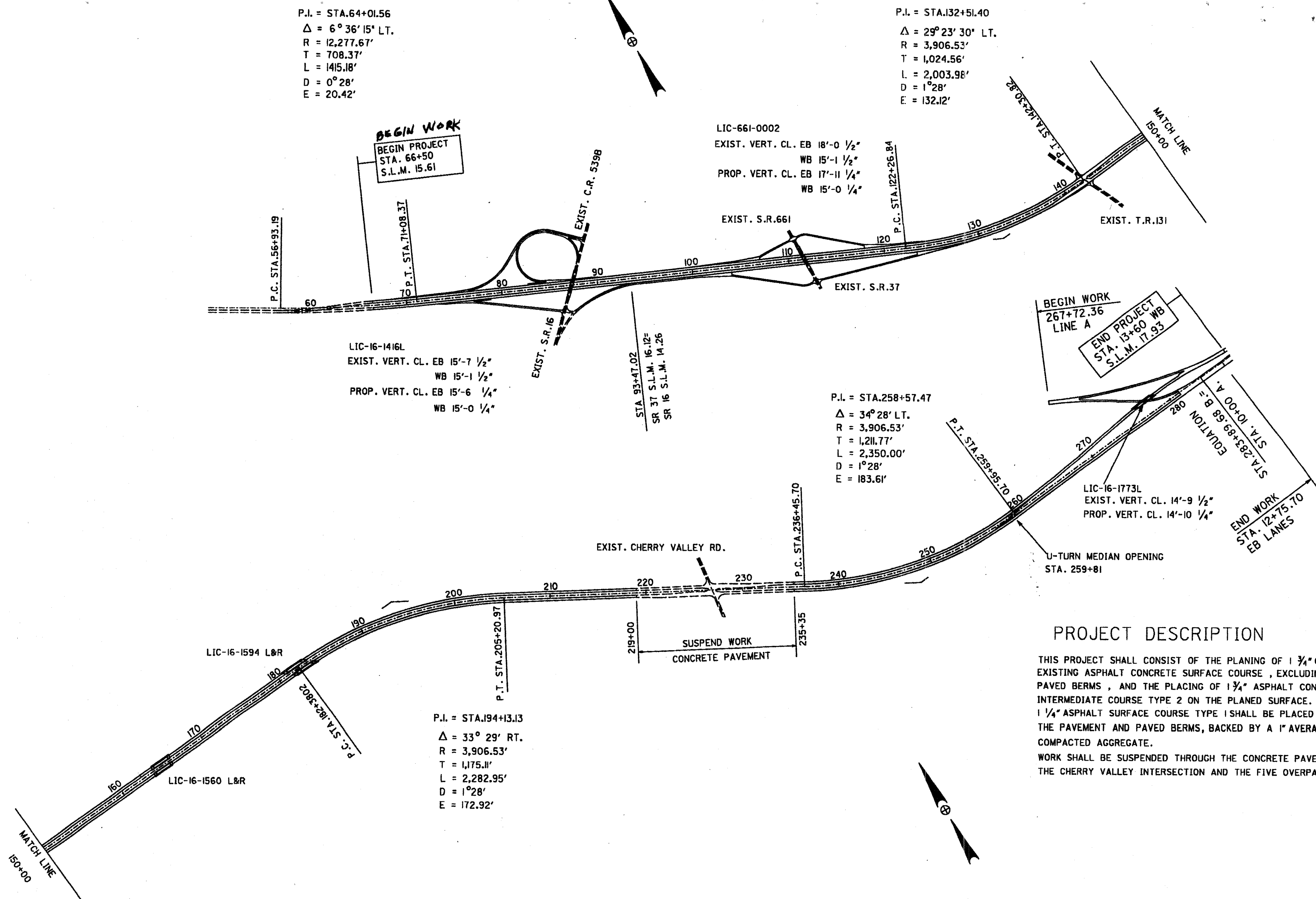


1 $\frac{1}{23}$



PROJECT DESCRIPTION

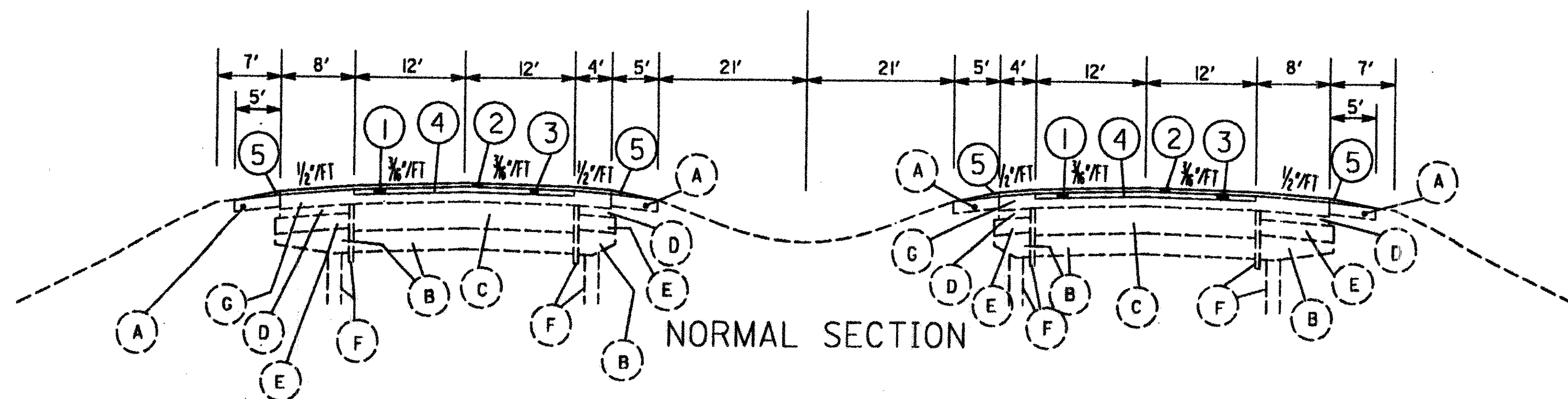
THIS PROJECT SHALL CONSIST OF THE PLANING OF 1 3/4" OF THE EXISTING ASPHALT CONCRETE SURFACE COURSE, EXCLUDING THE PAVED BERMS, AND THE PLACING OF 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 ON THE PLANED SURFACE. 1 1/4" ASPHALT SURFACE COURSE TYPE 1 SHALL BE PLACED OVER THE PAVEMENT AND PAVED BERMS, BACKED BY A 1" AVERAGE OF COMPACTED AGGREGATE.

