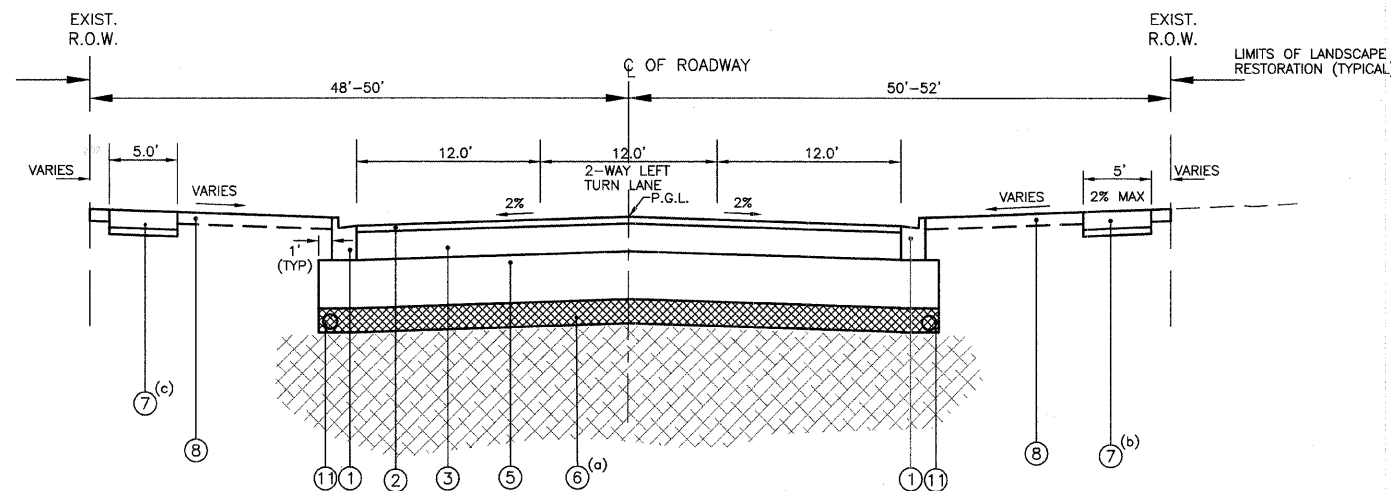


FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1380	00-00084-00-PV	DUPAGE	93	6
STA.	TO STA.			
	LIKES	SURFACE TRANSPORTATION FUNDING		

