

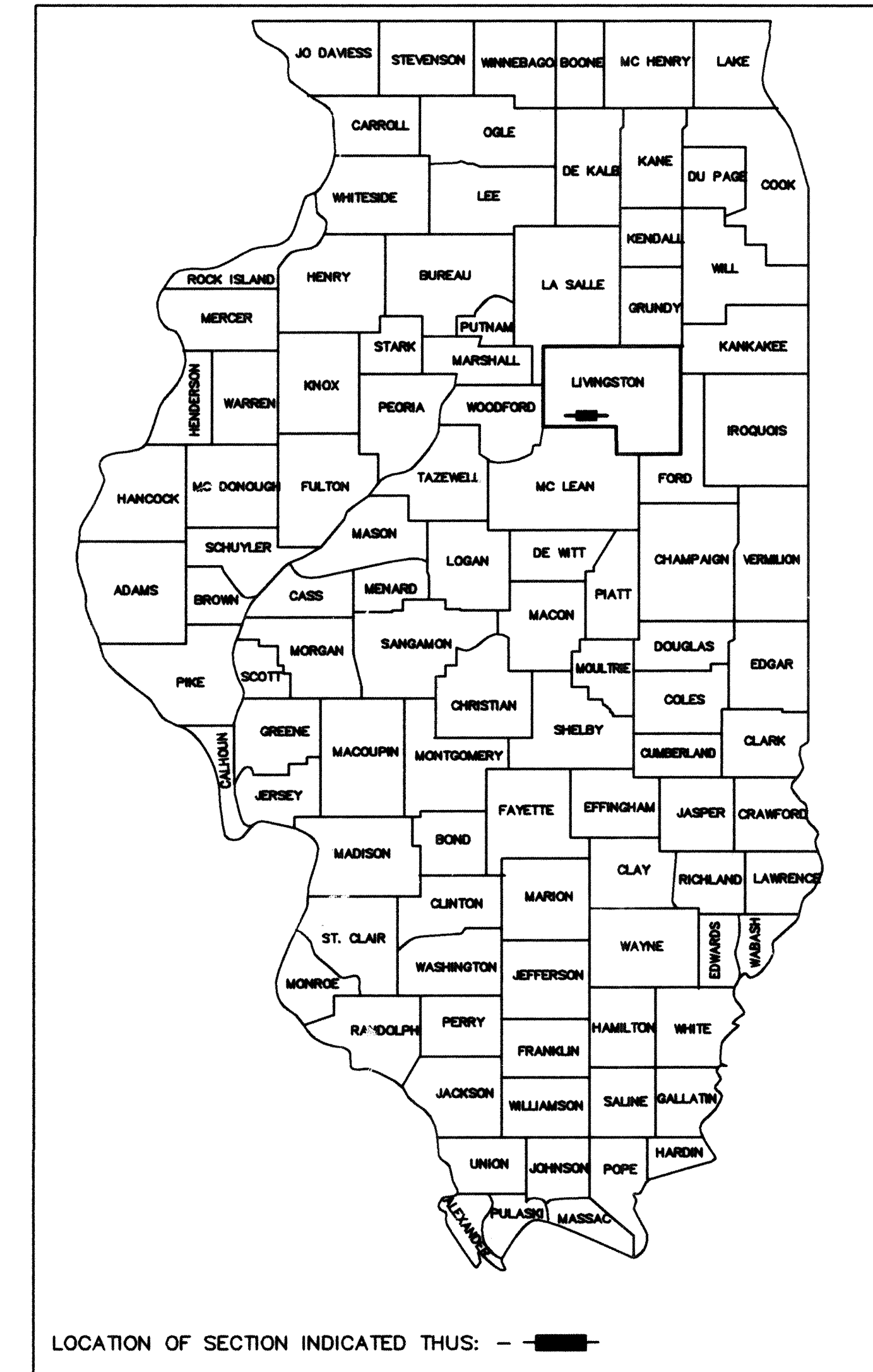
INDEX OF SHEETS

1. COVER SHEET, STANDARDS, & SUMMARY OF QUANTITIES
2. TYPICAL CROSS-SECTIONS & ENTRANCE SCHEDULE
3. TRANSITION AT BRIDGES & TAPERS & SIDE ROAD DETAILS
4. GUARD RAIL DETAILS & SCHEDULE
5. SCHEDULE OF RESURFACING QUANTITIES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1362	06-00100-02-RS	LIVINGSTON	5	1

PROJECT NO. RS-1362(115)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
SURFACE TRANSPORTATION PROGRAM**
F.A.S. ROUTE 1362, CH 8, (OCOYA ROAD)
SECTION 06-00100-02-RS
PROJECT RS-1362(115)
LIVINGSTON COUNTY
C-93-134-11