WORK SHALL BE SUSPENDED THROUGH THE CONCRETE PAVEMENT AT THE CHERRY VALLEY INTERSECTION AND THE FIVE OVERPASS BRIDGES.

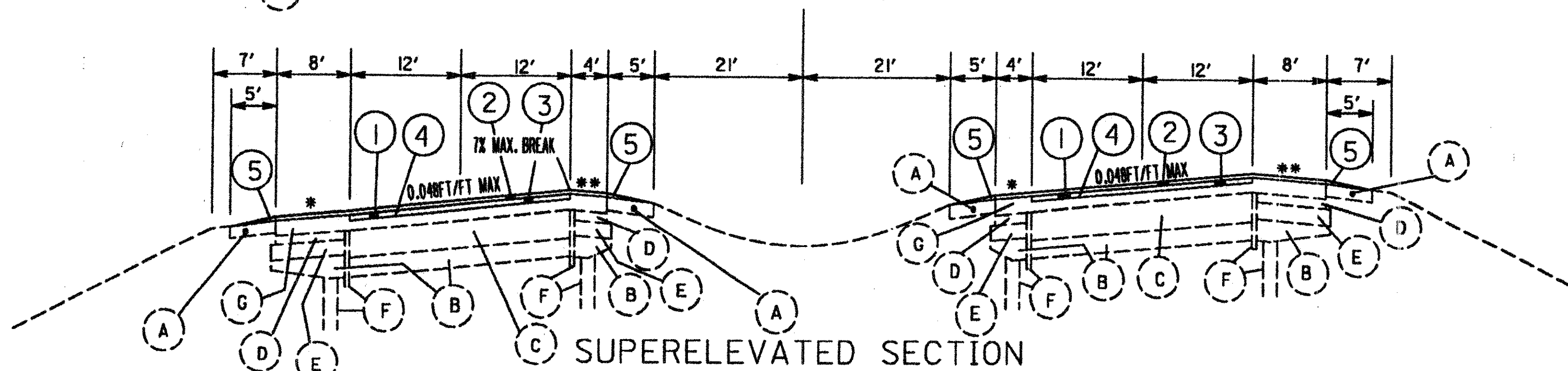
TYPICAL SECTIONS TYPE 446

- (A) EXIST. 4" COMPACTED AGGR.
- (B) EXIST. SUBBASE
- (C) EXIST. 9" REINFORCED CONC. PAVT.
- (D) EXIST. 3" ASPH. CONC.
- (E) EXIST. 5" STABILIZED CRUSHED AGGR.
- (F) EXIST. UNDERDRAIN
- (G) EXIST. 5" ASPH. CONC.

