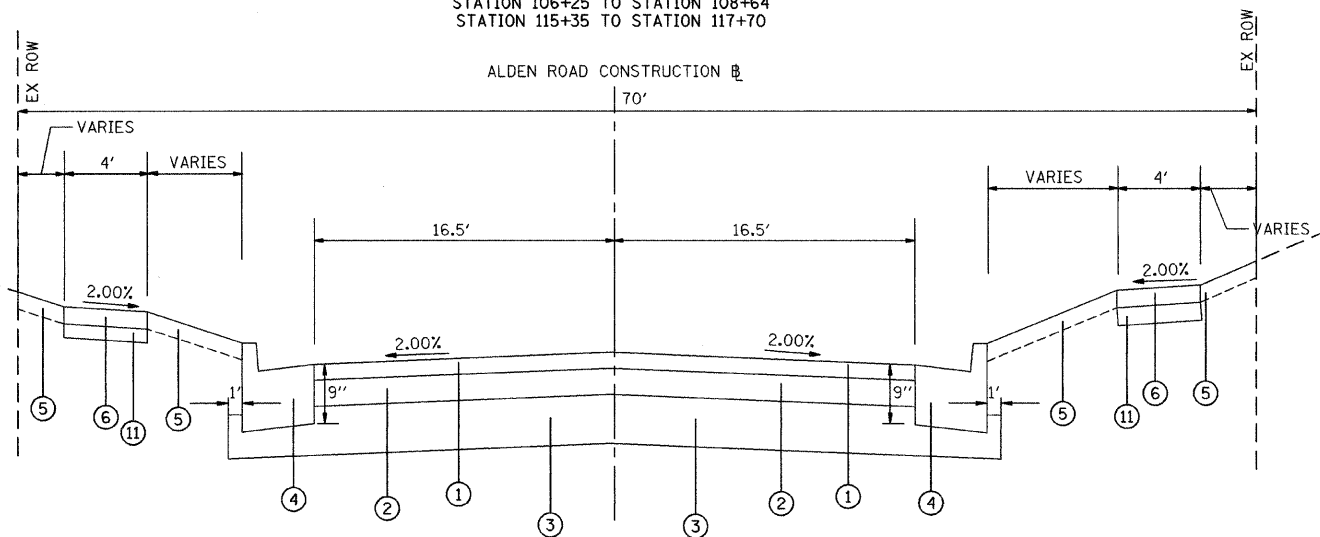
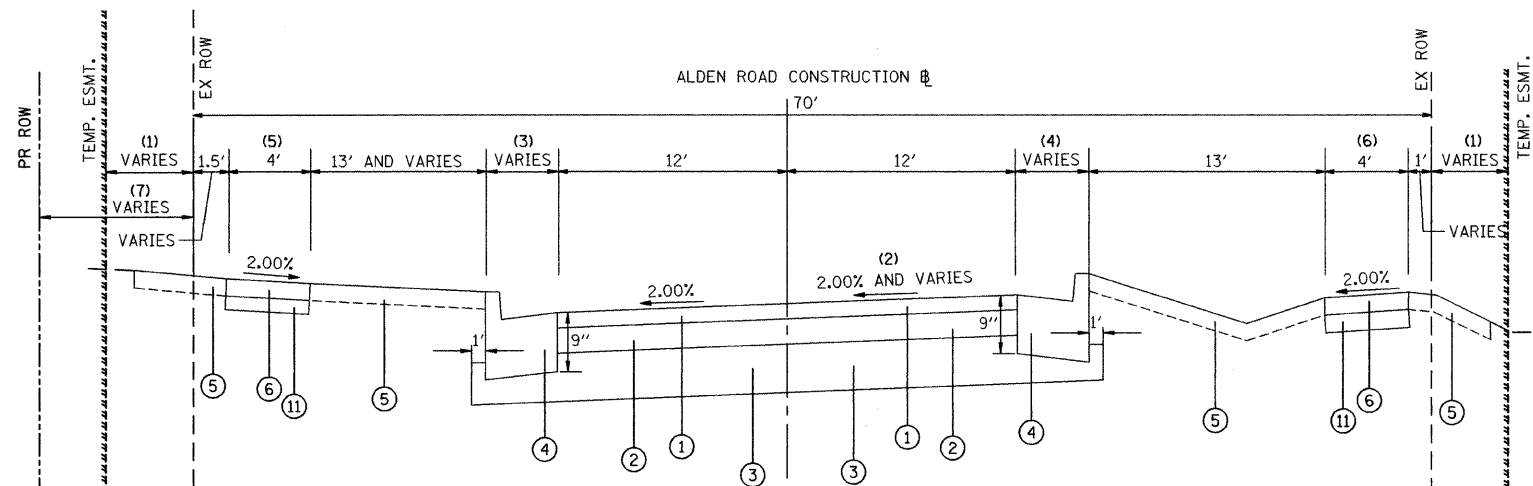