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

SUMMARY OF QUANTITIES				CONST. CODE 0005
ITEM NO.	ITEM	UNIT	QUANTITIES	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	5,265.0	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	5,265.0	
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	228.0	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	213.0	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	4,226.0	
△ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	875.0	
△ 63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	100.0	
△ 63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	16.0	
△ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	12.0	
67100100	MOBILIZATION	L SUM	1.0	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,104.0	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	854.0	
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	6,375.0	
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	16.0	
△ * LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	3.0	
△ * X6300130	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	FOOT	100.0	
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	
* Z0010900	COLD MILLING (SPECIAL)	FOOT	3,450.0	
△ * LR400740	COLD IN PLACE RECYCLING 4"	SQ YD	61,905.0	
△ * LR400005	CIR-FOR EMULSIFIED ASPHALT	GALLON	84,129.0	

* SEE SPECIAL PROVISIONS
△ SPECIALTY ITEMS

HIGHWAY STANDARDS

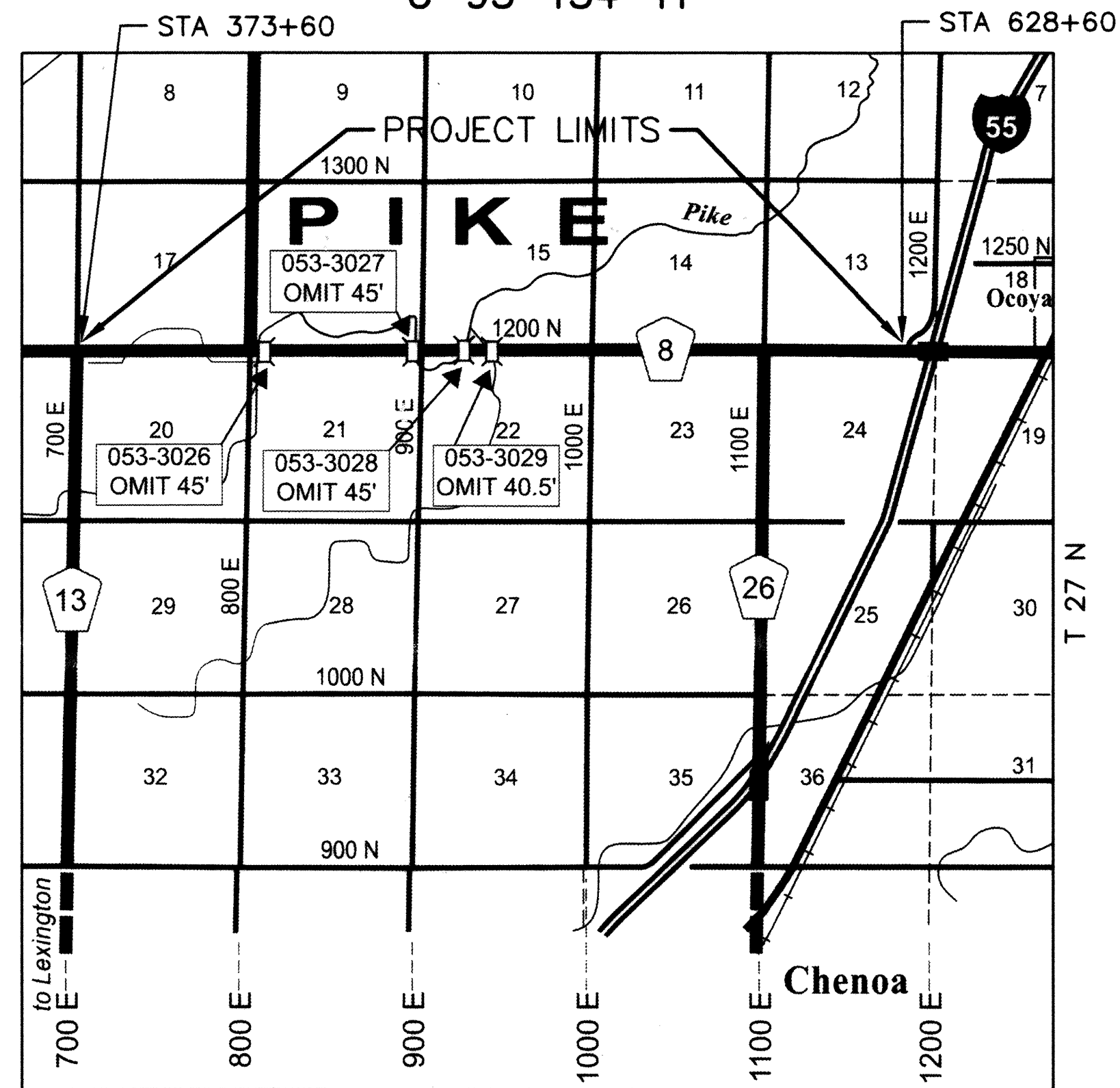
- 631046-04 TRAFFIC BARRIER TERMINAL TYPE 10
- 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 701301-04 LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS DAY ONLY ≥45MPH
- 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS DAY ONLY
- 701901-02 TRAFFIC CONTROL DEVICES
- 780001-03 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYP. APP. OF TRAF. CTRL. DEVICES - RD. CLOSED TO ALL TRAFFIC
- BLR 22-7 TYP. APP. OF TRAF. CTRL. DEVICES - RD. CLOSED TO THRU TRAFFIC
- BLR 23-4 TRAFFIC BARRIER TERMINAL TYPE 1
- BLR 26-3 STEEL PLATE BEAM GUARDRAIL 29 INCH HEIGHT

