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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	03-00208-02-RS	LIVINGSTON	5	1

PROJECT NO. RS-0342(107)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
LIVINGSTON COUNTY  
PLANS FOR  
PROPOSED LOCAL AGENCY IMPROVEMENT  
SURFACE TRANSPORTATION PROGRAM  
F.A.S. ROUTE 342, CH 03, SECTION 03-00208-02-RS  
CHATSWORTH-MELVIN ROAD  
PROJECT NO. RS-0342(107)  
JOB NO. C-93-014-09

SUMMARY OF QUANTITIES		CONST. CODE I000	
ITEM NO.	ITEM	UNIT	QUANTITIES
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4,413.0
40600300	AGGREGATE (PRIME COAT)	TON	237.0
* 40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	11,903.0
* 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	10,395.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	186.0
* 40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	382.0
* 44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2,074.0
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	117,449.0
* 48101200	AGGREGATE SHOULDERS, TYPE B	TON	7,435.0
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2.0
67100100	MOBILIZATION	L SUM	1.0
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6,536.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,090.0
△ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	35,460.0
* Z0055300	RUMBLE STRIP	EACH	4.0

△ SPECIALTY ITEMS

\* SEE SPECIAL PROVISIONS

**UTILITIES**

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

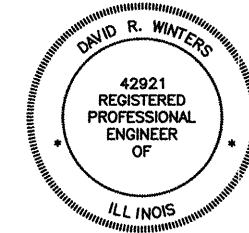
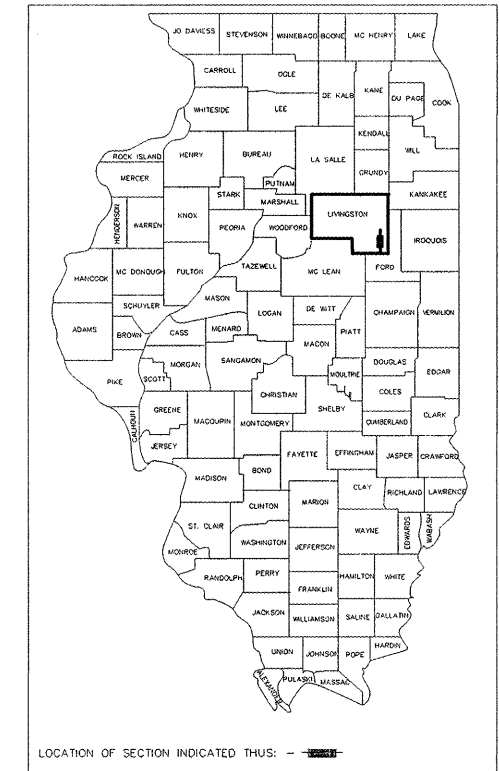
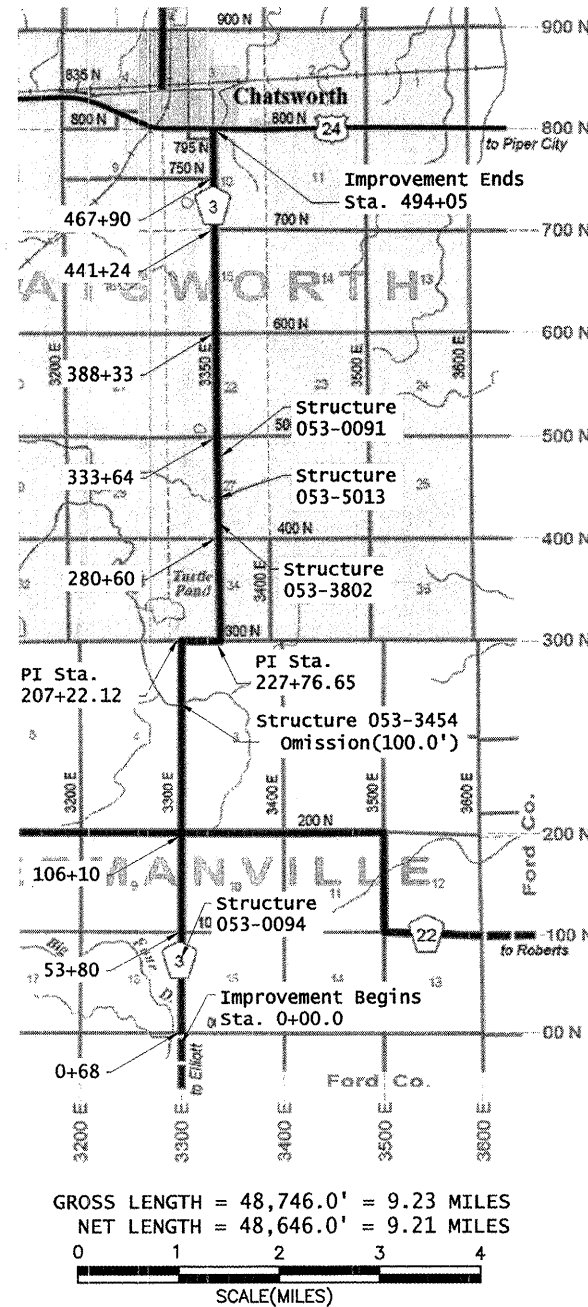
**STATE STANDARDS DETAILS**

