

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**PROPOSED RAMP I**

STRUCTURAL DESIGN TRAFFIC Year 2018  
 PV = 75% SU = 7.1% MU = 17.9%

ROAD/STREET CLASSIFICATION Class I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 100% S = 100% M = 100%

TRAFFIC FACTOR Actual TF = 8.10 AC Type = N/A  
 Minimum TF = 11.16

PG GRADE: Top Binder = SBS PG64-28 Surface = 9 3/4" JOINTED PCC  
 Bottom Binder = PG64-22

SUBGRADE SUPPORT RATING:  
 SSR = POOR (Sta. 201+32.95 to 213+82.19)  
 SSR = \_\_\_\_\_ (Sta. \_\_\_\_\_ to \_\_\_\_\_)

**PROPOSED RAMP J (RAMP I TRAFFIC SHOWN AND CONTROLS PAVEMENT DESIGN)**

STRUCTURAL DESIGN TRAFFIC Year 2018  
 PV = 75% SU = 7.1% MU = 17.9%

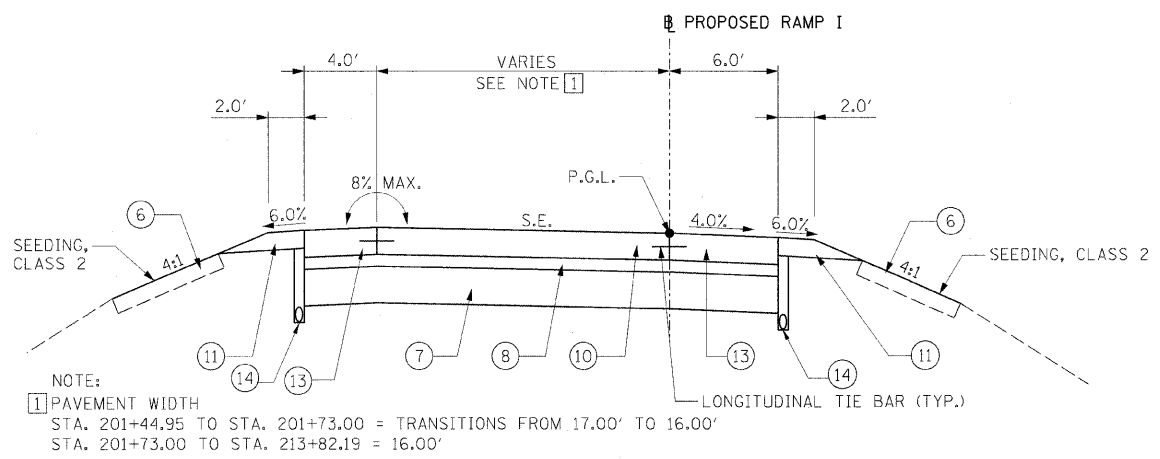
ROAD/STREET CLASSIFICATION Class I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 100% S = 100% M = 100%

