

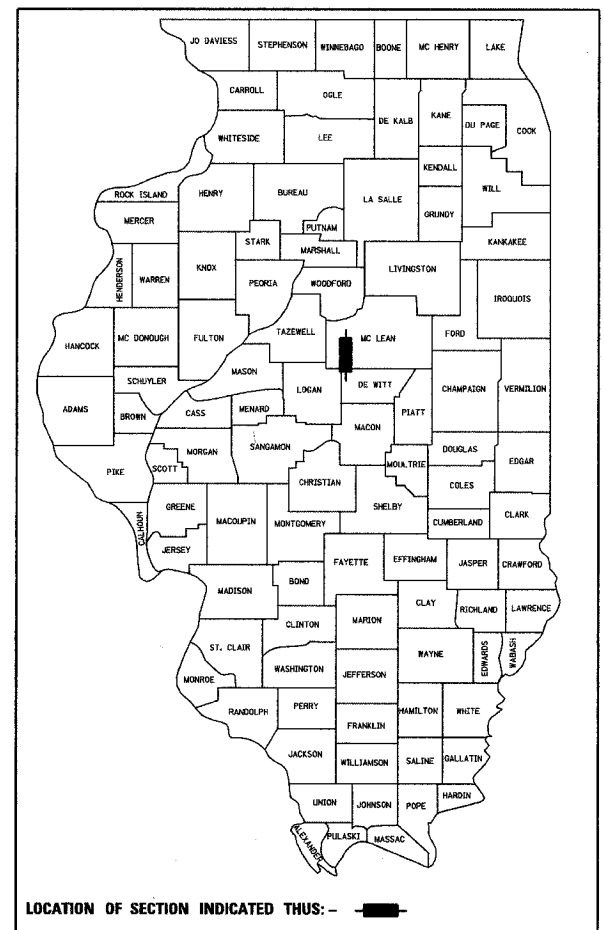
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
479	05-00047-09-RS	McLEAN	4	1

INDEX OF SHEETS

- 1. Cover Sheet
- 2. Typical Cross Section & Typical Details
- 3-4. Special Details Sheets

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
 McLEAN COUNTY FEDERAL AID SECONDARY (STP-SR)
 STANFORD-McLEAN RD (CH 59)**
 F.A.S. ROUTE 479 SECTION 05-00047-09-RS
 PROJECT #RS-479(107)
 JOB #C-95-303-06