701306-02 701901-01  
701311-03 BLR 24-2

△ STATION EQUATIONS	
53+55 BK.	53+73AH.
106+65 BK.	106+69.5 AH.
210+35.58 BK.	212+74.70 AH.
230+86.64 BK.	233+26.8 AH.
280+81.5 BK.	280+60 AH.
334+35 BK.	336+15 AH.

CHATSWORTH-MELVIN ROAD - COLLECTOR  
POSTED SPEED = 55 MPH-RURAL  
DESIGN SPEED = 50 MPH-RURAL  
DESIGN ADT= 750/ YR 2017  
CLASS IV ROADS, 73,280# DESIGN  
15 YEAR D.P.

CONTRACT NO. 87375



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

02/05/09 *David R. Winters*  
DATE COUNTY ENGINEER, P.E. NO. 42921  
EXPIRATION DATE 11/30/2009

"THE ACCEPTANCE OF THIS PROJECT IS BASED ON THE MINIMUM DESIGN CRITERIA UNDER THE LAPP POLICY."

APPROVED 02/05/2009  
*David R. Winters*  
LIVINGSTON COUNTY OFFICIAL

PASSED 2/10/2009  
*Harold R. Fry*  
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

APPROVED 2/10/2009  
*George F. Ryan*  
DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

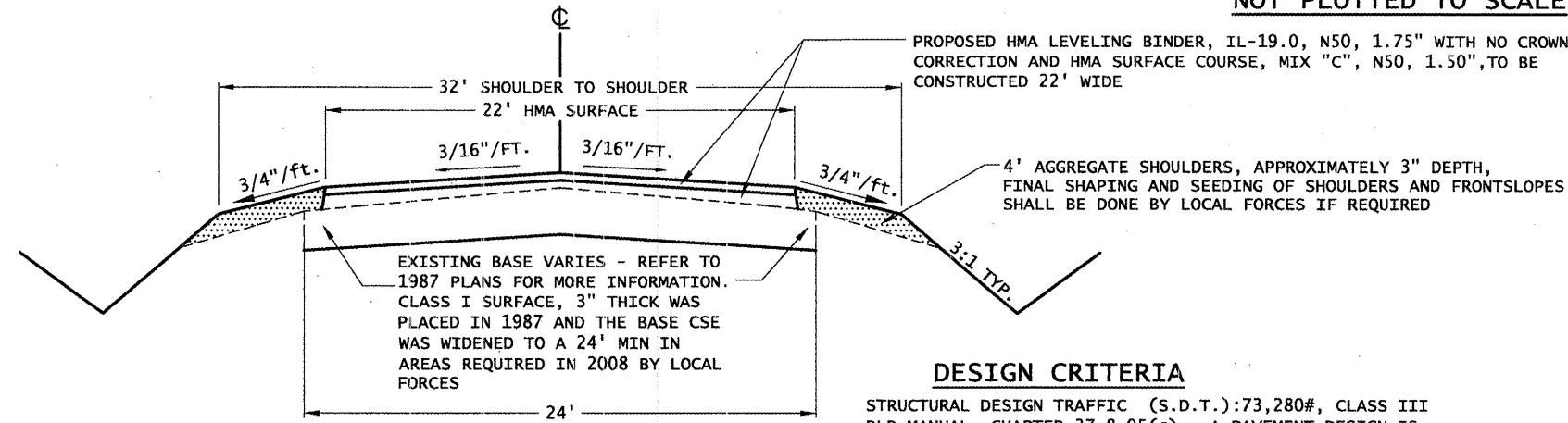
THIS PROJECT CONSISTS OF HMA BINDER COURSE, IL-19.0, N50, HMA SURFACE COURSE, MIX "C", N50, AND AGGREGATE SHOULDERS BEGINNING AT A POINT NEAR THE INTERSECTION OF COUNTY HIGHWAY 3 AND 00N (FORD CO. LINE.), SOUTH OF CHATSWORTH, ILLINOIS AND EXTENDING IN A NORTHERLY DIRECTION TO THE INTERSECTION OF US ROUTE 24 (800N).

