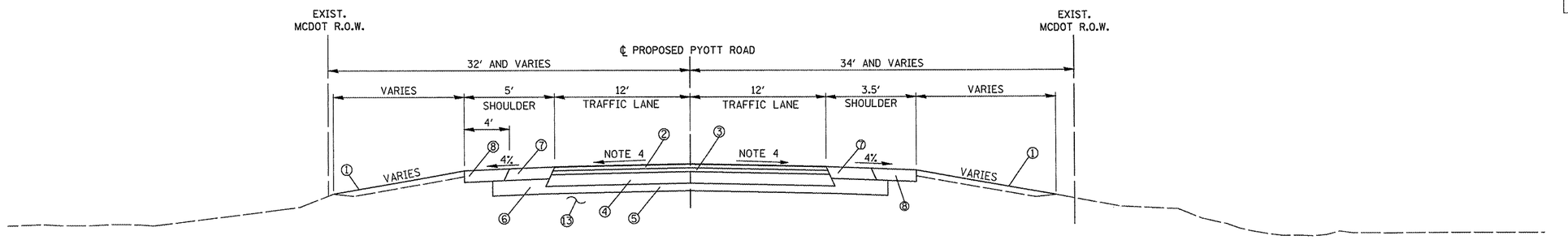
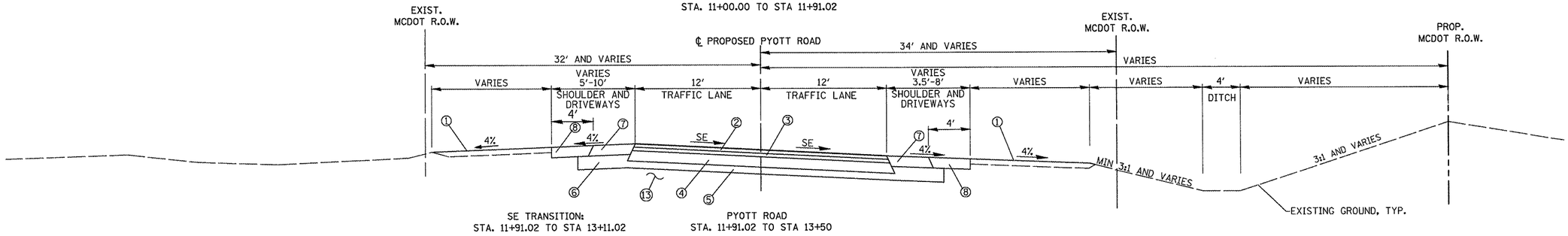
Hanson Professional Services Inc.
Suite 200, 815 Commerce Drive
Oak Brook, Illinois 60523

HANSON





NOTES:

1. SUPERELEVATION DIRECTION IS OPPOSITE TYPICAL. RIGHT AND LEFT SHOULDERS SHALL BE REVERSED ACCORDINGLY.

2. CENTER TURN LANE:
   TRANSITION FROM 0' TO 12' -
   STA. 19+03.76 TO STA. 21+23.76
   STA. 34+46.24 TO STA. 36+25.94
   STA. 44+24.42 TO STA. 46+04.58
   12' -
   STA. 21+23.76 TO STA. 22+99.65
   STA. 36+25.94 TO STA. 38+76.24
   STA. 46+04.58 TO STA. 47+00.00

3. CLEARANCE REQUIREMENTS WILL BE ADJUSTED ON THE OUTSIDE CURVE AS REQUIRED.

4. PAVEMENT CROSS SLOPE = 2% EXCEPT FOR TRANSITIONS TO EXISTING 1.5%

5. RIGHT TURN LANE:
   12' -
   STA. 24+73.49 TO STA. 27+28.49
   STA. 39+80.24 TO STA. 42+30.24
   TRANSITION FROM 0' TO 12' -
   STA. 27+28.49 TO STA. 29+08.49
   STA. 42+30.24 TO STA. 44+10.24

   THE RIGHT TURN LANE TRANSITIONS TO AN ADDITIONAL 12' LANE AVAILABLE FOR FUTURE USE BETWEEN STATIONS 42+30.24 AND 45+10.00

6. STA. 22+99.65 TO STA. 24+73.49 AND STA. 38+76.24 TO STA. 39+80.24 ARE INTERSECTIONS AND ARE NOT REPRESENTED IN THE TYPICAL SECTIONS. SEE THE CROSS SECTIONS OR GRADING PLANS FOR ADDITIONAL INFORMATION.

