

INDEX OF SHEETS

03-05-2021 LETTING ITEM 117

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
SURFACE TRANSPORTATION PROGRAM

F.A.S. ROUTE 351, CH 6, SECTION 15-00145-06-RS LIVINGSTON COUNTY
F.A.S ROUTE 351, CH 1, SECTION 20-00035-05-RS McLEAN COUNTY
PROJECT 8GYP(042)
C-93-059-20

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	15-00145-06-RS	LIVINGSTON	8	1
	20-00035-05-RS	McLEAN		
PROJECT NO. 8GYP(042)		CONTRACT NO. 87735		



- McLEAN CO.
- COVER SHEET, STANDARDS, & SUMMARY OF QUANTITIES
 - EXISTING TYPICAL CROSS SECTIONS
 - PROPOSED TYPICAL CROSS SECTIONS
 - LIVINGSTON COUNTY TYPICAL CROSS-SECTIONS
 - STRUCTURE OMISSION DETAILS
 - MISCELLANEOUS DETAILS
 - SIDE ROAD & ENTRANCE DETAILS
 - SCHEDULE OF RESURFACING QUANTITIES

HIGHWAY STANDARDS

- 701301-04 LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS DAY ONLY ≥ 45MPH
- 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS DAY ONLY
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

SUMMARY OF QUANTITIES					
ITEM NO.	ITEM	UNIT	CONST. CODE 0005		TOTAL QUANTITIES
			LIVINGSTON	McLEAN	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	7,925		7,925.0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	75,776	11,800	87,576.0
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TCN	11,200	705	11,905.0
40604000	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FC, MIX "C", N50	TCN	10,065	1,488	11,553.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TCN	646	60	706.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"	SQ YD	5,322	1,004	6,326.0
44000157	HOT-MIX ASPHALT SURFACE REMOVAL 2"	SQ YD		16,521	16,521.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TCN		750	750.0
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	380		380.0
67100100	MOBILIZATION	L SUM	0.75	0.25	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9,524	1,688	11,212.0
* 70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,591	563	2,154.0
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH		87	87.0
Δ 78201110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	25,909	6,340	32,249.0
* X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	768	648	1,416.0
* X4811300	AGGREGATE SHOULDERS, TYPE B (SPECIAL)	TCN	7,070		7,070.0
* X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.75	0.25	1.0
* Z0033700	LONGITUDINAL JOINT SEALANT	FOOT		7,005	7,005.0
* Z0034105	MATERIAL TRANSFER DEVICE	TCN	10,085		10,085.0
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM		1	1.0

* SEE SPECIAL PROVISIONS
Δ SPECIALTY ITEMS

LIVINGSTON COUNTY: THIS PORTION OF THE PROJECT CONSISTS OF HMA OVERLAY WITH HMA BINDER COURSE, IL-9.5FG, HMA SURFACE COURSE, MIX "C", N50 AND AGGREGATE SHOULDERS FROM THE COUNTY LINE (00N) AND EXTENDING NORTHERLY TO CHESTNUT ST IN FAIRBURY.

McLEAN COUNTY: THIS PORTION OF THE PROJECT CONSISTS OF HMA SURFACE REMOVAL, HMA BINDER COURSE, IL-9.5FG, HMA SURFACE COURSE, MIX "C", N50 AND AGGREGATE SHOULDERS BEGINNING AT A POINT NEAR THE INTERSECTION OF COUNTY HIGHWAY 1 (4100E) AND 2250N RD AND EXTENDING NORTH AND WEST TO THE COUNTY LINE.

UTILITIES

CONTACT J.U.L.I.E. 811 or
800-892-0123 BEFORE DIGGING

TRAFFIC DATA

C.H. 6 - COLLECTOR
POSTED SPEED = 55 MPH-RURAL
DESIGN SPEED = 50 MPH-RURAL
DESIGN ADT= 700/ YR 2031
CLASS III ROADS, 80,000#

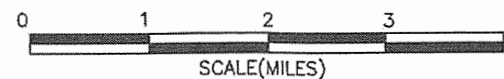
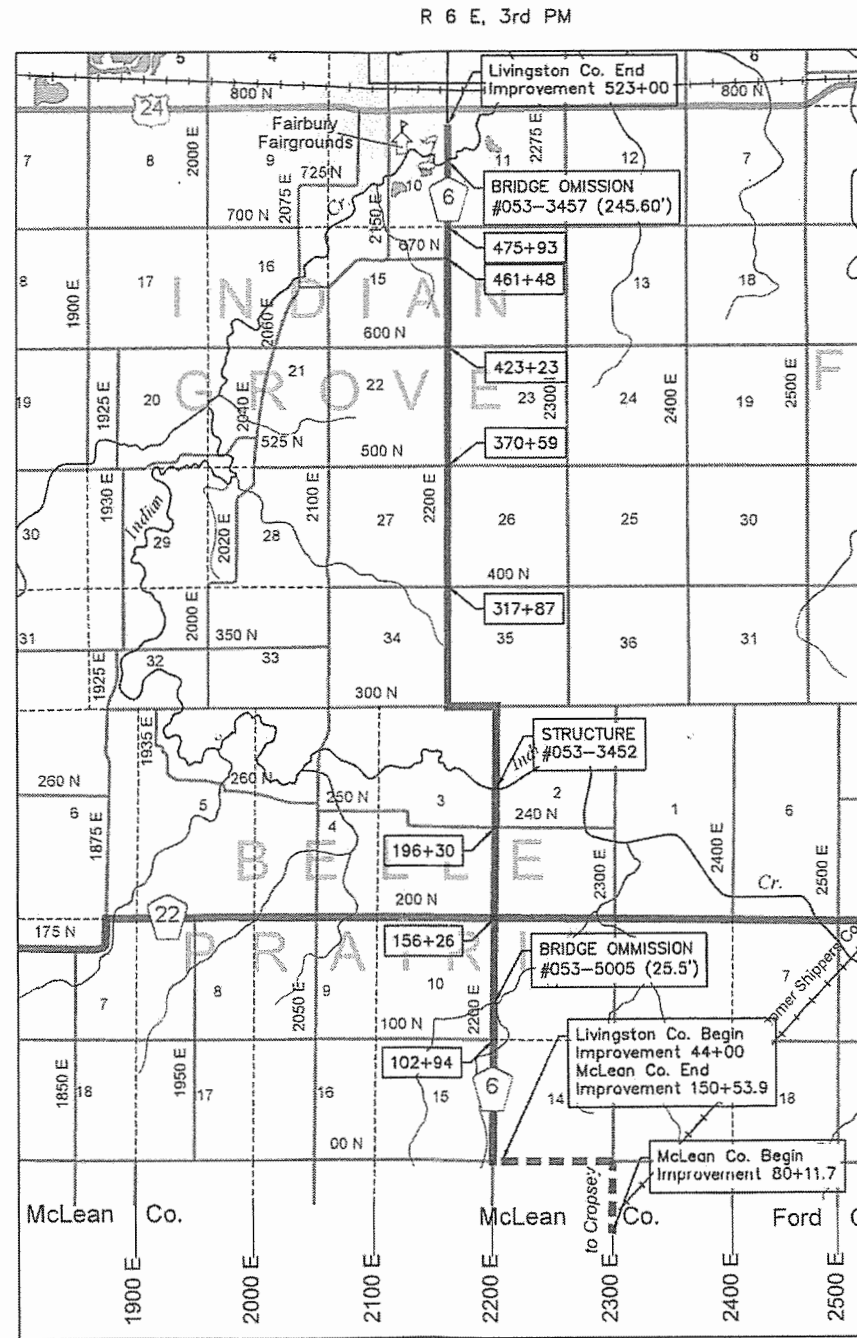
CONTRACT NO. 87735



THESE PLANS WERE MADE BY ME OR BY A MEMBER OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.
12/18/2020 DATE
TRENT RUESTMAN, P.E.
NO. 062.068070
EXPIRATION DATE 11/30/21



THESE PLANS WERE MADE BY ME OR BY A MEMBER OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.
12/18/2020 DATE
LUKE HOHULIN, P.E.
NO. 082.065157
EXPIRATION DATE 11/30/21



LIVINGSTON COUNTY GROSS LENGTH = 47,900' = 9.08 MILES
LIVINGSTON COUNTY NET LENGTH = 47,629' = 9.02 MILES
McLEAN COUNTY GROSS LENGTH = 7,042' = 1.33 MILES
McLEAN COUNTY NET LENGTH = 7,005' = 1.33 MILES

"THE ACCEPTANCE OF THIS PROJECT IS BASED ON THE MINIMUM DESIGN CRITERIA UNDER 3R GUIDELINES."