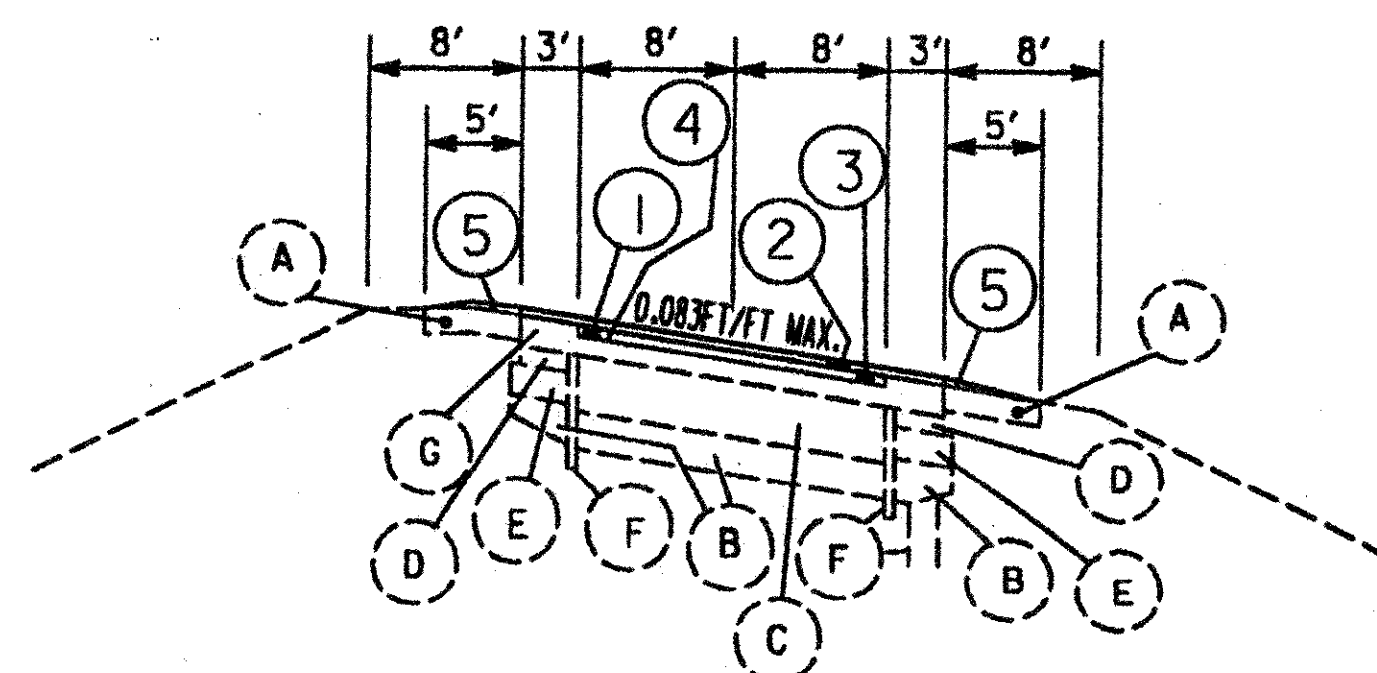
- * $\frac{1}{2}$ "/FT OR PAVT. SLOPE IF GREATER
- ** VARIES $\frac{1}{2}$ "/FT TO $\frac{1}{8}$ "/FT
- * FEATHER PLANING $\frac{1}{4}$ " DEEPER IN THIS AREA TO RETAIN THE CURB HEIGHT.