TRAFFIC DATA

OCOYA ROAD - COLLECTOR
POSTED SPEED = 55 MPH-RURAL
DESIGN SPEED = 50 MPH-RURAL
DESIGN ADT= 525/ YR 2027, 15 YEAR D.P.
CLASS III ROADS, 80,000# DESIGN

UTILITIES

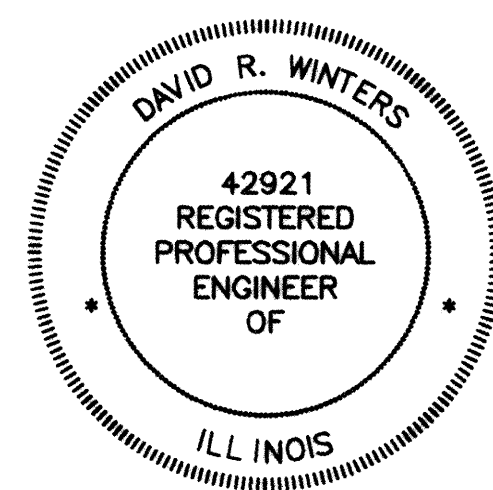
CONTACT J.U.I.E. 811 or
800-892-0123 BEFORE DIGGING



R 4 E, 3rd PM
GROSS LENGTH = 25,500' = 4.83 MILES
NET LENGTH = 25,324.5' = 4.80 MILES

0 1 2 3 4
SCALE(MILES)

THIS PROJECT CONSISTS OF BITUMINOUS BASE STABILIZATION, CIR 4" DEPTH, AN HMA BINDER COURSE, IL-19.0, N50, HMA SURFACE COURSE, MIX "C", N50 AND AGGREGATE SHOULDERS BEGINNING AT A POINT NEAR THE INTERSECTION OF COUNTY HIGHWAY 13 AND COUNTY HIGHWAY 8, NORTH OF MEADOWS, ILLINOIS AND EXTENDING IN AN EASTERLY DIRECTION ALONG COUNTY HIGHWAY 8 TO THE WEST APPROACH OF THE I-55 OVERPASS ON COUNTY HIGHWAY 8.



