

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
355	03-00201-03-FP	LIVINGSTON	5	1

PROJECT NO. SR-355(119)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR
PROPOSED LOCAL AGENCY IMPROVEMENT
SURFACE TRANSPORTATION PROGRAM

F.A.S. ROUTE 355, CH 16, SECTION 03-00201-03-FP
PROJECT NO. SR-355(119)
JOB NO. C-93-065-04

UTILITIES

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

DESIGN CRITERIA

STRUCTURAL DESIGN TRAFFIC (S.D.T.):
YEAR 2015: PV 792, SU 63, MU 45
MINIMUM SOIL SUPPORT: IBR = 3.00
T.F. = 0.196; Dt = 3.2

TYPE	DEPTH	a
PROPOSED BASE STABILIZATION	9"	0.23
NEW BINDER, SUPERPAVE N50	2 1/4"	0.32
NEW SURFACE, SUPERPAVE N50	1 1/4"	0.40

INDEX OF SHEETS

- COVER SHEET, STANDARDS, & SUMMARY OF QUANTITIES
- TYPICAL CROSS-SECTION & Details
- TRANSITION DETAILS
- GUARDRAIL SCHEDULE
- SCHEDULE OF RESURFACING QUANTITIES

STATE STANDARDS DETAILS

- 630001-05 STEEL PLATE BEAM GUARDRAIL
- 630101-05 GUARDRAIL MOUNTED ON EXISTING CULVERTS
- 631026-02 TRAFFIC BARRIER TERMINAL TYPE 5 & 5A
- 701201-02 LANE CLOSURE 2L, 2W, DAY ONLY ON-RD TO 24" OFF RD FOR SPEEDS > 45 MPH
- 701301-02 LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS FOR SPEED > 45 MPH
- 701311-02 LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY FOR SPEEDS > 45 MPH
- 702001-05 TRAFFIC CONTROL DEVICES
- BLR 21-6 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 22-4 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (ROAD CLOSED TO THRU TRAFFIC)
- BLR 23-1 TRAFFIC BARRIER TERMINAL TYPE 1
- BLR 24-1 MAILBOX TURNOUT FOR LOCAL ROADS