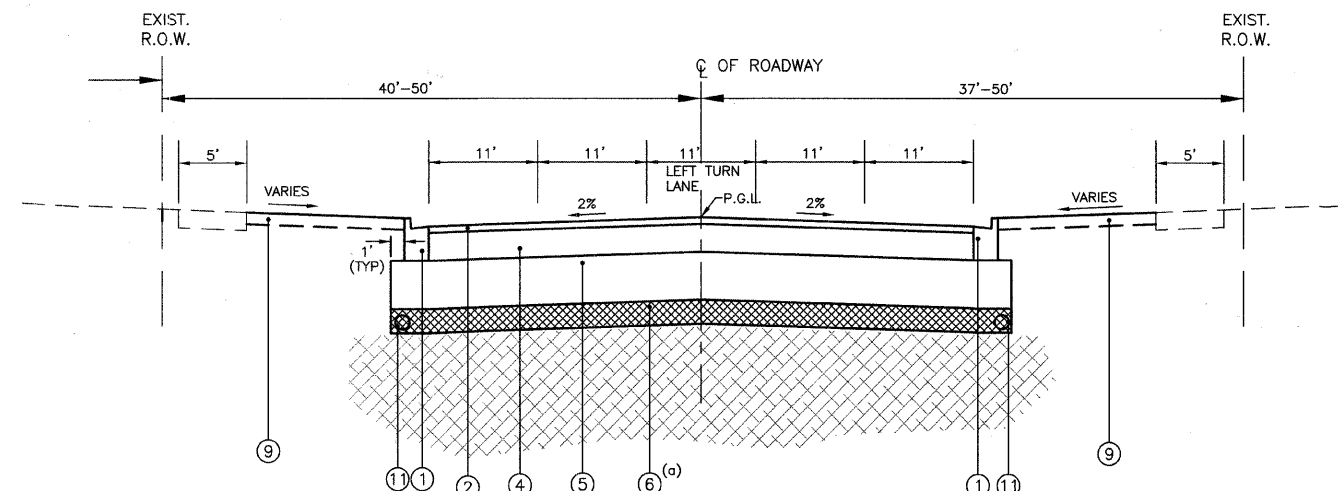
CONTRACT NUMBER 83993



PROPOSED TYPICAL SECTION FULLERTON AVENUE

STA. 188+64 TO 221+25

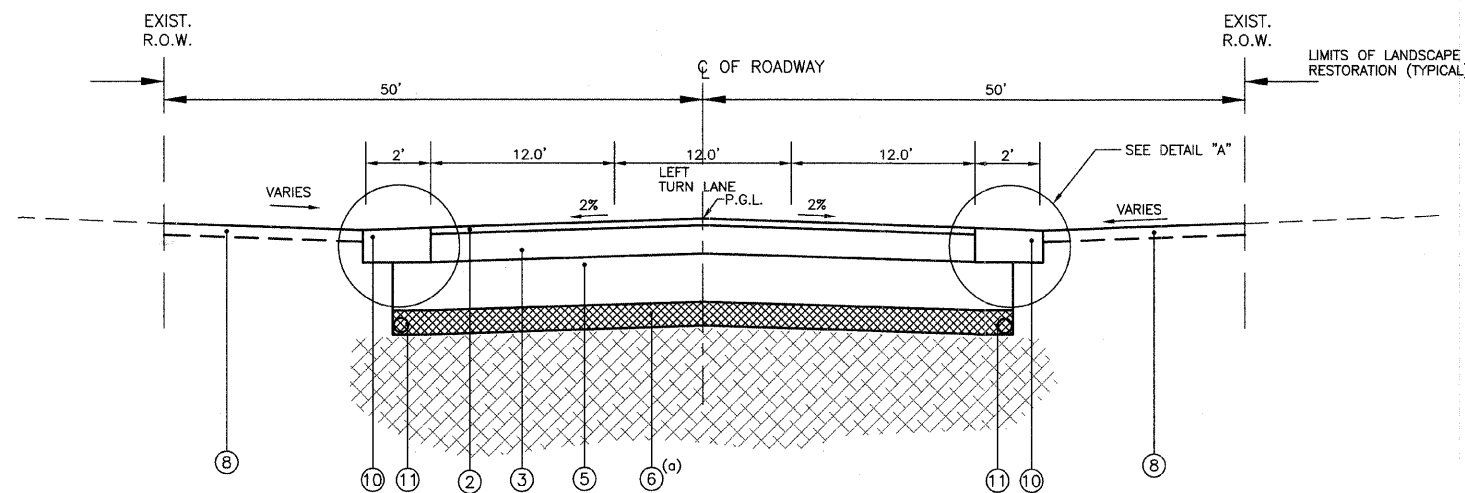
- (a) SEE SOILS NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
- (b) PROPOSED SIDEWALK FROM STA. 199+50 TO STA. 200+10 AND 214+50 TO STA. 216+00
- (c) PROPOSED SIDEWALK FROM STA. 206+70 TO STA. 221+00



PROPOSED TYPICAL SECTION VILLA AVENUE

STA. 507+10.7 TO STA. 519+26.5

- (a) SEE SOILS NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING



PROPOSED TYPICAL SECTION FULLERTON AVENUE

STA. 221+85 TO 225+42

- (a) SEE SOILS NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING

**SOILS NOTE:**  
 POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

THE LIMITS OF UNSTABLE SOILS ARE AT THE APPROXIMATE LOCATIONS AS FOLLOWS:

Location	Replacement Indicated By	Depth	Treatment Width	Treatment Material
Station 206+47 to 209+34 (B-7)	Qp=2.02 tsf Mc=11% Loam (fill)	No treatment needed	NA	NA
Station 221+32 to 223+95 (B-12)	Qp=0.5 tsf Mc=21% Clay Loam (Fill)	12 inches	Full Width	PGES
Station 223+95 to Bridge @ Salt Creek (B-13)	Qp=2.0 to 1.0 tsf Mc=20% Clay Loam (fill)	6 inches	Full Width	PGES
Station 510+00 to 513+00 (C-6)	Qp=1.25 tsf Mc=32% Silty Clay Loam (Fill)	6 inches	Full Width	PGES
Station 191+00 to 196+00	NA	6 inches	Eastbound Lane only	PGES
Station 198+50 to 201+00	NA	6 inches	Eastbound Lane only	PGES

