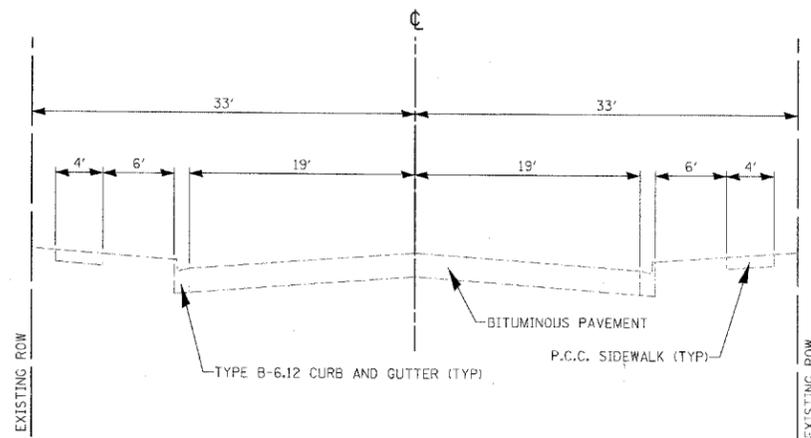
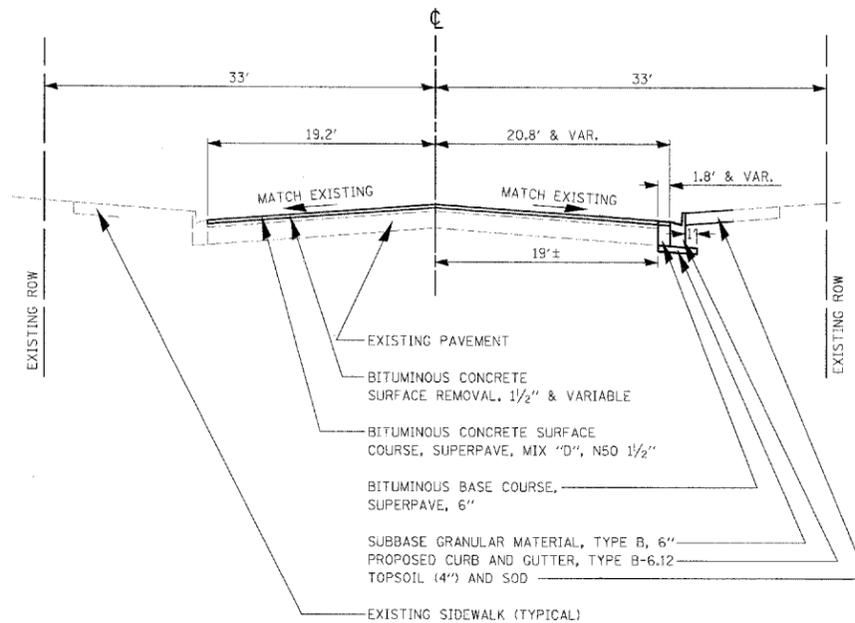


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SH. N.
5352	04-00168-00-RS	DEKALB	67	
TYPICAL SECTIONS				
FED. ROAD DIST. NO. 5 ILLINOIS				
FED. AID PROJECT M-5				