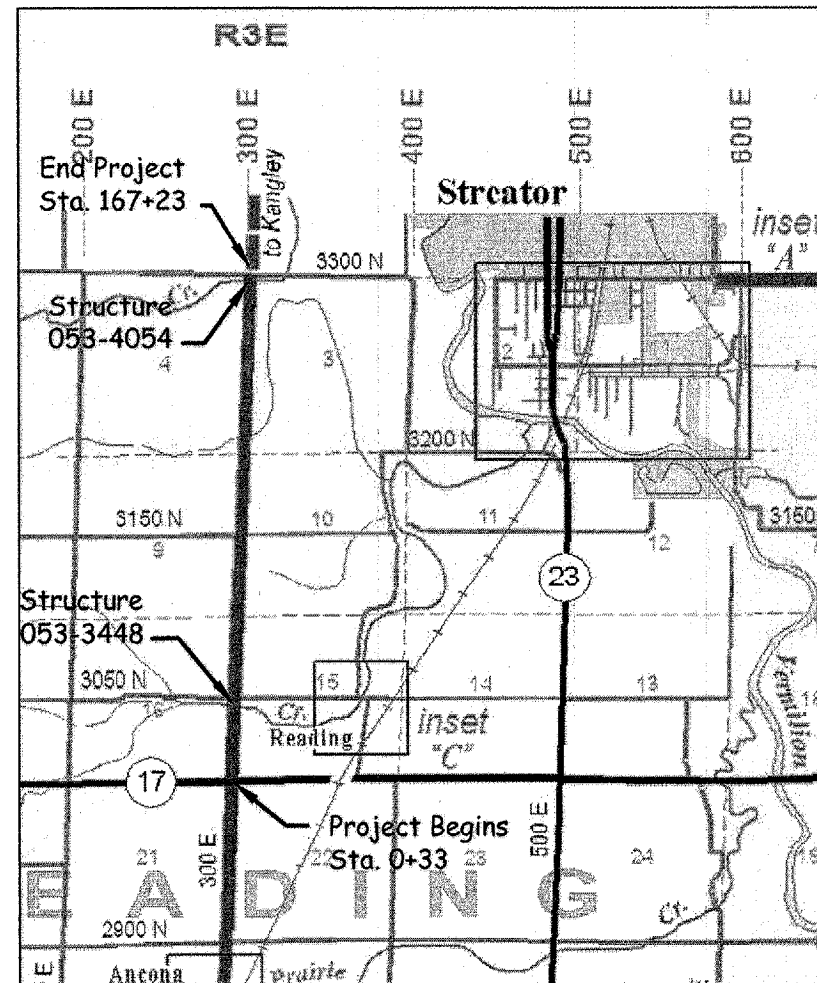
SUMMARY OF QUANTITIES

CONST. CODE I000

ITEM NO.	ITEM	UNIT	QUANTITIES
35200500	CEMENT	100 WT	5,968.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,907.0
40600300	AGGREGATE (PRIME COAT)	TON	78.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	58.0
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	120.0
* 44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	86.0
* 48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,470.0
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	364.0
* 63000135	STEEL PLATE BEAM GUARD RAIL, TYPE B (SPECIAL)	FOOT	100.0
* 63300405	REMOVAL AND REINSTALLATION OF EXISTING TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2.0
* 63300575	REMOVE AND RE-ERECT RAIL ELEMENT OF EXISTING GUARD RAIL	FOOT	1,281.0
* 70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,007.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	555.0
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4,171.0
* LR355000	PROCESSING STABILIZED BASE COURSE	SQ YD	43,406.0
* LR355215	BITUMINOUS MATERIALS (BASE COURSE)	GALLON	101,959.0
* X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	2,865.0
* X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	5,000.0
* Z0055300	RUMBLE STRIP	EACH	4.0

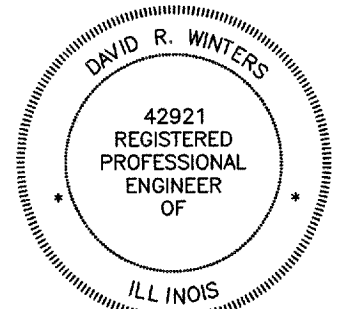
* SEE SPECIAL PROVISIONS

PROJECT NO. SR-355(119)
JOB NO. C-93-065-04
CONTRACT NO. 87292
DESIGN ADT= 900 / YR 2015
CONST. TYPE CODE I000



GROSS LENGTH = 16,690' = 3.161 MILES
NET LENGTH = 16,690' = 3.161 MILES

THIS PROJECT CONSISTS OF BASE STABILIZING NINE INCHES DEEP FOR THE ENTIRE SECTION. THE REMAINING WORK SHALL INCLUDE BITUMINOUS CONCRETE BINDER COURSE, BITUMINOUS CONCRETE SURFACE COURSE, MIX "C", N50, AND AGGREGATE SHOULDERS BEGINNING AT A POINT NEAR THE INTERSECTION OF ILLINOIS STATE 17 AND COUNTY HIGHWAY 16(3000N, 300E) EXTENDING NORTHERLY TO THE INTERSECTION OF C.H. 16 AND THE LIVINGSTON/LASALLE COUNTY LINE (3300N, 300E)



THESE PLANS WERE MADE BY ME OR BY A MEMBER OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.

02/09/05
DATE
COUNTY ENGINEER, P.E. NO. 42921
EXPIRATION DATE 11/30/2005

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

APPROVED _____
02/09 20 05
LIVINGSTON COUNTY OFFICIAL

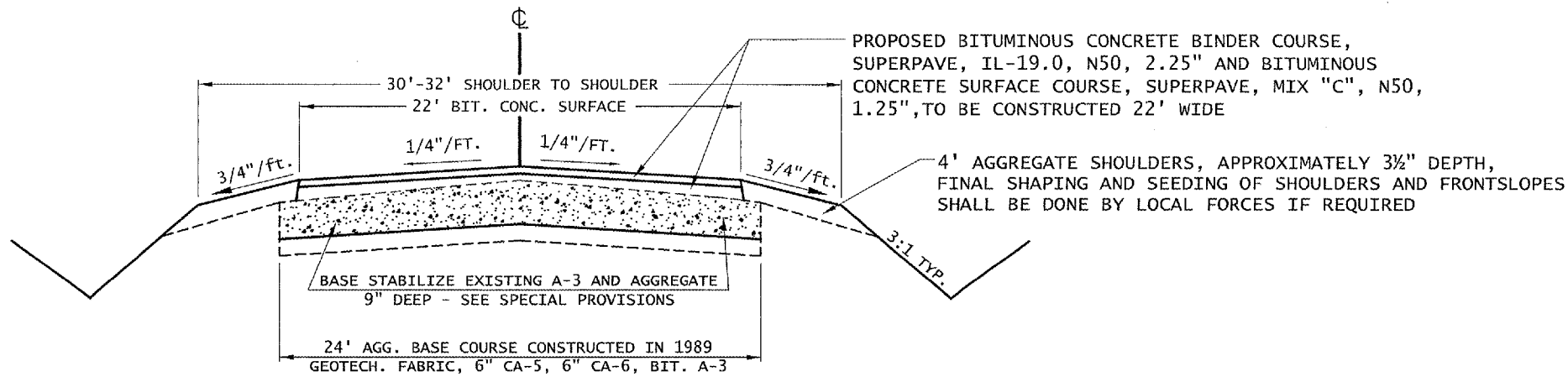
PASSED _____
02/09 20 05
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

