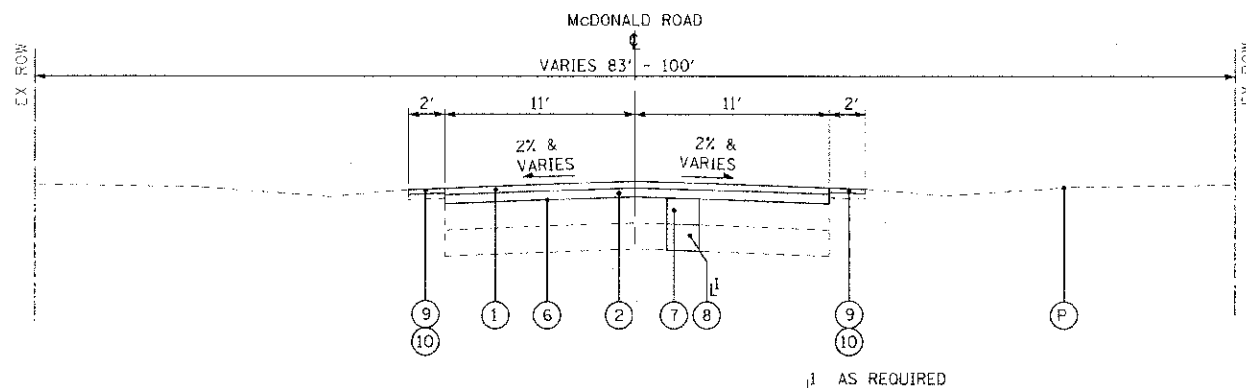
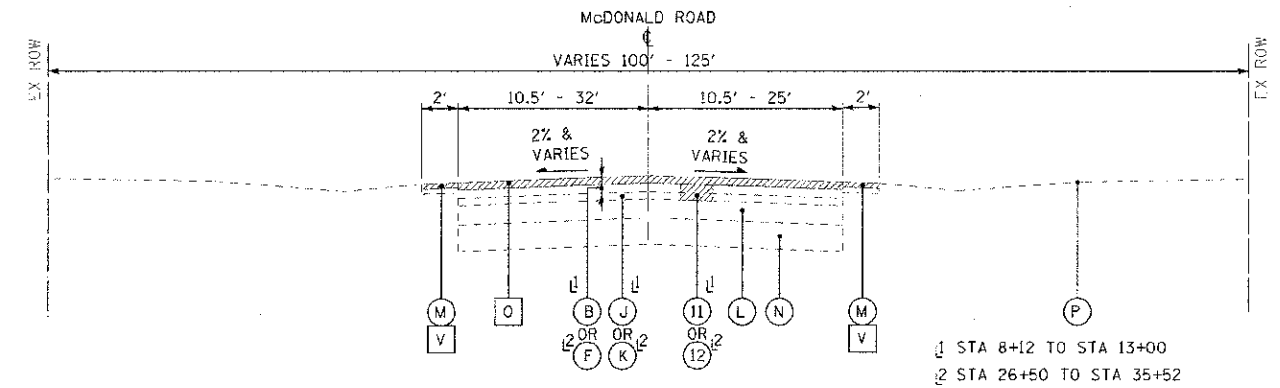


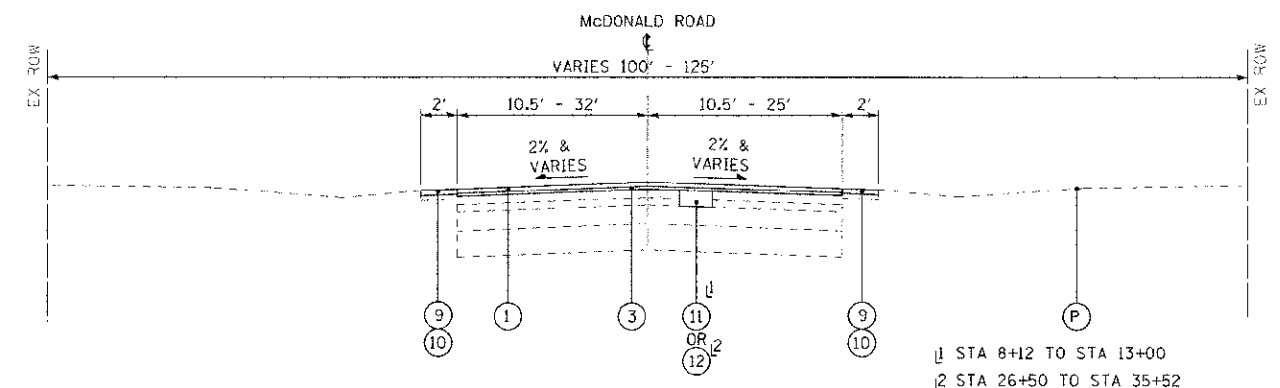
EXISTING TYPICAL SECTION
McDONALD ROAD
STA 2+00 TO STA 7+64



