

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	247	14
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A63 • (19)9.15, 2021-922 PT1 & PT2 R-2				

STRUCTURAL PAVEMENT DESIGN FOR MAINLINE

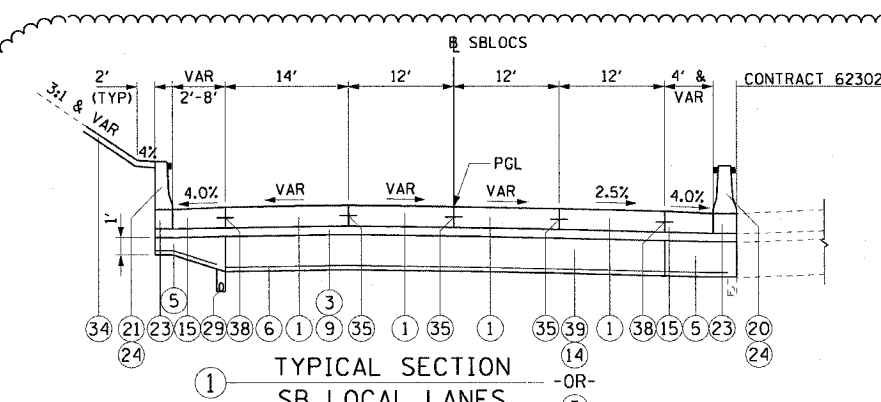
STRUCTURAL DESIGN TRAFFIC:	YEAR 2020
PV= 125,272	SU= 10,930 MU= 31,949
ROAD/STREET CLASSIFICATION:	CLASS 1
PV= 8%	SU= 37% MU= 37%
TRAFFIC FACTOR:	ACTUAL TF= 264.46 AC TYPE= N/A
	MINIMUM TF= 12.39
AC GRADE:	BINDER= - SURFACE= -
SUBGRADE SUPPORT RATING:	
SSR= 2.00	(STA. to STA.)
SSR= 2.00	(STA. to STA.)

BITUMINOUS MIXTURE REQUIREMENT

ITEM	AC TYPE	VOIDS	RAP %
BITUMINOUS STABILIZED SUB-BASE, 4 1/2"	PG 58-22	3% @ 50 Gyr	40

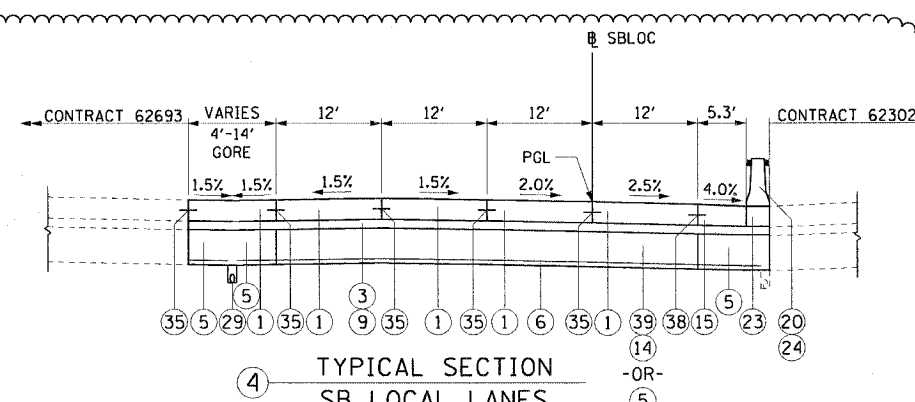
PROPOSED LEGEND:

- ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 14" AND PAVEMENT REINFORCEMENT 14"
- ③ BITUMINOUS STABILIZED SUB-BASE, 4 1/2"
- ⑤ SUB-BASE GRANULAR MATERIAL, TYPE B 24"
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑨ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL
- ⑮ PORTLAND CEMENT CONCRETE SHOULDERS 14" & VARIES
- ⑱ CONCRETE MEDIAN SURFACE, 6" (SPECIAL)
- ⑳ CONCRETE BARRIER, DOUBLE FACE, 32" HEIGHT
- ㉑ CONCRETE BARRIER, SINGLE FACE, 32" HEIGHT
- ㉒ BARRIER BASE
- ㉔ BARRIER WALL MARKERS, TYPE C (80' C-C)
- ㉖ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.24
- 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"
- ㉛ GUARDRAIL
- ㉜ TOPSOIL FURNISH AND PLACE / SEEDING (SEE LANDSCAPING PLANS FOR DETAILS)
- ㉝ 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")
- ㉞ 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)
- ㉟ 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)
- ㊱ SUB-BASE GRANULAR MATERIAL, TYPE B 12"



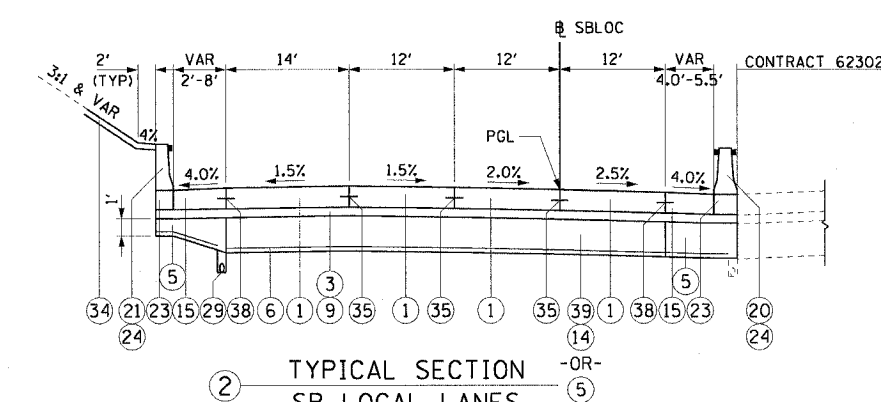
① TYPICAL SECTION SB LOCAL LANES

STA 3423+00.00 TO STA 3426+50.00
SUPERELEVATION TRANSITION: STA 3421+41.08 TO STA 3424+24.08



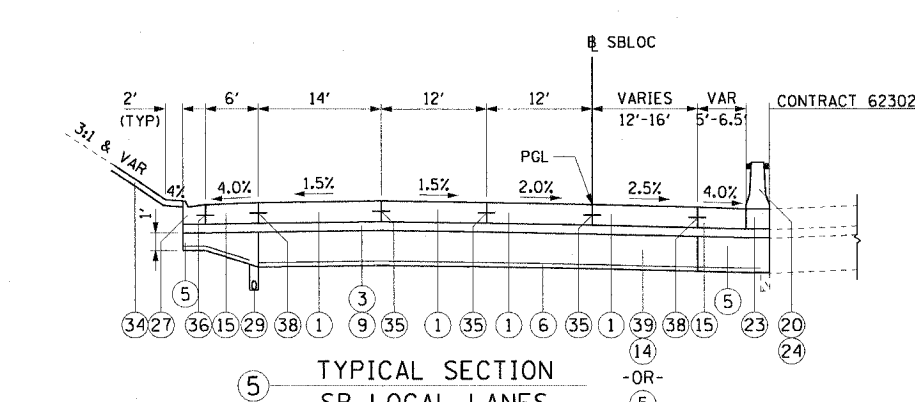
④ TYPICAL SECTION SB LOCAL LANES

STA 3436+33.51 TO STA 3437+83.48



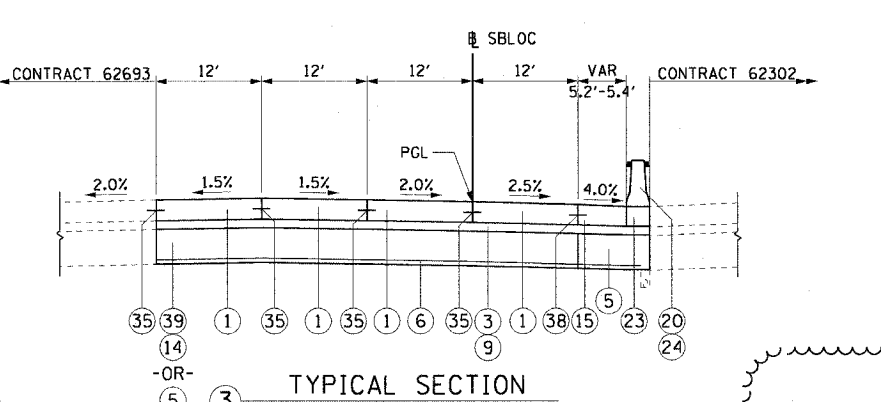
② TYPICAL SECTION SB LOCAL LANES