Z:\COWork\ROAD Projects\00208RS2-ChatSkd-South\Planning\Plans\Plans.dwg, 2/5/2009 9:58:03 AM

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	03-00208-02-RS	LIVINGSTON	5	2

PROJECT NO. RS-0342(107)

NOT PLOTTED TO SCALE



TYPICAL CROSS SECTION (NTS)

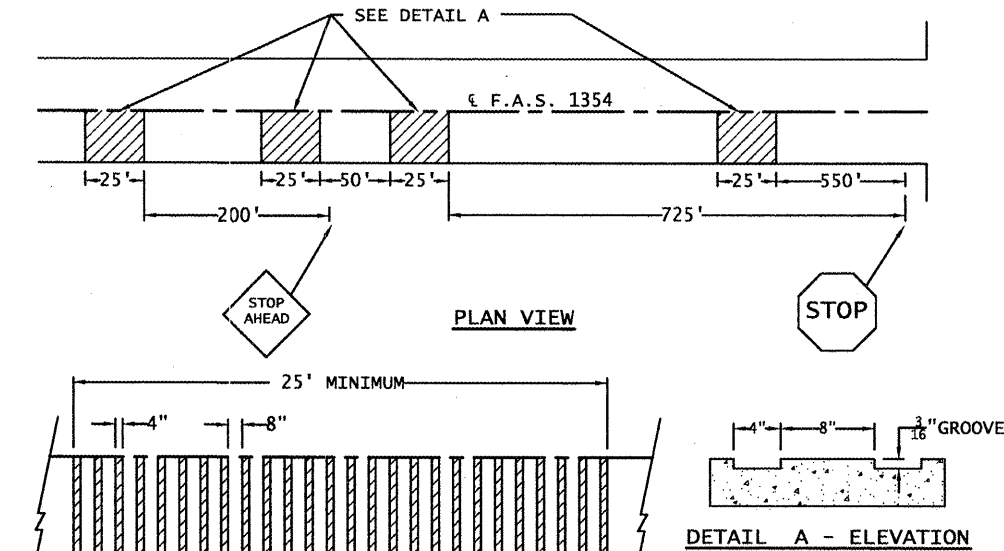
Sta. 2+00 to 492+40 (FAS RTE 342)  
(See Sht. 3 for Transition & Taper Details)

DESIGN CRITERIA

STRUCTURAL DESIGN TRAFFIC (S.D.T.): 73,280#, CLASS III  
BLR MANUAL, CHAPTER 37-8.05(c) - A PAVEMENT DESIGN IS  
NOT REQUIRED IF STRUCTURAL LEVEL IS NOT BEING UPGRADED