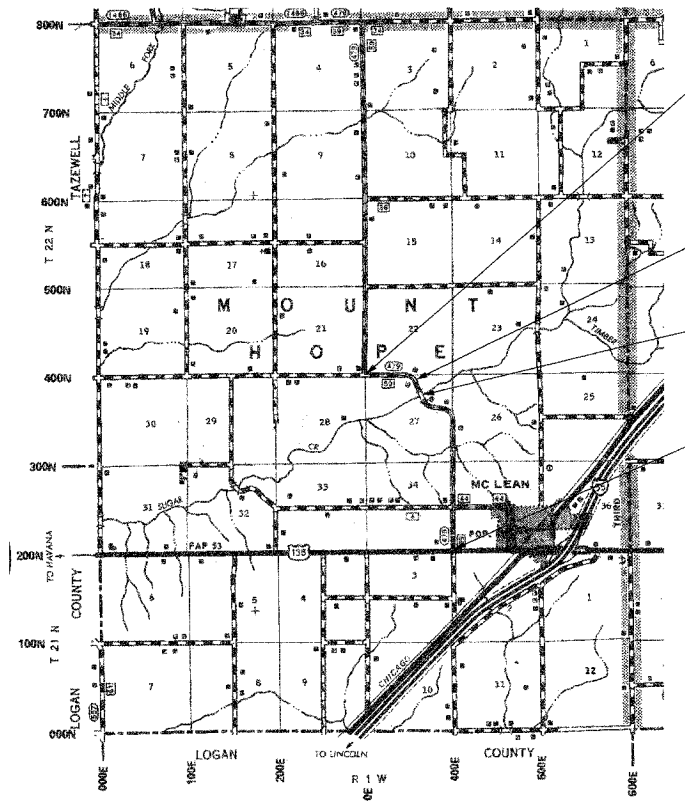
STATE STANDARD DETAILS

- 701001-01 OFF-RD OPERATIONS 2L, 2W, MORE THAN 4.5M (15') AWAY
- 701006-02 OFF-RD OPERATIONS 2L, 2W, 4.5M (15') TO 600M (24") FROM PAVEMENT EDGE
- 701011-01 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
- 702001-06 TRAFFIC CONTROL DEVICES
- B.L.R. 21-6 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- B.L.R. 22-4 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO LANE TWO WAY RURAL TRAFFIC ROAD CLOSED TO THRU TRAFFIC)

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	UNIT	CONST. TYPE CODE	QUANTITY
*20200100	EARTH EXCAVATION	CU YD	I-000	437
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD		1,067
*40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON		3,600
40600300	AGGREGATE (PRIME COAT)	TON		180
40600980	BITUMINOUS SURFACE REMOVAL-BUTT JOINT	SQ YD		651
40600990	TEMPORARY RAMP	SQ YD		61
*40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON		375
*40800040	INCIDENTAL BITUMINOUS SURFACING	TON		325
*44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD		34,826
*48101200	AGGREGATE SHOULDERS, TYPE B	TON		2,200
67100100	MOBILIZATION	L SUM		1
△78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH		179
X3550400	BITUMINOUS BASE COURSE SUPERPAVE 7"	SQ YD		1,067
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON		2,550
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, 1L-19.0, N50	TON		3,950
*X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON		1,200

* SEE SPECIAL PROVISIONS
 △ SPECIALTY ITEM



BEGINNING STA: 361+38.45
 OMISSION 100'
 STA: 361+38.45 TO STA: 362+38.45
 STATION EQUATION
 STA: 362+38.45 BACK=STA: 361+94.72 AHEAD

STATION EQUATION
 371+05.75 BACK = 367+07.23 AHEAD

BRIDGE OMISSION 163.3'
 STA: 397+18.35 TO STA: 398+81.65

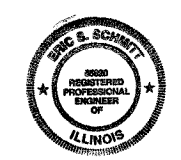
ENDING STA: 502+07.20

THESE PLANS ARE NOT TO SCALE

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123

CONTRACT NO. 91357

- NOTE: THE TOTAL LENGTH OF THE PROPOSED PROJECT IS 14,511 FEET WITH A NET LENGTH OF 14,247.7 FEET (2.698 MILES)
- NOTE: THESE PLANS MEET THE MINIMUM REQUIREMENTS FOR A 3-R IMPROVEMENT.
- NOTE: CURRENT ADT: 625
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR



Eric S. Schmitt
 ILLINOIS PROFESSIONAL ENGINEER #55820
 EXPIRES 11-30-07

APPROVED: *[Signature]* 4-18 20 06
 COUNTY ENGINEER

PASSED: *[Signature]* 4/25 20 06
 DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS

