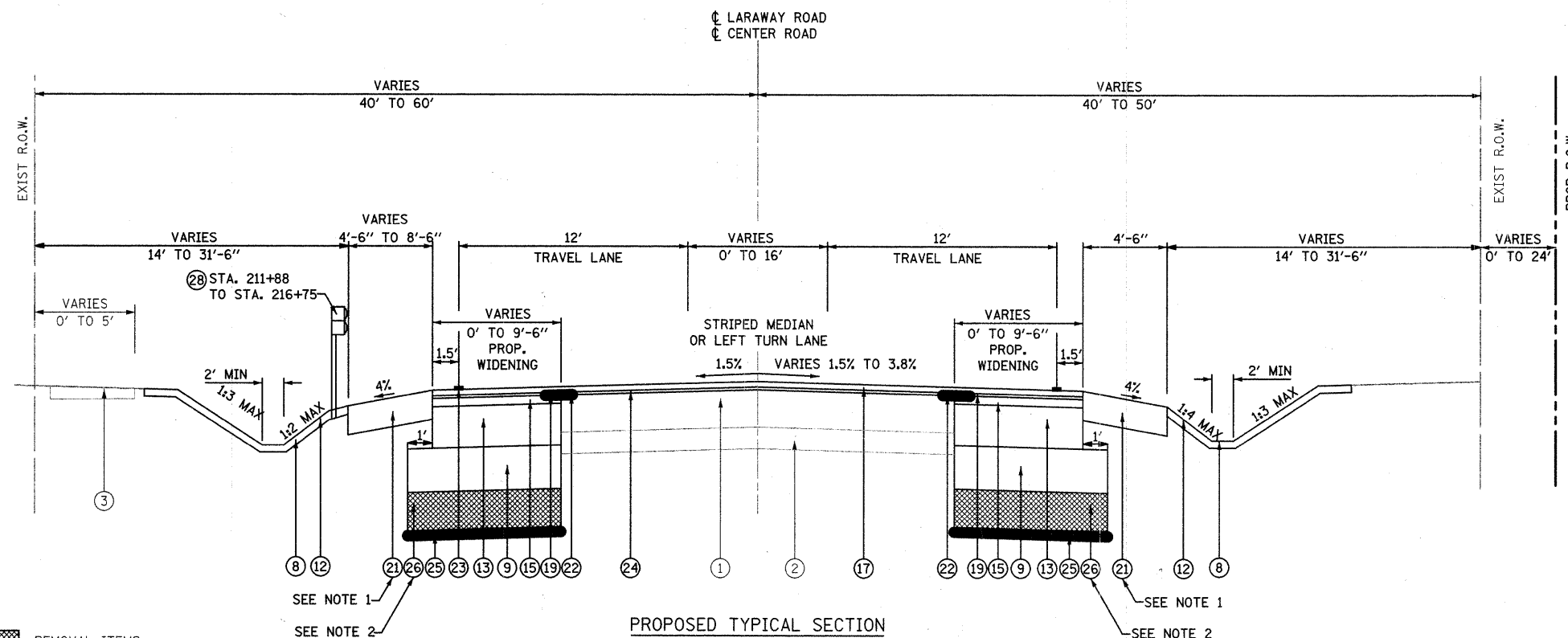


EXISTING TYPICAL SECTION
 STA. 102+40 - STA. 107+40 (CENTER ROAD)
 STA. 204+02 - STA. 209+20 (LARAWAY ROAD)
 STA. 213+50 - STA. 217+30 (LARAWAY ROAD)



PROPOSED TYPICAL SECTION
 STA. 102+40 - STA. 107+40 (CENTER ROAD)
 STA. 204+02 - STA. 209+20 (LARAWAY ROAD)
 STA. 213+50 - STA. 217+30 (LARAWAY ROAD)

STRUCTURAL PAVEMENT DESIGN INFORMATION - LARAWAY ROAD

STRUCTURAL TRAFFIC: YEAR 2020		
PV= 12,556	SU= 1,314	MU= 730
ROAD/STREET CLASSIFICATION: CLASS II		
P= 86%	S= 9%	M= 5%
TRAFFIC FACTOR: ACTUAL TF= 3.47		
MINIMUM TF= N/A		
BINDER = PG 64-22	SURFACE= PG 64-22	
SUBGRADE SUPPORT RATING:		
IBR= 3.0		