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

02-16-12 DATE
COUNTY ENGINEER, P.E. NO. 42921
EXPIRATION DATE 11/30/2013

APPROVED _____ 02-16 20 12
LIVINGSTON COUNTY OFFICIAL

PASSED _____ 2-23 20 12
DISTRICT THREE IMPLEMENTATION ENGINEER

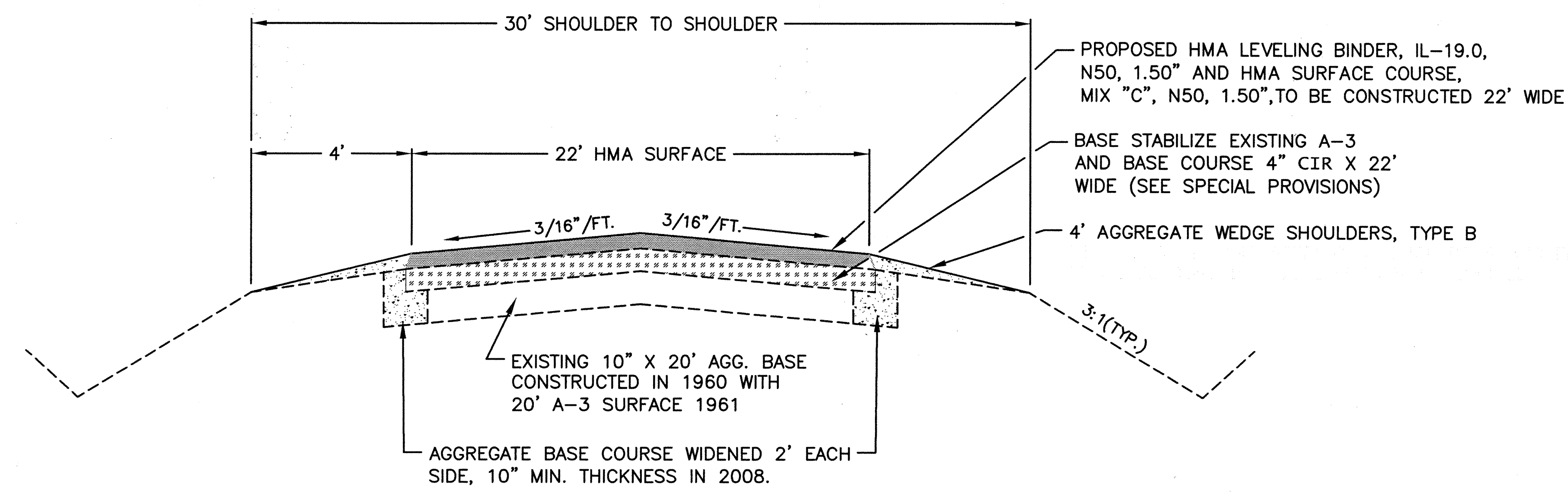
RELEASING FOR BID BASED ON LIMITED REVIEW _____ E-23 20 12
DEPUTY DIRECTOR OF HIGHWAYS, REGION TWO ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1362	06-00100-02-RS	LIVINGSTON	5	2

PROJECT NO. RS-1362(115)

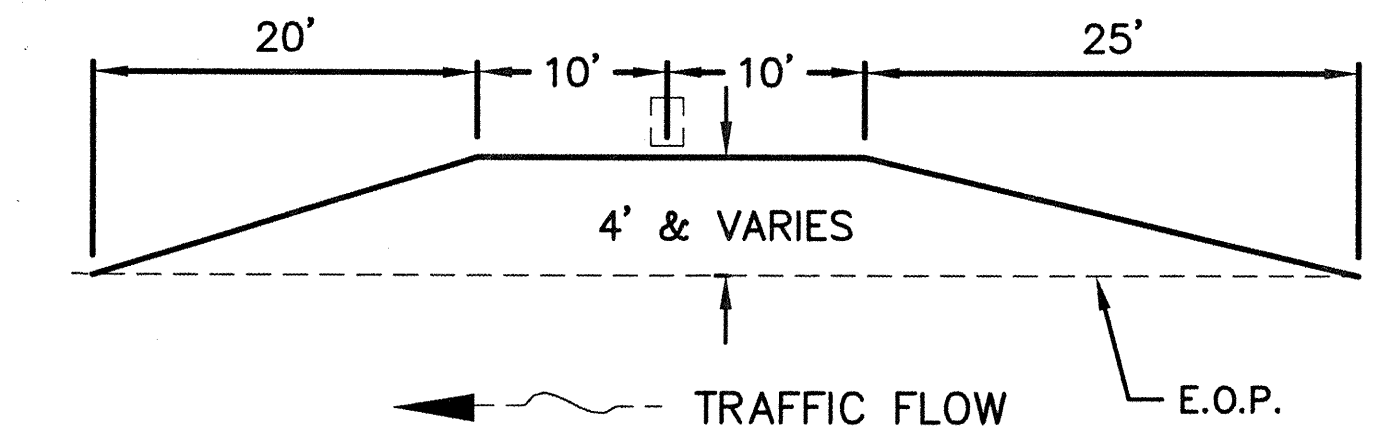
NOT PLOTTED TO SCALE



TYPICAL CROSS SECTION (NTS)