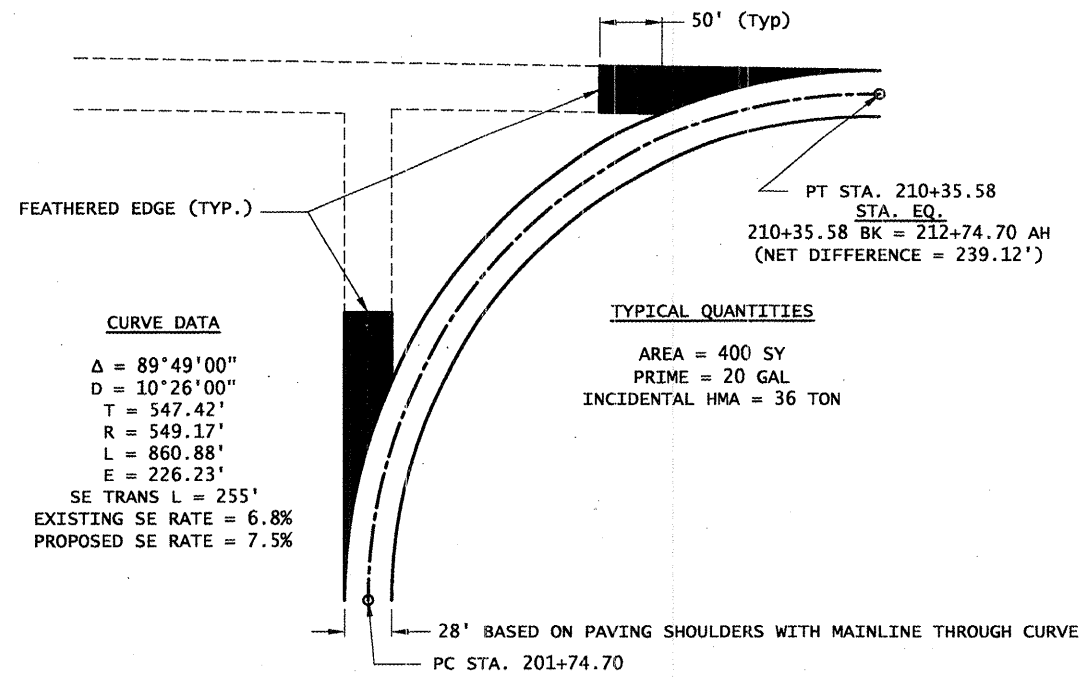
	HMA Level Binder	HMA Surface	HMA Incidental
PG Grade	PG58-22		
* Max % RAP Allowable	25%	15%	15%
Design Air Voids	4.0% @ N50	4.0% @ N50	4.0% @ N50
Mixture Composition	IL 19.0	IL 12.5 or IL 9.5	IL 12.5 or IL 9.5
Friction Aggregate	N/A	Mixture C	Mixture C
Density Test Method	Correlation	Correlation	Satisfaction of Engineer

\* If rap option is selected, the asphalt cement grade may need to be adjusted. This will be determined by the engineer.