APPROVED 12/18/2020 20 20
Clay Metcalf
LIVINGSTON COUNTY OFFICIAL

APPROVED 12/18/2020 20 20
Jury Stebbins
McLEAN COUNTY OFFICIAL

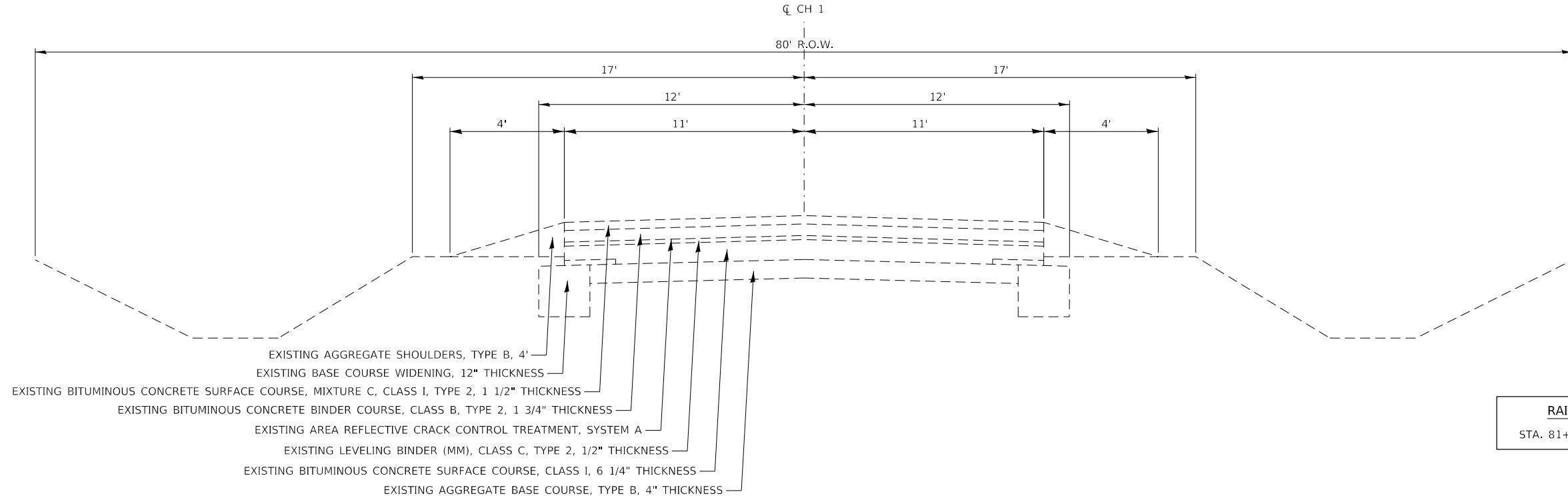
PASSED DECEMBER 31, 20 20
District Three Local Roads & Streets Engineer

RELEASING FOR BID BASED ON LIMITED REVIEW
DECEMBER 31, 20 20
REGION TWO ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	15-00145-06-RS	LIVINGSTON	8	2
	20-00035-05-RS	McLEAN		
PROJECT NO. 8GYP(042)		CONTRACT NO. 87735		

EXISTING TYPICAL CROSS SECTION

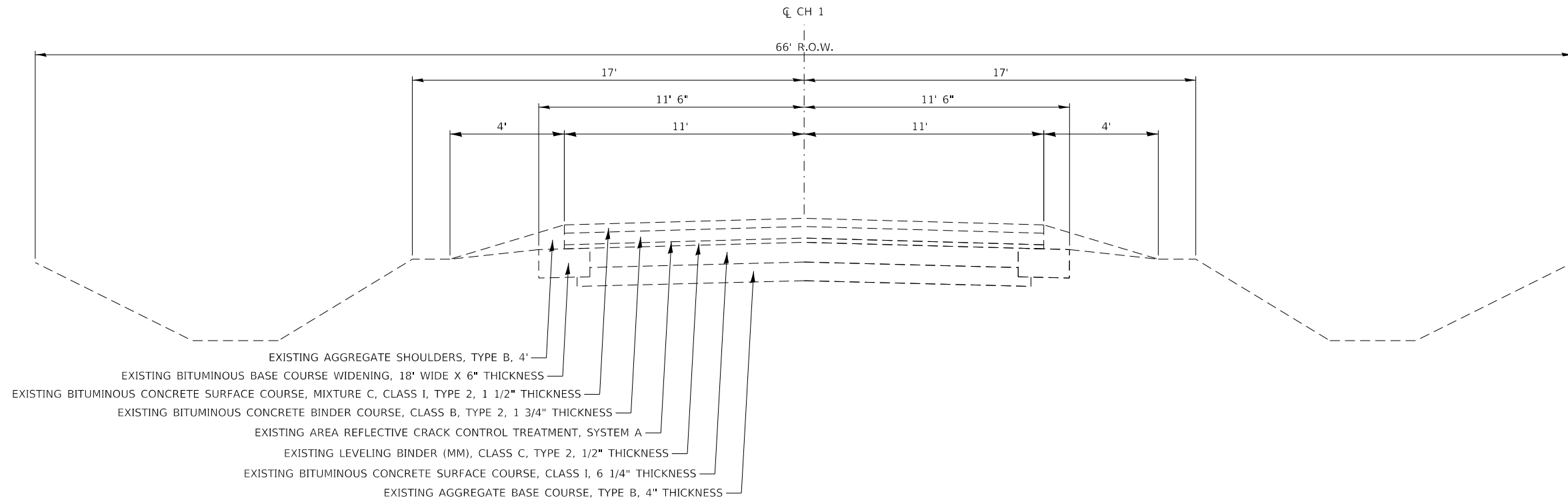
SEC. 20-00035-05-RS (McLEAN COUNTY)
 CROPSY ROAD (CH 1)
 STA. 80+12 TO STA. 106+56



RAILROAD OMISSION
 STA. 81+47 TO STA. 81+85 (38')

EXISTING TYPICAL CROSS SECTION

SEC. 20-00035-05-RS (McLEAN COUNTY)
 CROPSY ROAD (CH 1)
 STA. 106+56 TO STA. 150+54

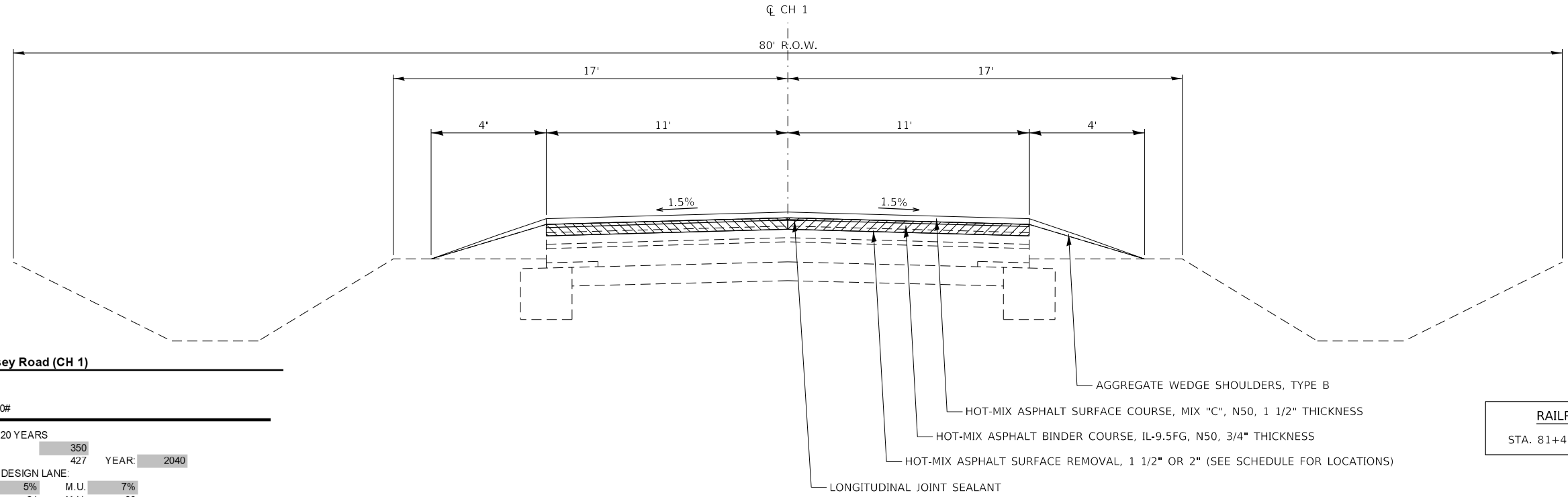


McLEAN COUNTY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	15-00145-06-RS	LIVINGSTON	8	3
	20-00035-05-RS	McLEAN		
PROJECT NO. 8GYP(042)		CONTRACT NO. 87735		

