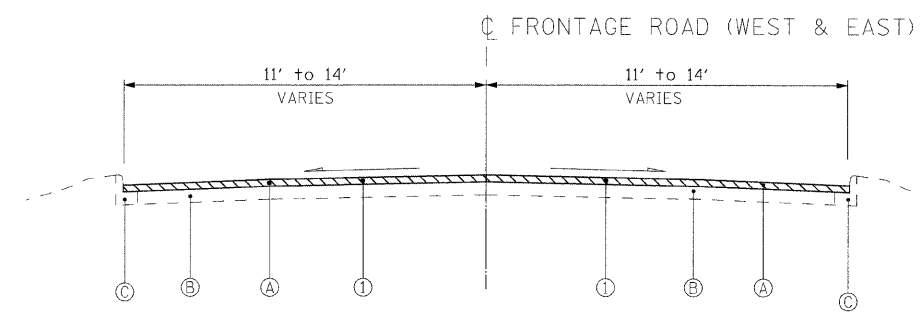
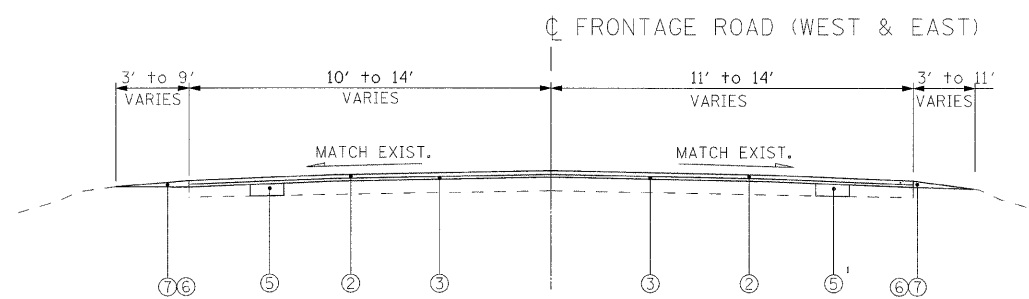


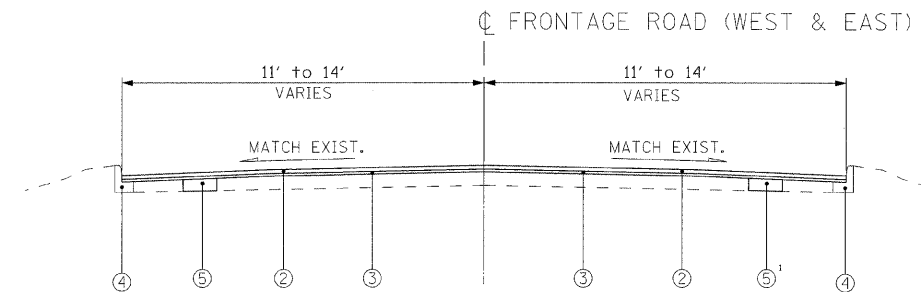
EXISTING TYPICAL SECTION
STA. 10+43 TO STA. 20+12
STA. 110+40 TO STA. 120+00



EXISTING TYPICAL SECTION
STA. 20+12 TO STA. 30+58
STA. 120+00 TO STA. 130+71



PROPOSED TYPICAL SECTION
STA. 10+43 TO STA. 20+12
STA. 110+40 TO STA. 120+00



PROPOSED TYPICAL SECTION
STA. 20+12 TO STA. 30+58
STA. 120+00 TO STA. 130+71

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART

OPERATIONS	MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
ROADWAY RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5MM)	PG 64-22	4% @ 50 GYR
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR
MAINTENANCE OF TRAFFIC	LEVELING BINDER (HAND METHOD), N50 (IL-9.5MM)	PG 64-22 *	4% @ 50 GYR
PAVEMENT PATCHING	CLASS D PATCHES, 9" (HMA BINDER IL-19 MM)	PG 64-22 *	4% @ 70 GYR
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 MM)	PG 64-22 *	4% @ 70 GYR
DRIVES BEHIND CURB	HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50 (IL-9.5MM)	PG 64-22 *	4% @ 50 GYR
	HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19 MM)	PG 64-22/58-22	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

EXISTING CONDITIONS:

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" AND VARIES
- (B) PORTLAND CEMENT CONCRETE BASE COURSE, 9" AND VARIES
- (C) COMBINATION CONCRETE CURB AND GUTTER

PROPOSED IMPROVEMENTS:

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY ENGINEER)
- (5) CLASS D PATCHES, 9" (DETERMINED BY ENGINEER IN FIELD)
- (6) AGGREGATE WEDGE SHOULDER, TYPE B
- (7) GRADING AND SHAPING SHOULDERS

A QUANTITY FOR LEVELING BINDER HAND METHOD HAS BEEN PROVIDED FOR USE AT DRIVES, AROUND HANDHOLES, PRIVATE UTILITY STRUCTURE FRAMES, AND ANY OTHER STRUCTURE FRAMES THAT ARE NOT ABLE TO BE LOWERED UNDER THE ITEM "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)" AFTER GRINDING OF EXISTING PAVEMENT.

¹ QUANTITIES FOR EARTH EXCAVATION AND AGGREGATE BASE REPAIR HAVE BEEN INCLUDED FOR SUBGRADE FAILURES BELOW THE CLASS D PATCHES

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5507 North Cumberland Avenue, Suite 402
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Tel. 773.775.4009 Fax 773.775.4014

USER NAME = alow	DESIGNED - AL	REVISED -
	DRAWN - AL	REVISED -
PLOT SCALE = 5.0000' / IN.	CHECKED - WBL	REVISED -
PLOT DATE = 4/8/2009	DATE - 3/24/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 41 /SERVICE DRIVES
SERVICE DRIVES AND FRONTAGE ROADS NORTH OF IL 176
TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 4 OF 16 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION 1255-1-RS-1	COUNTY LAKE	TOTAL SHEETS 16	SHEET NO. 4
CONTRACT NO. 62777				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				