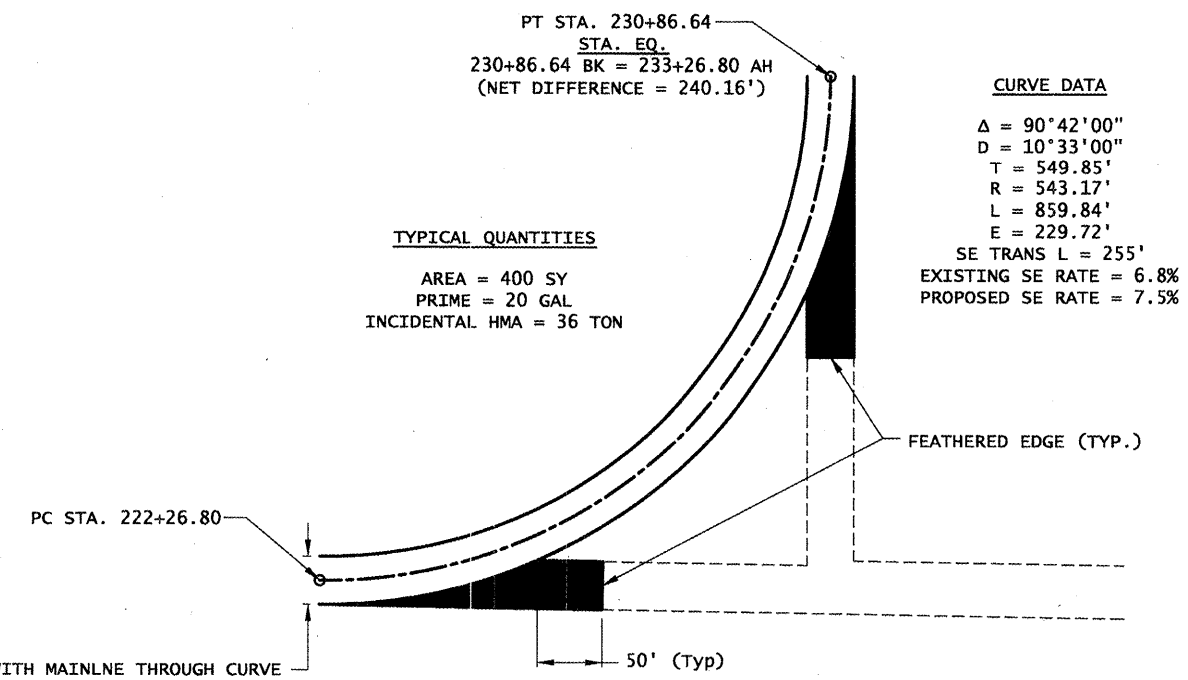


DETAIL A - PLAN VIEW

GROOVED RUMBLE STRIP APPLICATION (NTS)  
IN ADVANCE OF 800N INTERSECTION



CURVE NO. 1 TANGENT DETAILS (NTS)

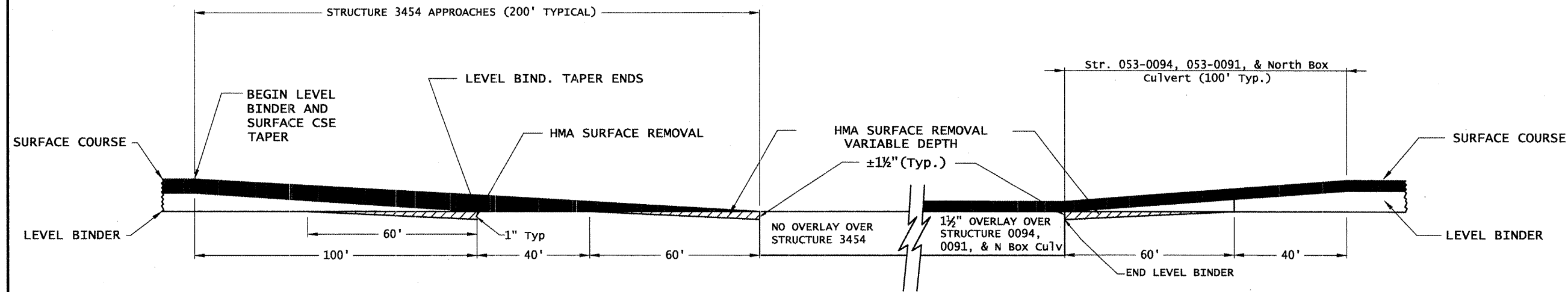


CURVE NO. 2 TANGENT DETAILS (NTS)

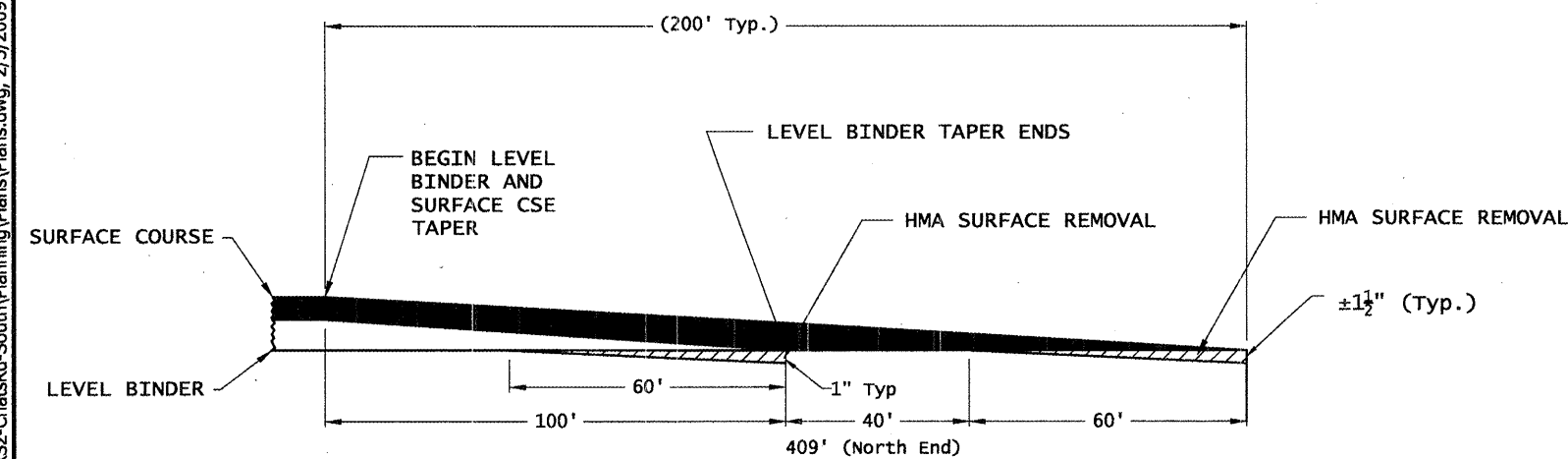
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	03-00208-02-RS	LIVINGSTON	5	3