APPROVED _____
02/09 20 05
DISTRICT ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

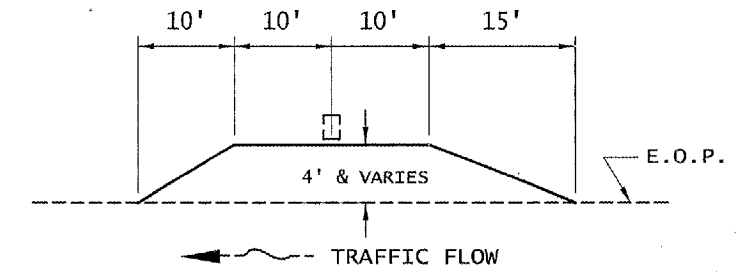
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
355	03-00201-03-FP	LIVINGSTON	5	2

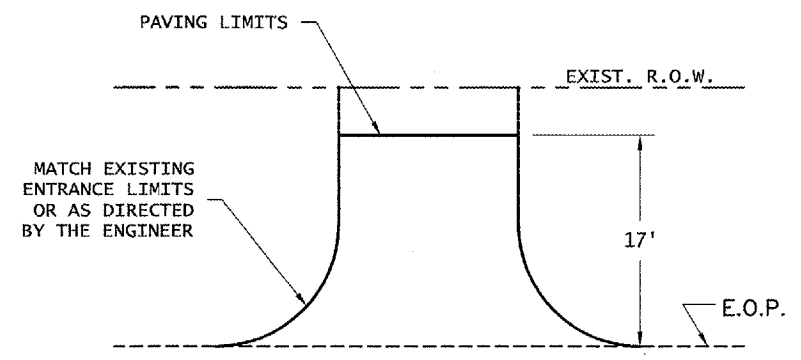
PROJECT NO. SR-355(119)



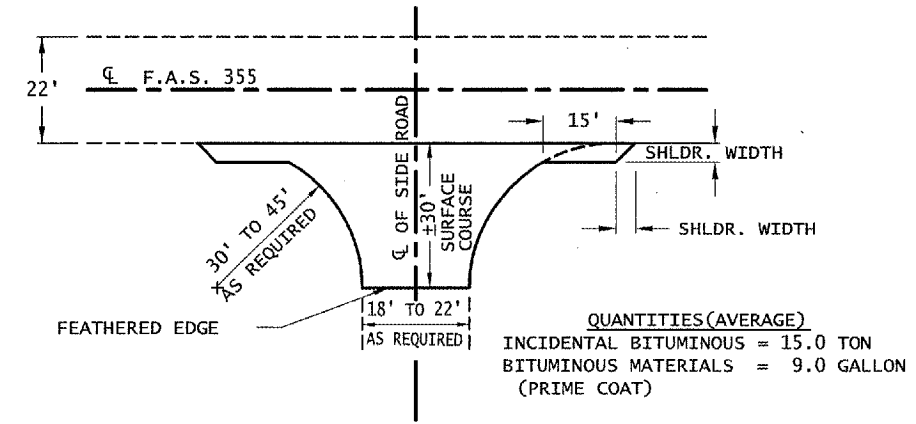
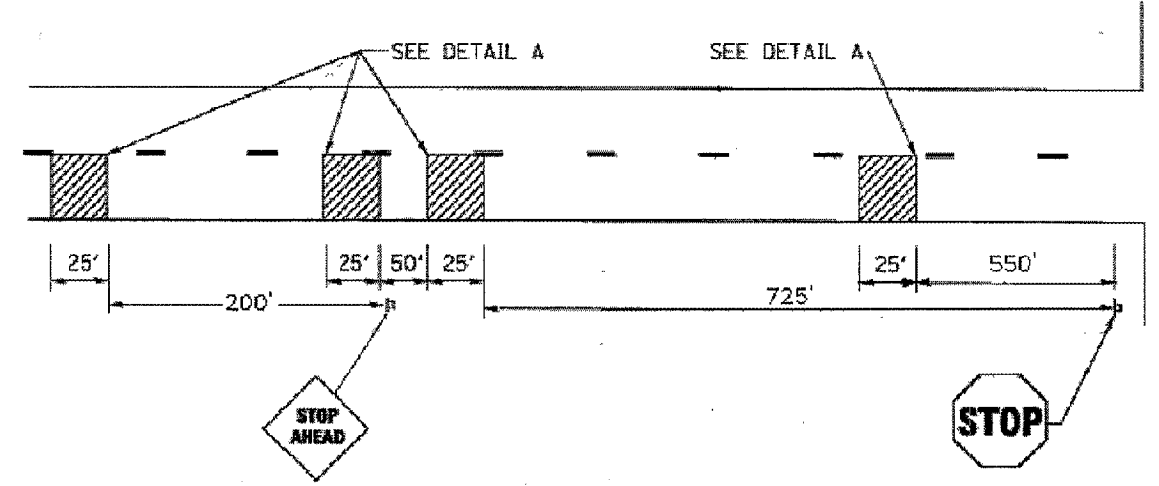
TYPICAL CROSS SECTION
Sta. 0+33 to 167+17
(See Sht. 3 for Transition & Taper Details)