PROPOSED TYPICAL SECTION
McDONALD ROAD
STA 2+00 TO STA 7+64



EXISTING TYPICAL SECTION
McDONALD ROAD
STA 8+12 TO STA 13+00
STA 26+50 TO STA 35+52



PROPOSED TYPICAL SECTION
McDONALD ROAD
STA 8+12 TO STA 13+00
STA 26+50 TO STA 35+52

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE, 2 3/4" - 4 1/4"
- (B) EXISTING HOT-MIX ASPHALT SURFACE, 5 1/4"
- (C) EXISTING HOT-MIX ASPHALT SURFACE, 3 1/2"
- (D) EXISTING HOT-MIX ASPHALT SURFACE, 3"
- (E) EXISTING HOT-MIX ASPHALT SURFACE, 4 1/2"
- (F) EXISTING HOT-MIX ASPHALT SURFACE, 7 1/4"
- (G) EXISTING HOT-MIX ASPHALT BINDER, 6 3/4"
- (H) EXISTING AREA REFLECTIVE CRACK CONTROL
- (J) EXISTING HOT-MIX ASPHALT SURFACE TREATMENTS, 3/4" - 1"
- (K) EXISTING HOT-MIX ASPHALT SURFACE TREATMENTS, 1 1/4" - 1 1/2"
- (L) EXISTING CRUSHED AND UNCRUSHED GRAVEL AND SAND, G 1/2" - 1 1/2"
- (M) EXISTING AGGREGATE SHOULDER, 4" ±
- (N) EXISTING SUB-GRADE
- (P) EXISTING GROUND SURFACE
- (Q) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (R) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
- (S) HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- (T) HOT-MIX ASPHALT SURFACE REMOVAL, 5 1/4"
- (U) BASE COURSE REMOVAL (SPECIAL)
- (V) AGGREGATE SHOULDER REMOVAL, 2 1/2" (NOT PAID FOR SEPARATELY)
- (W) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 3 1/4"
- (3) LEVELING BINDER (MACHINE METHOD), N50 - 1"
- (4) LEVELING BINDER (MACHINE METHOD), N50 - 1 1/4"
- (5) LEVELING BINDER (MACHINE METHOD), N50 - 1 3/4"
- (6) PREPARATION OF BASE
- (7) AGGREGATE BASE COURSE, TYPE B
- (8) AGGREGATE SUBGRADE IMPROVEMENT **
- (9) GRADING AND SHAPING SHOULDERS
- (10) AGGREGATE WEDGE SHOULDER, TYPE B
- (11) CLASS D PATCHES, 4 INCH
- (12) CLASS D PATCHES, 6 INCH
- (13) CLASS D PATCHES, 7 INCH

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

CONTRACTOR WILL MILL FIRST

MIXTURE TYPE	AIR VOIDS @ Ndes
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 3 1/4"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50 (IL 9.5mm); 1", 1 1/4", 1 3/4"	4% @ 50 GYR
PATCHING	
CLASS D PATCHES (HOT-MIX ASPHALT BINDER, IL 19mm); 4" (1 LIFT), 6" (2 LIFTS), 7" (3 LIFTS)	4% @ 70 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50 (IL 9.5mm); 1"	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112LB/SY-IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" 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.

** AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

2024 BY BAXTER & WOODMAN, INC. PROJECT: VILLAGE OF SOUTH ELGIN, ILLINOIS, McDONALD ROAD, STP IMPROVEMENTS. SHEET NO. 5 OF 5. DATE: 06/22/2024.



DESIGNED	MWP	REVISED	IDCT REVIEW 06-20-12
DRAWN	KAR	REVISED	
CHECKED	MWP	REVISED	
DATE	06-22-12	FILE	J10783-TYPSEC.sht

VILLAGE OF SOUTH ELGIN, ILLINOIS
McDONALD ROAD
STP IMPROVEMENTS

TYPICAL SECTIONS AND
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

SCALE: NONE

STA. TO STA.

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	12-00040-00-95	KANE	21	5
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJ. ACCT.		CONTRACT NO. 63741	
C-91-296-12	M-90039754			