STA 3426+50.00 TO STA 3429+43.55



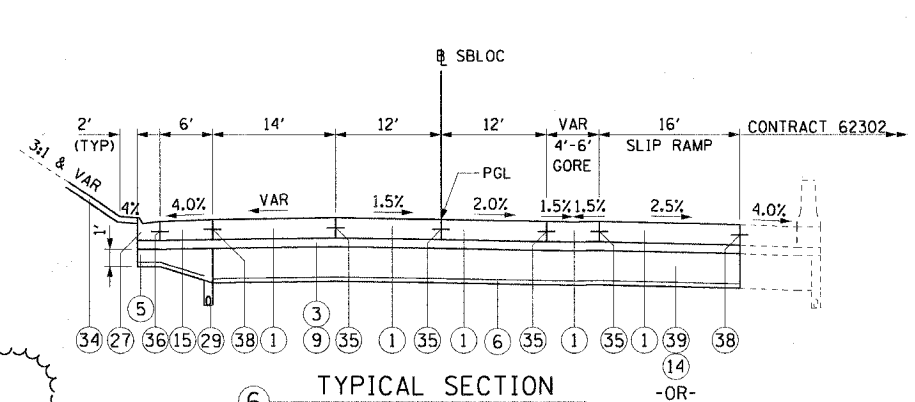
⑤ TYPICAL SECTION SB LOCAL LANES

STA 3437+83.48 TO STA 3444+99.64



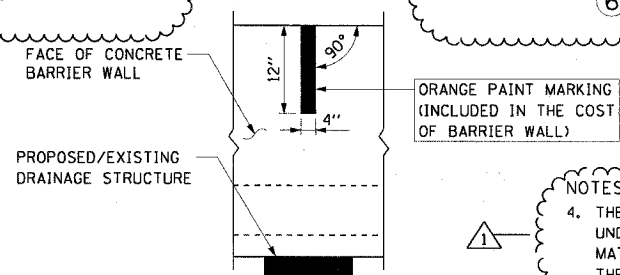
③ TYPICAL SECTION SB LOCAL LANES

STA 3429+43.55 TO STA 3436+33.51



⑥ TYPICAL SECTION SB LOCAL LANES

STA 3444+99.64 TO STA 3445+60.75



CONCRETE BARRIER WALL MARKING AT DRAINAGE STRUCTURE

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

NOTES CONT:
4. THE SLOPE OF THE STABILIZED SUB-BASE 4 1/2" UNDER THE SHOULDERS AND CURB & GUTTER SHALL MATCH THE SLOPE OF THE ADJACENT PAVEMENT IN THE NORMAL CROWNED AREAS.

- NOTES:
- SEE ROADWAY DETAILS FOR THE VARIABLE HEIGHT OF THE DOUBLE FACE BARRIER WALL AND FOR TYING 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.
 - THE SHOULDER RUMBLE STRIPS SHALL BE CONSTRUCTED IN ALL PROPOSED AND EXISTING SHOULDERS ACCORDING TO 100T STANDARD 642001. SEE ROADWAY PLANS FOR EXACT LOCATIONS.
 - 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.

REVISIONS	
NAME	DATE
ADDENDUM 1	7/27/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
63RD STREET TO GARFIELD BLVD (SB LOCAL LANES)

PROPOSED TYPICAL SECTIONS
SOUTHBOUND LOCAL LANES

SCALE: H1"=10' V1"=5'
DATE: June 9, 2006

DRAWN BY: NJH
CHECKED BY: RMC

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