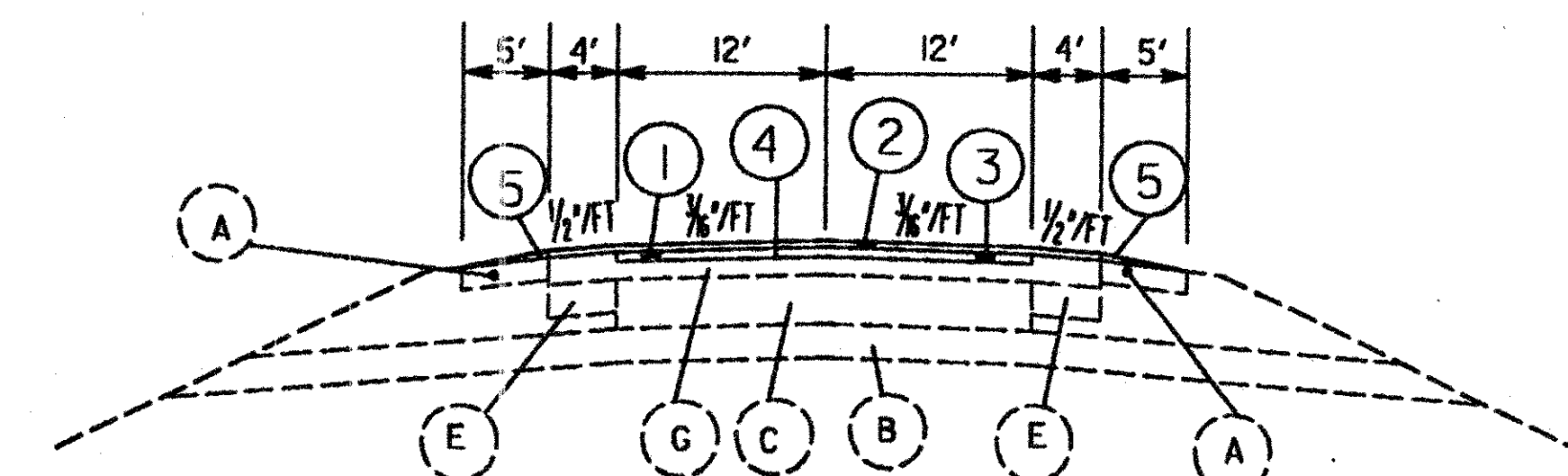
SURVEY C.L. 66+50-120+75
 SURVEY C.L. 143+83.33 - 180+85.71
 SURVEY C.L. 206+71.43 - 234+95.83
 LINE E 259+96.70 - 283+89.68(B)
 10+00(A) - 12+75.70 RT. LANE



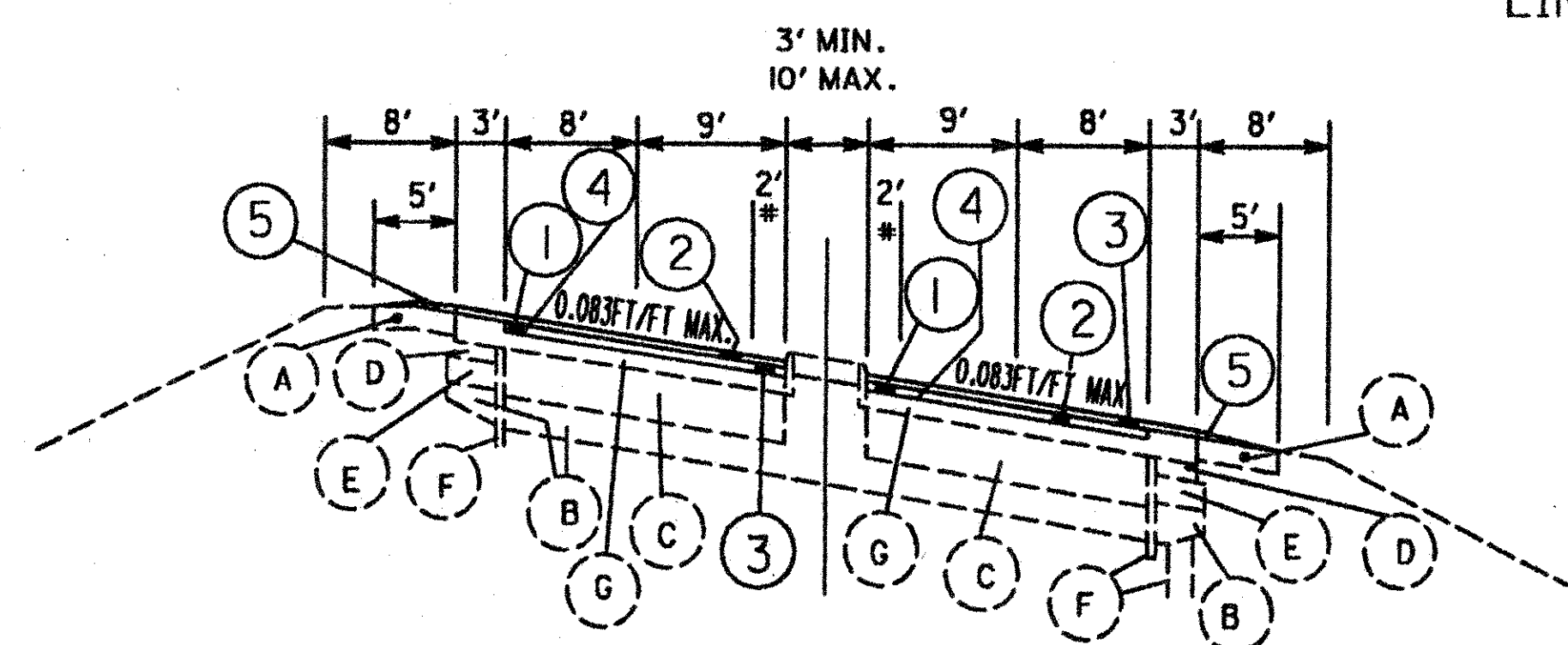
SURVEY C.L. 120+75 - 143+83.33
 SURVEY C.L. 180+85.71 - 206+71.43
 SURVEY C.L. 234+95.83 - 259+95.70
 LINE W 259+95.70 - 283+89.68(B)
 10+00(A) - 13+60(LT. LANE)



