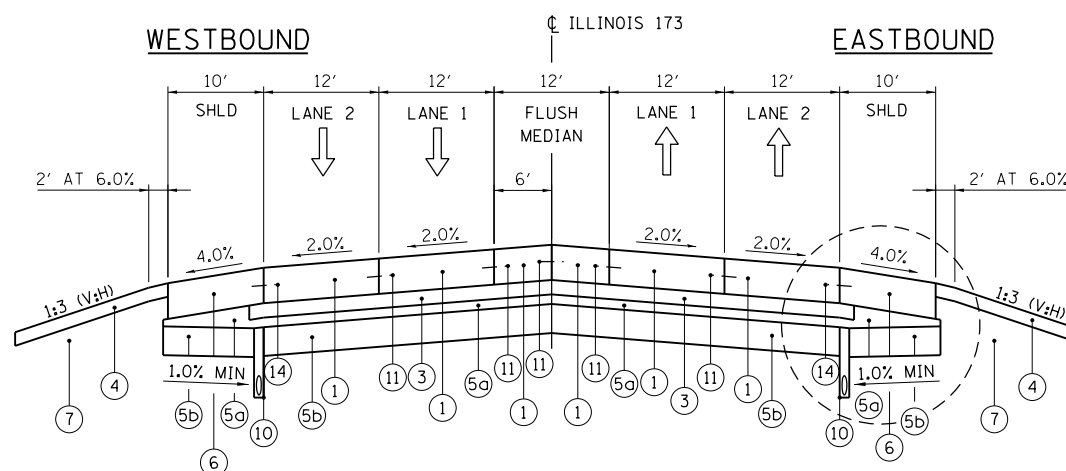
DRILL AND GROUT NO. 6 DEFORMED EPOXY TIE BARS 24" LONG AT 24" C-C. (SHALL BE INCLUDED IN THE COST OF THE APPLICABLE COMB. CONC. CURB & GUTTER TYPE)
- (14) LONGITUDINAL CONSTRUCTION JOINT.
 

DRILL AND GROUT NO. 6 DEFORMED EPOXY TIE BARS 24" LONG AT 24" C-C. (SHALL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SHOULDERS, 9 1/2")
- (15) AGGREGATE BASE COURSE, TYPE B (35101500)
- (16) TOPSOIL FURNISH AND PLACE, 24" (21101685)
- (17) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 (X6063600)
- (18) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- (19) HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL (Z0005216)
- (20) RETAINING WALL (SEE STRUCTURAL PLANS)



**WB EXISTING / EB EXISTING**

STA 2016+08.15 TO STA 2051+71.59

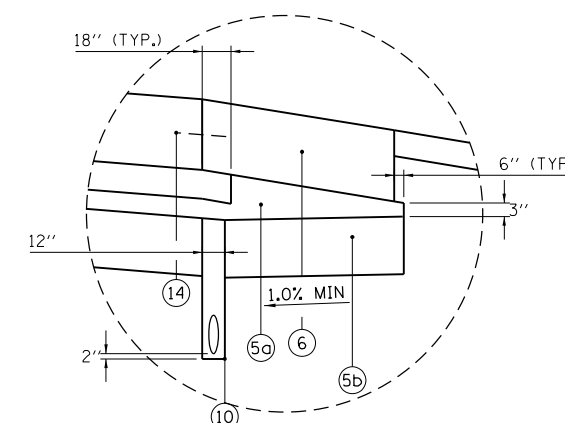


**WB PROPOSED / EB PROPOSED**

STA 2016+08.15 TO STA 2019+24.19

**ILLINOIS 173 - STRUCTURAL PAVEMENT DESIGN BLOCK**

STRUCTURAL DESIGN TRAFFIC:	YEAR 2013
PV = 15,122	SU = 322 MU = 643
ROAD/STREET CLASSIFICATION:	CLASS I
P = 32%	S = 45% M = 45%
TRAFFIC FACTOR:	ACTUAL TF = 6.7 AC TYPE = N/A
	MINIMUM TF = 7.54
PG GRADE:	BINDER = N/A SURFACE = N/A
SUBGRADE SUPPORT RATING:	SSR = POOR (STA 2016+08 TO STA 2051+72 NB)



TYPICAL SUB-GRADE AND SUB-BASE PLACEMENT UNDER SHOULDER

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

FILE NAME = #FILES#	USER NAME = default	DESIGNED - JMG	REVISED -
		DRAWN - JMG	REVISED -
	PLOT SCALE = H=1"=10' V=1"=5'	CHECKED - RGR	REVISED -
	PLOT DATE = 6/20/2012	DATE - 6/19/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS - ILLINOIS 173**

SCALE: NA SHEET NO. 12 OF 15 SHEETS STA. NA TO STA. NA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	49-1-R-1	LAKE	677	40
CONTRACT NO. 60L77				
ILLINOIS FED. AID PROJECT				

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