PROPOSED TYPICAL CROSS SECTION

SEC. 20-00035-05-RS (McLEAN COUNTY)
 CROPSY ROAD (CH 1)
 STA. 80+12 TO STA. 106+56



Sec. 20-00035-05-RS: Cropsey Road (CH 1)

STA 80+12 TO STA 150+54

STRUCTURAL DESIGN DATA 80,000#

CLASS II ROAD DESIGN PERIOD 20 YEARS
 CURRENT A.D.T. 350
 STRUCTURAL DESIGN TRAFFIC: 427 YEAR: 2040
 PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:
 P.C. 88% S.U. 5% M.U. 7%
 P.C. 376 S.U. 21 M.U. 30
 MINIMUM SOIL SUPPORT: IBR= 3.0
 TRAFFIC FACTOR (T.F.)= 0.140
 STRUCTURAL NUMBER (D_t)= 3.1

PAVEMENT STRUCTURE MATERIALS:

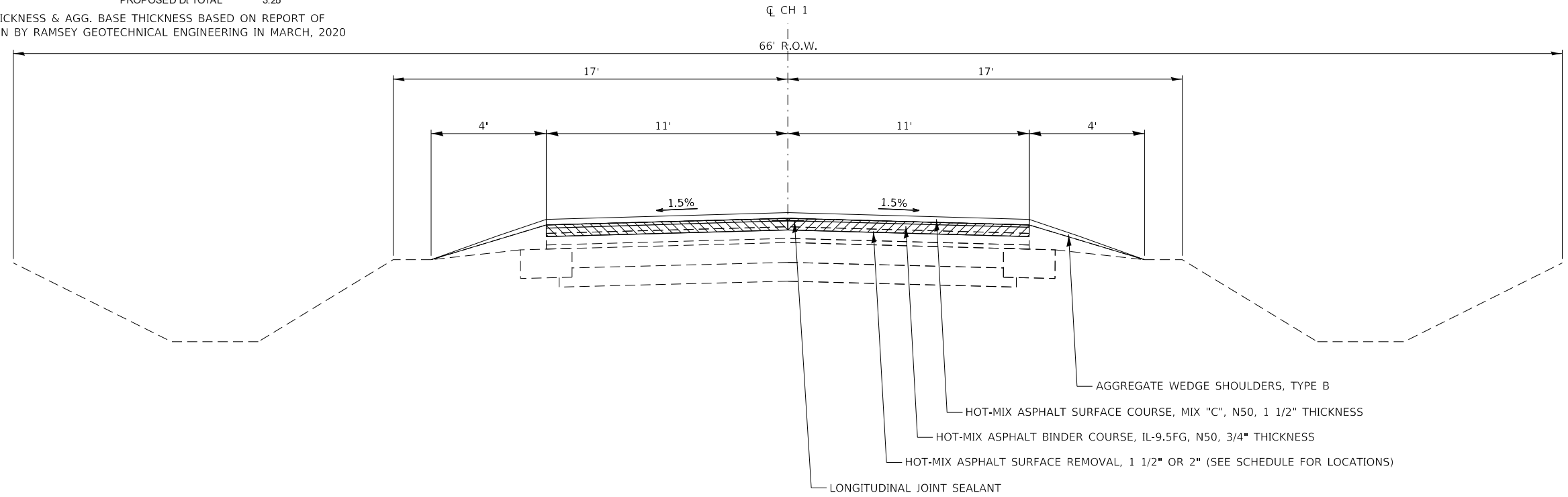
SURFACE: PROPOSED HMA PAVEMENT	2.25 @ 0.40	a1= 0.90
BASE: EXISTING HMA SURFACE	1.75 @ 0.30	a2= 0.53
BASE: EXISTING HMA BINDER	6.25 @ 0.23	a3= 1.44
SUBBASE: EXISTING AGGREGATE BASE COURSE	4 @ 0.10	a4= 0.40
PROPOSED D_t TOTAL		3.26

NOTE: EXISTING HMA PAVEMENT THICKNESS & AGG. BASE THICKNESS BASED ON REPORT OF TWO PAVEMENT CORES TAKEN BY RAMSEY GEOTECHNICAL ENGINEERING IN MARCH, 2020

RAILROAD OMISSION
 STA. 81+47 TO STA. 81+85 (38')

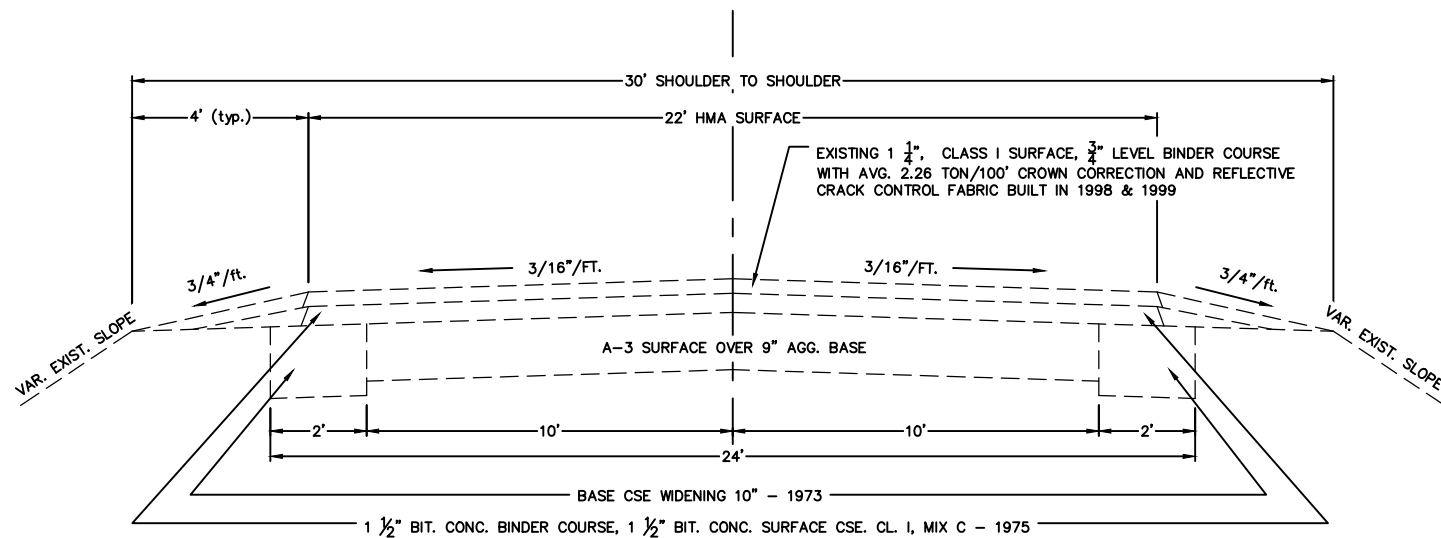
PROPOSED TYPICAL CROSS SECTION

SEC. 20-00035-05-RS (McLEAN COUNTY)
 CROPSY ROAD (CH 1)
 STA. 106+56 TO STA. 150+54



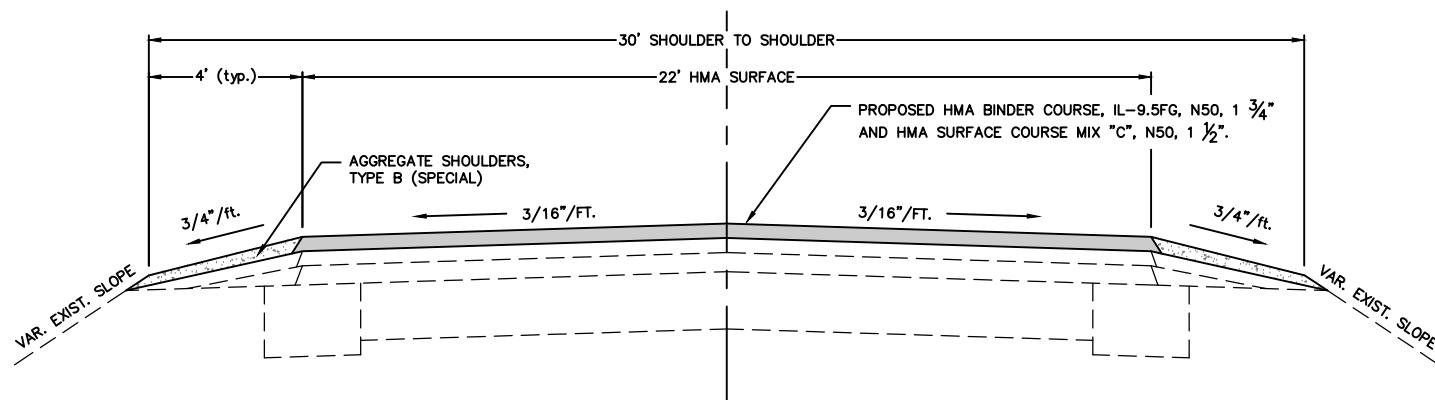
McLEAN COUNTY

NOT PLOTTED TO SCALE



EXISTING TYPICAL CROSS SECTION (NTS)