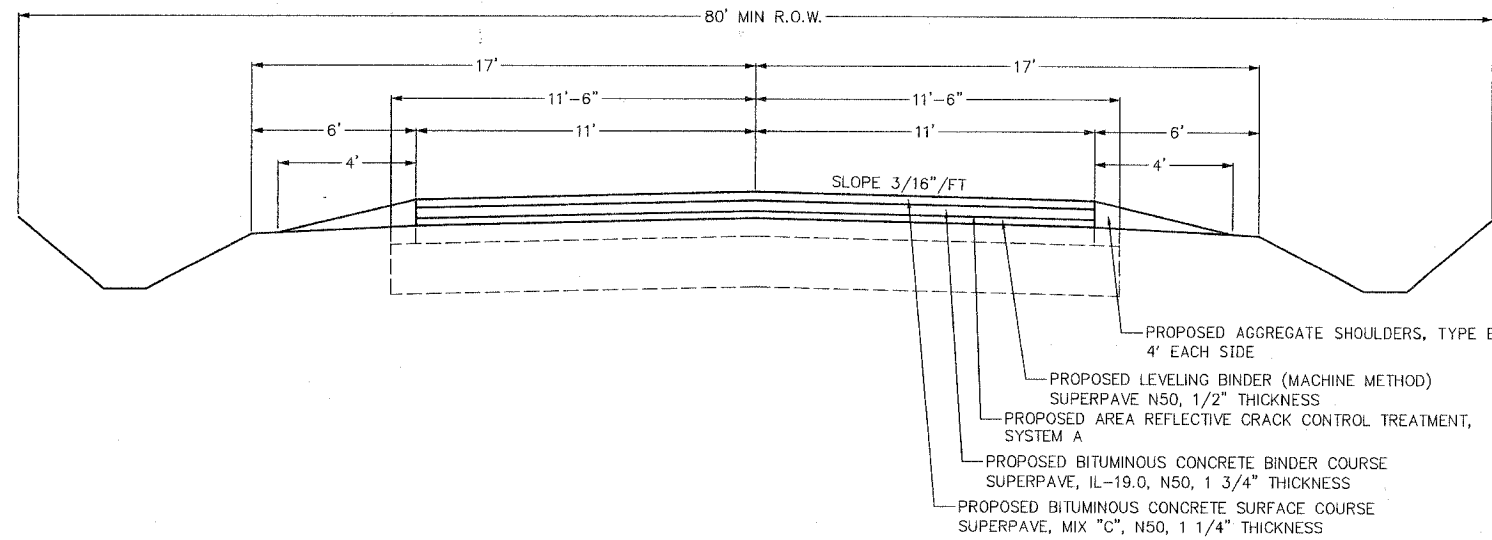
Releasing For Bid Based on Limited Review: *[Signature]* 4-25 20 06
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CO HWY	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	05-00047-09-RS	McLEAN	4	2

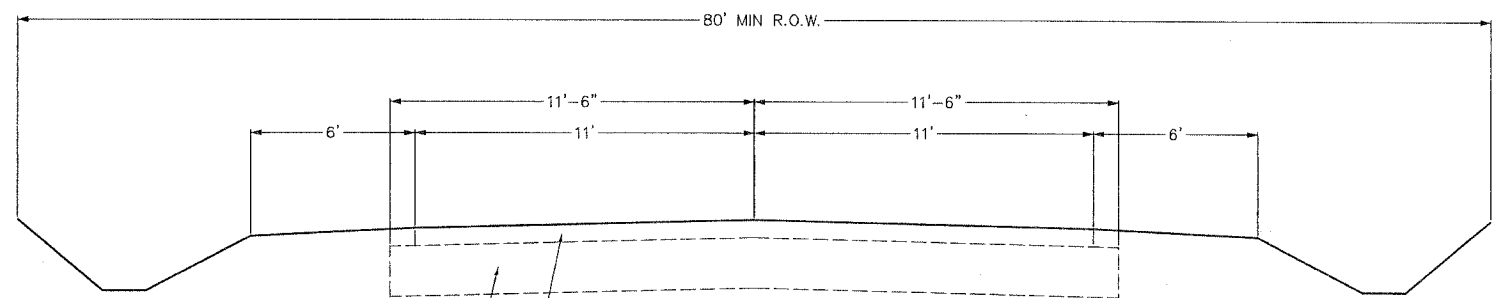
PROPOSED TYPICAL CROSS SECTION

SEC. 05-00047-09-RS
STANFORD-MCLEAN RD (CH 59)