PROJECT NO. RS-0342(107)

NOT PLOTTED TO SCALE

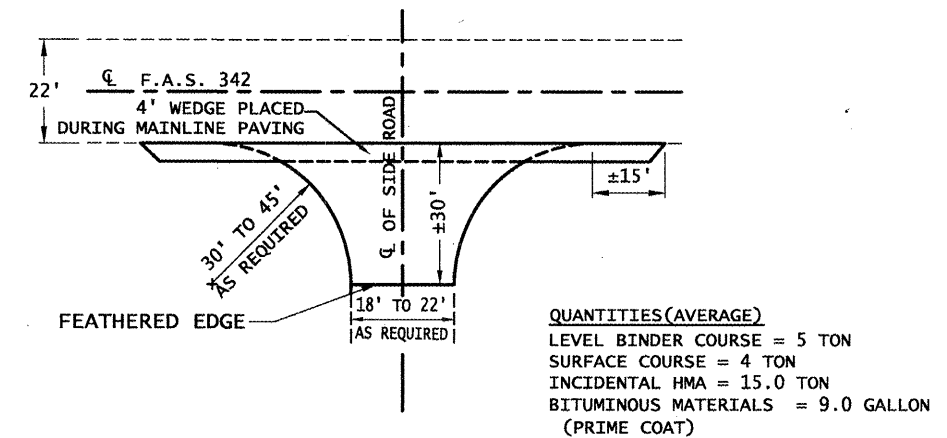


TRANSITION DETAIL AT BRIDGES AND RAILROAD CROSSING (NTS)



BEGINNING & ENDING TAPER (NTS)

Sta. 0+00 TO 2+00 (FAS RTE. 342)  
Sta. 487+31 TO 493+00 (FAS RTE. 342)

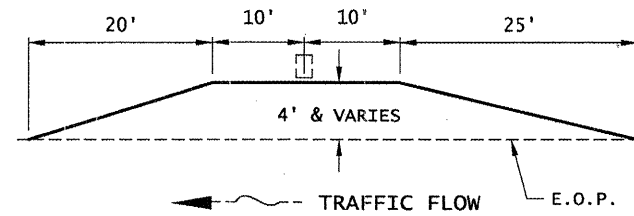


TYPICAL SIDE ROAD INTERSECTION (NTS)

STA. 53+80 LT. + RT. (100N)	STA. 106+10 LT. + RT. (200N)
STA. 280+60 LT. + RT. (400N)	STA. 333+64 LT. + RT. (500N)
STA. 388+33 LT. + RT. (600N)	STA. 441+24 RT. (700N)
STA. 467+90 LT. (750N)	*STA. 492+15 LT. (795N)

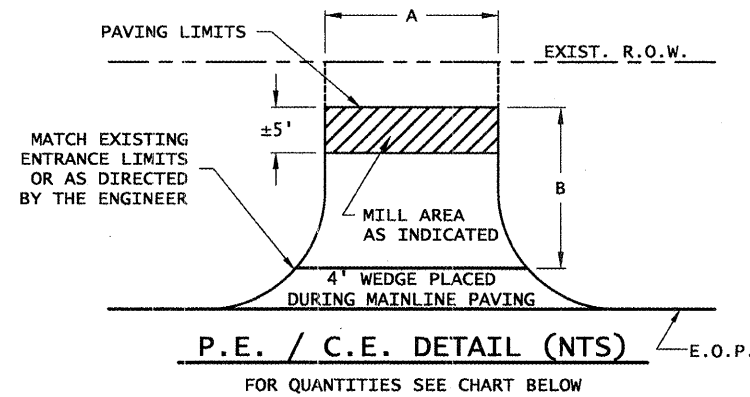
\*QUANTITIES  
AREA = 330 SQ YD  
SURFACE COURSE = 5 TON  
INCIDENTAL HMA = 30 TON  
HMA SURF REM VAR DEPTH = 30 SQ YD  
BITUMINOUS MATERIALS = 20 GALLON (PRIME COAT)