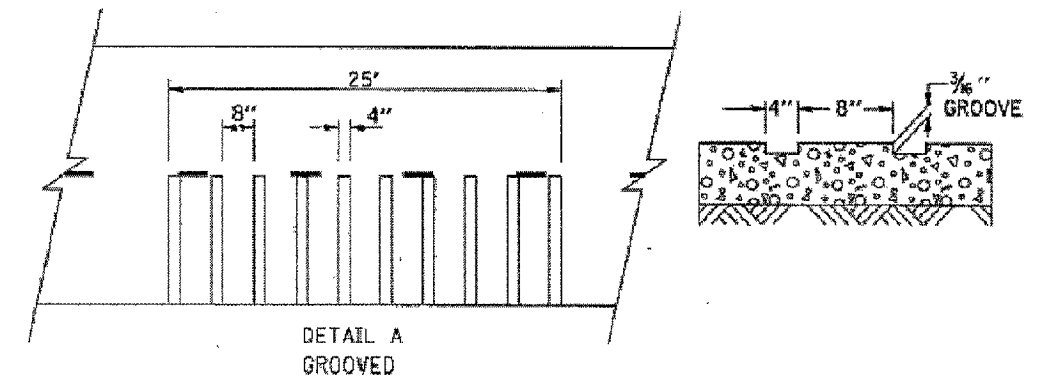
MAILBOX TURNOUT DETAIL
STA. 29+47 LT. STA. 63+28 LT.
STA. 84+78 LT. STA. 115+68 LT.
STA. 156+14 LT.



PRIVATE ENTRANCE DETAIL
STA. 29+05 RT. STA. 62+97 LT.
STA. 85+09 LT. STA. 115+90 LT.
STA. 156+37 LT.



TYPICAL SIDE ROAD INTERSECTION
STA. 27+00 LT.+RT. (3050N) STA. 79+65 LT.+RT. (3150N)
STA. 166+00 LT.+RT. (3300N)