RAMP A 75+14.94 - 83+25
 RAMP B 79+54 - 87+00
 RAMP BB 87+86.51 - 92+37.15
 RAMP C 73+73.37 - 86+42.91
 RAMP DD VARIABLE
 RAMP D 83+09.71 - 95+08.92
 RAMP E 104+40 - 111+20.13
 RAMP F 110+86.32 - 121+00
 RAMP G 100+70 - 112+44.6
 RAMP H 112+18.72 - 127+75.21
 LINE A 270+86.55 - 283+55
 LINE B 271+74.11 - 283+89.68



741+54 - 747+29.81 S.R. 16
 749+75.89 - 754+65 S.R. 16
 LINE A-B 267+72.36 GRANVILLE RD. -271+74.11 LINE B
 -270+86.55 LINE A



RAMP A 83+25 - 84+51.5
 RAMP B 78+41.17 - 79+54
 RAMP A-B 84+51.5 - 91+03.63

MARK	ITEM	DESCRIPTION
(1)	254	PAVEMENT PLANING , BITUMINOUS
(2)	446	1 1/4" ASPHALT CONCRETE SURFACE COURSE , TYPE 1 , AC-20
(3)	446	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE , TYPE 2 , AC-20
(4)	407	TACK COAT
(5)	617	1" AVERAGE COMPACTED AGGREGATE , TYPE A

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

PROFILE AND ALIGNMENT FOR RESURFACING PROJECTS

THE PROPOSED PAVEMENT RESURFACING SHALL FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. THE PROPOSED ASPHALT CONCRETE OVERLAY SHALL HAVE A UNIFORM THICKNESS OF 1 1/4" INCHES AS SHOWN ON THE TYPICAL SECTIONS. CONSTRUCTION PLANS, SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE DISTRICT 5 OFFICE.

LIC-161-11.13

LIC-16-(14.30)(18.51) 346 (61)

LIC-37-15.61

LIC-16-14.26 594 (89)

ITEM 614 MAINTAINING TRAFFIC:

TRAFFIC SHALL BE MAINTAINED AS PER THE DETAIL SHEETS AND SPECIFICATIONS AND AS OUTLINED IN THE CONSTRUCTION AND MAINTENANCE OPERATIONS SECTIONS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST REVISION. IN ADDITION, THE FOLLOWING REQUIREMENTS SHALL APPLY:

THE CONTRACTOR SHALL SUBMIT, IN WRITING A SCHEDULE OF OPERATIONS TO THE DISTRICT DEPUTY DIRECTOR AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT.

