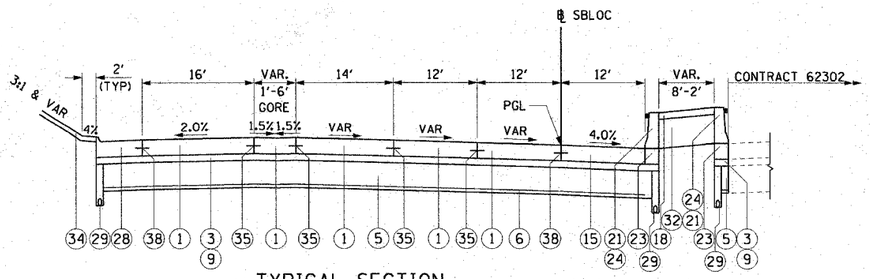
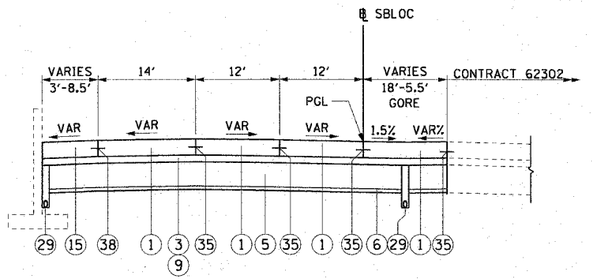
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	588	21
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62303	* (2021-922 PT2 ETC 2324.6-1P) R-11			



① TYPICAL SECTION SB LOCAL LANES

STA 3513+58.35 TO STA 3516+11.82

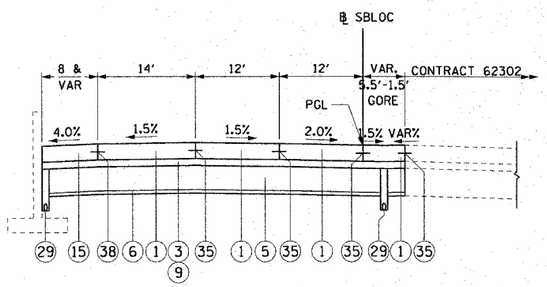
FULL SUPERELEVATION: STA 3512+28.54 TO STA 3515+89.45 (2.8% RT)
SUPERELEVATION TRANSITION: STA 3515+89.45 TO STA 3517+45.45



② TYPICAL SECTION SB LOCAL LANES

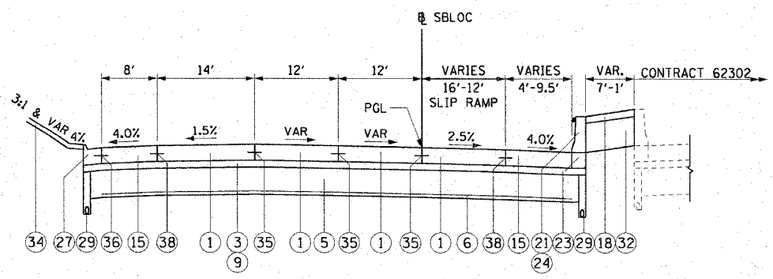
STA 3516+11.82 TO STA 3518+96.04

SUPERELEVATION TRANSITION: STA 3515+89.45 TO STA 3517+45.45



③ TYPICAL SECTION SB LOCAL LANES

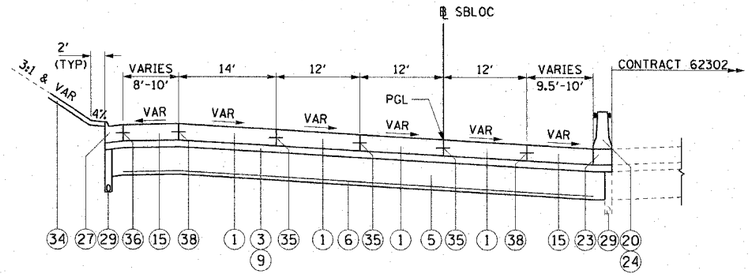
STA 3518+96.04 TO STA 3520+14.98



④ TYPICAL SECTION SB LOCAL LANES

STA 3520+14.98 TO STA 3523+72.02

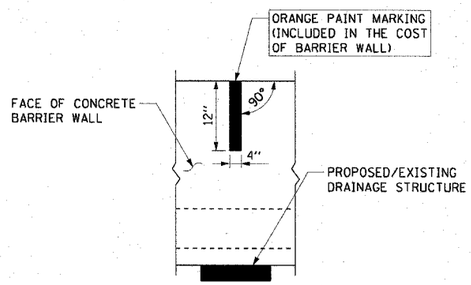
SUPERELEVATION TRANSITION: STA 3522+48.47 TO STA 3525+31.47