- 1 EXISTING HOT-MIX ASPHALT PAVEMENT (8.6" - 11.8")
- 2 EXISTING SUB-BASE GRANULAR MATERIAL (5" - 9")
- 3 EXISTING P.C.C. SIDEWALK, 5"
- 4 EXISTING TURF AREA
- 5 EXISTING AGGREGATE SHOULDERS
- 6 EXISTING COMB. CONCRETE CURB AND GUTTER TYPE B-6.18
- 7 EXISTING COMB. CONCRETE CURB AND GUTTER TYPE B-6.12
- 8 PROP. DRAINAGE SWALE/DITCH
- 9 PROP. AGGREGATE SUBGRADE, 12"
- 10 PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- 11 PROP. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 12 PROP. TOPSOIL FURNISH AND PLACE, 4", WITH PROP. SEEDING AND EROSION CONTROL BLANKET, OR PROP. SODDING, SALT TOLERANT
- 13 PROP. HOT-MIX ASPHALT BASE COURSE, 11.5"
- 14 PROP. HOT-MIX ASPHALT BASE COURSE, 10"
- 15 2.25", PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- 16 2.25", PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
- 17 1.5", PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- 18 1.5", PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
- 19 3/4" MIN. PROP. LEVELING BINDER (MACHINE METHOD), N70
- 20 3/4" MIN. PROP. LEVELING BINDER (MACHINE METHOD), N50
- 21 PROP. AGGREGATE SHOULDERS, TYPE B, 8"
- 22 STRIP REFLECTIVE CRACK CONTROL
- 23 THERMOPLASTIC PAVEMENT MARKING EDGE STRIPE
- 24 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- 25 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 26 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL & POROUS GRANULAR EMBANKMENT, SUBGRADE
- 27 PROP. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- 28 PROP. STEEL PLATE BEAM GUARD RAIL, TYPE A
- 29 PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- 30 PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 5"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
PAVEMENT RESURFACING / WIDENING / RECONSTRUCTION	
CENTER ROAD (NORTH OF LARAWAY)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 1.5"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.25"	4% @ 50 Gyr.
LEVELING BINDER (MACHINE METHOD), N50 (IL 9.5 mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 10"	4% @ 50 Gyr.
LARAWAY ROAD & CENTER ROAD (SOUTH LEG)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1.5"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2.25"	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5 mm)	4% @ 70 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 11.5"	4% @ 70 Gyr.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8"	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 Gyr.
OTHER	
INCIDENTAL HOT-MIX ASPHALT SURFACING (IL 9.5 mm, C)	4% @ 50 Gyr.

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

- NOTE:
1. AT THE INTERSECTION OF LARAWAY ROAD AND CENTER ROAD, COMBINATION CURB AND GUTTER, TYPE B-6.12 SHALL BE INSTALLED AT THE NORTHEAST, NORTHWEST, AND SOUTHEAST QUADRANTS. COMBINATION CURB AND GUTTER, TYPE B-6.24 SHALL BE INSTALLED AT THE SOUTHWEST QUADRANT.
 2. SEE CROSS SECTIONS AND GEOTECHNICAL REPORT FOR ESTIMATED UNDERCUT AREAS AND DEPTHS.
 3. THE BITUMINOUS MATERIALS (PRIME COAT) QUANTITIES HAVE BEEN DETERMINED USING A RATE OF 0.25 GAL/SQ YD BETWEEN THE SUBBASE AND BASE COURSES, AND 0.08 GAL/SQ YD BETWEEN THE BASE AND BINDER COURSES AND THE BINDER AND SURFACE COURSES.

REMOVAL ITEMS

FILE NAME =	USER NAME = edamm	DESIGNED -	REVISED -
sv\j01\66800--6699\6628\004\mrcos\typical.dgn		DRAWN -	REVISED -
PLOT SCALE = 21.0000" / IN.		CHECKED -	REVISED -
PLOT DATE = 3/31/2012		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3759	04-00038-00-WR	WILL	165	7
CONTRACT NO. 63248				
SCALE: NONE		SHEET NO. OF SHEETS		STA. TO STA.
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		