7. SHOULDER SLOPES SHALL BE 4% EXCEPT AT EXISTING DRIVEWAYS. AT THESE LOCATIONS, THE SLOPE SHALL BE SUCH TO ALLOW THE PROPOSED PAVEMENT TO MEET EXISTING DRIVEWAY PAVEMENTS.

8. DITCH DIMENSIONS AND SLOPES VARY. FOR MORE INFORMATION, SEE THE CROSS SECTIONS AND INTERSECTION PLANS.

9. ALL SAW CUTTING FOR BUTT JOINTS AND PAVEMENT WIDENING SHALL BE PAID FOR UNDER AR401665

10. 4" TOPSOIL AND SEEDING MIXTURE 2A ARE REQUIRED AT PROPOSED FINISHED GRADE. SEE CROSS SECTIONS FOR DETAILS.

STRUCTURAL DESIGN TRAFFIC: YEAR 2028

PV = 12772 SU = 144 MU = 84

ROAD/STREET CLASSIFICATION CLASS = II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 50 S = 50 M= 50

TRAFFIC FACTOR: ACTUAL TF = 0.503 AC TYPE = _____

MINIMUM TF = 0.5

PC GRADE: BINDER = PG 64-22 SURFACE = PG 64-22

SUBGRADE SUPPORT RATING:

SSR = POOR

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE USE	AC TYPE	AIR VOIDS (%)
ROADWAY	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"	PG 64-22	4% @ 70 GYR.
	HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2.25"	PG 64-22	4% @ 70 GYR.
	HOT-MIX ASPHALT BASE COURSE 8"	PG 58-22	2% @ 50 GYR.
DRIVEWAYS	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"	PG 64-22	4% @ 50 GYR.
	HOT-MIX ASPHALT BASE COURSE, 8"	PG 58-22	2% @ 50 GYR.
SHOULDERS	HOT-MIX ASPHALT SHOULDERS, 8"	PG 58-22	2% @ 30 GYR.
TEMPORARY PAVEMENT	HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2"	PG 64-22	4% @ 70 GYR.
BICYCLE PATH PAVEMENT	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"	PG 64-22	4% @ 50 GYR.

NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASHPHALT SURFACE MIXTURE QUANTITIES IS 115 LBS/SY/IN.

2. WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

PROPOSED LEGEND

① PROPOSED FINISHED GRADE, VARIES. SEE NOTE 10 AND CROSS SECTIONS.

② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, PG 64-22, ITEM AR803019, 1.5"

③ HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, PG 64-22, ITEM AR803021, 2.25"

④ HOT-MIX ASPHALT BASE COURSE, PG 58-22, 8" ITEM AR803022

⑤ SUBBASE GRANULAR MATERIAL, TYPE B, 4" ITEM AR803025

⑥ SUBBASE GRANULAR MATERIAL, TYPE B, 7.75" ITEM AR803026

⑦ HOT-MIX ASPHALT SHOULDERS, 8", ITEM AR803024

⑧ AGGREGATE SHOULDER, TYPE B, 8" ITEM AR803027

⑨ SEEDING MIXTURE 2A, ITEM AR803002. 10' STRIP ADJACENT TO PROPOSED ROADWAY. SEE EROSION CONTROL PLANS FOR DETAILS.

⑩ 8" AGGREGATE BASE COURSE, ITEM AR208608

⑪ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, PG 64-22, ITEM AR803023, 3"

⑫ 4' SODDING ITEM AR904510

⑬ SUBGRADE, COMPACTED & PROOF ROLLED

⑭ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, PG 64-22, ITEM AR803023, 2"

FILE NAME = I:\05jobs\00841\05b8021\civil part b\sheets\C-502TYP1.sht	USER NAME = Blain01219	DESIGNED - LDH	REVISED -
		DRAWN - LDH	REVISED -
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	PLOT DATE = 02\25\2009, 11:39 AM	DATE - 05/21/08	REVISED -

VILLAGE OF LAKE IN THE HILLS, ILLINOIS

PROPOSED TYPICAL SECTIONS PYOTT ROAD

SCALE:

COUNTY	TOTAL SHEETS	SHEET NO.
MCHENRY	143	18

AIP NO. 3-17-0112-B10 | ILLINOIS | IDA NO. 3CK-3807