



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 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 10.5" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, 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)

USER NAME = zulkowid	DESIGNED STS/GC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ILLINOIS ROUTE 2 TYPICAL SECTIONS 1		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 10,000 FT / IN.	DRAWN RDT	REVISED -					734	77-2-2 & 77-2B-1	WINNEBAGO	530	39
PLOT DATE = 2/2/2011	CHECKED GC	REVISED -					CONTRACT NO. 64813				
	DATE 01-14-11	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		