

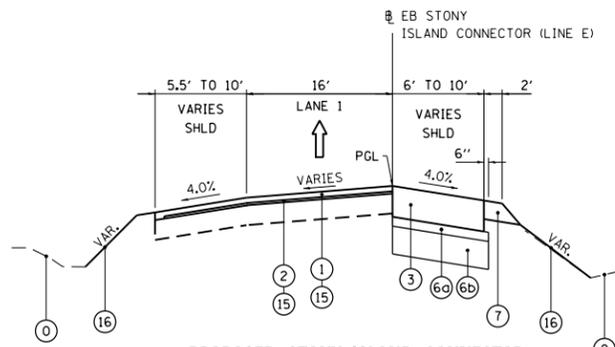
**EXISTING:**

- (A) EXISTING 9" CONTINUOUSLY REINFORCED PCC PAVEMENT
- (B) EXISTING HMA OVERLAY
- (C) EXISTING 4" STABILIZED SUBBASE
- (D) EXISTING TEMPORARY CONCRETE BARRIER WALL
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (F) EXISTING CONCRETE CURB TYPE B
- (G) EXISTING GRASS MEDIAN
- (H) NOT USED
- (I) EXISTING 10" PCC BASE
- (J) NOT USED
- (K) EXISTING STABILIZED SHOULDERS, VARIES 12"-14"
- (L) EXISTING AGGREGATE SHOULDERS
- (M) EXISTING 9" PCC BASE
- (N) EXISTING STEEL GUARDRAIL
- (O) EXISTING TOPSOIL

**PROPOSED:**

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4 "
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4 " & VARIES
- (3) HOT-MIX ASPHALT SHOULDERS, 10" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4 " HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 8 1/4 "
- (4) PCC PAVEMENT 9" (JOINTED)
- (5) AGGREGATE BASE COURSE, TYPE B 6"
- (6) AGGREGATE SUBGRADE IMPROVEMENT
- (6a) 3" CA-6 AGGREGATE CAP
- (6b) 9" POROUS GRANULAR EMBANKMENT
- (7) AGGREGATE SHOULDERS, TYPE B, 6"
- (8) COMBINATION CONCRETE CURB AND GUTTER, B-6.18
- (9) PCC PAVEMENT 10 1/2" (JOINTED)
- (10) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2 "
- (11) STEEL PLATE BEAM GUARDRAIL, TY. A 6 FT POSTS
- (12) CONCRETE CURB, TYPE B
- (13) CONCRETE BARRIER, DOUBLE FACE, 42 IN. HEIGHT
- (14) PCC SHOULDERS 10 1/2"
- (15) BITUMINOUS MATERIALS (PRIME COAT)
- (16) REGRADING AND LANDSCAPING TOPSOIL EXCAVATION AND PLACE, 6" SEEDING, CLASS 2A
- (17) HMA SURFACE REMOVAL, 2 1/2 "
- (18) PAVED SHOULDER REMOVAL
- (19) PCC SHOULDERS 9"
- (20) DRILL AND GROUT NO. 6 TIE BARS AT 30" CTS (STAGGERED SIDE BY SIDE) INCLUDED IN COST OF CONCRETE BARRIER, DOUBLE FACE, 42 IN. HEIGHT
- (21) CONCRETE BARRIER, VARIABLE CROSS-SECTION, 42" HEIGHT
- (22) LEVELING BINDER (MACHINE METHOD), N70
- (23) HMA SURFACE REMOVAL, VARIABLE DEPTH
- (24) COMBINATION CONCRETE CURB AND GUTTER, B-6.24
- (25) EXCESS PAVEMENT REMOVAL
- (26) CONCRETE BARRIER BASE
- (27) LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 6 DEFORMED TIE BARS 24" LONG AT 24" C-C. (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2" OR 9")
- (28) 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. INCLUDED IN COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" OR 9" (JOINTED)
- (29) PIPE UNDERDRAINS 6"

