

STA 236+20.17 (COACHLIGHT RD) TO STA 241+51.56 STA 249+31.12 (RAINTREE DR) TO STA 253+62.36

EX & PR WALKUP RD 50' & VAR 45' & VAR MAINT -EX GROUND <u>۾</u> l× SEE NOTE 2 (TYPICAL) WALKUP ROAD - PROPOSED TYPICAL SECTION

STA 232+85.92 TO STA 236+20.17 (COACHLIGHT RD)

STA 240+51.56 TO STA 249+31.12 (RAINTREE DR)

STA 253+62.36 TO STA 258+70.00

STA 279+99.00 TO STA 299+00.00 ***

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	
FULL DEPTH PAVEMENT POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80: 2"	3.5% @ 80 GYR	
POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80; 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 11"	3.5% @ 80 GYR 4% @ 70 GYR 4% @ 70 GYR	(IN 4 LIFTS)
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90; 10"	4% @ 90 GYR	(IN 3 LIFTS)
PAVEMENT RESURFACING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 11/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 21/2" MIN. AND VARIES	4% @ 70 GYR 4% @ 70 GYR	
PAVEMENT WIDENING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 1\(\frac{1}{2}\)' HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2\(\frac{1}{2}\)' MIN. AND VARIES HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 9"	4% @ 70 GYR 4% @ 70 GYR 4% @ 70 GYR	(IN 3 LIFTS)
TEMPORARY PAVEMENT HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1½" HOT-MIX ASPHALT BINDER COURSE, N50, (IL-19.0) 6½"	4% @ 50 GYR 4% @ 50 GYR	(IN 2 LIFTS)
SHOULDERS HOT-MIX ASPHALT SHOULDER, 8" (HMA BINDER IL-19mm)	2% @ 30 GYR	(IN 3 LIFTS)
LEVELING BINDER (MACHINE METHOD), N70, (IL 9.5 MM), VARIES	4% @ 70 GYR	
DRIVEWAYS HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2" HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); (SEE SHEET 045)	4% @ 50 GYR 4% @ 50 GYR	(IN 2 LIFTS)
BIKEPATH HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 GYR	
PATCHING CLASS D PATCHES, (HMA BINDER IL-19 mm); 9"	4% @ 70 GYR	(IN 3 LIFTS)

(1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/ IN. (2) THE UNIT WEIGHT USED TO CALCULATE ALL HIMA SURFACE (22) 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.

(3) THE CONTRACTOR SHALL MILL BEFORE PATCHING.

PROPOSED LEGEND

- 3 SODDING, SALT TOLERANT
- (5) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")

- 7 COMBINATION CURB & GUTTER, TYPE B-6.24 (SEE NOTE 3 & 4)
- (8) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14'
 - STONE MATRIX ASPHALT, N80 (2")
 - POLYMERIZED HOT-MIX ASPHALT BINDER COURSE.
- 10A HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
- (1) LEVELING BINDER (MACHINE METHOD), N70 (VARIABLE DEPTH) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (10")

MU = 1018 PV = 18,519 SU = 814 ROAD/STREET CLASSIFICATION: CLASS PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE: P = 32S = 45ACTUAL TF = 8.11 TRAFFIC FACTOR AC TYPE = 20 MINIMUM TF = 6.40

(12) AGGREGATE SUBGRADE, 12"

(6) HOT-MIX ASPHALT SHOULDERS, 8"

(7) AGGREGATE SHOULDER, TYPE B 6"

SURFACE =

STRUCTURAL DESIGN TRAFFIC:

PG GRADE: BINDER

SSR = POOR

SUBGRADE SUPPORT RATING:

- SEE SHEET 028 AND CROSS SECTIONS FOR DEPTHS AND LOCATIONS OF UNDERCUT AND POROUS GRANULAR EMBANKMENT, SUBGRADE.
- 2. EXTEND THE SUBBASE OR AGGREGATE SUBGRADE AND ANY REQUIRED UNDERCUT 6" PAST THE BACK OF CURB AND BITUMINOUS WIDENING,
- 3. COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED FULL THICKNESS ON THE TOP OF THE SUBBASE.
- 4. THE BOTTOM SLOPE OF THE COMBINATION CONCRETE CURB AND GUTTER CONSTRUCTED ADJACENT TO THE PAVEMENT SHALL BE THE SAME SLOPE AS THE ADJACENT PAVEMENT.
- AGGREGATE BASE COURSE TYPE B SHALL MEET ALL THE REQUIREMENTS FOR AGGREGATE BASE COURSE TYPE A EXCEPT THAT ADDING WATER TO THE AGGREGATE (BY USE OF A CONTROLLED AGGREGATE MIXING SYSTEM) BEFORE IT IS DEPOSITED ON THE SUBGRADE WILL NOT BE REQUIRED.
- 6. WALKUP AVE/WALKUP RD STA 47+60 TO STA 52+70 HOT-MIX ASPHALT PAVEMENT (FULL DEPTH, 14") POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 (2")
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80 (2")
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (10")

2% AND VARIES. MAX 5.0%

- * LEFT TURN LANE/ PAINTED MEDIAN/ TWO WAY LEFT TURN LANE
- ** SEE PLAN FOR LOCATION OF SHARED USE PATH
- *** SEE PLAN FOR LOCATION OF CURB AND GUTTER TRANSITION TO SHOULDER

REVISIONS		
NAME	DATE	
		PROPOSED TYPICA
		WALKUP R
		SHEET 3 C
		3,,,,,
		SCALE: N.T.S.
		DATE: 04/15/11

MCHENRY COUNTY DIVISION OF TRANSPORTATION WALKUP ROAD F.A.U. 0085

L SECTIONS CAO OF 4

CHECKED BY: MCD

DRAWN BY: RJS

- 6 AGGREGATE BASE COURSE, TYPE B, 6" (SEE NOTE 5)
- - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2") HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (11")
 - 10 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 (2")

 - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (21/2" & VAR DEPTH)
 - (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (9")

(19) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (11/2")

(3) STRIP REFLECTIVE CRACK CONTROL TREATMENT (TYPE A)

14 HOT-MIX ASPHALT BASE COURSE WIDENING, 12"

(18) SUBBASE GRANULAR MATERIAL, TYPE B, 6"

- (2) SEEDING, CLASS 2A & EROSION CONTROL BLANKET
 - POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE.
 - STONE MATRIX ASPHALT, NBO (2")

9 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13" (SEE NOTE 6) (5) HOT-MIX ASPHALT BASE COURSE, 11"

4 PORTLAND CEMENT CONCRETE SIDEWALK, 5"

2027