SEC. 15-00145-06-RS
FAIRBURY ROAD (CH 6)
STA 44+00 TO STA. 523+00



PROPOSED TYPICAL CROSS SECTION (NTS)

SEC. 15-00145-06-RS
FAIRBURY ROAD (CH 6)
STA 44+00 TO STA. 523+00

Curve #1 Data

P.I. Sta. 53+05.70
Δ 90°59'00"
R(existing) 763.94'
T 777.16'
L 1213.11'
E 325.83'
e 8.0%
D 7°30'00"
T.R. 30.32'
S.E. Run 161.68'
P.C. Sta. 45+28.54
P.T. Sta. 57+41.65

Curve #2 Data

P.I. Sta. 249+83.56
Δ 90°49'30"
R(existing) 763.94'
T 775.36'
L 1211.33'
E 324.30'
e 8.0%
D 07°30'00"
T.R. 30.32'
S.E. Run 161.68'
P.C. Sta. 242+08.00
P.T. Sta. 254+19.33

Curve #3 Data

P.I. Sta. 268+38.50
Δ 90°19'00"
R(existing) 763.94'
T 768.17'
L 1204.27'
E 319.43'
e 8.0%
D 07°30'00"
T.R. 30.32'
S.E. Run 161.68'
P.C. Sta. 260+70.33
P.T. Sta. 272+74.60

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	15-00145-06-RS	LIVINGSTON	8	4
	20-00035-05-RS	McLEAN		
PROJECT NO. 8GYP(042)		CONTRACT NO. 87735		

Sec. 15-00145-06-RS: Fairbury Road (CH 6)
LIVINGSTON COUNTY STA. 44+00 TO STA. 523+00

STRUCTURAL DESIGN DATA 80,000#
CLASS III ROAD DESIGN PERIOD 20 YEARS
CURRENT A.D.T. 550
STRUCTURAL DESIGN TRAFFIC: 700 YEAR: 2041
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:
P.C. 85% S.U. 10% M.U. 5%
P.C. 595 S.U. 70 M.U. 35
MINIMUM SOIL SUPPORT: IBS= 3.0
TRAFFIC FACTOR (T.R.)= 0.212
STRUCTURAL NUMBER (Dt)= 3.30
PAVEMENT STRUCTURE MATERIALS:
SURFACE: PROPOSED HMA PAVEMENT 3.25 @ 0.40 a1= 1.30
BASE: EXISTING HMA SURFACE 2.00 @ 0.30 a2= 0.60
BASE: PREVIOUS HMA SURFACE 3 @ 0.23 a3= 0.69
BASE: PREVIOUS A-3 1 @ 0.15 a4= 0.15
SUBBASE: EXISTING AGGREGATE BASE COURSE 9 @ 0.08 a5= 0.72
PROPOSED Dt TOTAL = 3.46

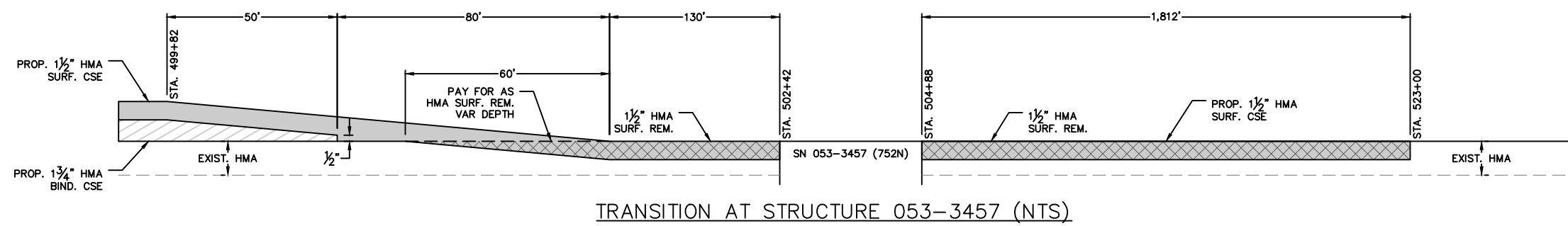
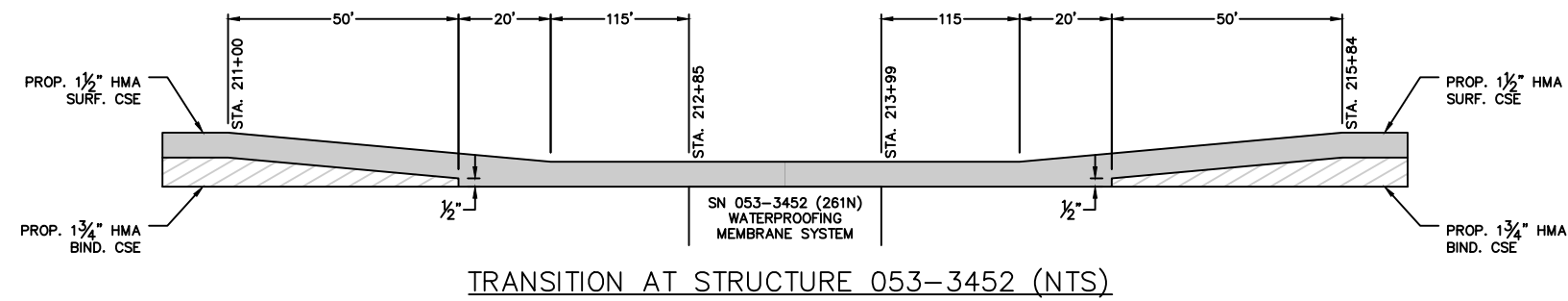
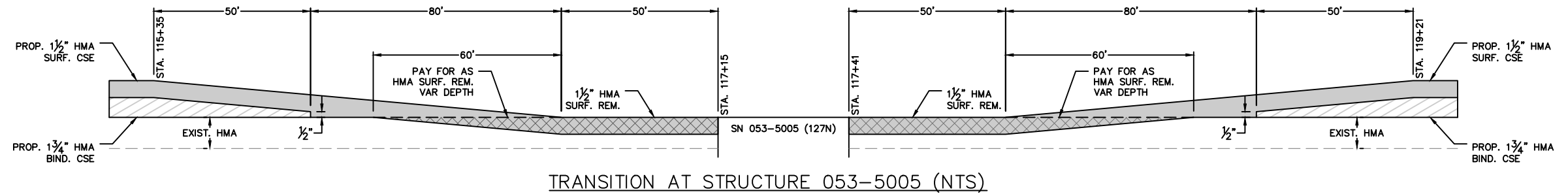
NOTE: EXISTING HMA PAVEMENT THICKNESS & AGG. BASE THICKNESS BASED ON EXISTING PLANS

	HMA Binder	HMA Surface	HMA Incidental
Location(s)	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
PG Grade	PG64-22	PG64-22	PG64-22
Design Air Voids	4.0% @ N50	4.0% @ N50	4.0% @ N50
Mixture Composition	IL 9.5FG	IL 9.5FG	IL 9.5FG
Friction Aggregate	N/A	Mixture C	Mixture C
Density Test Method	Cores / Correlation*	Cores / Correlation	Satisfaction of Engineer
Mixture Weight	112 # / s.y. / inch	112 # / s.y. / inch	112 # / s.y. / inch
Quality Management Program	QC/QA	QC/QA	QC/QA
Sublot Size	N/A	N/A	N/A

*Density requirement waived for 3/4" compacted lift thickness

NOT PLOTTED TO SCALE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	15-00145-06-RS	LIVINGSTON	8	5
	20-00035-05-RS	McLEAN		
PROJECT NO. 8GYP(042)		CONTRACT NO. 87735		