EXISTING TYPICAL CROSS SECTION

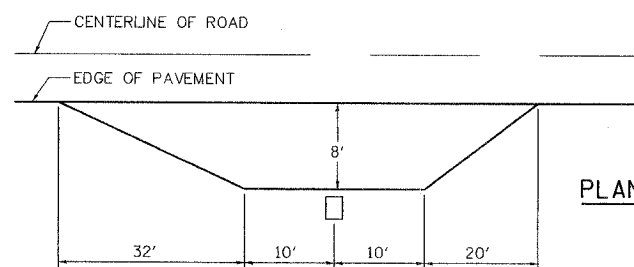
SEC. 05-00047-09-RS
STANFORD-MCLEAN RD (CH 59)



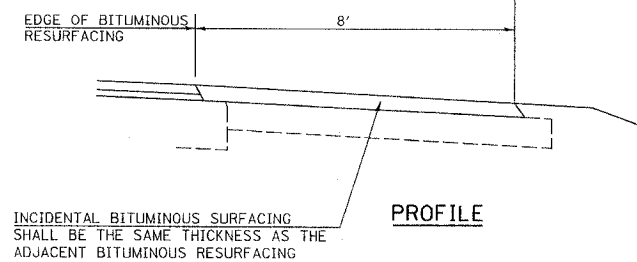
EXISTING BITUMINOUS BINDER & SURFACE COURSES 5 1/2" TOTAL THICKNESS WITH AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A

TYPICAL MAIL BOX TURNOUT

7 @ 41 SQ YD EACH



NOTE: MULTIPLE MAILBOX CLUSTERS TO BE EXTENDED 2' FOR EACH ADDITIONAL MAILBOX



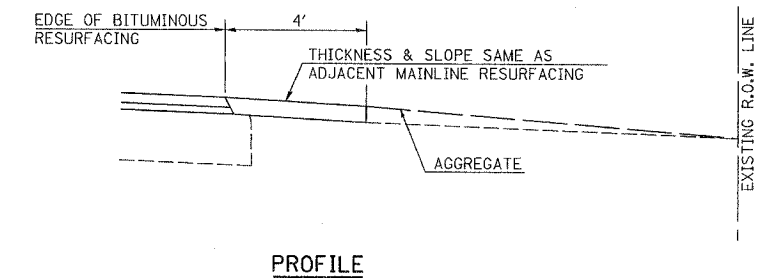
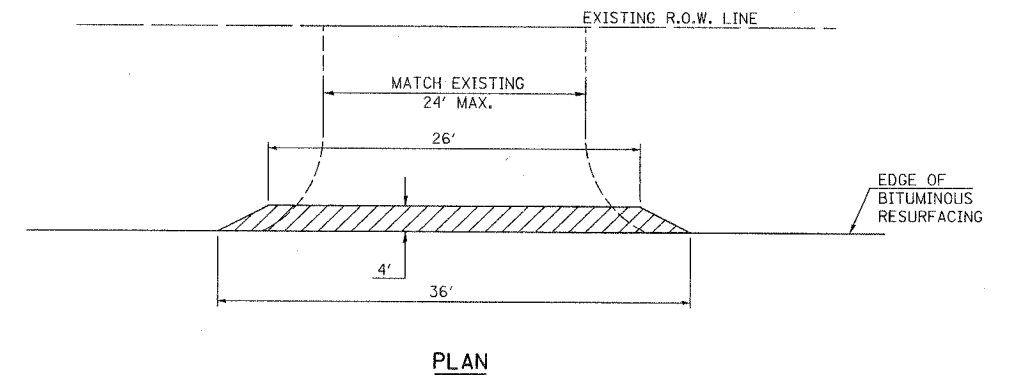
STRUCTURAL DESIGN DATA 73,280#

CLASS III ROAD DESIGN PERIOD 20 YEARS
STRUCTURAL DESIGN TRAFFIC: 780 YEAR: 2016
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:
P.C. 88% S.U. 7% M.U. 5%
P.C. 695 S.U. 55 M.U. 40
MINIMUM SOIL SUPPORT: IBR= 3.0
TRAFFIC FACTOR (T.F.)= 0.172
STRUCTURAL NUMBER (Dt): 3.3
PAVEMENT STRUCTURE MATERIALS:
SURFACE: PROPOSED BITUMINOUS SURFACE COURSE 3.5" @ 0.40 a1= 1.40
BASE: EXISTING BITUMINOUS CONCRETE 5.5" @ 0.30 a2= 1.65
SUBBASE: EXISTING AGGREGATE BASE COURSE 9" @ 0.10 a3= 0.90

