



STRUCTURAL DESIGN TRAFFIC:	Year 2025		
	PV = 8460	SU = 225	MU = 315
ROAD/STREET CLASSIFICATION:	Class II		
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
	P = 50 %	S = 50 %	M = 50 %
TRAFFIC FACTOR:	Actual TF = 1.48	AC Type = PG 64-22 (AC-20)	
	Minimum TF = 0.5		
PG GRADE:	Binder = PG64-22	Surface = PG64-22	
SUBGRADE SUPPORT RATING:	SSR = Poor (Sta. 71+26.12 to 76+68.96)		

LEGEND

- ① EXISTING SUB-BASE GRANULAR MATERIAL
- ② EXISTING POZZOLANIC BASE, 8 1/2"
- ③ EXISTING HOT-MIX ASPHALT OVERLAY, DEPTH VARIES 5" TO 7"
- ④ EXISTING AGGREGATE SHOULDER, 6"
- ⑤ PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)-(STD 420106)
- ⑥ AGGREGATE SUBGRADE, 12"
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ⑧ SUB-BASE GRANULAR MATERIAL, TYPE B, 8"
- ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑩ FURNISHING & PLACING TOPSOIL, 6"
- ⑪ HOT-MIX ASPHALT SHOULDER, 6" (IN 3 LIFTS)
- ⑫ POLYMERIZED HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX "F", N90, 2"
- ⑬ LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑭ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 2 1/4"
- ⑮ HOT-MIX ASPHALT BASE COURSE, 9 1/2" (IN 4 LIFTS)
- ⑯ HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 1 1/2"
- ⑰ HOT-MIX ASPHALT, IL-19, N70, 2 1/4"
- ⑱ HOT-MIX ASPHALT BASE COURSE WIDENING, 8" (IN 3 LIFTS)
- ⑲ EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS AS NOTED
- ⑳ HOT-MIX ASPHALT SHOULDER, 8" (IN 3 LIFTS)
- ㉑ STRIP REFLECTIVE CRACK CONTROL
- ㉒ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ㉓ SAWED LONGITUDINAL JOINT WITH EPOXY COATED #6x30" TIE BARS @ 30" CTS. (COST OF SAW CUT AND TIE BAR INCLUDED WITH PCC PAVEMENT)
- ㉔ LONGITUDINAL CONSTRUCTION JOINT WITH DRILL AND GROUT EPOXY COATED #6x24" TIE BARS @ 24" CTS. (COST OF TIE BARS AND PLACEMENT INCLUDED WITH PCC PAVEMENT)
- ㉕ EPOXY COATED #6x24" TIE BARS @ 24" CTS. (COST OF TIE BARS AND PLACEMENT INCLUDED WITH PCC PAVEMENT)
- ㉖ EXISTING PCC PAVEMENT
- ㉗ EXISTING PCC COMBINATION CURB & GUTTER
- ㉘ EXISTING HOT-MIX ASPHALT MULTI-USE PATH
- ㉙ SUITABLE EXCAVATED FILL MATERIAL
- ㉚ AGGREGATE SUBGRADE, 4" (INCLUDED IN COST OF HMA SHOULDERS)

49-9999 / IN. 1/20/2011 K:\117702-CAD\Sheets\177702.TYP-SEC.dgn



200 West Front Street
Wheaton, IL 60187

DESIGNED - MK	REVISED -
DRAWN - DW	REVISED -
CHECKED - MH	REVISED -
DATE - 12/20/2010	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION
ORCHARD ROAD RECONSTRUCTION

AUCUTT ROAD, KNELL ROAD
AND ROCHESTER DRIVE
TYPICAL SECTIONS

SCALE: N/A SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	99-00232-01-WR	KANE	215	14
CONTRACT NO. 63541			ILLINOIS FED. AID PROJECT	