



IL RTE. 2 w/FRONTAGE ROADS

TYPICAL SECTION
 STA. 709+50 TO 714+89
 STA. 729+36 TO 742+16.71
 STA. 743+89.71 TO 756+91
 STA. 771+29 TO 809+46
 STA. 823+79 TO 838+80

*** PAVED DITCH (SPECIAL) STA. 765+00 TO STA. 772+50.
 SEE PAVED DITCH (SPECIAL) DETAIL (STD 36.2)

PROPOSED:

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12.5" (2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 10.5" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70) SEE NOTE #2
- 2 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 SEE NOTE #2
- 3 HOT-MIX ASPHALT SHOULDERS, 6" OR 6 1/2"
- 4 SUB-BASE GRANULAR MATERIAL, TYPE A (SEE NOTE #4)
- 5 AGGREGATE SHOULDERS, TYPE A
- 6 INCIDENTAL HOT-MIX ASPHALT SURFACING, N50
- 7 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
- 8 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.06
- 9 CONCRETE MEDIAN SURFACE, 4" (SEE NOTE #3)
- 10 TOPSOIL FURNISH AND PLACE, 6" OR 12" (SEE NOTE #5)
- 11 AGGREGATE BASE COURSE, TYPE B (FOR DRIVEWAYS)
- 12 PIPE UNDERDRAIN, 4" (SEE STANDARD DETAIL SUBSURFACE DRAINS)
- 13 AGGREGATE BASE COURSE, TYPE A (SEE NOTE #4)

NOTES:

- 1. SEE PLAN SHEETS FOR ACTUAL LOCATION OF PROPOSED RIGHT OF WAY, AND PROPOSED ACCESS CONTROL LIMITS.
- 2. SEE THIS SHEET FOR BITUMINOUS MIXTURE REQUIREMENTS AND HOT-MIX ASPHALT LIFTS THICKNESS.
- 3. AGGREGATE FILL SHALL CONFORM TO ARTICLE 606.09, AND SHALL BE INCLUDED IN THE COST OF CONCRETE MEDIAN SURFACE, 4 INCH.
- 4. SUB-BASE GRANULAR MATERIAL IS 12" ON IL 2 AND LATHAM ROAD. AGGREGATE BASE COURSE IS 15" ON FRONTAGE ROADS UNLESS OTHERWISE NOTED. SEE TYPICAL SECTION 4 FOR TABLE "IL 2 VARIABLE AGGREGATE BASE COURSE, TYPE A" AND FOR LOCATION OF GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
- 5. TOPSOIL, IS 6" UNLESS OTHERWISE SHOWN. SEE SHEET TYPICAL SECTION 4 FOR TABLE "12" TOPSOIL APPLICATION AREAS."
- 6. FOR FRONTAGE ROADS TYPICAL SECTIONS AND DETAILS SEE TYPICAL SECTION SHEET 3 AND 4.
- 7. QUARRY RUN GRANULAR EMBANKMENT IS USED FROM STA. 741+00 TO STA. 748+00. SEE CROSS SECTIONS FOR THICKNESS.

**STRUCTURAL DESIGN INFORMATION (FLEXIBLE PAVEMENT)
 IL ROUTE 2**

STRUCTURAL DESIGN TRAFFIC: 16650	YEAR: 2015
PV = 15,565	SU = 500 MU = 585
ROAD/STREET CLASSIFICATION: PRINCIPAL ARTERIAL (EXPRESSWAY)	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 32%	S = 45% M = 45%
TRAFFIC FACTOR: 4.33	MINIMUM TF: 0.5 AC TYPE: 20
SOIL TYPE: POOR	

BITUMINOUS MIXTURE REQUIREMENTS:

- 1. FOR MAINLINE AND LATHAM ROAD USE THE FOLLOWING: HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12.5" THE BREAK DOWN IS AS FOLLOWS: (2" POLYMERIZED HMA SURFACE COURSE, MIX "D", N70 TOP LIFT BINDER 3" - POLYMERIZED HMA BINDER COURSE, IL-19.0, N70 MIDDLE LIFT BINDER 3.5" - HMA BINDER COURSE, IL-19, N70 BOTTOM LIFT BINDER 4" - HMA BINDER COURSE, IL-19, N70)
- 2. FOR ALL REMAINING SIDEROADS USE THE FOLLOWING: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 ALL ARE TO BE DONE IN 2 LIFTS. ALSO, THE RESURFACING OF EXISTING IL RTE 2 SHALL BE 1 LIFT OF 1.5" TOTAL.
- 3. FOR SHOULDERS USE THE FOLLOWING: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (TOP 1.5" OR 2-INCHES ACCORDING TO D2 STANDARD 23.4A) HOT-MIX ASPHALT SHOULDERS, 6" OR 6.5" (SEE D2 STANDARD 23.4A)

NOTE:
 THE LEGEND ON ALL TYPICAL SECTIONS AND PLAN SHEETS FOR IL ROUTE 2 AND LATHAM ROAD SHOULD BE REVISED TO STATE THE FOLLOWING: HMA PAVEMENT (FULL-DEPTH), 12.5". THE BREAK DOWN IS AS FOLLOWS:
 (2" POLYMERIZED HMA SURFACE COURSE, MIX "D", N70
 TOP LIFT BINDER 3" - POLYMERIZED HMA BINDER COURSE, IL-19, N70
 MIDDLE LIFT BINDER 3.5" - HMA BINDER COURSE, IL-19, N70
 BOTTOM LIFT BINDER 4" - HMA BINDER COURSE, IL-19, N70)