PROPOSED TYPICAL SECTION  
ALDEN ROAD RECONSTRUCTION  
STATION 106+25 TO STATION 108+64  
STATION 115+35 TO STATION 117+70



PROPOSED TYPICAL SECTION  
ALDEN ROAD RECONSTRUCTION  
STATION 108+64 TO 111+86.87  
STATION 112+13.64 TO 115+35.00



PROPOSED TYPICAL SECTION  
ALDEN ROAD RECONSTRUCTION  
STATION 117+70 TO 121+75

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70-2" (PAID FOR AS HMA PAVEMENT (FULL DEPTH) 8")
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70-6" (PAID FOR AS HMA PAVEMENT (FULL DEPTH) 8") (IN 2 LIFTS)
- ③ AGGREGATE SUBGRADE, 12"
- ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑤ TOPSOIL FURNISH AND PLACE, 6" SODDING, SALT TOLERANT
- ⑥ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑦ HOT-MIX ASPHALT SHOULDER, 6" (IN 2 LIFTS)
- ⑧ STEEL PLATE BEAM GUARD RAIL, TYPE A
- ⑨ AGGREGATE SHOULDER, 6"
- ⑩ SEEDING, CLASS 4A TOPSOIL FURNISH AND PLACE, 6"
- ⑪ SUB-BASE GRANULAR MATERIAL, TYPE B 4"

NOTES

- (1) SEE PLAN SHEETS FOR LOCATIONS OF TEMPORARY EASEMENTS
- (2) SUPERELEVATION TRANSITION STA 117+70 TO 118+50. SEE PLAN SHEETS FOR MORE INFORMATION.
- (3) TYPE B-6.24 CURB AND GUTTER ENDS AT STA 120+88 AND HMA SHOULDER, 6" BEGINS AT STA 121+15 LT
- (4) HMA SHOULDER, 6" BEGINS STA 121+62 RT
- (5) SIDEWALK ENDS, STA 119+47 LT
- (6) SIDEWALK ENDS, STA 121+75 RT
- (7) SEE PLAN SHEETS FOR LOCATIONS OF PROPOSED RIGHT OF WAY

HMA MIX REQUIREMENT CHART

MIXTURE TYPE	AIR VOID
HMA PAVEMENT (FULL DEPTH) 8" & BRIDGE APPROACH PAVEMENT CONNECTOR*	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2"	4% @ 70 GYRATIONS
HMA BINDER COURSE, IL-19.0, N70, 6"	4% @ 70 GYRATIONS
STABILIZED DRIVEWAYS 6"	
HMA SURFACE COURSE, MIX "C", N50 (IL 9.5mm) 2"	4% @ 50 GYRATIONS
*HMA BASE COURSE (HMA BINDER IL - 19mm) 4"	4% @ 50 GYRATIONS
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 2" (TEMPORARY PAVEMENT)	4% @ 50 GYRATIONS
HMA BINDER COURSE (IL - 19mm) 4" (TEMPORARY PAVEMENT)	4% @ 50 GYRATIONS
HMA SHOULDERS, 6"	2% @ 30 GYRATIONS
HMA BASE COURSE (BITUMINOUS MIXTURE FOR PATCHING POTHOLES) 6"	4% @ 70 GYRATIONS

- NOTES: 1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURES IS 112 LBS/SQ YD/IN  
2) THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

\*THE THICKNESS OF THE CONNECTOR PAVEMENT SHALL CONSIST OF 2" OF SURFACE OVER A VARIABLE DEPTH OF BINDER FROM 6" AT THE PROPOSED PAVEMENT TO 13" AT THE BRIDGE APPROACH PAVEMENT.

ALDEN ROAD

STRUCTURAL DESIGN TRAFFIC:	YEAR 2020
PV= 2,328	SU= 36 MU= 36
ROAD/STREET CLASSIFICATION:	CLASS II
TRAFFIC FACTOR:	ACTUAL TF= 0.18 AC TYPE= PG 64-28
THICKNESS BINDER= 6"	SURFACE= 2"
SUBGRADE SUPPORT RATING:	SSR= POOR

FILE NAME = g:\ch04\0003\roads\Sheets\G-100-Typ2.sht	USER NAME = CEComin	DESIGNED - RPJ	REVISED -
PLOT SCALE = 50.0000 Ft / IN.	DRAWN - RPJ	CHECKED - RPJ	REVISED -
PLOT DATE = 9/28/2009	DATE - 09/28/2009	CHECKED - DWB	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALDEN ROAD  
PROPOSED TYPICAL SECTIONS

NOT TO SCALE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.S. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0026	02-00269-00-BR	MCHENRY	153	10
CONTRACT NO. 63212				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				