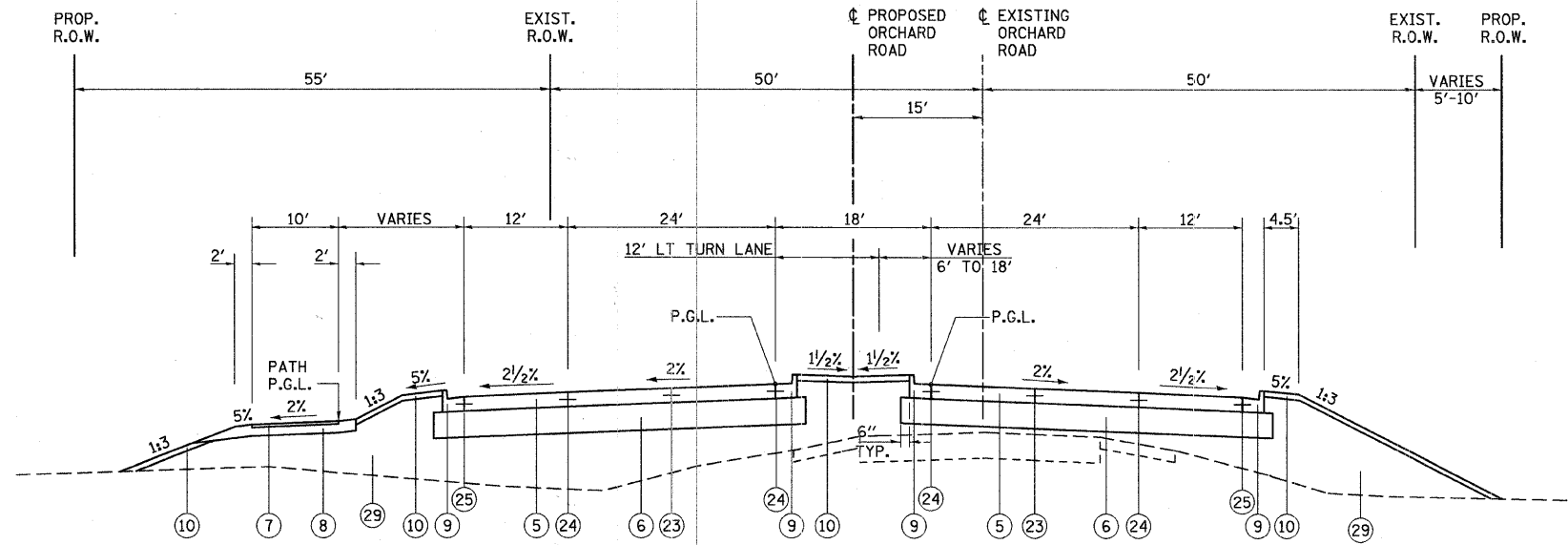
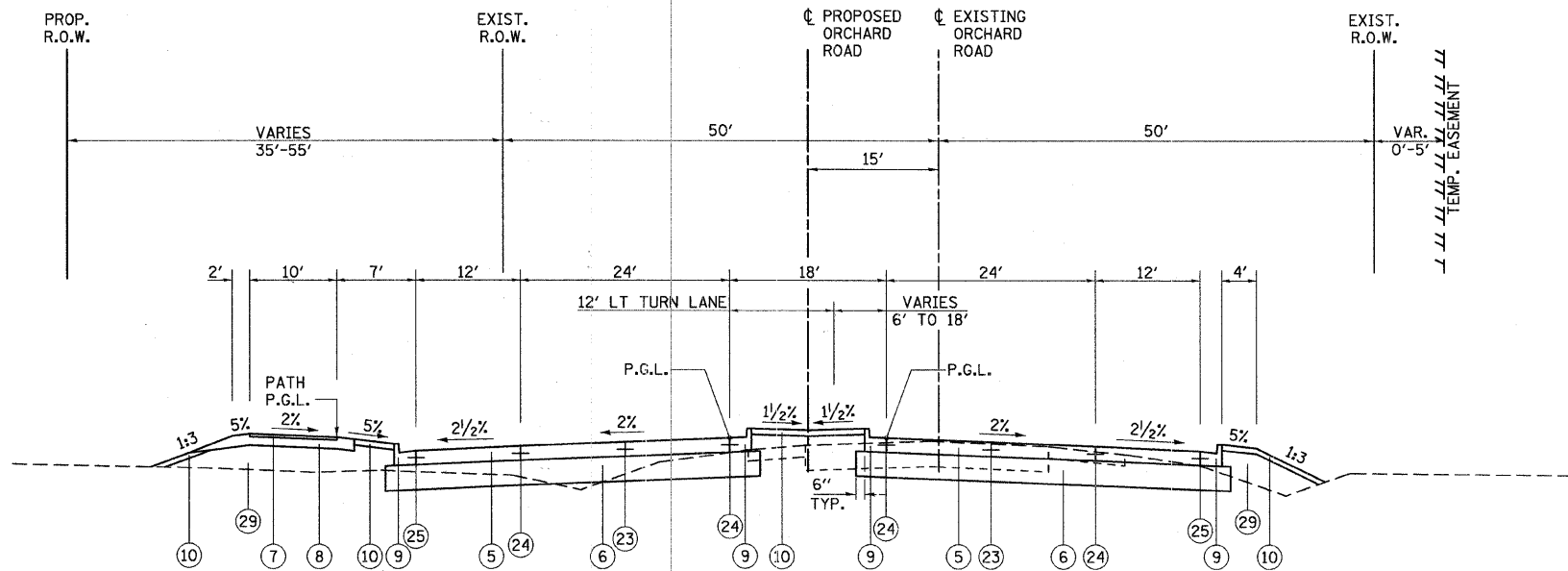


| | | | |
|--|--|-------------------|-------------------|
| STRUCTURAL DESIGN TRAFFIC: | Year <u>2020</u> | | |
| | PV = <u>35,530</u> | SU = <u>1,140</u> | MU = <u>1,330</u> |
| ROAD/STREET CLASSIFICATION: | Class <u>I</u> | | |
| PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE: | P = <u>32 %</u> 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. 121+54.41 TO 149+50.00



PROPOSED ORCHARD ROAD

STA. 149+50.00 TO 171+63.00

LEGEND

- ① EXISTING SUB-BASE GRANULAR MATERIAL
- ② EXISTING POZZOLANIC BASE, 8 1/2"
- ③ EXISTING HOT-MIX ASPHALT OVERLAY, DEPTH VARIES 5" TO 11"
- 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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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

ORCHARD ROAD
TYPICAL SECTIONS

| | | | | |
|---------------------------|----------------|--------------------|-------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 336 | 99-00232-01-WR | KANE | 215 | 12 |
| SCALE: N/A | | | SHEET NO. 3 OF 5 SHEETS | |
| STA. TO STA. | | CONTRACT NO. 63541 | | |
| ILLINOIS FED. AID PROJECT | | | | |