

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	04-00167-00-WR	DEKALB	62	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING BIT. CONC. PAVEMENT, CLASS I, 11"
- (C) EXISTING B.A.M., 6"
- (D) EXISTING LIME STABILIZED SOIL, 6"
- (E) EXISTING AGG. SHOULDER
- (F) EXISTING TY. B6.12 C&G (TO BE REMOVED)
- (G) EXISTING P.C.C. SIDEWALK (TO REMAIN)

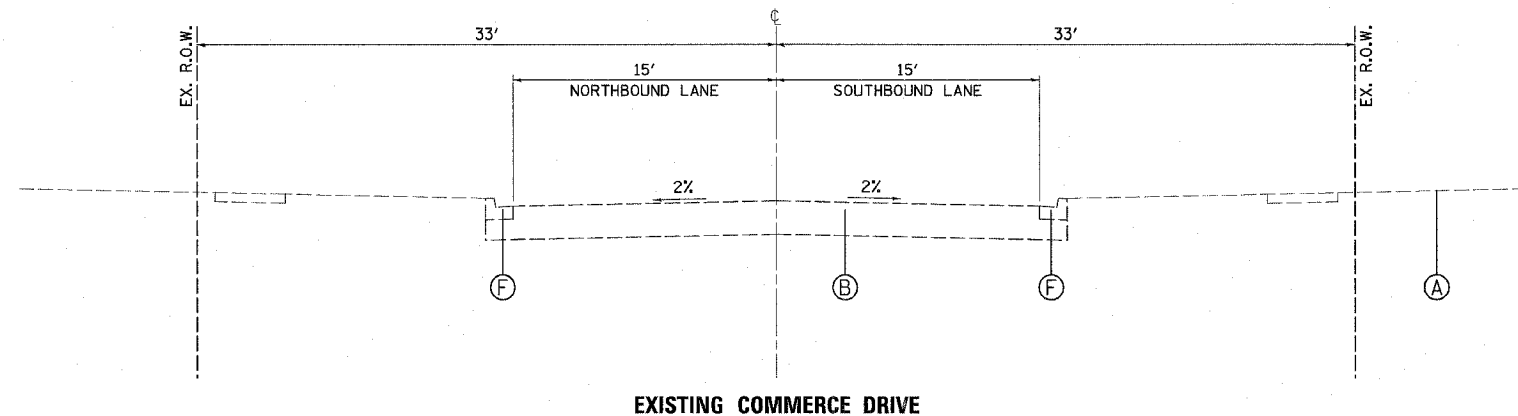
LEGEND, PROPOSED

- (1) PROPOSED GROUND
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2-1/4"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-3/4"
- (4) LEVELING BINDER, N70, DEPTH VARIES 2" TO 6" (+/-)
- (5) AGGREGATE SHOULDER, 6" (TYPE A)
- (6) TYPE B6.12 CURB AND GUTTER (9" DEPTH)
- (7) AGGREGATE SUBGRADE, 12"
- (8) POROUS GRANULAR EMBANKMENT, VARIES (SEE EST. UNDERCUT TABLE)
- (9) FURNISHED EXCAVATION
- (10) TOPSOIL PLACEMENT, 4" / SEEDING / MULCH
- (11) TOPSOIL UNDERCUT, 4"
- (12) HOT-MIX ASPHALT SURFACE COURSE, BIKE PATH, MIX "C", N50, 3"
- (13) AGG. BASE, BIKE PATH, 6"
- (14) PCC SIDEWALK, 5"
- (15) STRIP CRACK CONTROL TREATMENT, SYSTEM A
- (16) PAVEMENT MILLING, VAR. DEPTH (2", OVERLAY < 4"; 0", OVERLAY > 6")
- (17) SUBBASE GRANULAR MATERIAL TYPE B, 4"