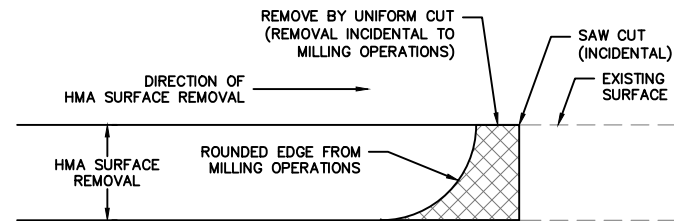


NOT PLOTTED TO SCALE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	15-00145-06-RS	LIVINGSTON	8	6
	20-00035-05-RS	McLEAN		
PROJECT NO. 8GYP(042)		CONTRACT NO. 87735		

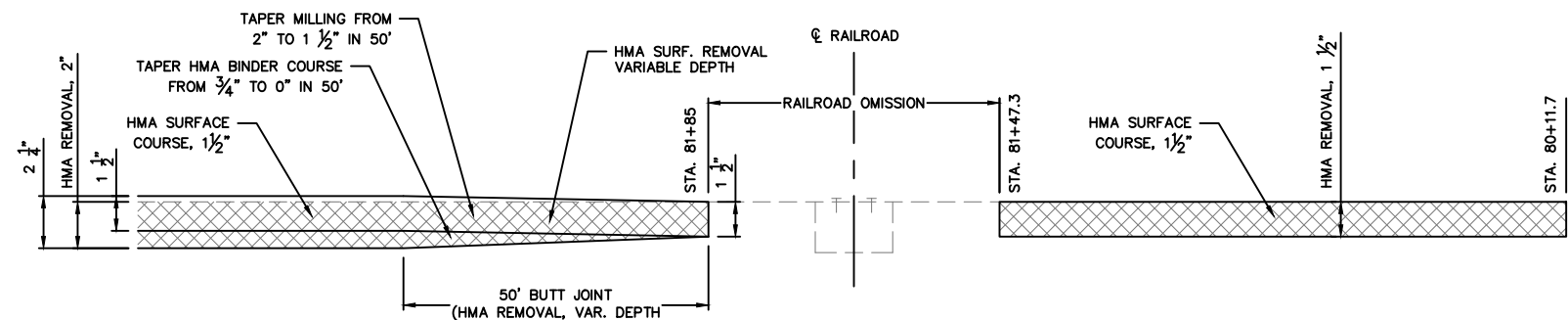
GENERAL NOTES:

- ALL TEMPORARY & PERMANENT PAVEMENT STRIPING WILL BE DONE BY OTHERS BETWEEN STA. 80+11.7 TO 150+53.9 (McLEAN COUNTY PORTION).
- ALL AREAS WHERE A 4' WING OUT AT FIELD ENTRANCES, PRIVATE ENTRANCES AND SIDE ROADS SHALL BE CONSTRUCTED WITH THE EXTENDABLE SCREED WIDENER AND PAID FROM HOT-MIX ASPHALT BINDER AND HOT-MIX ASPHALT SURFACE COURSE PAY ITEMS.
- ALL PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, SIDE ROADS, AND SOME RURAL MAILBOX TURNOUTS ARE TO BE CONSTRUCTED AND PAID FROM INCIDENTAL HOT-MIX ASPHALT SURFACING AND SHALL BE LAID OUT BY THE ENGINEER.
- AGGREGATE SHOULDERS SHALL BE PLACED ALONG ALL SIDEROAD RETURN RADII AND SHALL BE PLACED ALONG AND BEHIND ALL FIELD ENTRANCES, MAILBOX TURNOUTS, AND ALL PRIVATE AND COMMERCIAL ENTRANCES UNLESS SPECIFIED BY THE ENGINEER.

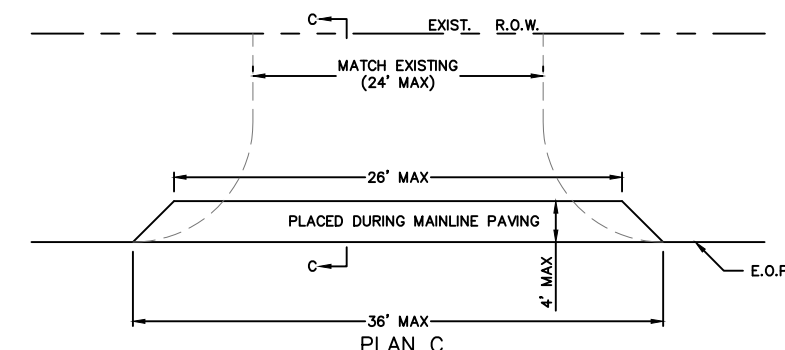


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS



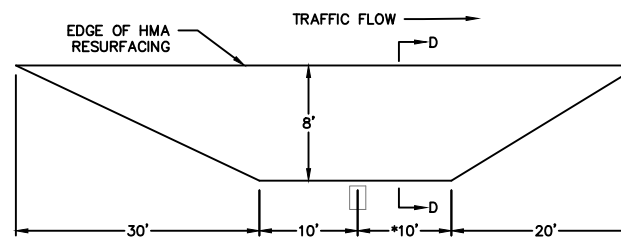
BEGINNING OF McLEAN CO. IMPROVEMENTS (NTS)



SECTION C-C

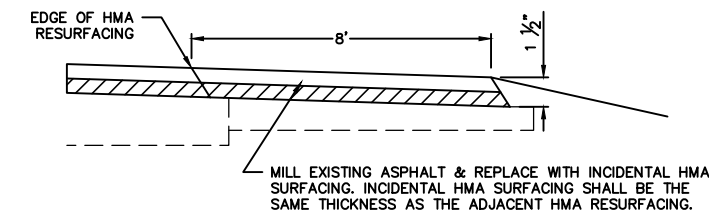
McLEAN CO. TYPICAL FIELD ENTRANCE

BETWEEN STA. 80+11.7 AND 150+53.9
12 EACH @ 13.8 SQ YDS (MAX) OR MATCH EXISTING



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

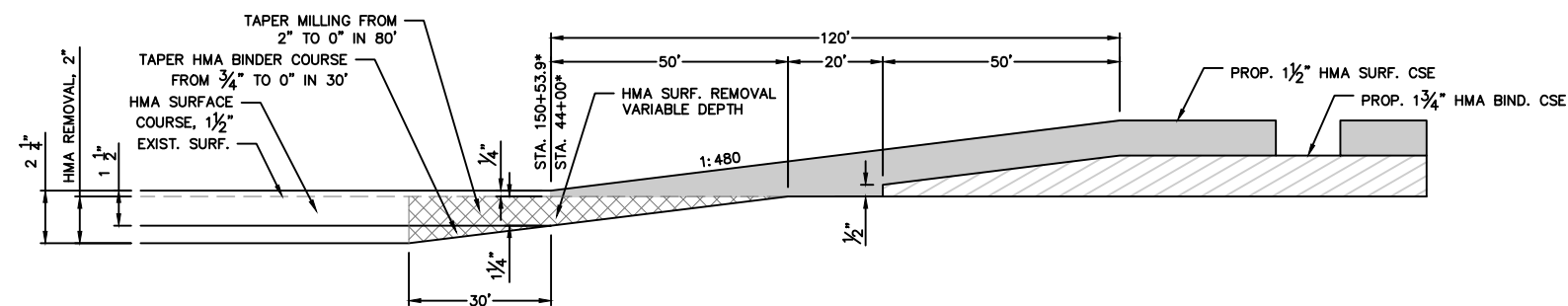
PLAN D



SECTION D-D

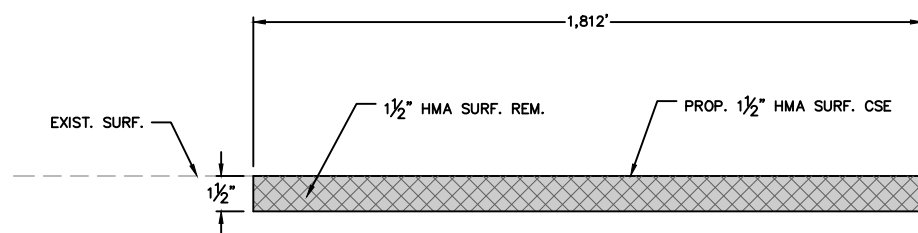
McLEAN CO. MAILBOX TURNOUT DETAIL (NTS)