PROPOSED (Dt) TOTAL= 3.95

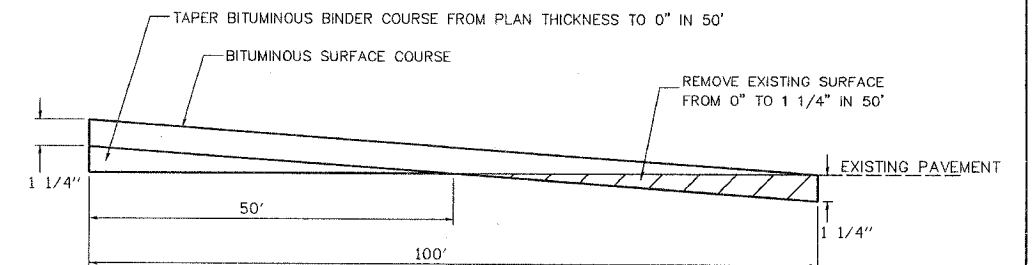
TYPICAL FIELD ENTRANCE

26 @ 13.8 SQ YDS EACH



TYPICAL BITUMINOUS SURFACE REMOVAL-BUTT JOINT

1 @ 122.2 SQ YDS STA: 361+94.72 (BEGINNING STATION)



GENERAL NOTES:

ALL TEMPORARY & PERMANENT PAVEMENT STRIPPING WILL BE DONE BY OTHERS.

ALL FIELD ENTRANCES SHALL BE CONSTRUCTED WITH THE EXTENDABLE SCREED WIDENERS AND PAID FROM BITUMINOUS BINDER AND SURFACE COURSES.

ALL SPECIAL INTERSECTION RADII TO BE CONSTRUCTED FROM AND PAID FROM BITUMINOUS BINDER AND SURFACE COURSES.

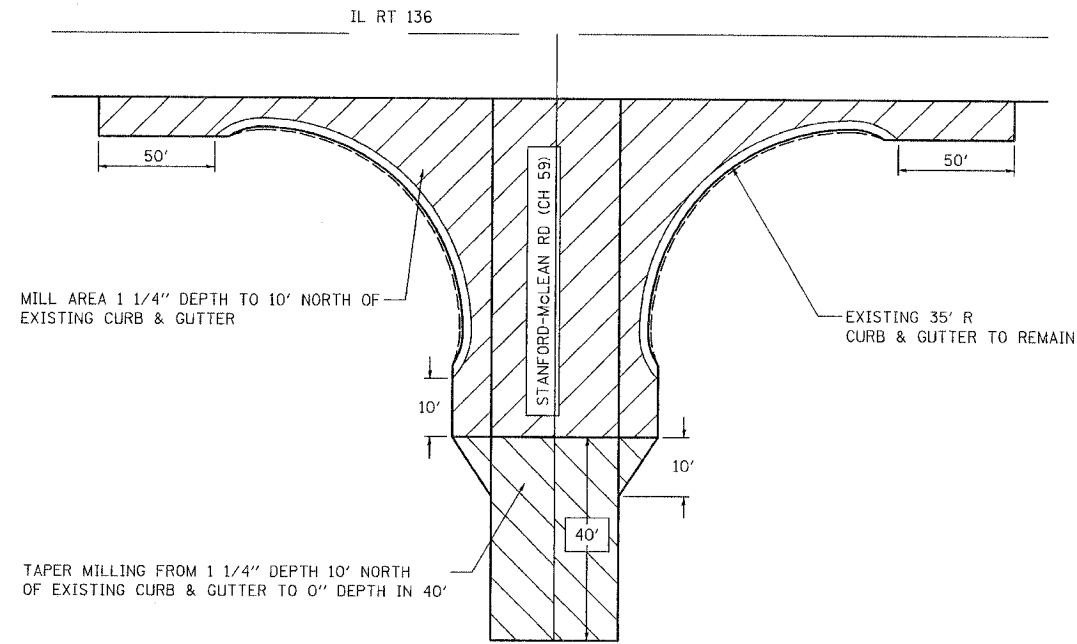
ALL SIDE ROAD RETURNS, PRIVATE ENTRANCES & MAILBOX TURNOUTS ARE TO BE CONSTRUCTED AND PAID FROM INCIDENTAL BITUMINOUS SURFACING.