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR THE PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

FOR SAFETY PURPOSES NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED WITHIN THIRTY (30) FEET FROM THE EDGE OF THE PAVEMENT OF THE TRAVELING LANES.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. THE LENGTH AND DURATION OF RESTRICTED TRAFFIC ZONES SHALL BE KEPT TO A MINIMUM CONSISTENT WITH THE SPECIFICATION REQUIREMENTS FOR PROTECTION OF COMPLETED COURSES AND AS OUTLINED IN THE SEQUENCE OF OPERATIONS.

TRAFFIC SHALL NOT BE EXPOSED TO PAVEMENT DROP OFFS.

PAYMENT FOR ALL OF THE ABOVE, EXCEPT AS NOTED SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

SEQUENCE OF OPERATIONS:

PHASE 1: BEGIN PROJECT TO END PROJECT

- (1) INSTALL NECESSARY TRAFFIC CONTROL DEVICES, CLOSE DRIVING LANE AND MAINTAIN TRAFFIC IN THE PASSING LANE.
- (2) PLANE DRIVING LANE AS DETAILED. WORK IN THE DRIVING LANE MAY BE SUSPENDED, AT THE DIRECTION OF THE ENGINEER, IN ORDER TO MAINTAIN TRAFFIC TO RAMPS AND T.R. 131. AFTER COMPLETION OF STEP 3 AND THE TEMPORARY FEATHERS CONSTRUCTED, THE CONTRACTOR SHALL ADJUST TRAFFIC AND COMPLETE ALL WORK IN THE DRIVING LANE.
- (3) IMMEDIATELY CONSTRUCT ITEM 446 INTERMEDIATE COURSE FOR DRIVING LANES. COMPLETE ALL OTHER RELATED WORK AS PER TYPICAL SECTION.
- (4) REMOVE TRAFFIC CONTROL DEVICES FOR CLOSING DRIVING LANE.

PHASE 2: BEGIN PROJECT TO END PROJECT

- (1) INSTALL NECESSARY TRAFFIC CONTROL DEVICES, CLOSE PASSING LANE, AND MAINTAIN TRAFFIC IN THE DRIVING LANE.
- (2) PLANE PASSING LANE AS DETAILED.
- (3) IMMEDIATELY CONSTRUCT ITEM 446 INTERMEDIATE COURSE FOR PASSING LANES. COMPLETE ALL OTHER RELATED WORK AS PER TYPICAL SECTION.
- (4) REMOVE TRAFFIC CONTROL DEVICES FOR CLOSING PASSING LANE.

PHASE 3: BEGIN PROJECT TO END PROJECT

- (1) INSTALL NECESSARY TRAFFIC CONTROL DEVICES AND CONSTRUCT ITEM 446 SURFACE COURSE.

NOTE:

RAMPS:

WORK ON THE RAMPS MAY BE CONSTRUCTED AT THE OPTION OF THE CONTRACTOR TO MINIMIZE THE INTERFERENCE WITH THE NORMAL FLOW OF TRAFFIC ON THE RAMPS.

GENERAL:

IT IS THE INTENT OF THIS SEQUENCE OF OPERATIONS TO PROVIDE A WORK AREA FOR THE CONTRACTOR WHILE ALSO MAINTAINING TRAFFIC IN A MANNER WHICH IS SAFE FOR THE TRAVELLING PUBLIC.

AT NO TIME SHALL ITEM 617 COMPACTED AGGREGATE BE CONSTRUCTED ABOVE THE EXISTING ASPHALT SURFACE WHEN MAINTAINING TRAFFIC.

ALTERNATE METHODS:

IF THE CONTRACTOR SO ELECTS, HE MAY SUBMIT ALTERNATE METHODS FOR THE MAINTENANCE OF TRAFFIC, PROVIDED THE INTENT OF THE ABOVE PROVISIONS ARE FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THEREFROM. NO ALTERNATE PLAN SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED, IN WRITING, BY THE DIRECTOR.

ALL TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE IN PLACE BEFORE ANY PAVEMENT IS OPENED TO TRAFFIC.