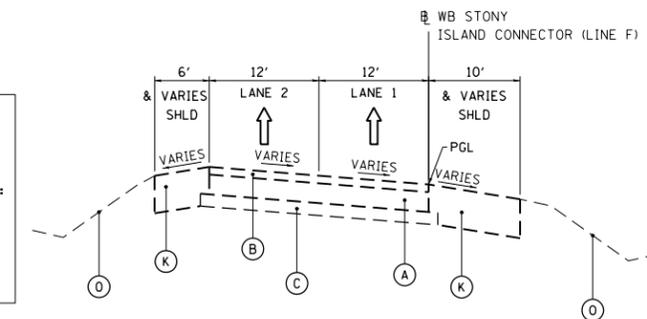
BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com



**PROPOSED STONY ISLAND CONNECTOR**

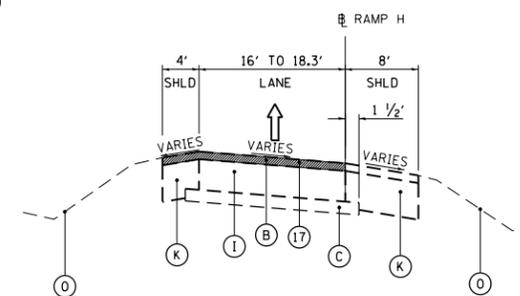
EB (LINE E): STA 224+87.94 TO STA 226+45.60  
LOOKING NORTH

WB STONY ISLAND (LINE F)		
STRUCTURAL DESIGN TRAFFIC:	YEAR 2013	
PV=10,530	SU=1,170	MU=1,300
ROAD/STREET CLASSIFICATION:	CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P=100% S=100% M=100%	
TRAFFIC FACTOR:	ACTUAL TF=21.50 MINIMUM TF=4.13	
SUBGRADE SUPPORT RATING:	SSR=POOR	