AGGREGATE SHOULDERS SHALL BE PLACED ALONG ALL SIDE ROAD RETURN RADII AND PRIVATE ENTRANCE RADII AND SHALL BE PLACED ALONG AND BEHIND ALL FIELD ENTRANCES, GUARDRAIL AND GUARDRAIL RUNOUTS, PRIVATE ENTRANCES AND MAILBOX TURNOUTS UNLESS SPECIFIED BY THE RESIDENT ENGINEER.

CO HWY	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	05-00047-09-RS	MCLEAN	4	3

SPECIAL INTERSECTION

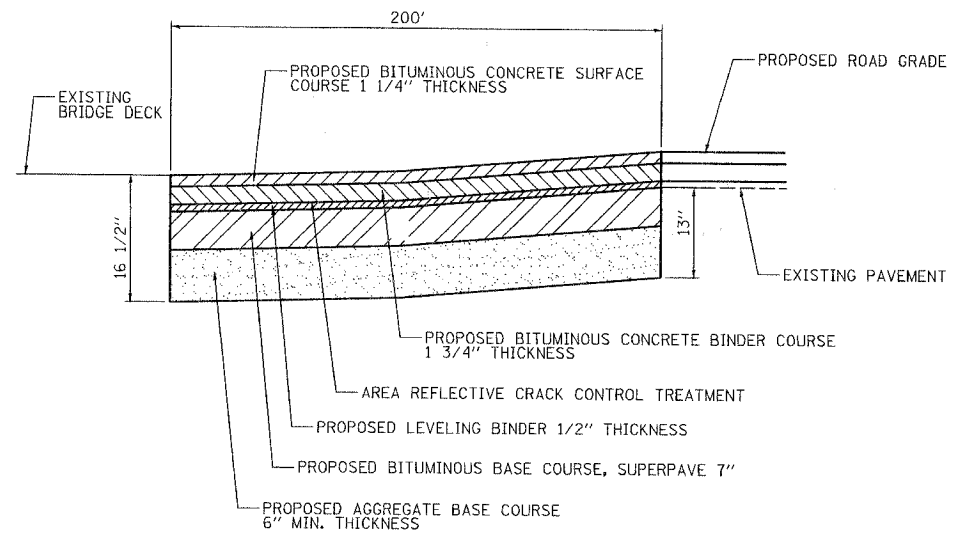
1 @ STA: 502+07.20 (IL RT 136)
 184.1 SQ YDS BINDER & SURFACE IN RADII
 406.5 SQ YDS TOTAL MILLING



