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

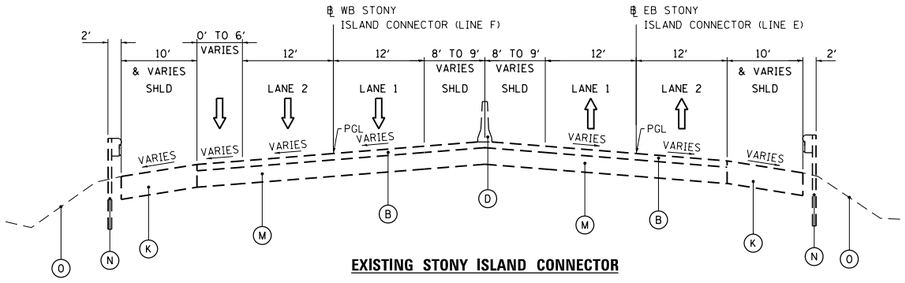
(26) CONCRETE BARRIER BASE

(27) LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 6 DEFORMED TIE BARS 24" LONG AT 24" C-C. (INCLUDED IN THE COST OF POTLAND CEMENT CONCRETE SHOULDERS 10 ½" 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 DEFORMD EPOXY TIE BARS 24" LONG AT 24" C-C. INCLUDED IN COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10 ½" OR 9" (JOINTED)

(29) PIPE UNDERDRAINS 6"

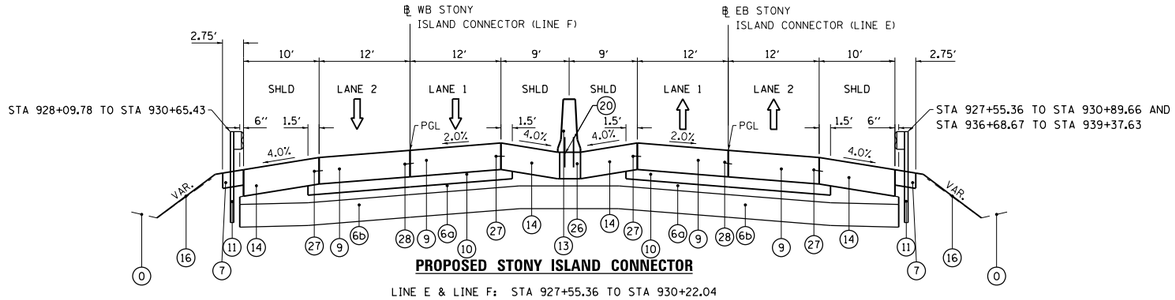
BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com



EXISTING STONY ISLAND CONNECTOR

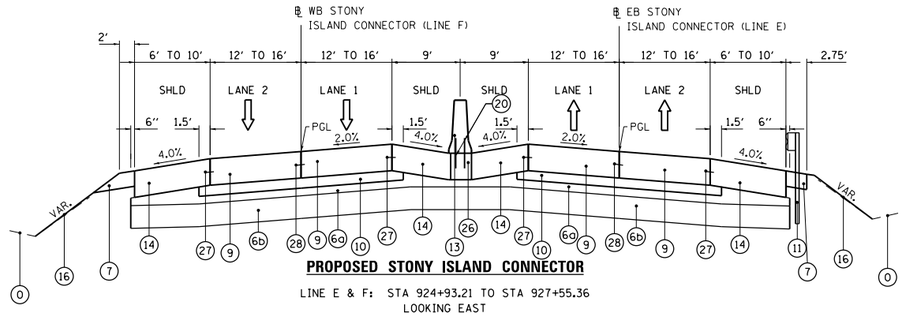
LINE E & F: STA 927+71.54 TO STA 930+65.48
AND STA 936+57.27 TO STA 938+70.00
LOOKING EAST

WB STONY ISLAND (LINE F) 2 LANE	
STRUCTURAL DESIGN TRAFFIC:	YEAR 2013
PV= 19,116	SU= 2,124 MU= 2,360
ROAD/STREET CLASSIFICATION:	CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P=50%	S=50% M=50%
TRAFFIC FACTOR:	ACTUAL TF=16.30
	MINIMUM TF=4.59
SUBGRADE SUPPORT RATING:	
SSR=POOR	



PROPOSED STONY ISLAND CONNECTOR

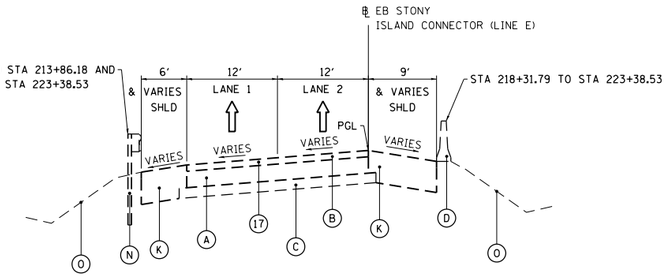
LINE E & LINE F: STA 927+55.36 TO STA 930+22.04
AND STA 937+12.07 TO STA 938+70.00
LOOKING EAST



PROPOSED STONY ISLAND CONNECTOR

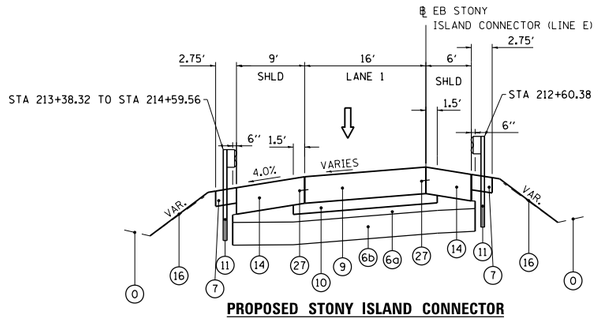
LINE E & F: STA 924+93.21 TO STA 927+55.36
LOOKING EAST

EB STONY ISLAND (LINE E)	
STRUCTUAL DESIGN TRAFFIC:	YEAR 2013
PV=11,340	SU=1,260 MU=1,400
ROAD/STREET CLASSIFICATION:	CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P=100%	S=100% M=100%
TRAFFIC FACTOR:	ACTUAL TF=23.16
	MINIMUM TF=4.59
SUBGRADE SUPPORT RATING:	
SSR=POOR	



EXISTING STONY ISLAND CONNECTOR

NB (LINE E): STA 205+72.44 TO STA 213+86.18 AND
STA 218+31.79 TO STA 223+38.53
LOOKING EAST/ NORTH



PROPOSED STONY ISLAND CONNECTOR

NB (LINE E): STA 206+99.11 TO STA 214+15.81 AND
STA 216+29.58 TO STA 224+87.94
LOOKING EAST/ NORTH

FILE NAME = $FILEL$	USER NAME = default	DESIGNED - RTF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TYPICAL SECTIONS STONY ISLAND CONNECTOR**
		DRAWN - RTF	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - RR	REVISED -		
	PLOT DATE = 3/29/2013	DATE - **03/29/2013**	REVISED -		SCALE: N/A | SHEET NO. 5 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	31
		CONTRACT NO. 60J12		
	ILLINOIS FED. AID PROJECT			

S:\0872.05.CADD\D60J12 Sheets\D60J12 sht typical.dgn