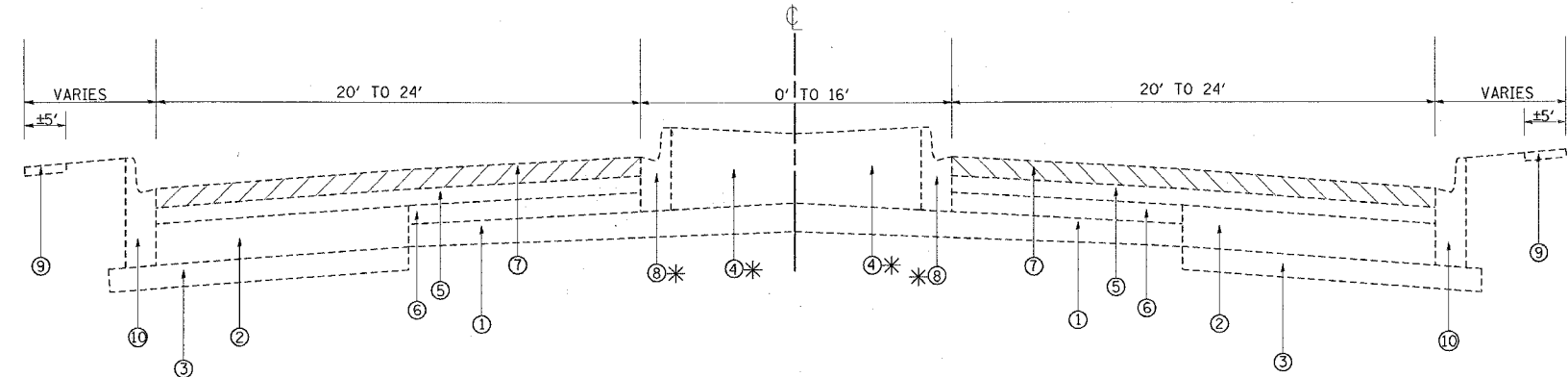
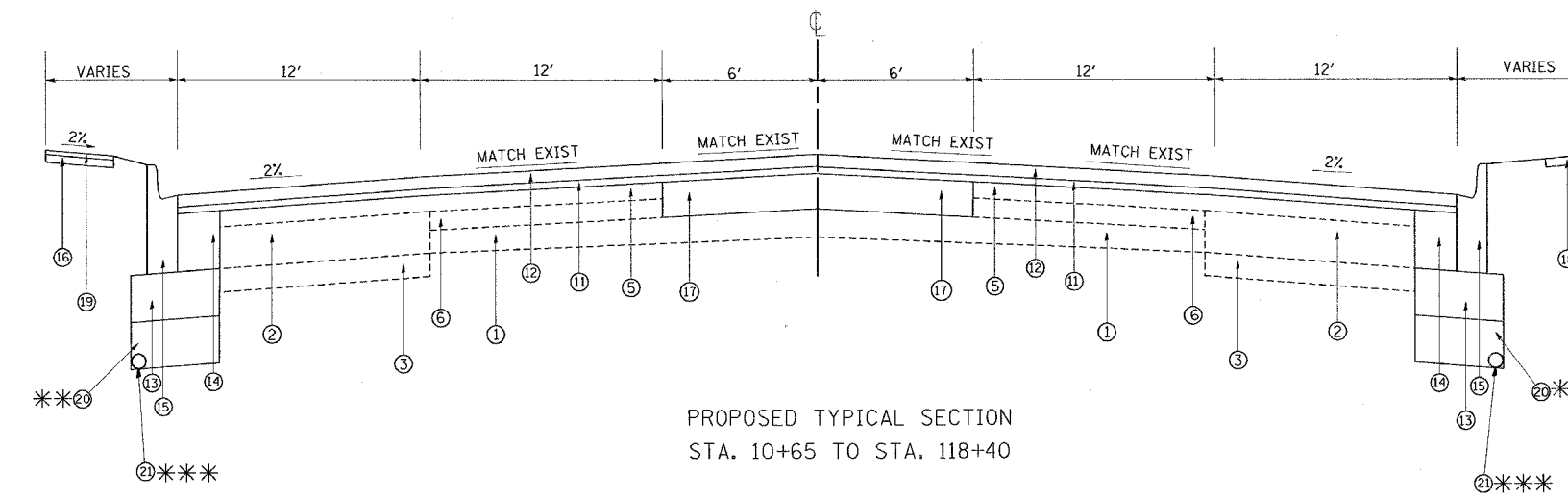


