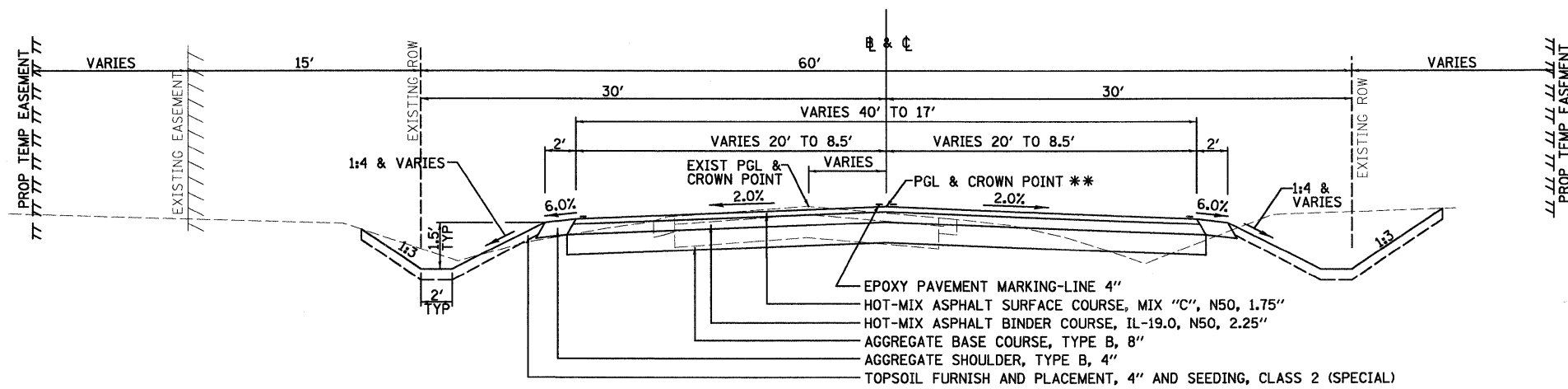


PROPOSED TYPICAL SECTION - RICKELMAN AVENUE
 STA 14+80.00 TO STA 24+10.00
 (LOOKING EAST)

SEE PLAN SHEETS AND SPECIAL PROVISIONS
 FOR CLASS C PATCH DETAILS
 STA 13+80.00 TO STA 14+80.00

- TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2 (SPECIAL)
- SAWED LONGITUDINAL OR TIED CONSTRUCTION JOINT W/ #6 EPOXY COATED TIE BARS, 30" LONG @ 30" (SAWED) OR 24" (CONSTRUCTION CENTERS) (TYP)
- EPOXY PAVEMENT MARKING-LINE 4"
- PORTLAND CEMENT CONCRETE PAVEMENT, 10" *
- SUB-BASE GRANULAR MATERIAL, TYPE B, 12"
- TIED CONSTRUCTION JOINT W/ #6 EPOXY COATED TIE BARS, 30" LONG @ 24" CENTERS (TYP)
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- PORTLAND CEMENT CONCRETE SIDEWALK 4" (6" @ PRIVATE ENTRANCES, 8" @ COMMERCIAL ENTRANCES)

* SEE STAGING PLANS, QUANTITY SCHEDULES & SPECIAL PROVISIONS FOR LOCATIONS OF "HIGH EARLY-STRENGTH" PAVEMENT



PROPOSED TYPICAL SECTION - RICKELMAN AVENUE
 STA 24+10.00 TO STA 24+60.00
 (LOOKING EAST)

** CROWN LOCATION SHIFTS
 NORTH TO MATCH CENTERLINE
 OF EXISTING ROAD

- EPOXY PAVEMENT MARKING-LINE 4"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.75"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
- AGGREGATE BASE COURSE, TYPE B, 8"
- AGGREGATE SHOULDER, TYPE B, 4"
- TOPSOIL FURNISH AND PLACEMENT, 4" AND SEEDING, CLASS 2 (SPECIAL)

SECTION: 07-00112-00-PV
PAVEMENT DESIGN - RICKELMAN AVE
 CLASS II STREET: COLLECTOR (80,000 LB TRUCKS)
 STRUCTURAL DESIGN TRAFFIC (2020): PV= 7,246
 SU= 255
 MU= 2,228
 SUBGRADE SUPPORT RATING: POOR
 TRAFFIC FACTOR: 12.99

- NOTES**
1. SEE THE PAVEMENT MARKING PLAN FOR STRIPING DETAILS.
 2. MAXIMUM TRANSVERSE PCC PAVEMENT JOINT SPACING IS 15'-0".
 3. SEE PLAN AND PROFILE SHEETS FOR PROPOSED SIDEWALK LOCATIONS.
 4. SEE IDOT STANDARD DETAILS FOR TIE BAR DETAILS AND REQUIREMENTS. TIE BAR COSTS ARE TO BE INCLUDED IN THE COST OF PCC PAVEMENT.
 5. 1.5" DIAMETER EPOXY COATED DOWEL BARS SHALL BE REQUIRED AT ALL TRAVERSE EXPANSION AND CONTRACTION JOINTS. DOWELS SHALL BE 18" LONG AND AT 12" CENTERS (TYP.).

MIXTURE REQUIREMENTS		
MIXTURE USE(S)	HOT-MIX ASPHALT SURFACE	HOT-MIX ASPHALT BINDER
AC/PG	PG 70-22	PG 70-22
RAP % (MAX):	15%	25%
DESIGN AIR VOIDS	4.0% @ Ndes = 50	4.0% @ Ndes = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX "C"	N/A

IL 45 TO EAST OF BOX

FILE NAME: 0090198_Typeweat.dgn	USER NAME: #USER1#	DESIGNED: PSA	REVISED: -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV PROPOSED TYPICAL SECTIONS	F.A.U. RTE. 8376	SECTION 07-00112-00-PV	COUNTY EFFINGHAM	TOTAL SHEETS 53	SHEET NO. 5	
PLOT SCALE: #SCALE#	CHECKED: PJM	DATE: 10/19/10	REVISED: -			SCALE: N.T.S.	SHEET NO. OF SHEETS	STA: 13+80.00 TO STA: 24+60.00	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	CONTRACT NO. 95635
DESIGNED: JTC	REVISED: -	DATE: 10/19/10	REVISED: -			FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX					
DATE: 10/19/2010	REVISED: -										