⑤ TYPICAL SECTION SB LOCAL LANES

STA 3523+72.02 TO STA 3529+00.00

SUPERELEVATION TRANSITION: STA 3522+48.47 TO STA 3525+31.47
FULL SUPERELEVATION: STA 3525+31.47 TO STA 3531+43.15 (5.7% RT)



CONCRETE BARRIER WALL MARKING AT DRAINAGE STRUCTURE

PLACE ON BARRIER WALL CONSTRUCTED ADJACENT TO ALL PROPOSED AND/OR EXISTING DRAINAGE STRUCTURES

STRUCTURAL PAVEMENT DESIGN FOR MAINLINE

STRUCTURAL DESIGN TRAFFIC:		YEAR 2020
PV= 125,272	SU= 10,930	MU= 31,949
ROAD/STREET CLASSIFICATION:		CLASS 1
PV= 8%	SU= 37%	MU= 37%
TRAFFIC FACTOR:	ACTUAL TF= 264.46	AC TYPE= N/A
	MINIMUM TF= 12.39	
AC GRADE:	BINDER= -	SURFACE= -
SUBGRADE SUPPORT RATING:		
SSR= 2.00	(STA. to STA.)	
SSR= 2.00	(STA. to STA.)	

PROPOSED LEGEND:

1. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 14" AND PAVEMENT REINFORCEMENT 14"
3. BITUMINOUS STABILIZED SUB-BASE, 6"
5. SUB-BASE GRANULAR MATERIAL, TYPE B 24"
6. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
9. BITUMINOUS MATERIALS (PRIME COAT)
15. PORTLAND CEMENT CONCRETE SHOULDERS 14"
18. CONCRETE MEDIAN SURFACE, 6" (SPECIAL)
20. CONCRETE BARRIER, DOUBLE FACE, 32" HEIGHT
21. CONCRETE BARRIER, SINGLE FACE, 32" HEIGHT
23. BARRIER BASE
24. BARRIER WALL MARKERS, TYPE C (80' C-C)
27. COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.48 (MODIFIED)
29. PIPE UNDERDRAINS 6"
30. RETAINING WALL
32. SAND BACKFILL
34. TOPSOIL FURNISH AND PLACE / SEEDING (SEE LANDSCAPING PLANS FOR DETAILS)
35. 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. 8 DEFORMED EPOXY TIE BARS 24" LONG AT 24" C-C. (SHALL BE INCLUDED IN THE COST OF CONTINUOUSLY REINFORCED PCC PAVEMENT 14")
36. 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 AND GUTTER TYPE)
38. LONGITUDINAL CONSTRUCTION JOINT. DRILL AND GROUT NO. 8 DEFORMED EPOXY TIE BARS 30" LONG AT 24" C-C. (SHALL BE INCLUDED IN THE COST OF THE APPLICABLE PCC SHOULDER TYPE)

NOTES:

1. SEE ROADWAY DETAILS FOR VARIABLE HEIGHT OF THE DOUBLE FACE BARRIER WALL AND FOR THE TYING OF THE BARRIER BASE TO THE PCC SHOULDER AND FOR THE LIMITS OF CONSTRUCTION OF THE SUB-BASE GRANULAR MATERIAL UNDER THE DOUBLE FACE BARRIER WALL.
2. SHOULDER RUMBLE STRIPS SHALL BE CONSTRUCTED IN THE PROPOSED AND EXISTING SHOULDERS OF THE LOCAL AND EXPRESS LANES ACCORDING TO IDOT STANDARD 642001.
3. TYPICAL SECTIONS NEED TO BE VERIFIED WITH THE ROADWAY PLANS AS THEY ARE A REPRESENTATION OF THE PLANS. THEY DO NOT SHOW ALL CONFIGURATIONS, JUST THE MOST PREDOMINANT.

PRTYP-2

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

PROPOSED TYPICAL SECTIONS SOUTHBOUND LOCAL LANES

SCALE: H:1"=10' V:1"=5' DRAWN BY: NJH
DATE: June 9, 2006 CHECKED BY: RMG

CTE | AECOM

P:\P40486\CIVIL\18-Cnfrs 18 & 19\SHCnfr 19\Typical Sections\TSECSOUTH22.dgn
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