

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

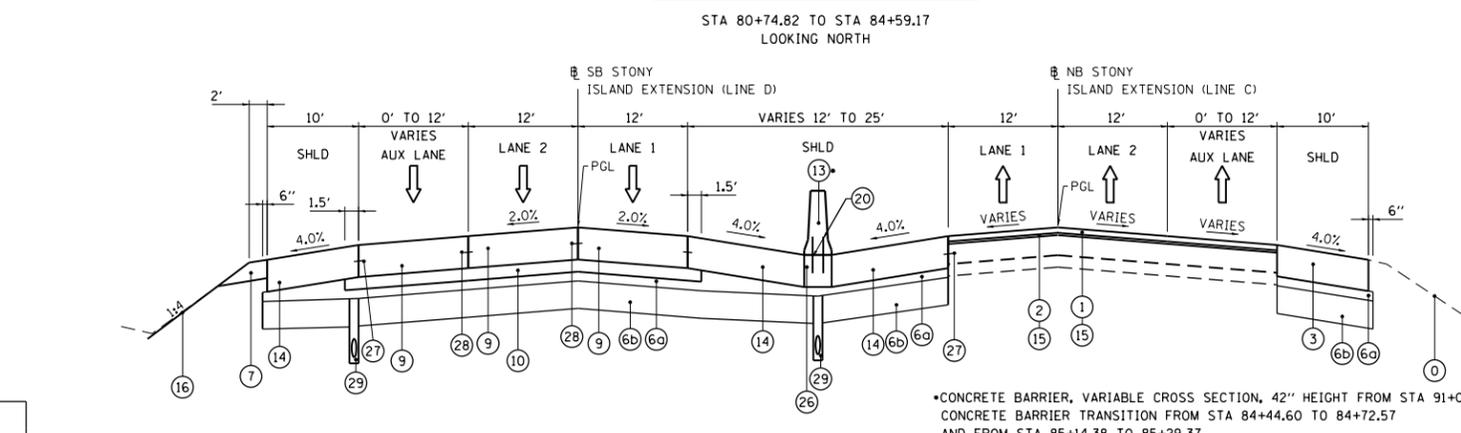
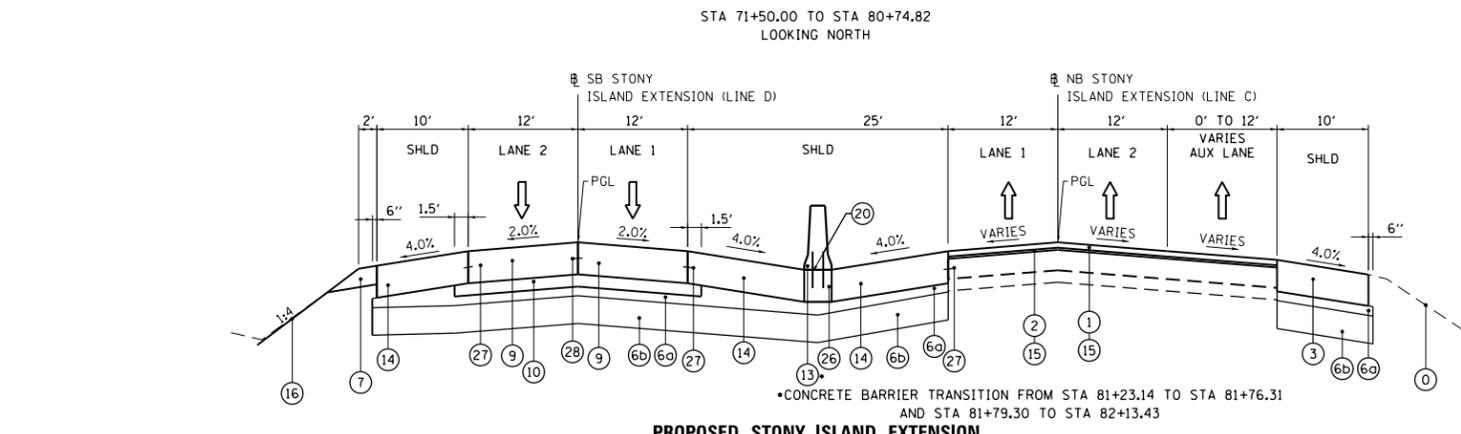
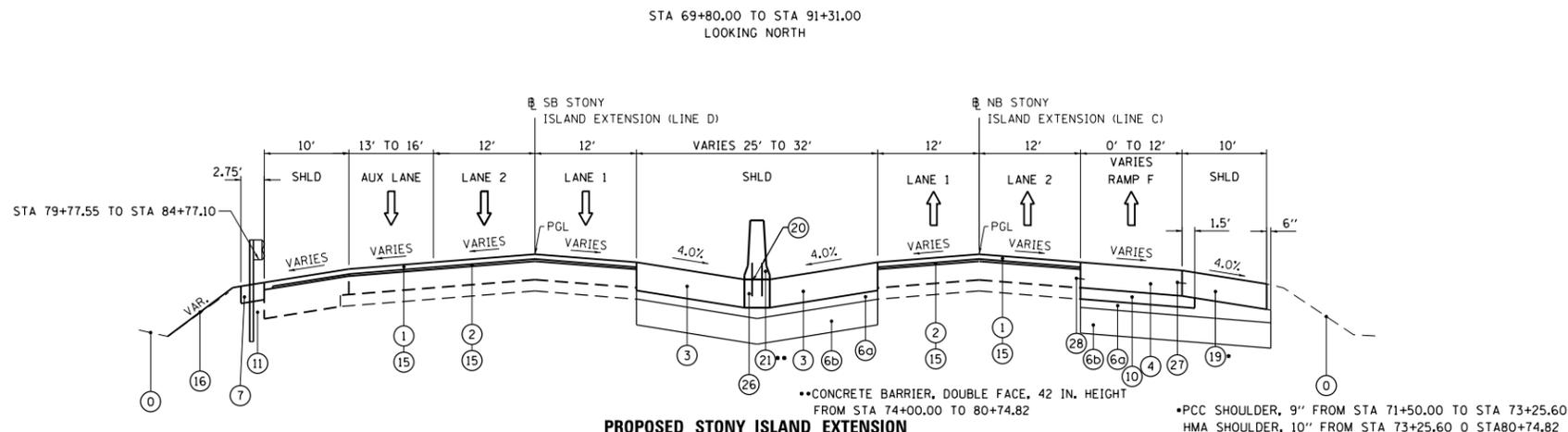
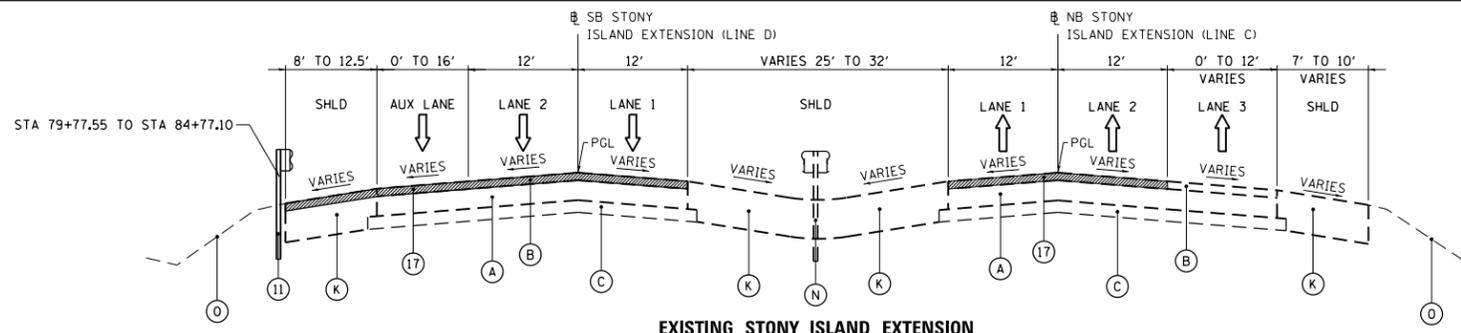
PROPOSED:

- (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 SAWS OR CONSTRUCTION JOINT.
FOR LONGITUDINAL SAWS, 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
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CEMENT CONCRETE PAVEMENT 10 1/2" OR 9" (JOINTED)
- (29) PIPE UNDERDRAINS 6"



SB STONY ISLAND LINE D		
STRUCTURAL DESIGN TRAFFIC:	YEAR 2013	
PV=	16,740	SU= 1,860 MU= 2,067
ROAD/STREET CLASSIFICATION:	CLASS II	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P=50%	S=50% M=50%
TRAFFIC FACTOR:	ACTUAL TF=14.27	MINIMUM TF=4.59
SUBGRADE SUPPORT RATING:	SSR=POOR	

FILE NAME =	USER NAME = default	DESIGNED -	RTF	REVISED -	
*FILE#		DRAWN -	RTF	REVISED -	
	PLOT SCALE = *SCALE*	CHECKED -	RR	REVISED -	
	PLOT DATE = 3/29/2013	DATE -	03/29/2013	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS STONY ISLAND EXTENSION	
SCALE: N/A	SHEET NO. 2 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	28
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

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