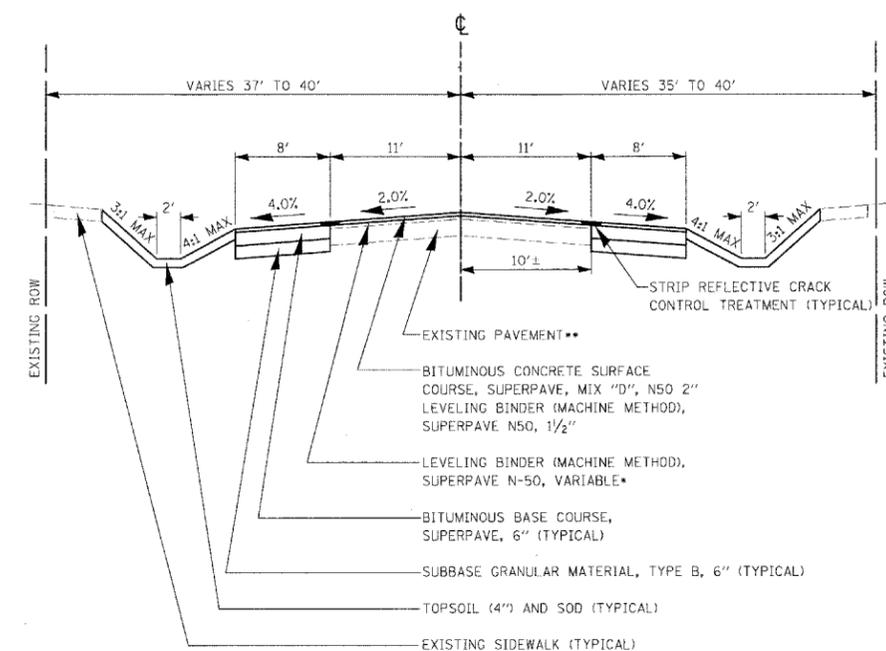
**EXISTING TYPICAL SECTION
SOUTH FIRST STREET
STATION 12+23 TO 16+34**



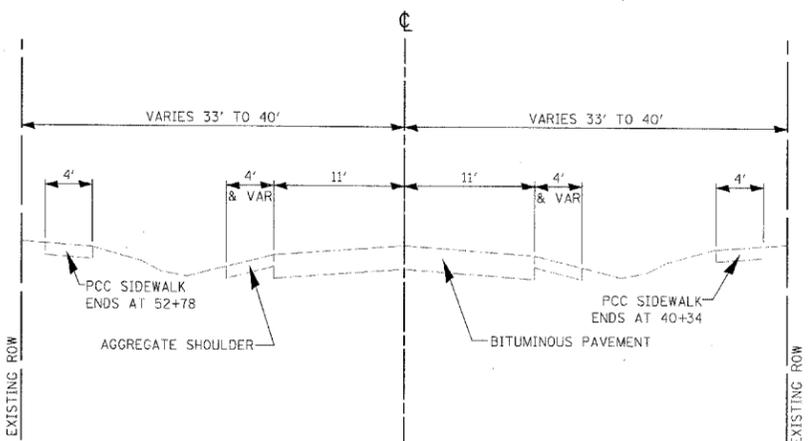
**PROPOSED TYPICAL SECTION
SOUTH FIRST STREET
STATION 12+23 TO 16+34**



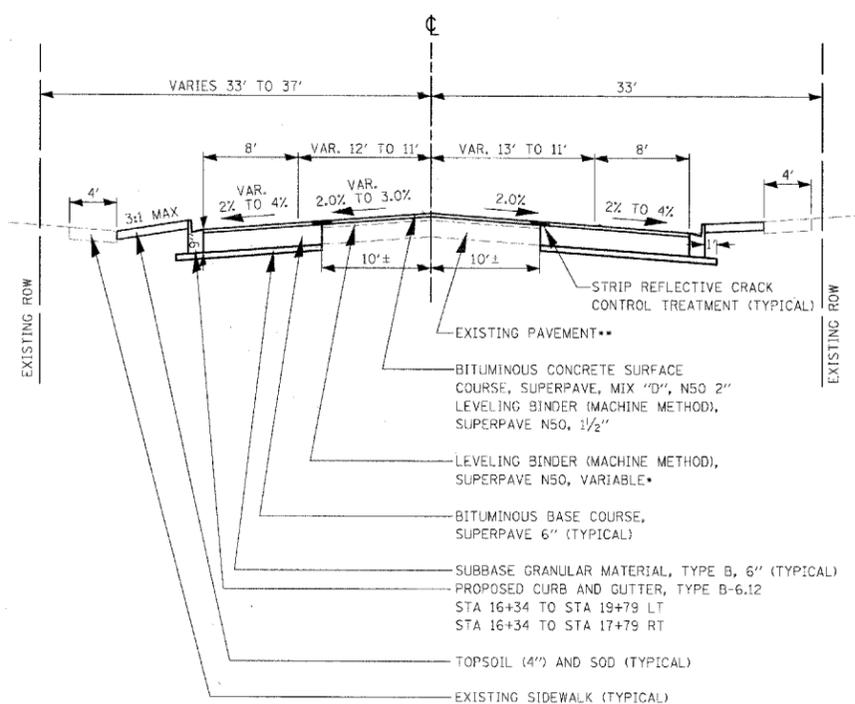
**PROPOSED TYPICAL SECTION
SOUTH FIRST STREET
STATION 20+72 TO 53+60**



**EXISTING TYPICAL SECTION
SOUTH FIRST STREET
STATION 16+34 TO 53+00**



**PROPOSED TYPICAL SECTION
SOUTH FIRST STREET
STATION 16+34 TO 20+72**



PAVEMENT DESIGN - SOUTH FIRST STREET

ADT YEAR	2005
ADT (2005)	4600
DESIGN PERIOD	20
STRUCTURAL DESIGN TRAFFIC	
PV (92%)	4232
SU (7%)	322
MU (1%)	46
CLASS OF ROAD	II
TRAFFIC FACTOR	0.54

RESURFACING

IBR VALUE	3
REQUIRED STRUCTURAL NUMBER	3.8
EXISTING PAVEMENT (MINIMUM VALUES)	
BITUMINOUS 5" @ .33	1.65
AGGREGATE BASE 9" @ .11	0.99
OVERLAY	
SURFACE N50 2" @ .40	0.80
LEVEL BINDER N50 1 1/2" @ .33	0.50
STRUCTURAL NUMBER	3.94

BITUMINOUS CONCRETE SUPERPAVE

MIXTURE USE(S)	MIX REQUIREMENT CHART			
	SURFACE	LEVEL BINDER	BINDER *	BIT. BASE COURSE
PG:	PG 64-22	PG 64-22	PG 64-22	PG 58-22
RAP % (MAX)	15	25	25	50
DESIGN AIR VOIDS	4.2 @ N50	4.2 @ N50	4.2 @ N50	2 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5	IL 19.0	BAM
FRICITION AGGREGATE	D	N/A	N/A	N/A

** AT ISOLATED LOCATIONS WHERE THERE IS LESS THAN 3/2" BETWEEN THE PROPOSED AND EXISTING ELEVATIONS, BITUMINOUS CONCRETE SURFACE REMOVAL, VARIABLE DEPTH WILL BE REQUIRED.

* AT LOCATIONS WHERE MORE THAN 2 1/2" OF LEVELING BINDER, SUPERPAVE N50 IS REQUIRED, BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50 SHALL BE USED AND PAID FOR AS LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50.

* AT LOCATIONS WHERE MORE THAN 2 1/2" OF LEVELING BINDER, SUPERPAVE N50 IS REQUIRED, BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50 SHALL BE USED AND PAID FOR AS LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50.