Sta. 373+60 to 628+60

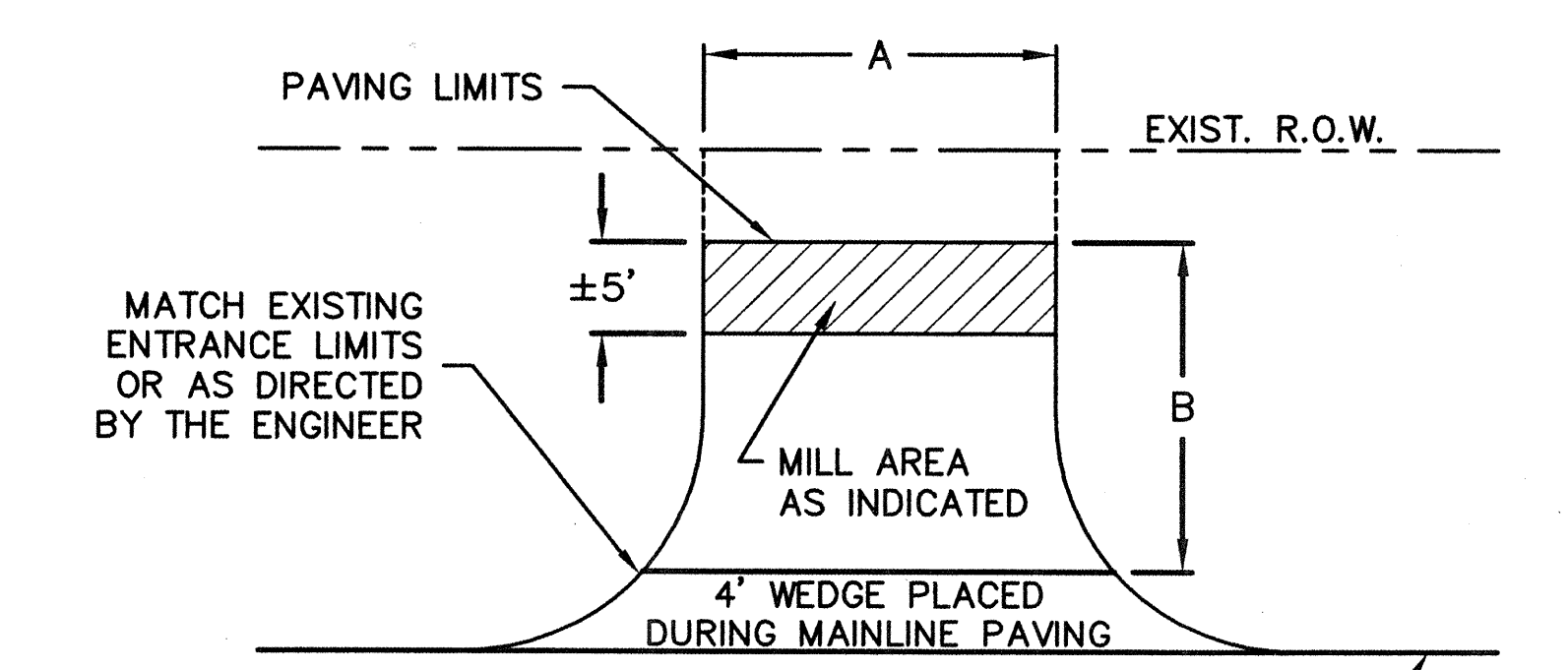
	HMA Level Binder	HMA Surface	HMA Incidental
PG Grade	PG58-22		
Design Air Voids	4.0% @ N50	4.0% @ N50	4.0% @ N50
Mixture Composition	IL 19.0	IL 9.5	IL 9.5
Friction Aggregate	N/A	Mixture C	Mixture C
Density Test Method	Correlation	Correlation	Satisfaction of Engineer



MAILBOX TURNOUT DETAIL (NTS)

PLACED DURING MAINLINE PAVING

TYPE	STATION	A(Ft.)	B(Ft.)	AREA (S.Y.)	MILLING (S.Y.)	BIT. MAT. PRIME(MC-30)	LEVEL BINDER	SURFACE COURSE	INCID. BIT.
PE	399+45(L)	15	10	17		6	1	1	3
PE	452+15(L)	15	10	17		6	1	1	3
CE(TWP)	483+09(L)	132	10	147		51	5	5	25
PE	489+29(L)	20	10	22		8	1	1	4
PE	496+79(R)	18	10	20	10	0	1	1	4
PE	525+49(R)	25	10	28		10	1	1	5
PE	575+39(L)	20	10	22		8	1	1	4
MBTO	6 Total			113		40	10	10	
TOTALS					10	129	21	21	48



P.E. / C.E. DETAIL (NTS)


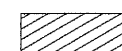

FOR QUANTITIES SEE CHART BELOW

Z:\CO\Work\ROAD Projects\00100RS2-OCOYA Rd-East\Planning\ACAD\Plans-OCOYA Rd-4.8mi.dwg, 2/16/2012 3:13:34 PM

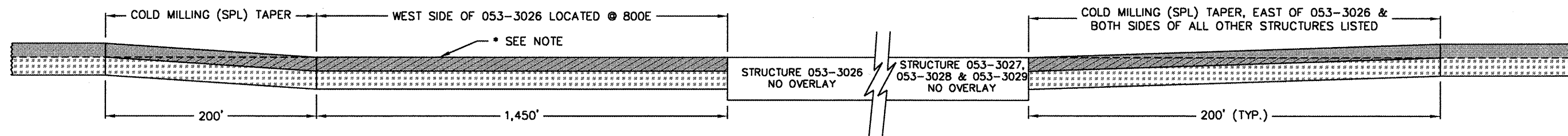
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1362	06-00100-02-RS	LIVINGSTON	5	3