TRAFFIC FACTOR Actual TF = 8.10 AC Type = N/A  
 Minimum TF = 11.16

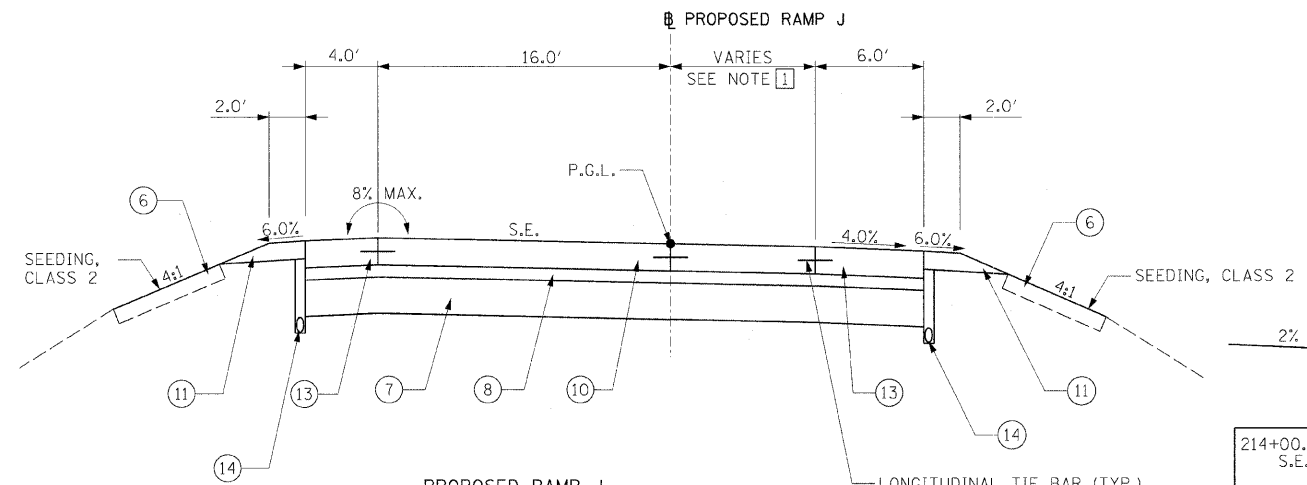
PG GRADE: Top Binder = SBS PG64-28 Surface = 9 3/4" JOINTED PCC  
 Bottom Binder = PG64-22

SUBGRADE SUPPORT RATING:  
 SSR = POOR (Sta. 306+60.09 to 319+10.93)  
 SSR = \_\_\_\_\_ (Sta. \_\_\_\_\_ to \_\_\_\_\_)



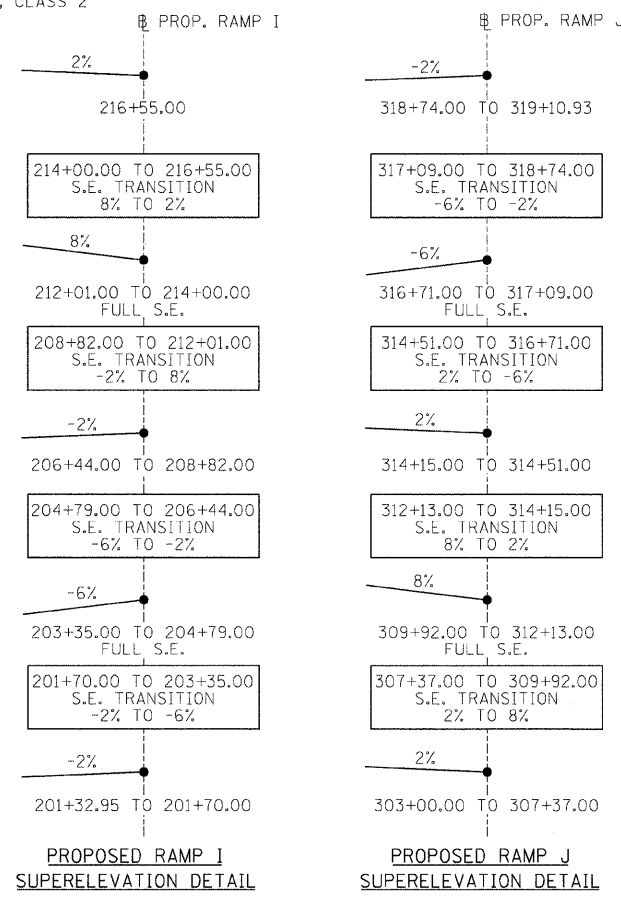
**PROPOSED RAMP I  
TYPICAL SECTION**  
 STA. 201+44.95 TO STA. 213+82.19

NOTE:  
 1 PAVEMENT WIDTH  
 STA. 201+44.95 TO STA. 201+73.00 = TRANSITIONS FROM 17.00' TO 16.00'  
 STA. 201+73.00 TO STA. 213+82.19 = 16.00'