QUANTITIES(AVERAGE)  
LEVEL BINDER COURSE = 5 TON  
SURFACE COURSE = 4 TON  
INCIDENTAL HMA = 15.0 TON  
BITUMINOUS MATERIALS = 9.0 GALLON (PRIME COAT)



NOT PLOTTED TO SCALE

MAILBOX TURNOUT DETAIL (PLACED DURING MAINLINE PAVING) (NTS)



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

FOR QUANTITIES SEE CHART BELOW

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	03-00208-02-RS	LIVINGSTON	5	4

PROJECT NO. RS-0342(107)

SCHEDULE OF PAINT PAVEMENT MARK 4"				
LOCATION		NO PASSING ZONE		SKIP DASH
STATION TO STATION		NBL	SBL	¢
<i>BEGIN CH 3</i>				
0+00	to 192+92			4,818
192+92	to 203+67	1,075		269
203+67	to 241+23	3,277	3,277	
241+23	to 252+46		1,123	281
252+46	to 275+12			567
275+12	to 286+41	1,151		288
286+41	to 291+29	488	488	
291+29	to 299+37		808	202
299+37	to 301+91	254	254	
301+91	to 309+78	787		197
309+78	to 318+23	845	845	
318+23	to 328+31		1,008	252
328+31	to 331+35			76
331+35	to 343+56	1,041		260
343+56	to 344+99	143	143	
344+99	to 354+82		983	246
354+82	to 364+24			236
364+24	to 371+81	757		189
371+81	to 374+81			75
374+81	to 385+80		1,099	275
385+80	to 398+19			310
398+19	to 407+51	932		233
407+51	to 410+52			75
410+52	to 418+24		772	193
418+24	to 425+79			189
425+79	to 433+95	816		204
433+95	to 437+37			86
437+37	to 445+08		771	193
445+08	to 462+24			429
462+24	to 469+04	680		170
469+04	to 472+83			95
472+83	to 480+13		730	183
480+13	to 493+00			322
<i>END CH 3</i>				
TOTALS		12,246	12,301	10,913
TOTAL PAY QUANTITY		35,460 FOOT		

CHATSWORTH RD./CH 3 - ENTRANCE QUANTITIES											
TYPE	STATION	A(Ft.)	B(Ft.)	AREA (S.Y.)	MILLING (S.Y.)	BIT. MAT. PRIME(MC-30)	BIT. MAT. PRIME(RC-70)	LEVEL BINDER	SURFACE COURSE	INCID. BIT.	
PE	13+81(R)	22	15	37		13		1	1	7	
PE	31+52(L)	12	15	20		7		1	1	4	
PE	64+54(L)	20	15	33		12		1	1	6	
PE	117+95(R)	14	15	23		8		1	1	4	
PE	161+23(R)	18	15	30		11		1	1	6	
PE	223+45(R)	15	15	25		9		1	1	5	
PE	244+83(L)	14	15	23		8		1	1	4	
PE	275+11(L)	11	15	18		6		1	1	4	
PE	294+42(L)	16	15	27		9		1	1	5	
PE	320+43(R)	16	15	27		9		1	1	5	
PE	372+58(L)	11	15	18		6		1	1	4	
PE	405+10(R)	14	15	23		8		1	1	4	
PE	410+07(L)	14	15	23		8		1	1	4	
PE	434+61(R)	19	15	32		11		1	1	6	
PE	435+25(L)	12	15	20		7		1	1	4	
CE	483+38(R)	23	15	38	13		2	2	1	7	
CE	488+88(R)	74	15	123	41		6	4	1	21	
TOTALS						54	132	8	21	17	100

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	03-00208-02-RS	LIVINGSTON	5	5
PROJECT NO. RS-342(107)				

