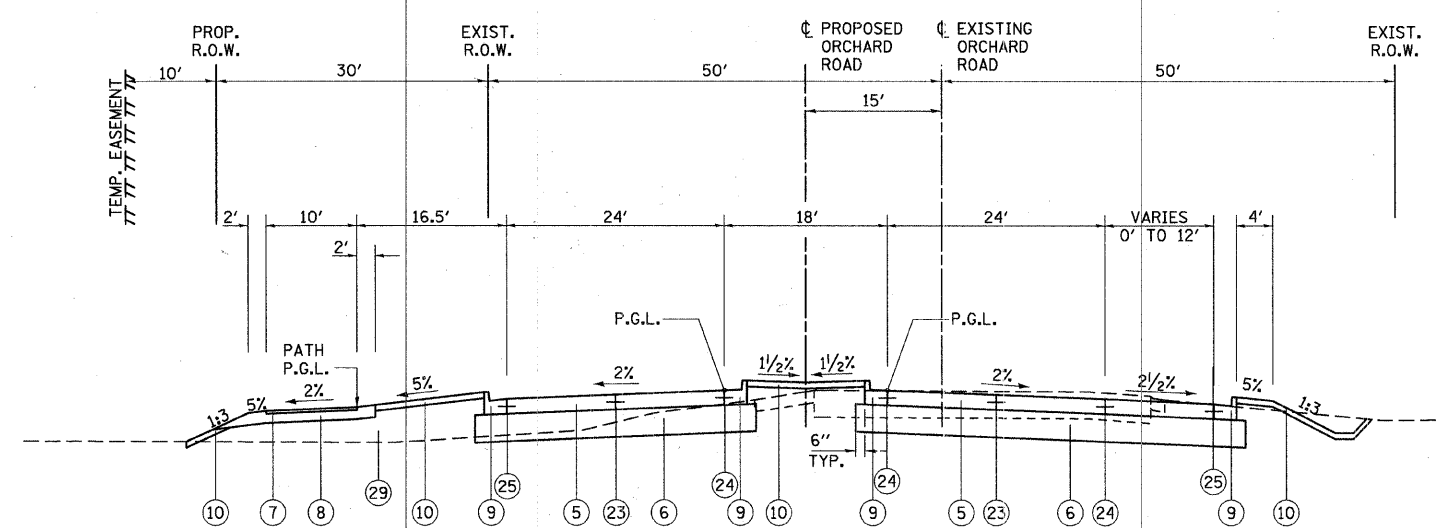
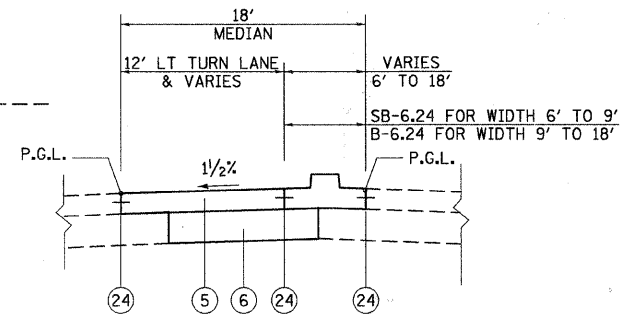


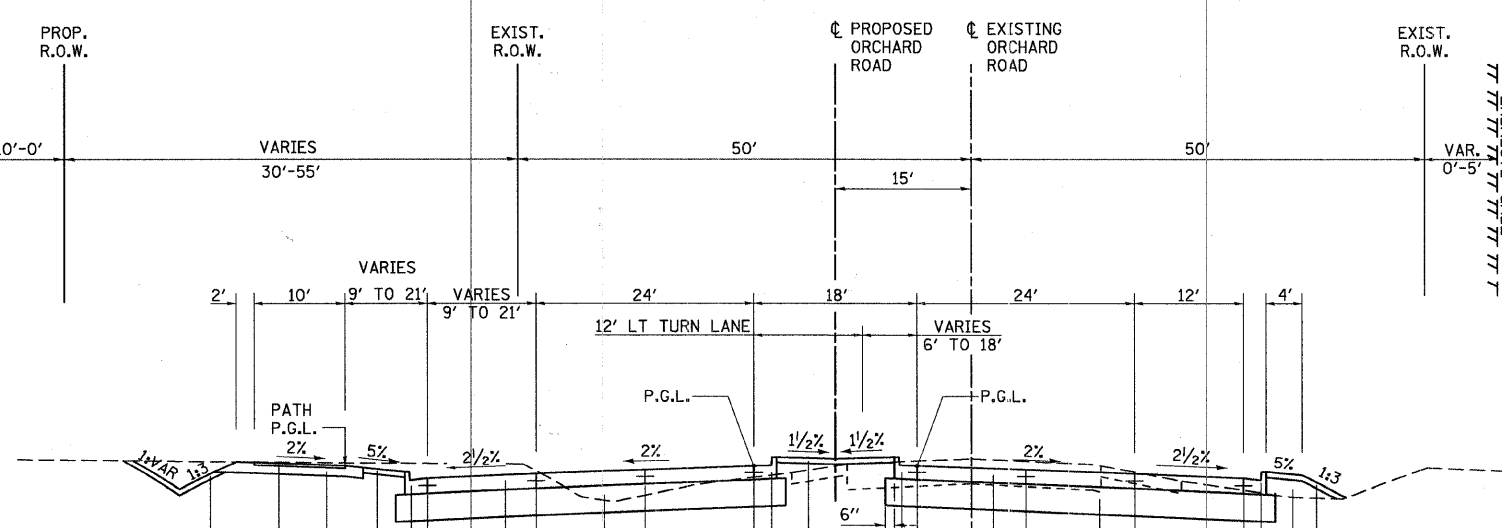
STRUCTURAL DESIGN TRAFFIC:	Year <u>2020</u>		
	PV = <u>35,530</u>	SU = <u>1,140</u>	MU = <u>1,330</u>
ROAD/STREET CLASSIFICATION:	Class <u>I</u>		
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
	P = <u>32 %</u>	S = <u>45 %</u>	M = <u>45 %</u>
TRAFFIC FACTOR:	Actual TF = <u>9.85</u>		
	Minimum TF = <u>6.03</u>		
12' LANE TIED SHOULDER OR CURB & GUTTER			
SUBGRADE SUPPORT RATING:	SSR = <u>Poor</u> (Sta. <u>111+22.39</u> to <u>190+47.48</u> )		



**PROPOSED ORCHARD ROAD**  
STA. 111+22.39 TO 116+14.41



**LEFT TURN LANE DETAIL**  
STA. 116+11.11 TO 120+09.41  
STA. 127+67.00 TO 132+43.99  
STA. 147+57.31 TO 151+59.87  
STA. 155+46.73 TO 159+88.25  
STA. 164+49.55 TO 168+24.12  
STA. 172+86.24 TO 175+71.51  
STA. 179+59.53 TO 184+26.38



**PROPOSED ORCHARD ROAD**  
STA. 116+14.41 TO 121+54.41

**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)

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 1/20/2011  
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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**

SCALE: N/A	SHEET NO. 2 OF 5 SHEETS	STA. TO STA.
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F.A.P. RTE. 336	SECTION 99-00232-01-WR	COUNTY KANE	TOTAL SHEETS 215	SHEET NO. 11
CONTRACT NO. 63541			ILLINOIS FED. AID PROJECT	