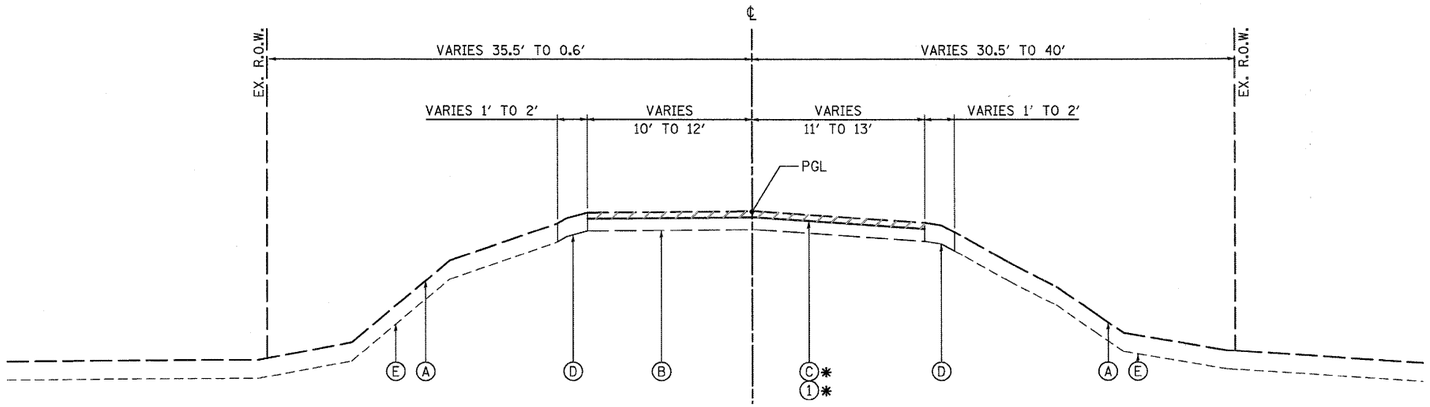
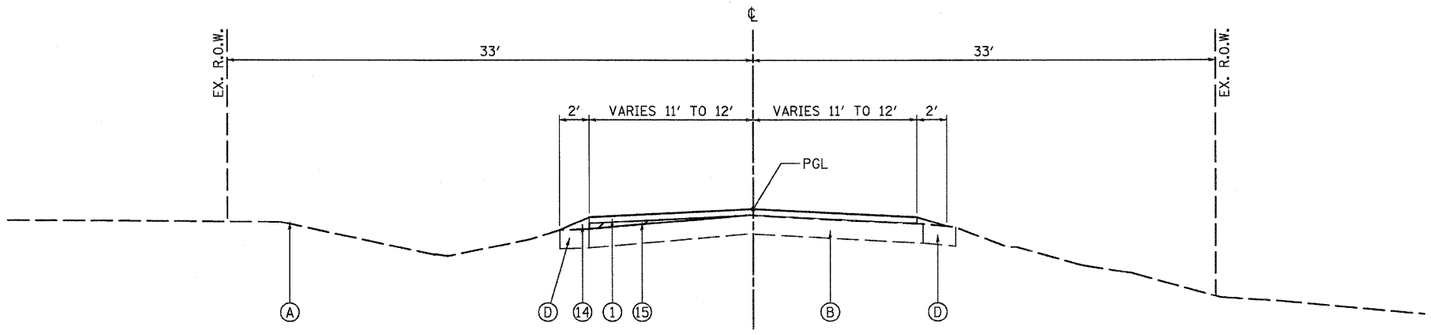