BETWEEN STA. 80+11.7 AND 150+53.9
2 EACH @ 40.0 SQ YDS (MIN.)*
3 EACH CONNECTED TO DRIVEWAY
(SEE IDOT STANDARD 406201-01)

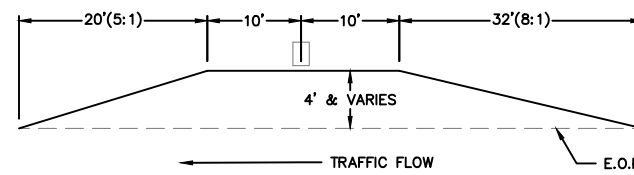


END OF McLEAN CO. IMPROVEMENTS
BEGINNING OF LIVINGSTON CO. IMPROVEMENTS (NTS)

STA. 150+53.9/STA 44+00
*ENGINEER TO ADJUST IN THE FIELD TO AVOID SUPER ELEVATION TRISION



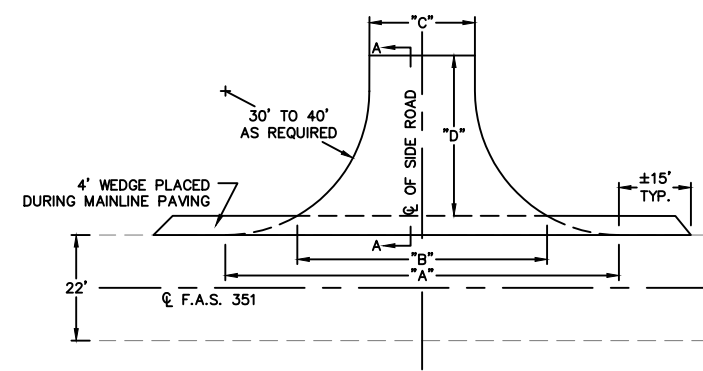
END OF LIVINGSTON CO. IMPROVEMENTS (NTS)



LIVINGSTON CO. MAILBOX TURNOUT DETAIL (NTS)

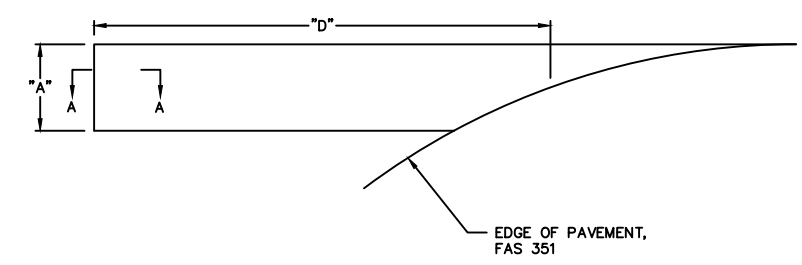
BETWEEN STA. 44+00 AND 523+00
PLACED DURING MAINLINE PAVING

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	15-00145-06-RS	LIVINGSTON	8	7
	20-00035-05-RS	McLEAN		
PROJECT NO. 8GYP(042)		CONTRACT NO. 87735		



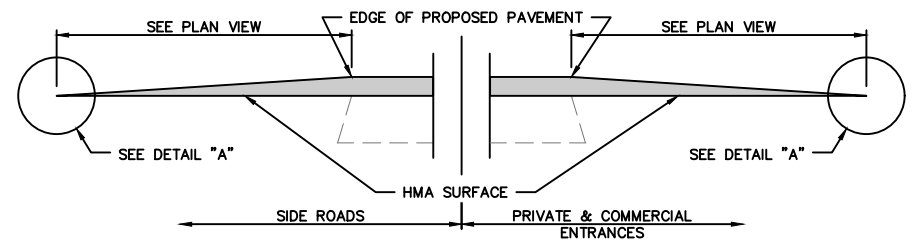
TYPICAL SIDE ROAD INTERSECTION (NTS)

STA. 102+94	LT.	(100N)
STA. 156+26	LT. & RT.	(200N)
STA. 196+30	LT. & RT.	(240N)
STA. 317+87	LT. & RT.	(400N)
STA. 370+59	LT & RT.	(500N)
STA. 423+23	LT & RT.	(600N)
STA. 461+48	LT	(670N)
STA. 475+93	LT	(700N)



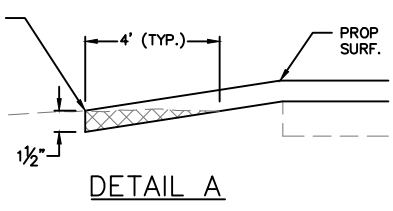
TANGENT SIDE ROAD DETAIL (6 TOTAL)

NOT PLOTTED TO SCALE



SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS

THE COST OF REMOVAL AT EXISTING HMA OR PCC LOCATIONS SHALL BE PAID FOR PER SQ YD BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.

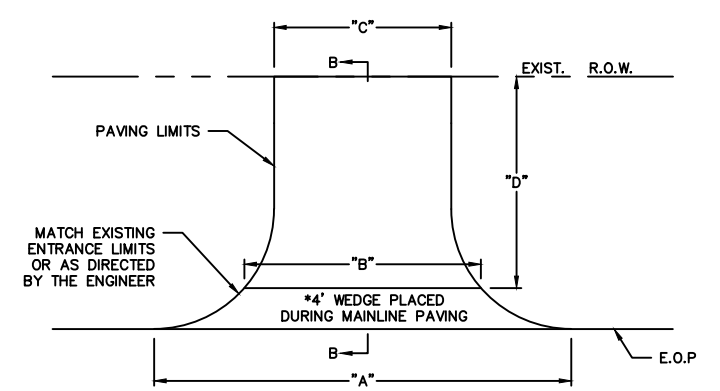


DETAIL A

LIVINGSTON CO. FAIRBURY RD / CH 6 - INTERSECTION QUANTITIES									
LOCATION	A(Ft.)	B(Ft.)	C(Ft.)	D(Ft.)	HMA SURF REM VAR DEPTH (S.Y.)	BIT. MAT. (TACK COAT) (LB)	LEVEL BINDER	SURFACE COURSE	INCID. BIT.
Sta. 46+80 Tangent (E-W)	19	19	19	96	8	91	-	-	23
Sta. 55+75 Tangent (N-S)	19	19	19	103	8	98	-	-	24
100N(L)	53	33	16	18	-	46	3	3	5
200N(L)	59	56	22	20	-	65	4	3	10
200N(R)	67	55	20	27	-	79	4	3	13
240N(L)	63	49	20	18	-	58	4	3	8
240N(R)	56	47	19	18	-	54	4	3	7
Sta. 243+50 Tangent (N-S)	16	16	16	111	7	89	-	-	22
Sta. 252+60 Tangent (E-W)	19	19	19	96	8	91	-	-	23
Sta. 262+20 Tangent (E-W)	17	17	17	131	8	111	-	-	28
Sta. 271+00 Tangent (N-S)	18	18	18	134	8	120	-	-	30
400N(L)	43	32	15	18	-	42	3	3	5
400N(R)	58	49	22	18	-	57	4	3	8
500N(L)	65	54	19	18	-	60	4	3	8
500N(R)	73	60	21	24	-	78	4	4	12
600N(L)	71	59	24	18	-	66	4	4	9
600N(R)	66	54	20	18	-	61	4	3	8
670N(L)	79	67	27	18	-	74	5	4	11
700N(R)	89	76	28	18	-	81	5	4	12
Timber Ridge Dr(R)	82	75	43	11	72	32	-	-	6
E Pine St(L)	78	61	25	18	86	39	-	-	7
TOTALS					205	1,492	52	43	279