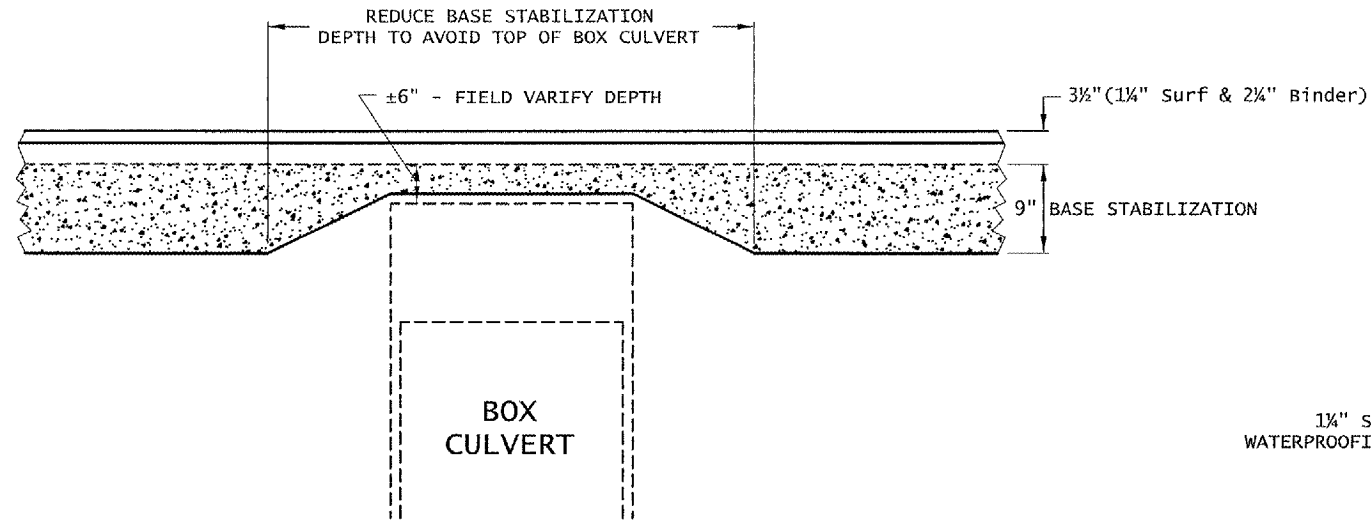


**GROOVED RUMBLE STRIP APPLICATION
IN ADVANCE OF IL RTE 17 INTERSECTION**

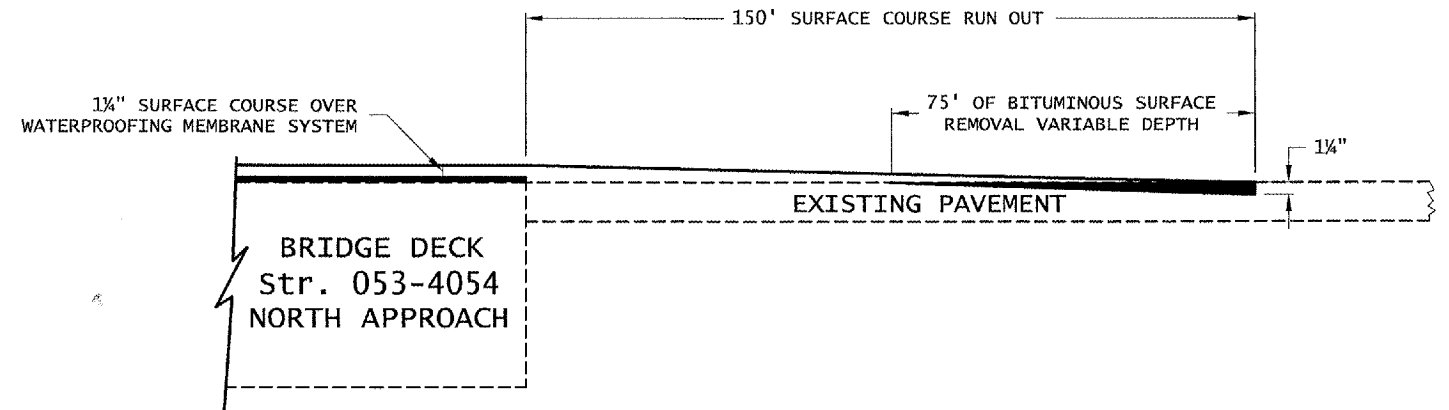
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
355	03-00201-03-FP	LIVINGSTON	5	3

PROJECT NO. SR-355(119)