PROJECT NO. RS-1362(115)

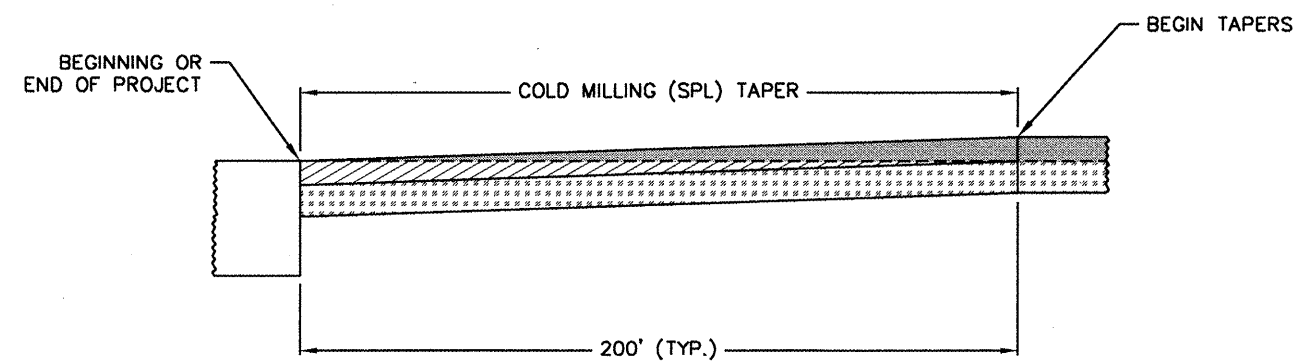
NOT PLOTTED TO SCALE

-  HMA, LEVELING BINDER & SURFACE COURSE
TOTAL DEPTH = 3.0"
-  COLD MILLING (SPL), CONSTANT & VARIABLE DEPTH
REMOVE TO DESIGNATED STOCKPILE LOCATION (SPECIAL PROVISIONS)
-  COLD IN-PLACE RECYCLING (CIR)
TOTAL DEPTH = 4.0"

* PROPOSED PROFILE GRADE LINE MUST REMAIN AT OR BELOW EXISTING PGL FOR THIS LOCATION

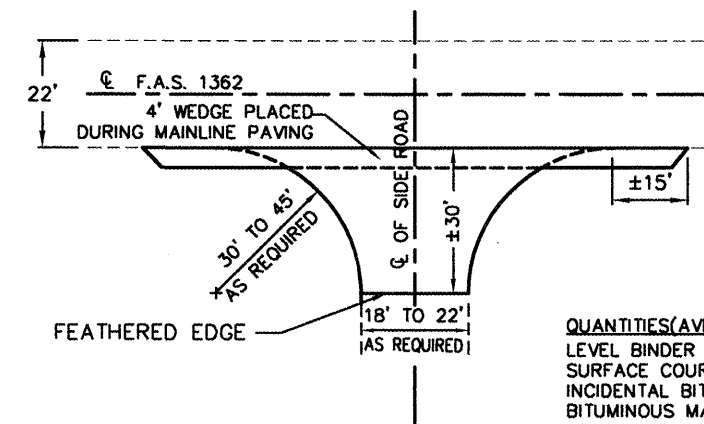


TRANSITION DETAIL AT BRIDGES (NTS)



BEGINNING & ENDING TAPER (NTS)

Sta. 373+60 TO 375+60 (FAS RTE. 1362)
Sta. 626+60 TO 628+60 (FAS RTE. 1362)