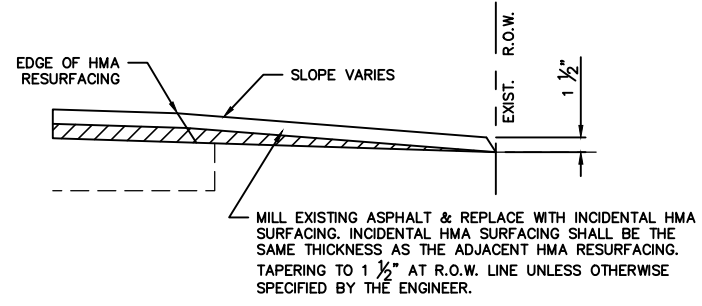
LIVINGSTON CO. FAIRBURY RD / CH 6 - ENTRANCE QUANTITIES											
TYPE	STATION	A(Ft.)	B(Ft.)	C(Ft.)	D(Ft.)	HMA SURF REM VAR DEPTH (S.Y.)	BIT. MAT. (TACK COAT) (LB)	BIT. MAT. (PRIME COAT) (LB)	LEVEL BINDER	SURFACE COURSE	INCID. BIT.
PE	58+56(R)*	42	29	11	18	-	31	52	-	-	11
PE	92+79(R)*	36	29	13	18	-	17	72	-	-	11
PE	99+93(L)	33	22	12	18	-	8	77	2	2	6
PE	122+56(L)	42	33	14	18	-	4	143	2	2	8
PE	124+41(R)*	44	37	14	18	-	20	74	-	-	12
PE	141+15(R)	58	48	33	18	-	16	182	3	2	13
PE	173+06(R)*	33	24	9	18	-	16	50	-	-	9
PE	207+50(L)	42	30	15	18	-	4	137	2	2	7
PE	222+16(R)*	68	62	19	18	-	26	182	4	4	13
PE	271+06(L)	-	46	29	24	-	-	225	-	-	16
PE	272+13(L)	41	34	12	20	-	8	115	-	-	11
PE	273+16(L)	35	26	12	18	-	6	86	-	-	8
PE	278+05(L)	54	45	32	18	-	5	223	3	2	12
PE	331+09(L)*	54	48	18	18	-	8	226	4	3	11
PE	367+00(L)	51	44	25	18	-	5	203	3	2	11
PE	367+75(L)	37	27	12	18	-	10	88	2	2	7
PE	368+65(L)*	31	20	11	18	-	43	-	5	4	5
PE	368+65(R)	29	20	10	18	-	21	-	2	1	5
PE	370+00(R)	22	17	10	18	-	18	-	1	1	5
MBTO	414+75(L)**	-	111	20	7	-	-	115	-	-	8
PE	414+75(R)	65	55	26	18	-	18	20	3	3	13
PE	416+46(R)	64	50	30	18	-	6	237	3	3	13
PE	433+18(L)	43	32	14	18	-	4	16	2	2	8
PE	434+77(L)*	52	48	11	18	-	23	62	-	-	12
PE	435+92(L)	82	68	37	18	-	23	236	4	3	17
MBTO	445+10(L)**	-	111	20	7	-	-	115	-	-	8
PE	445+10(R)	72	58	21	18	-	7	243	3	3	13
MBTO	455+96(L)**	-	111	20	7	-	-	115	-	-	8
PE	455+96(R)	58	43	14	18	-	5	91	3	2	9
PE	485+72(R)	40	35	26	18	-	4	78	2	2	10
PE	487+23(R)	58	48	26	18	-	5	94	3	2	12
PE	491+16(L)*	34	29	16	9	-	26	-	3	2	4
PE	492+27(R)	25	18	12	18	10	20	-	1	1	5
PE	493+65(R)	27	19	12	18	10	21	-	2	1	5
PE	494+07(L)*	28	22	11	18	-	34	-	3	3	6
PE	495+24(L)	26	21	12	18	-	22	-	2	1	6
CE	497+47(L)	65	53	18	35	-	80	-	3	3	22
PE	513+05(L)*	-	36	28	6	35	16	-	-	-	3
PE	514+58(L)*	-	31	24	6	32	14	-	-	-	3
MBTO	4 Total	72	20	-	-	-	56	-	12	8	-
TOTALS						86	643	3,554	82	66	366

* DIMENSIONS ARE TO THE CL OF MAILBOX. QUANTITIES INCLUDE THE MBTO.
** MBTO GREATER THAN 4' FROM EOP. APPROACH LENGTH IS 8:1 AND DEPARTURE LENGTH IS 5:1



*NOTE: DO NOT PLACE 4' WEDGE DURING MAINLINE PAVING FOR McLEAN CO. PORTION OF THE PROJECT.

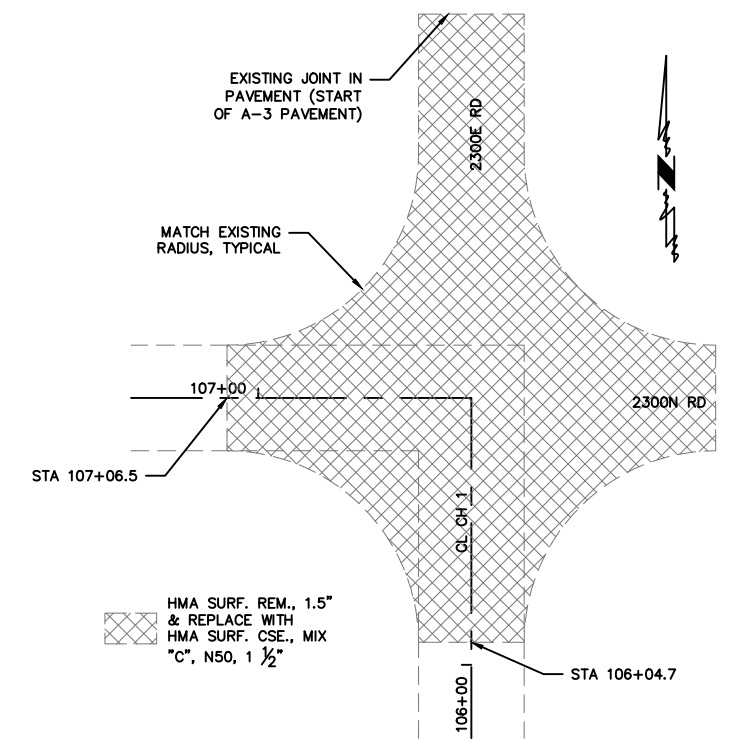
PLAN B



MILL EXISTING ASPHALT & REPLACE WITH INCIDENTAL HMA SURFACING. INCIDENTAL HMA SURFACING SHALL BE THE SAME THICKNESS AS THE ADJACENT HMA RESURFACING. TAPERING TO 1 1/2" AT R.O.W. LINE UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

SECTION B-B

P.E. / C.E. DETAILS (NTS)
SEE CHART FOR LIVINGSTON CO. QUANTITIES
McLEAN CO.: 8 EACH @ VARYING AREAS
(MATCH EXISTING)



McLEAN CO.
INTERSECTION DETAIL

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	15-00145-06-RS	LIVINGSTON	8	8
	20-00035-05-RS	McLEAN		
PROJECT NO. 8GYP(042)		CONTRACT NO. 87735		