EXISTING TYPICAL SECTION

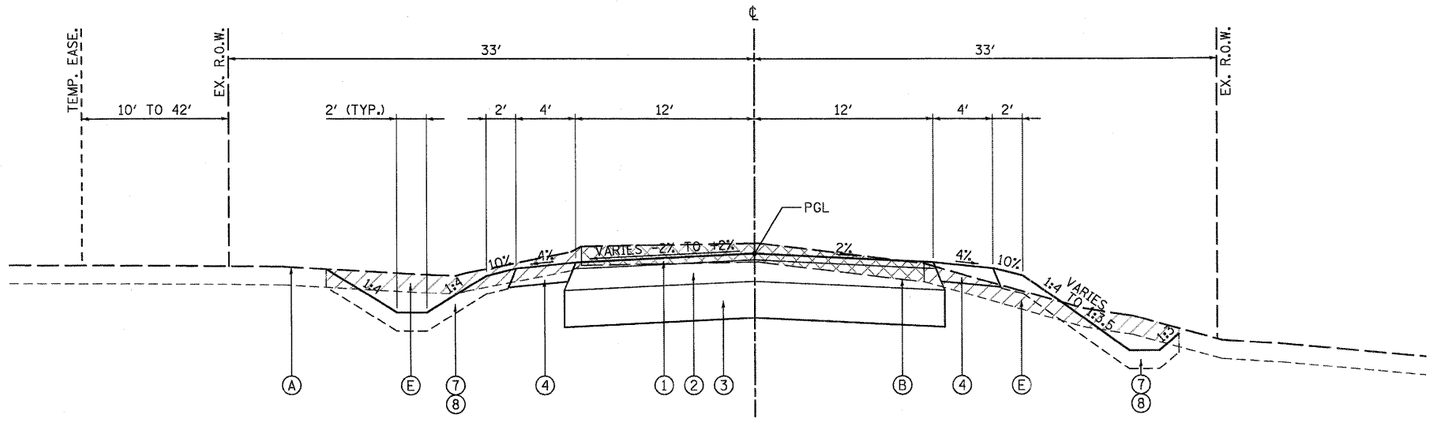
STA. 7+00 TO STA. 23+40, BURR ROAD

• STA. 7+00 TO STA. 8+00, BURR ROAD



PROPOSED TYPICAL SECTION NO. 1

STA. 15+70 TO STA. 23+40, BURR ROAD



PROPOSED TYPICAL SECTION NO. 2

STA. 8+00 TO STA. 9+09 LT / STA. 8+78 RT, BURR ROAD

STA. 14+17 LT / STA. 13+68 TO STA. 15+70, BURR ROAD

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 5" - 7.5" (NOTE 1)
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 2" - SURFACE REMOVAL (44000157)
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING TOPSOIL

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED OCTOBER 6, 2009. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED AND THE EXTENT TO WHICH IT WAS REINFORCED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS OR FOR VARIATIONS IN THE AMOUNT OF REINFORCEMENT.

LEGEND, PROPOSED

- (1) 2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- (2) 7" HMA BASE COURSE, IL-19.0, 7" (2 LIFTS - 35501312)
- (3) AGGREGATE SUBGRADE, 12" (Z0001050)
- (4) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- (5) HMA SHOULDERS, 8" (48203029)
- (6) SUB BASE GRANULAR MATERIAL, TYPE B (31101100)
- (7) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (8) SEEDING W/EROSION CONTROL BLANKET OR HD EROSION CONTROL BLANKET
- (9) STRUCTURAL EMBANKMENT (TO BE PAID AS FURNISHED EXCAVATION - 20400800)
- (10) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001) (STD. BLR 26-2)
- (11) PIPE UNDERDRAIN WITH FILTER FABRIC ENVELOPE, 4" (60107600)
- (12) POROUS GRANULAR EMBANKEMENT, SUBGRADE (20700420)
- (13) GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)
- (14) AGGREGATE WEDGE SHOULDER, TYPE B (48102100)
- (15) LEVELING BINDER (MACHINE METHOD), N50 (40600625)

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2022
PV = 7680 SU = 240 MU = 80
ROAD/STREET CLASSIFICATION: Class 2
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 96 S = 3 M = 1
TRAFFIC FACTOR: Actual TF = 0.59 AC Type = PG 64-22
Minimum TF = NA
PG GRADE: Binder = PG 64-22 /58-22 Surface = PG 64-22
SUBGRADE SUPPORT RATING: SSR = (FAIR)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
ITEM	AIR VOIDS @ Ndes
BURR ROAD - RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 7" (2 LIFTS)	4% @ 50 GYR.
BURR ROAD - HMA RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N50 (2" MAX. PER LIFT)	4% @ 50 GYR.
BURR ROAD - APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.
HMA SHOULDERS	
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 8" (2 LIFTS)	2% @ 30 GYR.
DRIVEWAYS- P.E.	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 6" (2 LIFTS)	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

THE AC TYPE FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

FILE NAME = W:\Projects\2010\080025 BurrFerson11\coadd\Civil\Dgn\Sht\Typical1.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE =	CHECKED - SBP	REVISED -
PLOT DATE = 10/19/2011	DATE - 10/24/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: | SHEET NO. 14 OF 76 SHEETS | STA. | TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	14
		CONTRACT NO. 63645		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		