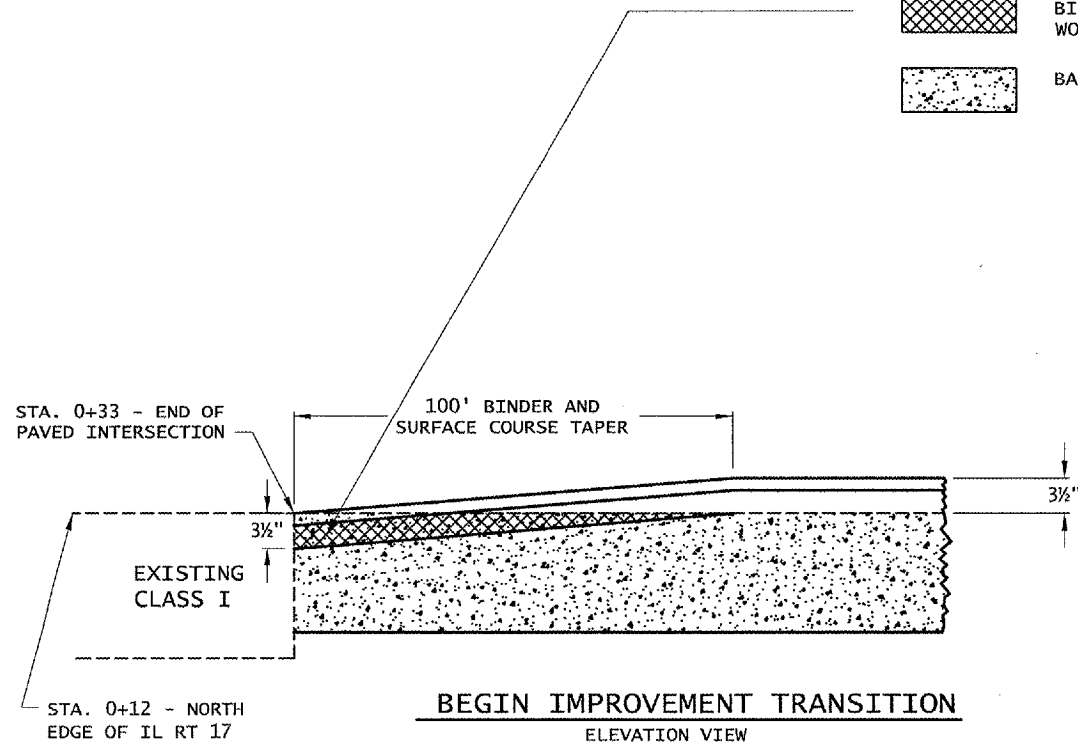


EXISTING BOX CULVERT, STA. 112+50
ELEVATION VIEW

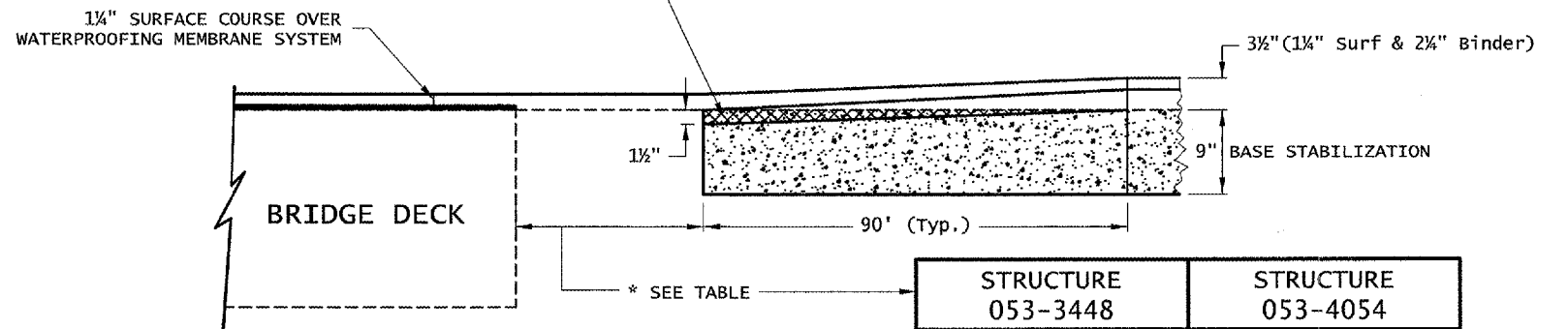


END IMPROVEMENT TAPER
ELEVATION VIEW

- MILLING AREA - BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH
- REMOVE STABILIZED MATERIAL IN TAPER AREA FOR BINDER AND SURFACE COURSE PLACEMENT, THIS WORK INCIDENTAL TO BASE STABILIZATION
- BASE STABILIZATION, 9"



