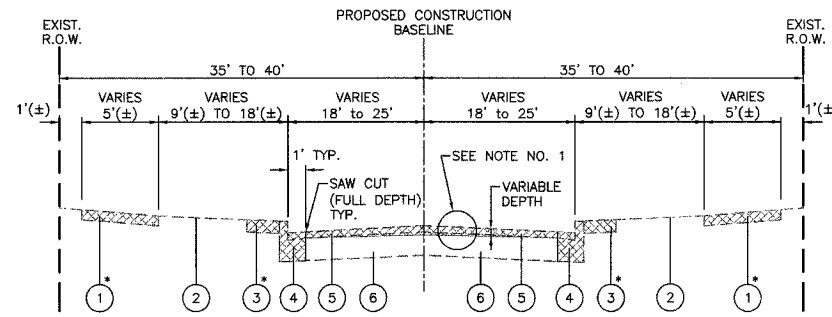


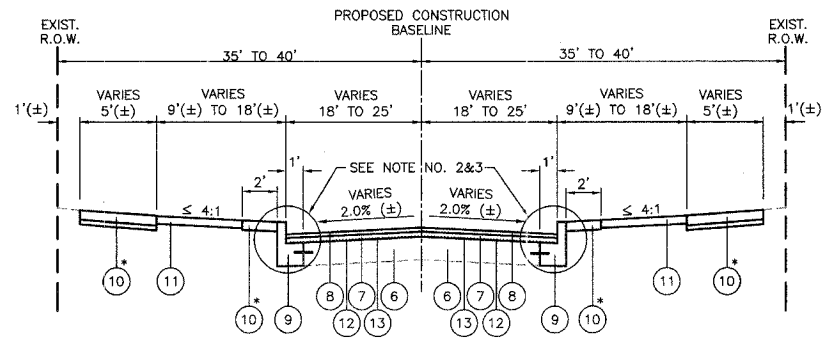
FILE#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	06-00241-00-PV	COOK	115	4
STA.	TO STA.		SURFACE TRANSPORTATION FUNDING	
			CONTRACT NUMBER 83968	



**EXISTING RIDGE AVENUE**

STA. 114+25 TO STA. 224+00

\*REFER TO ROADWAY PLANS FOR LIMITS OF SIDEWALK REMOVAL AND REPLACEMENT



**PROPOSED RIDGE AVENUE**

STA. 114+25 TO STA. 224+00

\*REFER TO ROADWAY PLANS FOR LIMITS OF SIDEWALK REMOVAL AND REPLACEMENT

**LEGEND**

- ① EXIST PORTLAND CEMENT CONCRETE SIDEWALK, 5" (±)
- ② EXIST GROUND LINE (GRASS)
- ③ EXIST CARRIAGE WALK 5" (±)
- ④ EXIST COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXIST HOT-MIX ASPHALT CONCRETE PAVEMENT OVERLAY, 3"(±)
- ⑥ EXIST PORTLAND CEMENT CONCRETE BASE, 8"(±)
- ⑦ PROP HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4" MINIMUM
- ⑧ PROP HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70, 1 3/4"
- ⑨ PROP COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
- ⑩ PROP PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 2"
- ⑪ PROP TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- ⑫ PROP POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- ⑬ PROP FIBER GLASS FABRIC REPAIR SYSTEM

**NOTES:**

1. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH INCLUDES REMOVING THE ENTIRE HOT-MIX ASPHALT PAVEMENT AND MAY INCLUDE PORTIONS OF THE UNDERLYING EXISTING PORTLAND CEMENT CONCRETE BASE. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL AND INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH.
2. CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE CONSTRUCTED PER THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S BUREAU OF DESIGN STANDARD (BD-24). THE FINISHED (EXPOSED) CURB HEIGHT SHALL BE CONSTRUCTED HAVING THE APPEARANCE OF TYPE B-6 CURB.
3. UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE. REMOVAL AND REPLACEMENT 4 INCHES OR LESS IS INCLUDED IN THE COST OF CURB AND GUTTER REMOVAL AND REPLACEMENT
4. ITEMS ④ AND ⑨ PAID FOR AS CURB AND GUTTER REMOVAL AND REPLACEMENT.
5. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WITHIN AREAS OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS, PAVEMENT PATCHES, AND CURB AND GUTTER REMOVAL AND REPLACEMENT, AS DIRECTED BY THE ENGINEER, PRIOR TO THE PLACEMENT OF POROUS GRANULAR EMBANKMENT, SUBGRADE.



**PAVEMENT DESIGN INFORMATION**

RIDGE AVENUE (EVANSTON, IL)

**ROADWAY**  
 CLASS I: 4 LANE URBAN STREET  
 DESIGN PERIOD: 20 YEARS  
 DESIGN TRAFFIC:  
 ADT 20,700 VPD  
 97.5% PV(20,182.5), 2.0% SU(414), 0.5% MU(103.5)  
 73,280 LB LOAD LIMIT

SUBGRADE SUPPORT RATING: GRANULAR  
 SHOULDERS: TIED CURB AND GUTTER  
 OVERLOADED VEHICLES: 5 PER WEEK  
 3 IN HOT-MIX ASPHALT SURFACE  
 NDESIGN LEVEL: 70

**TRAFFIC FACTOR**  
 TF= 0.96

**AC TYPE & PG GRADE**  
 SEE HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

MIXTURES COMPOSITION TABLE: RIDGE AVENUE (EVANSTON, IL)				
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:				
PAY ITEM(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	LEVELING BINDER (HAND METHOD), IL-9.5, N70
LOCATION(S):	RIDGE AVENUE	RIDGE AVENUE	RIDGE AVENUE	RIDGE AVENUE
MIXTURE USE(S):	SURFACE	BINDER	LEVELING BINDER	LEVELING BINDER
AC TYPE:	PG 64-22	PG 64-22 *	SBS/SBR PG 76-28/-22	PG 64-22 *
DESIGN AIR VOIDS:	4% @ 70 GYR.	4% @ 70 GYR.	4% @ 50 GYR.	4% @ 70 GYR.
PAY ITEM(S):	TEMPORARY PAVEMENT (HMA BINDER IL-19.0)	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0)		
LOCATION(S):	RIDGE AVENUE	RIDGE AVENUE		
MIXTURE USE(S):	TEMPORARY PAVEMENT	PATCHING		
AC TYPE:	PG 64-22*	PG 64-22 *		
DESIGN AIR VOIDS:	4% @ 50 GYR.	4% @ 50 GYR.		

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

REVISIONS	
NAME	DATE
PREFINAL REVIEW	05.18.07

CITY OF EVANSTON  
**TYPICAL SECTIONS**  
 RIDGE AVENUE IMPROVEMENT

DATE: 8/31/2007  
 DESIGNED BY: RTM  
 TECHNICIAN: JRR  
 CHECKED BY: JRV

NOT TO SCALE