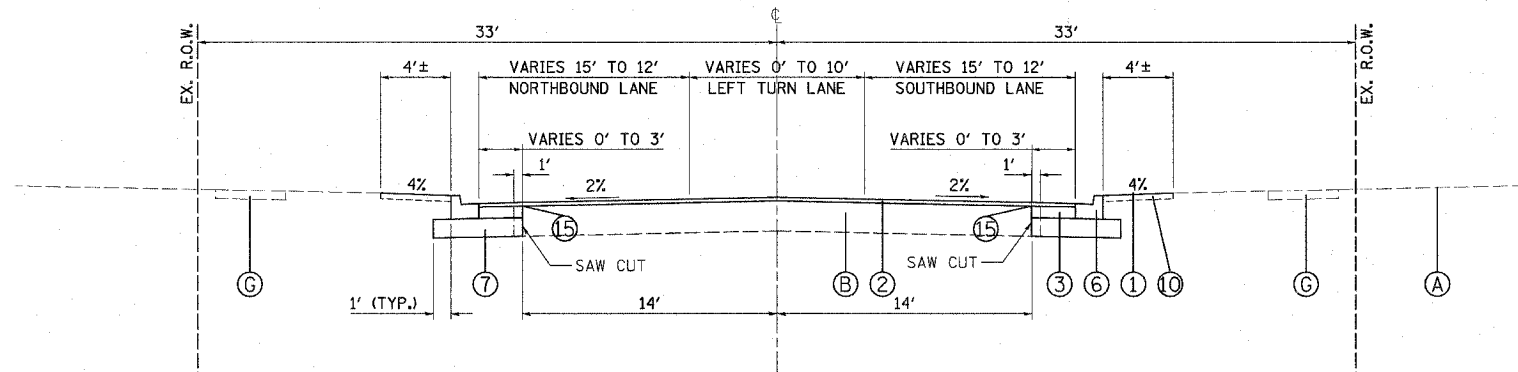
STRUCTURAL DESIGN TRAFFIC: 2017
 PV= 16,320
 SU= 340
 MU= 340
 CLASSIFICATION: I
 TRAFFIC FACTOR: 1.9
 AC TYPE: HMA
 PG GRADE: PG 64-28
 SSR: POOR

	HMA BINDER	HMA LEVELLING BINDER	HMA SURFACE	HMA BASE COURSE (DRIVEWAYS)	HMA SURFACE FOR DRIVEWAYS & BIKE PATH
PG GRADE	PG64-22	PG64-22	PG64-22	PG58-22	PG64-22
MAX. % RAP ALLOWABLE **	15%	15%	10%	25%	15%
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 9.5 OR IL 12.5	IL 19.0	IL 12.5 OR IL 19.0
FRICTION					
AGGREGATE DENSITY TEST METHOD	NUCLEAR/ CORES	SATISFACTION OF ENGINEER	MIXTURE D NUCLEAR/ CORES	NUCLEAR/ CORES	MIXTURE C SATISFACTION OF ENGINEER

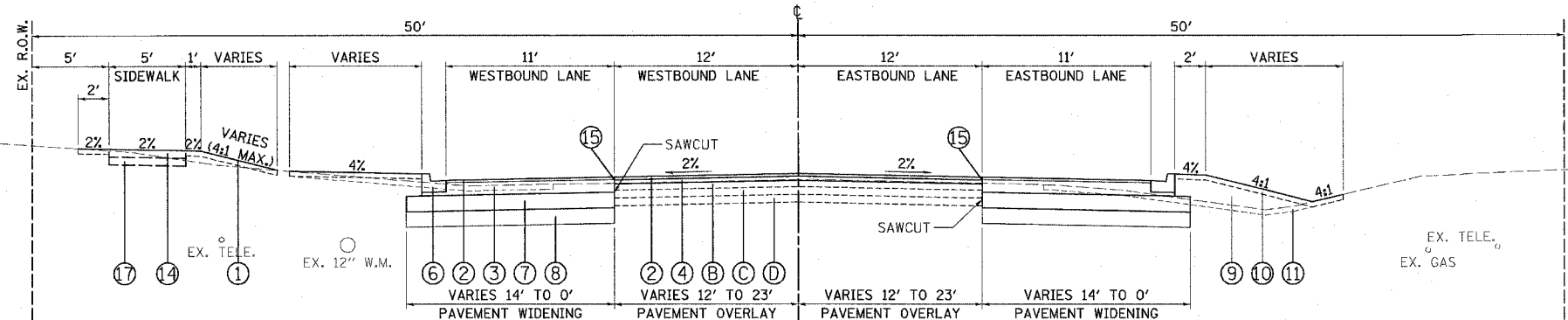
** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.



EXISTING COMMERCE DRIVE



PROPOSED COMMERCE DRIVE
 STA. 144+60 (+/-) TO STA. 145+91 (+/-)



STA. 43+00 TO STA. 46+60

EST. UNDERCUT TABLE

LOCATION	DEPTH
STA. 23+50 TO STA. 26+50	6"
STA. 32+50 TO STA. 44+00	6"
ELSEWHERE	0"

RHA&A
 Robert H. Anderson & Associates, Inc.
 Consulting Engineers
 Timbers Professional Center
 220 West River Drive, St. Charles, IL 60174
 Phone - 630.584.3530 Fax - 630.584.3047

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 BETHANY ROAD WIDENING
 FAIRWAY OAKS DRIVE TO RESOURCE PARKWAY
 CITY OF DEKALB
 PROPOSED TYPICAL SECTIONS
 BETHANY ROAD
 & COMMERCE DRIVE

SCALE: N.T.S. DRAWN BY KMA
 DATE 8/17/07 CHECKED BY BP