BEGIN IMPROVEMENT TRANSITION
ELEVATION VIEW



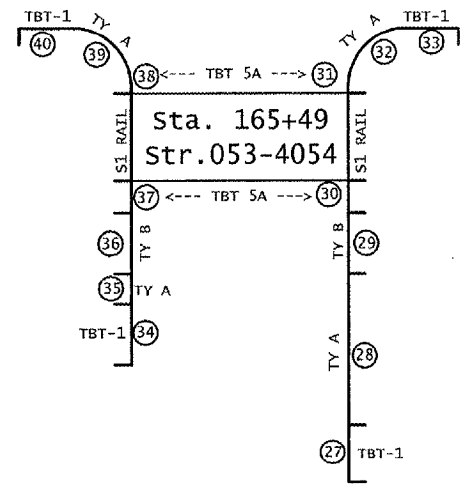
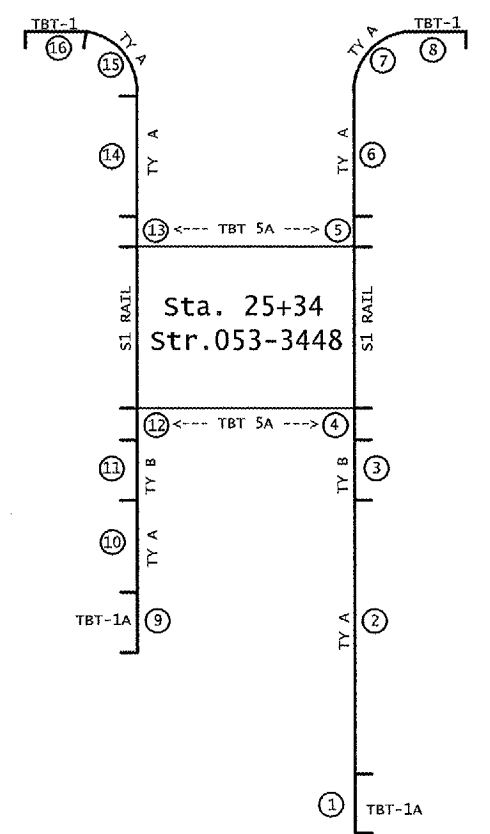
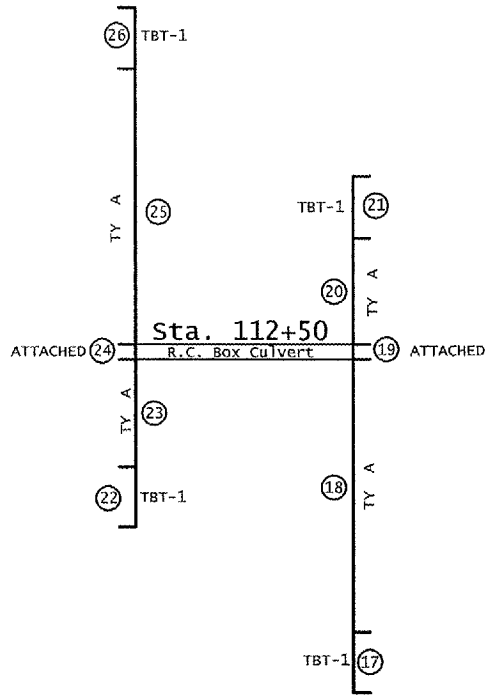
STRUCTURE 053-3448	STRUCTURE 053-4054
SOUTH APPROACH → 55.0'	SOUTH APPROACH → 60.0'
NORTH APPROACH → 40.0'	NORTH APPROACH → SEE END OF IMPROVEMENT TAPER

TRANSITION AT BRIDGES
ELEVATION VIEW

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GUARDRAIL SCHEDULE					
LOCATION NUMBER AND EXISTING RAIL ELEMENTS			REMOVE & RE-ERECT RAIL ELEM EX GDRL (FOOT)	SPBGR TYPE B SPECIAL (FOOT)	REMOVE & REINSTALL TRAF BARRIER TERM T1 (EACH)
1	TBT-1A	RT	25.00		1
2	TY A	RT	112.50		
3	TY B	RT	25.00	25.00	
4	TBT-5A	RT	13.25		
5	TBT-5A	RT	13.25		
6	TY A	RT	50.00		
7	TY A (25'R)	RT	37.25		
8	TBT-1	RT	25.00		
9	TBT-1A	LT	25.00		1
10	TY A	LT	37.50		
11	TY B	LT	25.00	25.00	
12	TBT-5A	LT	13.25		
13	TBT-5A	LT	13.25		
14	TY A	LT	50.00		
15	TY A (25'R)	LT	37.50		
16	TBT-1	LT	25.00		
17	TBT-1	RT	25.00		
18	TY A	RT	112.50		
19	Attached to Str.	RT	6.25		
20	TY A	RT	43.75		
21	TBT-1	RT	25.00		
22	TBT-1	LT	25.00		
23	TY A	LT	43.75		
24	Attached to Str.	LT	6.25		
25	TY A	LT	112.50		
26	TBT-1	LT	25.00		
27	TBT-1	RT	25.00		
28	TY A	RT	62.50		
29	TY B	RT	25.00	25.00	
30	TBT-5A	RT	13.25		
31	TBT-5A	RT	13.25		
32	TY A	RT	25.00		
33	TBT-1	RT	25.00		
34	TBT-1	LT	25.00		
35	TY A	LT	12.50		
36	TY B	LT	25.00	25.00	
37	TBT-5A	LT	13.25		
38	TBT-5A	LT	13.25		
39	TY A	LT	25.00		
40	TBT-1	LT	25.00		
TOTAL QUANTITIES			1,280.75	100.00	2.00