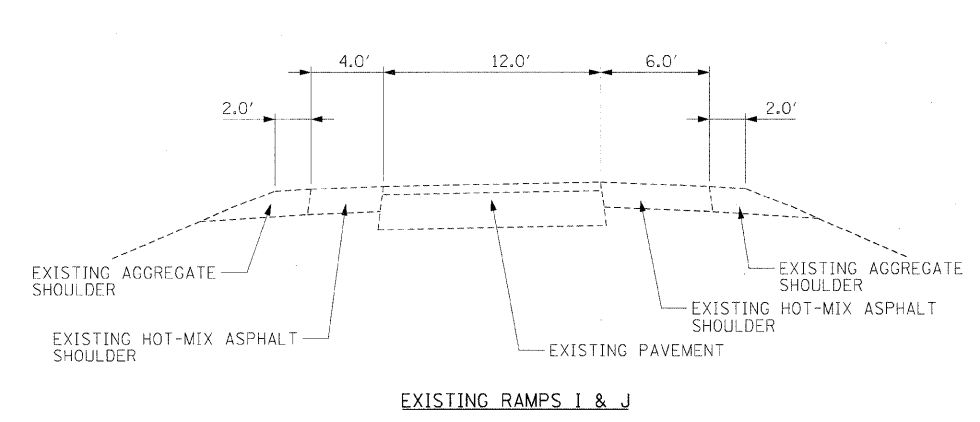


**PROPOSED RAMP J  
TYPICAL SECTION**  
 STA. 306+60.09 TO STA. 319+10.93

NOTE:  
 1 PAVEMENT WIDTH  
 STA. 315+63.85 TO STA. 317+63.90 = TRANSITIONS FROM 0.00' TO 8.00'



**PROPOSED RAMP I  
SUPERELEVATION DETAIL**      **PROPOSED RAMP J  
SUPERELEVATION DETAIL**



**EXISTING RAMPS I & J**

- LEGEND**
- 1 EXISTING GROUND LINE
  - 2 EXISTING HOT-MIX ASPHALT SURFACE COURSE 2 1/4"
  - 3 EXISTING HOT-MIX ASPHALT LEVELING BINDER 3/4"
  - 4 EXISTING PCC PAVEMENT 10"
  - 5 EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A 4"
  - 6 PROPOSED TOPSOIL FURNISH AND PLACE 4"
  - 7 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
  - 8 PROPOSED STABILIZED SUB-BASE HOT-MIX ASPHALT 4"
  - 9 PROPOSED AGGREGATE BASE COURSE, TYPE B 12"
  - 10 PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
  - 11 PROPOSED AGGREGATE SHOULDERS, TYPE B 6"
  - 12 PROPOSED HOT-MIX ASPHALT SHOULDERS 13 3/4"
  - 13 PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"
  - 14 PROPOSED PIPE UNDERDRAINS 4"
  - 15 PROPOSED PIPE UNDERDRAINS 6"
  - 16 PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
  - 17 PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A
  - 18 PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13 3/4"
  - 19 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
  - 20 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
  - 21 PROPOSED MEDIAN, TYPE SM-4.06
  - 22 PROPOSED HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL (TO BE PAID FOR AS HMA SHOULDERS 6")
  - 23 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 6"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
RAMPS I AND J

SCALE: VERT. N/A  
 DATE                      HORIZ. N/A

DRAWN BY JAP  
 CHECKED BY

**HANSON**  
 Hanson Professional Services Inc.  
 1525 South Sixth Street  
 Springfield, Illinois 62703-2886  
 Offices Nationwide

MODEL NAME = RAMPS I AND J  
 PLOT DATE = 12/23/2009  
 USER = JAP  
 USER NAME = JAP

LAYOUT	JAP	07/12/05
DRAWN	JAP	07/12/05
REVIEWED	MTM	10/1/07