**SCHEDULE OF RESURFACING QUANTITIES**

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

LOCATION (QUANTITY)	LENGTH	WIDTH	AREA (SQ YD)	HMA SURF REMOVAL VAR DEPTH (SQ YD)	SHORT- TERM PAVT MARKING (FOOT)	WORK ZONE PAVT MK REM (SQ FT)	BIT MATLS PR CT RC-70 (GALLON)	BIT MATLS PR CT MC-30 (GALLON)	AGG PR CT (TON)	AREA REFL CR CONT (SQ YD)	LEVEL BINDER, IL-19.0 N50 (TON)	HMA SC, SUPER "C" N50 (TON)	INCIDENTAL HMA (TON)	PAINT PVT MARKING LINE, 4" (FOOT)	AGG SHLDS TYPE B (TON)
<b>MAINLINE</b>															
0+00 to 2+00 (TAPER)	200	22	489	293	(2 Apps.) 40	(1 App.) 7	24	-	-	245	(crown corr. = 0.0) 24	41	-		16
2+00 to 35+61	3,361	22	8,216	-	672	112	411	-	16	8,216	805	690	-		553
35+61 to 36+61 (TAPER)	100	22	244	146	20	3	12	-	-	244	24	20	-		16
36+61 to 36+75 (053-0094)	14	22	34	-	-	-	-	-	-	-	-	3	-		2
36+75 to 37+75 (TAPER)	100	22	244	146	20	3	12	-	-	244	24	20	-		16
* 37+75 to 170+83	13,285.50	22	32,476	-	2,658	443	1,624	-	65	32,476	3,183	2,728	-		2,186
170+83 to 172+83 (TAPER)	200	Varies	489	347	40	7	61	-	-	245	30	47	-		8
172+83 to 173+83 (053-3454)	100	-	-	-	-	-	-	-	-	-	-	-	-		-
173+83 to 175+83 (TAPER)	200	Varies	489	373	40	7	63	-	-	245	35	50	-		8
175+83 to 200+75	2,492	22	6,092	-	498	83	305	-	12	6,092	597	512	-		410
* 200+75 to 234+27 (Extra Width)	2,872.72	28	8,937	-	574	96	447	-	18	7,022	876	751	-		118
* 234+27 to 287+33	5,327.50	22	13,023	-	1,066	178	651	-	26	13,023	1,276	1,094	-		876
287+33 to 290+87 (Extra Width)	354	30	1,180	-	70	12	59	-	2	865	116	99	-		-
290+87 to 299+35	848	22	2,827	-	170	28	141	-	6	2,827	277	237	-		140
299+35 to 302+91 (Extra Width)	356	30	1,187	-	72	12	59	-	2	870	116	100	-		-
302+91 to 324+96	2,205	22	5,390	-	442	74	270	-	11	5,390	528	453	-		363
324+96 to 325+96 (TAPER)	100	22	244	146	20	3	12	-	-	244	24	20	-		16
325+96 to 326+14 (053-0091)	18	22	44	-	-	-	-	-	-	-	-	4	-		3
326+14 to 327+14 (TAPER)	100	22	244	146	20	3	12	-	-	244	24	20	-		16
* 327+14 to 487+31	15,837	22	38,713	-	-	-	-	-	77	38,713	3,794	3,252	-		2,605
487+31 to 488+31 (TAPER)	100	22	244	146	20	3	12	-	-	244	24	20	-		16
488+31 to 492+40	409	22	1,000	-	82	14	50	-	2	-	-	123	-		67
492+40 to 493+00 (TAPER)	60	37	247	247	12	2	12	-	-	-	-	21	-		-
TOTAL JOB LENGTH OR MAINLINE QUANTITY	48,640	-	122,053	1,990	6,536	1,090	4,237	0	237	117,449	11,777	10,305	0	0	7,435
<b>MISCELLANEOUS</b>															
P.E.'s, C.E.'s, and M.B.T.O.'s	-	-	-	54.0	-	-	8	186	-	-	66	37	100	-	-
SIDEROAD INTERSECTIONS (12)	-	-	-	30.0	-	-	128.0	-	-	-	60	53	210.0	-	-
CURVE TANGENTS	-	-	-	-	-	-	40	-	-	-	-	-	72.0	-	-
<b>TOTALS OF MAINLINE &amp; MISC.</b>	<b>48,640</b>	<b>-</b>	<b>122,053</b>	<b>2,074</b>	<b>6,536</b>	<b>1,090</b>	<b>4,413</b>	<b>186</b>	<b>237</b>	<b>117,449</b>	<b>11,903</b>	<b>10,395</b>	<b>382</b>	<b>35,460</b>	<b>7,435</b>

SEE SHEET 2 FOR SCHEDULE

\* Station equation lengths in this area have been accounted for in Length and Area calculations.