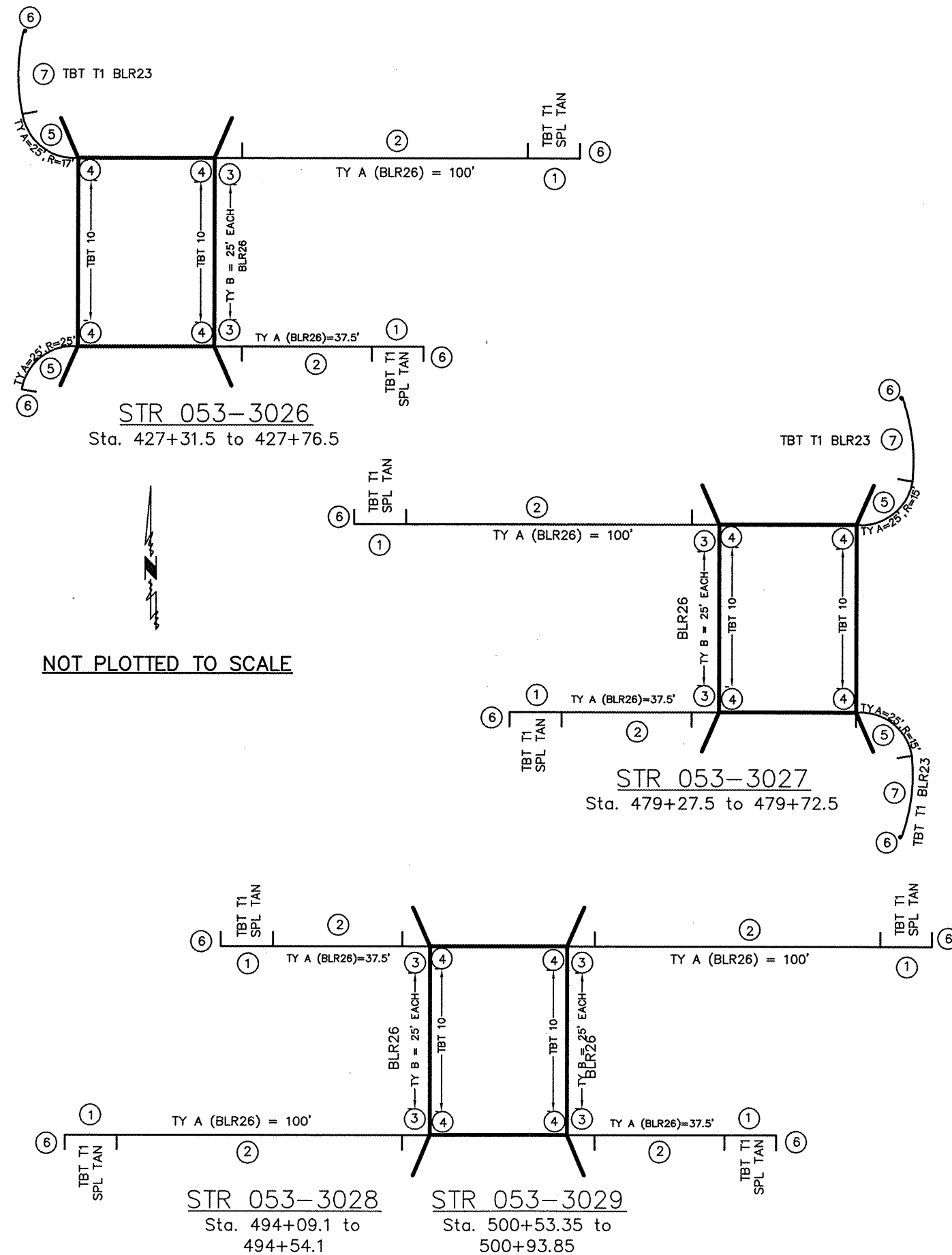
QUANTITIES(AVERAGE)
LEVEL BINDER COURSE = 4 TON
SURFACE COURSE = 4 TON
INCIDENTAL BITUMINOUS = 15.0 TON
BITUMINOUS MATERIALS = 9.0 GALLON
(PRIME COAT) RC-70

TYPICAL SIDE ROAD INTERSECTION (NTS)

STA. 374+04 LT. & RT. (700E) STA. 532+35 LT. & RT. (1000E)
STA. 427+99 LT. & RT. (800E) STA. 585+39 LT. & RT. (1100E)
STA. 479+79 LT. & RT. (900E) STA. 628+20 LT. (1180E)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1362	06-00100-02-RS	LIVINGSTON	5	4

PROJECT NO. RS-1362(115)