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	3152 WRS	COOK	195	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION  
STA. 10+65 TO STA. 118+40



PROPOSED TYPICAL SECTION  
STA. 10+65 TO STA. 118+40

- \* STA. 14+63 TO STA.17+40
- STA. 65+92 TO STA. 80+35
- STA. 109+55 TO STA. 118+40
- \*\* STA. 39+50 TO STA. 42+62
- \*\*\* STA. 18+00 TO STA. 19+00
- STA. 25+00 TO STA. 26+00
- STA. 39+50 TO STA. 40+50
- STA. 59+50 TO STA. 60+50
- STA. 90+00 TO STA. 91+00
- STA 105+00 TO STA. 106+00

**LEGEND**

- ① EXISTING P.C.C PAVEMENT (7"-9")
- ② EXISTING PCC WIDENING (7")
- ③ EXISTING AGGREGATE SUBGRADE
- ④ EXISTING STABILIZED MEDIAN TO BE REMOVED
- ⑤ EXISTING HMA. AFTER MILLING SURFACE
- ⑥ EXISTING HMA. BASE COURSE
- ⑦ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑧ EXISTING CURB & GUTTER TO BE REMOVED
- ⑨ EXISTING SIDEWALK
- ⑩ EXISTING CURB & GUTTER, TYPE B-6.24
- ⑪ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑫ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- ⑬ PROP. AGGREGATE SUBGRADE, 12"
- ⑭ PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 12 1/2" (4" LIFTS)
- ⑮ PROP. CURB & GUTTER, TYPE B-6.24
- ⑯ PROP HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 2 1/4"
- ⑰ PROP. HOT-MIX ASPHALT BASE COURSE, 8"
- ⑱ PROP. PCC SIDEWALK, 5" VARIOUS LOCATIONS, SEE PLANS FOR DETAILS
- ⑲ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- ⑳ PROP. PGES 12"
- ㉑ PROP. PIPE UNDERDRAINS 6"

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

	MIXTURE USE	AC TYPE	AIR VOIDS (%)
ROADWAY PAVEMENT	POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50	SBS/SBR PG 76-28/22	4% @ 50 GYR
	HOT-MIX ASPHALT BASE COURSE, 6", 8" (HMA BINDER IL-19mm)	PG 64-22*	4% @ 50 GYR
	POLYMERIZED HMA SURFACE COURSE, MIX "F" N90, IL-9.5mm	SBS/SBR PG 70-22	4% @ 90 GYR
WIDE PATCHING	HMA REPLACEMENT OVER PATCHES, (IL-19mm HMA BINDER)	PG 64-22*	4% @ 70 GYR
	ALL CLASS D PATCHES, 9", 14" (IL-19mm HMA BINDER)	PG 64-22*	4% @ 70 GYR
BIKE TRAIL	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N90	SBS/SBR PG 70-22	4% @ 90 GYR
	HMA SURFACE COURSE, MIX "C" N50, IL-9.5mm	PG 64-22	4% @ 50 GYR

**SUBGRADE TREATMENT PLAN NOTES**

POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN RECOMMENDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIAL UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGES AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

- 1- PROPOSED 12" AGGREGATE SUBGRADE SUFFICIENT AT ALL STATIONS EXCEPT AS SHOWN.
- 2- DEPTH REFERS TO DEPTH OF REMEDIAL TREATMENT BELOW AGGREGATE SUBGRADE.
- 3- REPLACEMENT MATERIAL OR TREATMENT

EMBANKMENT MATERIAL AND PLACEMENT IN ACCORDANCE WITH SECTIONS 205, 206, 507 AND 210  
PGES- POROUS GRANULAR EMBANKMENT, SUBGRADE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**WESTERN AVE.  
(16TH ST. TO STEGER.)  
EXISTING AND PROPOSED  
TYPICAL SECTION**

SCALE: VERT NONE  
HORIZ. DATE

DRAWN BY  
CHECKED BY

PLOT DATE = 6/29/2007  
 FILE NAME = c:\projects\14469\design\adgn  
 USER = 502008 / JLN  
 USER = gmetts

NOTE: THE UNIT WEIGHT USED TO CALCULATE HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN  
\*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22