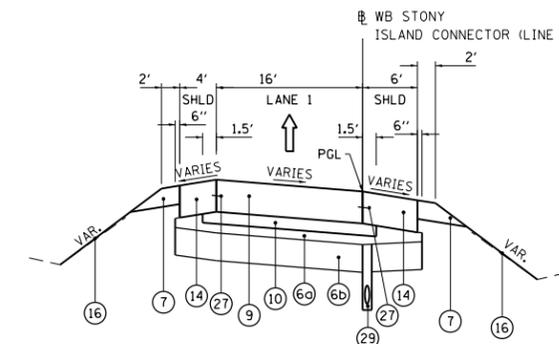
**EXISTING STONY ISLAND CONNECTOR**

WB (LINE F): STA 908+43 TO STA 909+26.74  
LOOKING SOUTH/ WEST



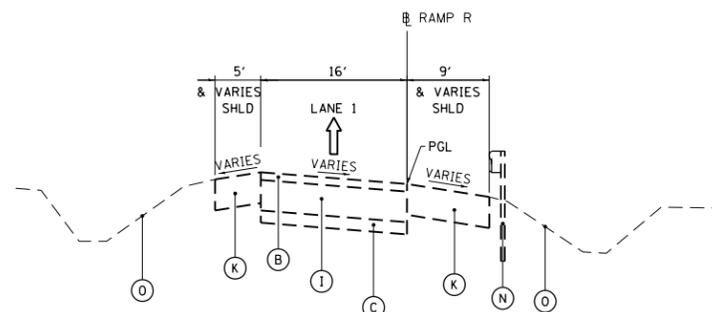
**EXISTING RAMP H**

STA 104+90.38 TO STA 111+06.71  
LOOKING NORTH



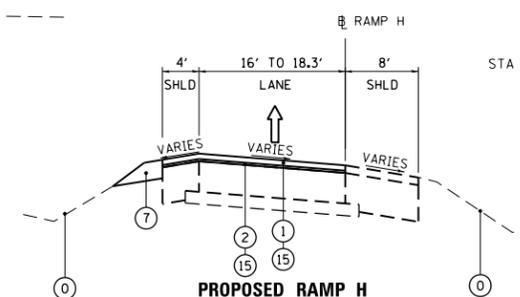
**PROPOSED STONY ISLAND CONNECTOR**

WB (LINE F): STA 900+00.00 TO STA 909+26.74  
LOOKING SOUTH/WEST



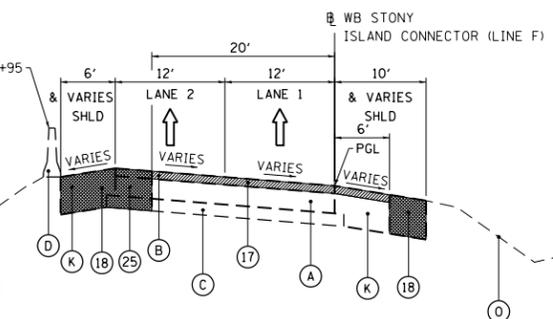
**EXISTING RAMP R**

STA 607+00 TO STA 611+47.60  
LOOKING EAST



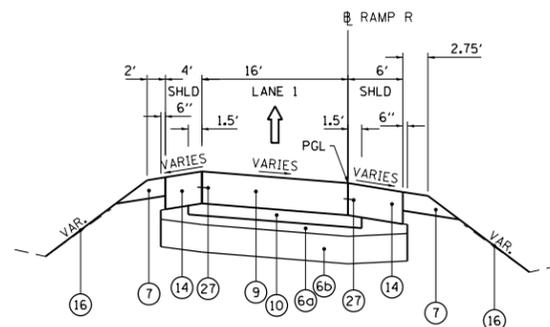
**PROPOSED RAMP H**

STA 104+90.38 TO STA 111+06.71  
LOOKING NORTH



**EXISTING STONY ISLAND CONNECTOR**

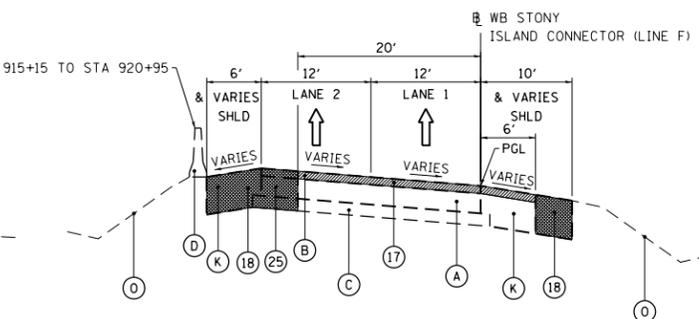
WB (LINE F): STA 909+26.74 TO STA 920+70  
LOOKING SOUTH/ WEST



**PROPOSED RAMP R**

STA 606+95 TO STA 611+47.60  
LOOKING EAST

RAMP R		
STRUCTURAL DESIGN TRAFFIC:	YEAR 2013	
PV= 7,776	SU= 864	MU= 960
ROAD/STREET CLASSIFICATION:	CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P=100% S=100% M=100%	
TRAFFIC FACTOR:	ACTUAL TF=15.88 MINIMUM TF=4.59	
SUBGRADE SUPPORT RATING:	SSR=POOR	



**PROPOSED STONY ISLAND CONNECTOR**

WB (LINE F): STA 909+26.74 TO 920+95.00  
LOOKING SOUTH/ WEST

FILE NAME =  
\*FILE\*

USER NAME = default  
DESIGNED - RTF  
DRAWN - RTF  
PLOT SCALE = \*SCALE\*  
PLOT DATE = 3/29/2013

REVISI -  
REVISI -  
REVISI -  
REVISI -

DATE - 03/29/2013

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
RAMPS

SCALE: N/A SHEET NO. 6 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	32
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60J12