GUARDRAIL SCHEDULE								
LOCATION NUMBER	TRAF BARRIER TERMINAL TYPE 1 SPL TAN (EACH)	TRAF BARRIER TERMINAL TYPE 1 BLR 23 (EACH)	STEEL PLATE BEAM GUARD RAIL TYPE A BLR 26 (FOOT)	STEEL PLATE BEAM GUARD RAIL TYPE B BLR 26 (FOOT)	STEEL PLATE BEAM GUARD RAIL TYPE A (SPL) (FOOT)	TRAF BARRIER TERMINAL TYPE 10 (EACH)	TERMINAL MARKER DA (EACH)	
053-3026								
1	TBT 1 SPL TAN	2.0						
2	TY A - BLR 26		137.50					
3	TY B - BLR 26			50.00				
4	TBT 10					4.0		
5	TY A (SPL) Radius				50.0			
6	TERMINAL MARKER DA						4.0	
7	TBT TY 1 (BLR 23)	1.0						
053-3027								
1	TBT 1 SPL TAN	2.0						
2	TY A - BLR 26		137.50					
3	TY B - BLR 26			50.00				
4	TBT 10					4.0		
5	TY A (SPL) Radius				50.0			
6	TERMINAL MARKER DA						4.0	
7	TBT TY 1 (BLR 23)	2.0						
053-3028								
1	TBT 1 SPL TAN	4.0						
2	TY A - BLR 26		275.00					
3	TY B - BLR 26			100.00				
4	TBT 10					4.0		
6	TERMINAL MARKER DA						4.0	
053-3029								
1	TBT 1 SPL TAN	4.0						
2	TY A - BLR 26		325.00					
3	TY B - BLR 26			100.00				
4	TBT 10					4.0		
6	TERMINAL MARKER DA						4.0	
TOTAL QUANTITIES		12.0	3.00	875.00	300.00	100.00	16.0	16.0

Note - Guardrail Reflectors shall be provided by the County, but installed by the Contractor. The installation shall be considered incidental to guardrail pay items. The reflector shall mount within the channel section of the guardrail using the Post Bolt & Standard hex nut. See Std. 635006 for placement.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00100-02-RS	LIVINGSTON	5	5

PROJECT NO. RS-1362(115)

SCHEDULE OF RESURFACING QUANTITIES

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

LOCATION (QUANTITY)	LENGTH	AREA (SQ YD)	COLD MILLING (SPL) (FOOT)	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)	BIT MATL CIR ENG EMULSION (GALLON)	COLD IN-PLACE RECYCLING 4" DEPTH (SQ YD)	LEVEL BINDER IL-19.0 N50 (TON)	BIT CONC SURF CSE "C" N50 (TON)	INCIDENTAL BIT SURF (TON)	AGG WEDGE SHOULDERS TYPE B (TON)
<i>MAINLINE</i>														
373+60. to 375+60. (TAPER)	200	489	200	(2 Apps.) 40	(1 App.) 7	50	-	-	664	489	41	41	-	35
375+60. to 410+81.5	3522	8608	-	704	117	880	-	-	11699	8608	723	723	-	624
410+81.5 to 412+81.5 (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
412+81.5 to 427+31.5 (MILL)	1450	3544	1450	290	48	363	-	-	4817	3544	298	298	-	-
427+31.5 to 427+76.5 (053-3026)	45	110	-	10	2	11	-	-	-	-	-	-	-	-
427+76.5 to 429+76.5 (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
429+76.5 to 477+27.5	4751	11614	-	950	158	1188	-	-	15784	11614	976	976	-	842
477+27.5 to 479+27.5 (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
479+27.5 to 479+72.5 (053-3027)	45	110	-	10	2	11	-	-	-	-	-	-	-	-
479+72.5 to 481+72.5 (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
481+72.5 to 492+09.1	1037	2534	-	208	35	259	-	-	3444	2534	213	213	-	184
492+09.1 to 494+09.1 (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
494+09.1 to 494+54.1 (053-3028)	45	110	-	10	2	11	-	-	-	-	-	-	-	-
494+54.1 to 496+54.1 (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
496+54.1 to 498+53.35	199	487	-	40	7	50	-	-	662	487	41	41	-	35
498+53.35 to 500+53.35 (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
500+53.35 to 500+93.85 (053-3029)	40.5	99	-	8	1	10	-	-	-	-	-	-	-	-
500+93.85 to 502+93.85 (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
502+93.85 to 626+60.	12366	30228	-	2474	412	3092	-	-	41083	30228	2539	2539	-	2191
626+60. to 628+60. (TAPER)	200	489	200	40	7	50	-	-	664	489	41	41	-	35
TOTAL JOB LENGTH OR MAINLINE QUANTITY	25500	62333	3450	5104	854	6375	-	-	84129	61905	5200	5200	-	4226
<i>MISCELLANEOUS</i>														
PRIVATE ENTRANCES (6)	-	-	-	-	-	-	-	89.0	-	-	11	11	48.0	-
SIDEROAD INTERSECTIONS (11)	-	-	-	-	-	-	99.0	-	-	-	44	44	165.0	-
M.B.T.O.'s (6)	-	-	-	-	-	-	-	40.0	-	-	10	10	-	-
TOTALS OF MAINLINE & MISC.	25,500	62,333	3,450	5,104	854	6,375	99	129	84,129	61,905	5,265	5,265	213	4,226

I:\chd2010\ch20\work\ROAD Projects\00100RSZ-CowayRd-East\Planning\EstCost-Resurf\Sched-1-CowayRd.xls\SchedResurfQty