**LEGEND**

- ① PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- ② PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 7"
- ④ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-3/4"
- ⑤ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑥ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND PROPOSED POROUS GRANULAR EMBANKMENT, SUBGRADE (SEE ROADWAY SOILS INVESTIGATION BY SCHLEEDER HAMPTON DATED NOV. 18, 2005)
- ⑦ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 2" NOTE: THICKNESS TO BE INCREASED TO 6" THROUGH DRIVEWAY APRONS (ADDITIONAL THICKNESS INCIDENTAL)
- ⑧ PROPOSED TOPSOIL (PULVERIZED), FURNISH AND PLACE, VARIABLE DEPTH AND SEEDING, CLASS 1 AND EXCELSIOR BLANKET, SPECIAL
- ⑨ PROPOSED TOPSOIL (PULVERIZED), FURNISH AND PLACE, VARIABLE DEPTH AND SEEDING, CLASS 1A AND EXCELSIOR BLANKET, SPECIAL
- ⑩ PROPOSED AGGREGATE SHOULDERS, TYPE A, 9"
- ⑪ PROPOSED PIPE UNDERDRAIN, FABRIC LINED TRENCH, 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS
<b>PAVEMENT RESURFACING (BEVERLY AVENUE)</b>		
HOT-MIX SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4% @ 70 Yr.
<b>FULL DEPTH PAVEMENT (FULLERTON AVENUE &amp; VILLA AVENUE)</b>		
HOT-MIX SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4% @ 70 Yr.
LEVELING BINDER (MACHINE METHOD), IL-4.75, N70	PG 64-22 / 58-22	4% @ 70 Yr.

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

**STRUCTURAL DESIGN TRAFFIC:** YEAR 2015  
 FULLERTON PV = 13860 SU = 70 MU = 70  
 VILLA PV = 15360 SU = 320 MU = 320

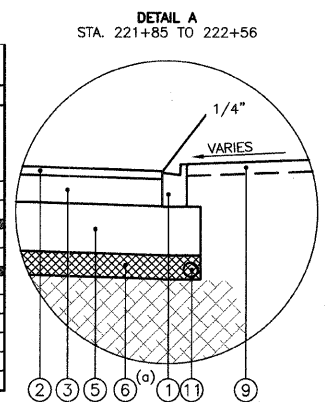
**ROAD/STREET CLASSIFICATION:** CLASS I (BOTH FULLERTON AND VILLA)

**PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:**  
 FULLERTON P = 99 S = 0.5 M = 0.5  
 VILLA P = 96 S = 2 M = 2

**TRAFFIC FACTOR:**  
 FULLERTON Actual TF = 0.3170 AC Type = Full Depth  
 VILLA Actual TF = 1.7857 AC Type = Full Depth

**PG GRADE:** Binder = 64-22 Surface = 64-22

**SUBGRADE SUPPORT RATING:**  
 SSR = Poor



DETAIL A  
 STA. 221+85 TO 222+56

SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION				
	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
<b>SUBTOTAL FULLERTON AVENUE</b>	275,054	22,070	22,070	17,912
<b>PROJECT SUBTOTAL (CU. YD.)</b>	10,187	817	817	663
<b>SUBTOTAL VILLA AVENUE</b>	55,447	11,142	11,142	7,384
<b>PROJECT SUBTOTAL (CU. YD.)</b>	2,054	413	413	273
<b>PROJECT SUBTOTAL (CU. FT.)</b>	330,501	33,211	33,211	25,296
<b>PROJECT SUBTOTAL (CU. YD.)</b>	12,241	1,230	1,230	937
<b>SHRINKAGE FACTOR ADJUSTMENT (15%)</b>	-	-	-	x 1.15
<b>PROJECT TOTAL (CU. YD.)</b>	12,241	1,230	1,230	1,077
<b>DENSITY FACTOR CONVERSION (2.00 TONS/CU. YD.)</b>	-	-	x 2.00	-
<b>PROJECT TOTAL (TONS)</b>	-	-	2,460	-

REVISIONS	
NAME	DATE

VILLAGE OF ADDISON  
**PROPOSED TYPICAL SECTIONS**  
 FULLERTON AVENUE  
 VILLA AVENUE

DATE: 11/26/2007  
 DESIGNED BY: RTM  
 TECHNICIAN: JRR  
 CHECKED BY: JRV