LIVINGSTON CO. SCHEDULE OF RESURFACING QUANTITIES													
LOCATION (QUANTITY)	LENGTH	HMA SURF REMOVAL VAR DEPTH (SQ YD)	SHORT-TERM PAVT MARKING (FOOT)	SHORT-TERM PAVT MARKING REMOVAL (SQ FT)	PAINT PVT MARKING LINE, 4" (FOOT)	BIT MATLS TACK CT (POUND)	BIT MATLS PR CT (POUND)	HMA SURF REMOVAL 1.50" DEPTH (SQ YD)	WATERPRF MEMBRANE SYSTEM (SQ YD)	Unit weight Constant = 112.0 lbs./sq. inch		INCIDENTAL BIT SURF (TON)	AGG SHLD TYPE B (Special) (TON)
										BINDER CSE IL-9.5FG N50 (TON)	HMA SURF CSE "C" N50 (TON)		
MAINLINE			(2 Apps.)	(1 App.)									
44+00. to 44+50. (TAPER)	50	122	10	2		55	-	-	-	-	10	-	2
44+50. to 44+70. (TAPER)	20	-	4	1		22	-	-	-	-	5	-	2
44+70. to 45+20. (TAPER)	50	-	10	2		82	-	-	-	8	10	-	7
45+20. to 45+29. (TAPER)	9	-	2	-		15	-	-	-	2	2	-	1
45+29. to 57+42. (EXTRA WIDTH 4' RT)	1213	-	242	40		2,123	1213	-	-	348	294	-	100
57+42. to 115+35. (TAPER)	5793	-	1158	193		9,559	-	-	-	1,409	1,190	-	953
115+35. to 115+85. (TAPER)	50	-	10	2		82	-	-	-	8	10	-	7
115+85. to 116+05. (TAPER)	20	-	4	1		22	-	-	-	-	5	-	2
116+05. to 116+65. (TAPER)	60	147	12	2		66	-	-	-	-	12	-	2
116+65. to 117+15. (TAPER)	50	-	10	2		55	-	122	-	-	10	-	-
STRUCTURE OMISSION (053-5005)	26	-	-	-		-	-	-	-	-	-	-	-
117+41. to 117+91. (TAPER)	50	-	10	2		55	-	122	-	-	10	-	-
117+91. to 118+51. (TAPER)	60	147	12	2		66	-	-	-	-	12	-	2
118+51. to 118+71. (TAPER)	20	-	4	1		22	-	-	-	-	5	-	2
118+71. to 119+21. (TAPER)	50	-	10	2		82	-	-	-	8	10	-	7
119+21. to 211+00. (TAPER)	9179	-	1836	306		15,146	-	-	-	2,232	1,885	-	1510
211+00. to 211+50. (TAPER)	50	-	10	2		82	-	-	-	8	10	-	7
211+50. to 211+70. (TAPER)	20	-	4	1		22	-	-	-	-	5	-	2
211+70. to 212+13. (EXTRA WIDTH 4' RT)	43	-	8	1		47	43	-	-	-	10	-	2
212+13. to 214+59. (EXTRA WIDTH 4' LT & RT)	246	-	50	8		320	246	-	380	-	69	-	-
214+59. to 215+14. (EXTRA WIDTH 4' LT)	55	-	12	2		61	55	-	-	-	13	-	2
215+14. to 215+34. (TAPER)	20	-	4	1		22	-	-	-	-	5	-	2
215+34. to 215+84. (TAPER)	50	-	10	2		82	-	-	-	8	10	-	7
215+84. to 242+08. (TAPER)	2624	-	524	87		4,329	-	-	-	638	539	-	432
242+08. to 254+19. (EXTRA WIDTH 4' LT)	1211	-	242	40		2,119	1211	-	-	347	294	-	100
254+19. to 260+70. (TAPER)	651	-	130	22		1,074	-	-	-	158	134	-	107
260+70. to 272+74. (EXTRA WIDTH 4' RT)	1204	-	240	40		2,107	1204	-	-	345	292	-	99
272+74. to 460+48. (EXTRA WIDTH 4' RT)	18774	-	3754	626		30,977	-	-	-	4,566	3,855	-	3088
460+48. to 462+48. (EXTRA WIDTH 4' RT)	200	-	40	7		350	200	-	-	57	49	-	16
462+48. to 474+93. (EXTRA WIDTH 4' LT)	1245	-	250	42		2,054	-	-	-	303	256	-	205
474+93. to 476+93. (EXTRA WIDTH 4' LT)	200	-	40	7		350	200	-	-	57	49	-	16
476+93. to 499+82. (TAPER)	2289	-	458	76		3,777	-	-	-	557	470	-	377
499+82. to 500+32. (TAPER)	50	-	10	2		82	-	-	-	8	10	-	7
500+32. to 500+52. (TAPER)	20	-	4	1		22	-	-	-	-	5	-	2
500+52. to 501+12. (TAPER)	60	147	12	2		66	-	-	-	-	12	-	2
501+12. to 502+42. (TAPER)	130	-	26	4		143	-	318	-	-	27	-	-
STRUCTURE OMISSION (053-3457)	246	-	-	-		-	-	-	-	-	-	-	-
504+88. to 516+00. (TAPER)	1112	-	222	37		1,223	-	2718	-	-	228	-	-
516+00. to 521+50. (EXTRA WIDTH 4' LT)	550	-	110	18		715	-	1589	-	-	133	-	-
521+50. to 523+00. (TAPER)	150	-	30	5		165	-	367	-	-	31	-	-
TOTAL JOB LENGTH OR MAINLINE QUANTITY	47900	563	9524	1591	0	77643	4372	5236	380	11066	9976	0	7070
MISCELLANEOUS													
PRIVATE & COMMERCIAL ENTRANCES (16)	-	-	-	-	-	587	3554	86	-	70	58	366	-
SIDEROAD INTERSECTIONS (9)	-	205	-	-	-	1492	-	-	-	52	43	279	-
M.B.T.O.'s (5)	-	-	-	-	-	56	-	-	-	12	8	-	-
TOTALS OF MAINLINE & MISC.	47,900	768	9,524	1,591	0	79,778	7,926	5,322	380	11,200	10,085	645	7,070

LIVINGSTON COUNTY				
SCHEDULE OF PAINT PAVEMENT MARK 4"				
LOCATION	NO PASSING ZONE	SKIP DASH		
STATION TO STATION	NBL	SBL	EBL	WBL
44+00 to 45+85	185			50
45+85 to 56+80	1,095	1,095		*
56+80 to 66+50			970	240
66+50 to 232+95				4,160
232+95 to 241+91	896			220
241+91 to 272+65	3,074	3,074		*
272+65 to 281+29			864	220
281+29 to 360+61				1,980
360+61 to 369+56	895			220
369+56 to 371+69	213	213		*
371+69 to 380+64			895	220
380+64 to 381+08				10
381+08 to 388+89	781			200
388+89 to 392+63				90
392+63 to 400+75			812	200
400+75 to 405+77				130
405+77 to 411+53	576			140
411+53 to 414+86				80
414+86 to 420+87			601	150
420+87 to 421+63				20
421+63 to 427+78	615			150
427+78 to 434+60				170
434+60 to 440+46			586	150
440+46 to 446+13				140
446+13 to 454+49	836			210
454+49 to 460+09				140
460+09 to 467+82			773	190
467+82 to 523+00				1,380
TOTALS	9,166	9,883		10,860
TOTAL PAY QUANTITY	29,909 FOOT			

McLEAN CO. SCHEDULE OF RESURFACING QUANTITIES													
LOCATION (QUANTITY)	LENGTH	HMA SURF REMOVAL VAR DEPTH (SQ YD)	SHORT-TERM PAVT MARKING (FOOT)	SHORT-TERM PAVT MARKING REMOVAL (SQ FT)	PAINT PVT MARKING LINE, 4" (FOOT)	BIT MATLS TACK CT (POUND)	HMA SURF REMOVAL 2" DEPTH (SQ YD)	HMA SURF REMOVAL 1.50" DEPTH (SQ YD)	Unit weight Constant = 112.0 lbs./sq. inch		INCIDENTAL BIT SURF (TON)	AGG WEDGE SHOULDER TYPE B (TON)	
									BINDER CSE IL-9.5FG N50 (TON)	HMA SURF CSE "C" N50 (TON)			
MAINLINE			(2 Apps.)	(1 App.)									
80+11.7 to 81+47.3	136	-	24	8	166	149	-	331	-	28	-	14	
R.R. CROSSING OMISSION													
81+85. to 82+35. (TAPER)	50	122	8	3	60	82	-	-	3	10	-	5	
82+35. to 106+04.7	2370	-	864	288	3,030	3,910	5793	-	251	487	-	246	
*106+04.7 to 107+06.5	102	-	-	-	300	454	-	673	-	57	-	32	
107+06.5 to 150+03.9	4297	-	784	261	1,714	7,091	10505	-	441	882	-	447	
150+03.9 to 150+53.9 (TAPER)	50	122	8	3	70	82	-	-	3	10	-	5	
TOTAL JOB LENGTH OR MAINLINE QUANTITY	7005	244	1688	563	5340	11769	16298	1004.0	697	1474	0	750	
MISCELLANEOUS													
PRIVATE & COMMERCIAL ENTRANCES (8)	-	338	-	-	-	17	-	-	-	40	-	-	
SIDEROAD INTERSECTIONS (0)	-	-	-	-	-	-	-	-	-	-	-	-	
FIELD ENTRANCES (12)	-	-	-	-	-	8	166	-	8	14	-	-	
M.B.T.O.'s (5)	-	66	-	-	-	8	57	-	-	20	-	-	
TOTALS OF MAINLINE & MISC.	7,005	648	1,688	563	5,340	11,803	16,521	1,004	705	1,488	60	750	

McLEAN COUNTY					
SCHEDULE OF PAINT PAVEMENT MARK 4"					
LOCATION	NO PASSING ZONE	SKIP DASH			
STATION TO STATION	NBL	SBL	EBL	WBL	CL
80+11 to 81+47	136				30
81+85 to 87+45		560			130
87+45 to 89+90	245	245			
89+90 to 92+70	280				60
92+70 to 95+70					70
95+70 to 98+40			270		70
98+40 to 100+85	245	245			
100+85 to 105+75	490				120
105+75 to 106+05	30	30			
INTERSECTION	150	150			
107+07 to 143+60					910
143+60 to 150+54				694	180
TOTALS	1,576	1,500	0	694	1,570
TOTAL PAY QUANTITY	5,340 FOOT				

* STATION 106+04.7 TO STATION 107+06.5 INCLUDES THE ENTIRE INTERSECTION. SEE INTERSECTION DETAIL ON SHEET 7.