PLAN

BRIDGE APPROACH RECONSTRUCTION DETAIL

STA: 397+18.35 & 398+81.65



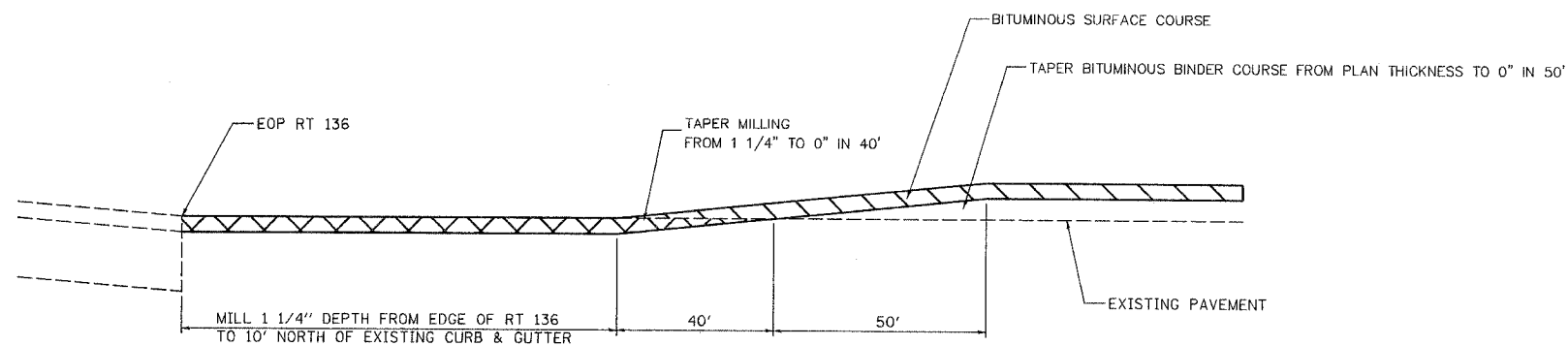
PROFILE

BRIDGE APPROACH RECONSTRUCTION NOTES:

EARTH EXCAVATION QUANTITY EQUALS 218.5 CU YDS (EACH END OF BRIDGE).

AGGREGATE BASE COURSE, TYPE B TO BE PLACED AT A THICKNESS OF 6" MIN. 533.3 SQ YDS (EACH END OF BRIDGE).

BITUMINOUS BASE COURSE, SUPERPAVE 7" QUANTITY EQUALS 533.3 SQ YDS (EACH END OF BRIDGE).

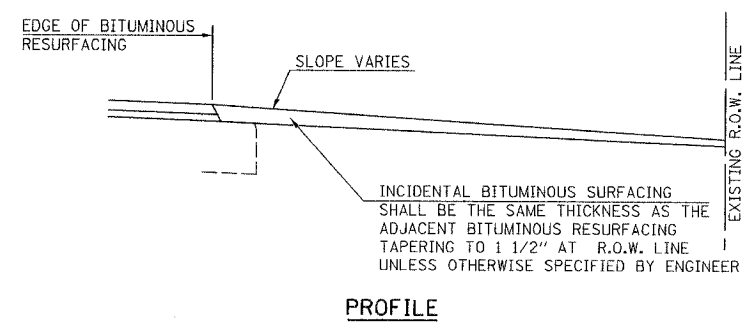
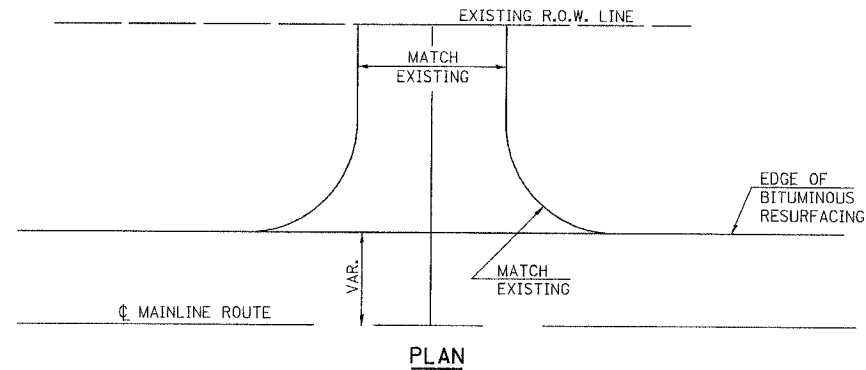


PROFILE

CO HWY	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	05-00047-09-RS	MCLEAN	4	4