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SCHEDULE OF RESURFACING QUANTITIES

Unit weight Constant = 112.0 lbs./s.y./inch

LOCATION (QUANTITY)	LENGTH	AREA (SQ YD)	BIT SURF REMOVAL VAR DEPTH (SQ YD)	SHORT- TERM PAVT MARKING (FOOT)	WORK ZONE PAVT MK REM (SQ FT)	PAINT PVT MARKING LINE, 4" (FOOT)	BIT MATLS PR CT RC-70 (GALLON)	BIT MATLS PR CT MC-30 (GALLON)	AGG PR CT (TON)	CEMENT (100 WT)	BIT MATL BSE CSE (GALLON)	PROCESS STAB BSE CSE (SQ YD)	WATERPRF MEMBRANE SYSTEM (SQ YD)	BINDER CSE SUPER, IL-19.0 N50 (TON)	BIT CONC SC, SUPER "C" N50 (TON)	INCIDENTAL BIT SURF (TON)	AGG SHLDS TYPE B (TON)
<i>MAINLINE</i>																	
0+33 to 1+33	100	244	-	(3 Apps.) 30	(1 App.) 3	25	17	-	-	37	610	267	-	31	17	-	9
1+33 to 23+56	2223	5434	-	666	74	556	380	-	11	815	13585	5928	-	685	380	-	197
23+56 to 24+46 (TAPER)	90	220	-	27	3	23	15	-	-	33	550	240	-	23	15	-	
24+46 to 25+01 (SURFACE)	55	134	-	18	2	14	9	-	-	-	335	-	-	-	9	-	5
25+01 to 25+67 (053-3448)	66	161	-	21	2	17	11	-	-	-	403	-	220	-	11	-	6
25+67 to 26+07 (SURFACE)	40	98	-	12	1	10	7	-	-	-	245	-	-	-	7	-	4
26+07 to 26+97 (TAPER)	90	220	-	27	3	23	15	-	-	33	550	240	-	23	15	-	8
26+97 to 163+81	13684	33450	-	4104	456	3421	2342	-	67	5018	83625	36491	-	4215	2342	-	1212
163+81 to 164+71 (TAPER)	90	220	-	27	3	23	15	-	-	33	550	240	-	23	15	-	8
164+71 to 165+31 (SURFACE)	60	147	-	18	2	15	10	-	-	-	368	-	-	-	10	-	5
165+31 to 165+67 (053-4054)	36	88	-	12	1	9	6	-	-	-	220	-	144	-	6	-	3
165+67 to 167+17 (TAPER)	150	367	86	45	5	38	26	-	-	-	918	-	-	-	26	-	13
TOTAL JOB LENGTH OR MAINLINE QUANTITY	16684	40783	86	5007	555	4171	2855		78	5968	101959	43406	364	5000	2853		1470
<i>MISCELLANEOUS</i>																	
PRIVATE ENTRANCES (5)	-	-	-	-	-	-	-	53.0	-	-	-	-	-	-	-	30.0	-
SIDEROAD INTERSECTIONS (6)	-	-	-	-	-	-	54.0	-	-	-	-	-	-	-	-	90.0	-
M.B.T.O.'s (5)	-	-	-	-	-	-	-	5.0	-	-	-	-	-	-	12	-	-
TOTALS OF MAINLINE & MISC.	16,684	40,783	86	5,007	555	4,171	2,907	58	78	5,968	101,959	43,406	364	5,000	2,865	120	1,470

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