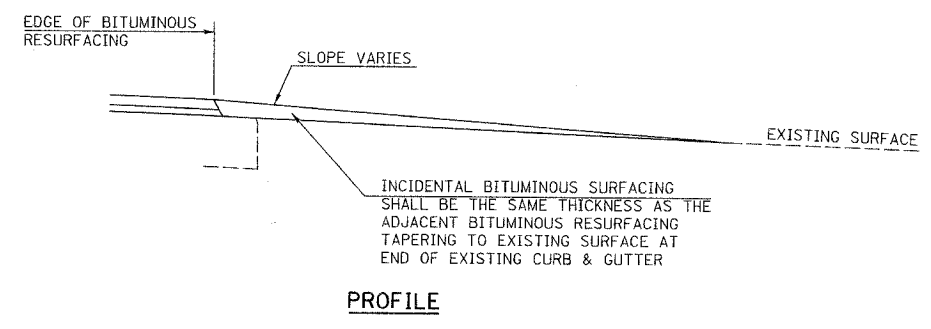
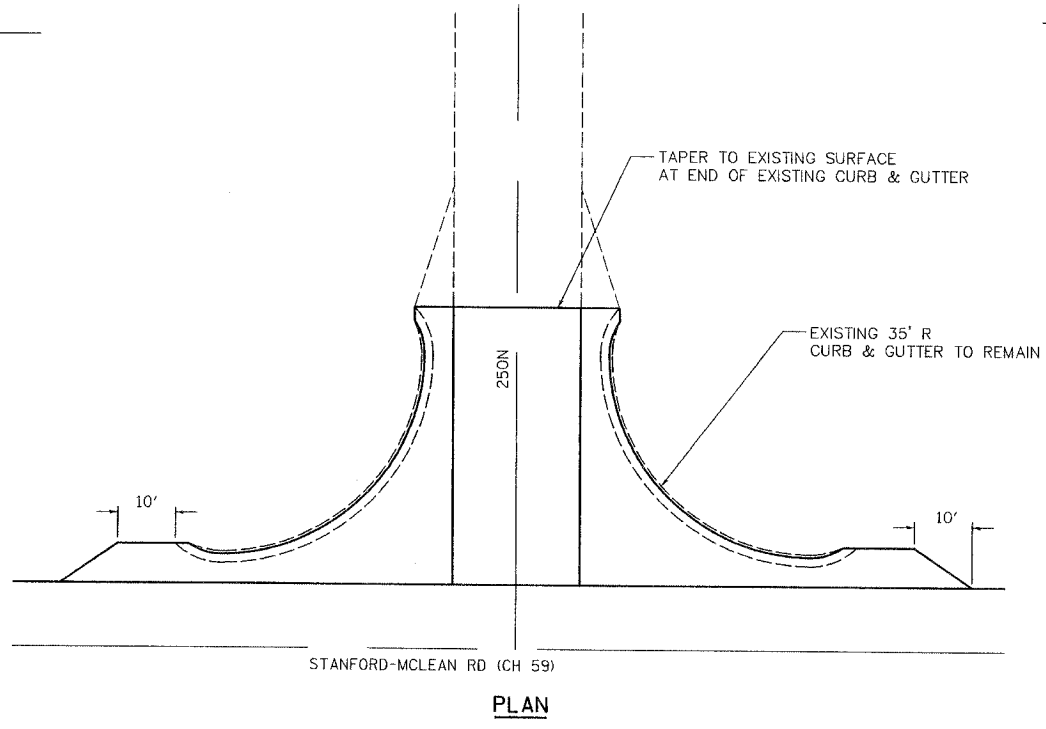
TYPICAL PRIVATE ENTRANCE

8 @ 65.8 SQ YDS EACH



SPECIAL SDRD RETURN

1 @ 250N
281.9 SQ YDS TOTAL
INCIDENTAL BITUMINOUS SURFACING



SPECIAL SDRD RETURN

1 @ CH 44 (MCLEAN RD)
404.1 SQ YDS TOTAL
INCIDENTAL BITUMINOUS SURFACING