RAISED PAVEMENT MARKER REMOVED FOR STORAGE, AS PER PLAN

REMOVAL OF RAISED PAVEMENT MARKERS SHALL CONFORM WITH SECTION NO. 202.071 IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL EXCEPT FOR THE FOLLOWING:
ONCE PAVEMENT MARKERS HAVE BEEN REMOVED THE OPENING THAT REMAINS IN THE ROADWAY SHALL BE CLEANED FREE OF ALL DEBRIS, TACKED AND FILLED WITH ASPHALT CONCRETE BY THE END OF THE SAME CONSTRUCTION DAY.
AFTER PAVEMENT MARKERS HAVE BEEN REMOVED BY THE CONTRACTOR, HE WILL THEN BE RESPONSIBLE TO TAKE THE REMOVED MARKERS TO A STATE GARAGE THAT WILL BE DESIGNATED BY THE ENGINEER. THE PROJECT ENGINEER SHALL GIVE THE DISTRICT 5 ROADWAY SERVICES MANAGER 24 HOUR NOTICE PRIOR TO DELIVERY AND THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR FURNISHING ALL NECESSARY TRANSFER DOCUMENTATION WITH ALL DELIVERIES. PAYMENT FOR ALL WORK DESCRIBED ABOVE SHALL BE PAID FOR UNDER

ITEM 202 RAISED PAVEMENT MARKERS REMOVED FOR STORAGE, AS PER PLAN.

ESTIMATED QUANTITY CARRIED TO GENERAL SUMMARY 835 EACH

RAISED PAVEMENT MARKER: MATERIALS SUPPLIED BY THE DEPARTMENT

ALL MATERIALS ARE TO BE CONTRACTOR FURNISHED EXCEPT THAT THE DEPARTMENT SHALL SUPPLY TO THE CONTRACTOR RPM MATERIALS IN THE QUANTITIES SHOWN HEREIN. PAY ITEMS FOR THE DEPARTMENT SUPPLIED MATERIALS SHALL BE INDICATED AS "INSTALLATION ONLY." THE QUANTITY AND TYPE OF DEPARTMENT SUPPLIED MATERIALS ARE SHOWN ELSEWHERE IN THE PLAN.

THE CONTRACTOR WILL BE INFORMED AT THE PRE-CONSTRUCTION CONFERENCE OF THE LOCATION IN COLUMBUS OF THE DEPARTMENT SUPPLIED MATERIALS. WHEN SPECIFIED, ADDITIONAL RPM MATERIALS WILL BE STORED WITHIN THE DISTRICT FOR USE ON THIS PROJECT. THE CONTRACTOR SHALL PICK UP DEPARTMENT SUPPLIED RPM MATERIALS AT THE SPECIFIED LOCATION(S) FOR TRANSPORT TO THE WORK SITE OR TO THE CONTRACTOR'S STORAGE FACILITY. AN AUTHORIZATION FOR PICK UP FORM WILL BE FURNISHED BY THE DISTRICT 5 ROADWAY SERVICES MANAGER TO THE CONTRACTOR AT THE PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND/OR THE PARTIES LISTED ON THE AUTHORIZATION FORM (DEPENDANT ON THE STORAGE LOCATIONS OF THE MATERIALS) IN WRITING AT LEAST 5 CALENDAR DAYS PRIOR TO PICK UP OF THE DEPARTMENT SUPPLIED MATERIALS. HE SHALL STORE THEM WITHOUT DAMAGE OR CONTAMINATION WITH FOREIGN MATTER. A DEDUCTION IN THE AMOUNT OF ACTUAL COST TO THE DEPARTMENT SHALL BE MADE FOR MATERIALS DAMAGED BY THE CONTRACTOR WHICH WERE NOT INSTALLED AND WERE NOT RETURNED TO THE DEPARTMENT.

A LISTING OF DEPARTMENT SUPPLIED MATERIALS IS SHOWN ON SHEET 19.

ITEM 404 BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC

A QUANTITY OF ITEM 404 BITUMINOUS CONCRETE, FOR MAINTAINING TRAFFIC HAS BEEN INCLUDED IN THE PLANS FOR MAINTAINING TRAFFIC. THIS ITEM SHALL BE USED TO CONSTRUCT TEMPORARY FEATHERS AT LOCATIONS DESIGNATED BY THE PROJECT ENGINEER AND TO REPAIR BERM USED IN MAINTAINING TRAFFIC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN TRAFFIC FOR THE ENTIRE LENGTH OF THE PROJECT. THE COST OF REMOVALS, MATERIAL, LABOR, EQUIPMENT AND TRAFFIC CONTROL TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 404 BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC. THE FOLLOWING QUANTITY IS INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE PROJECT ENGINEER.

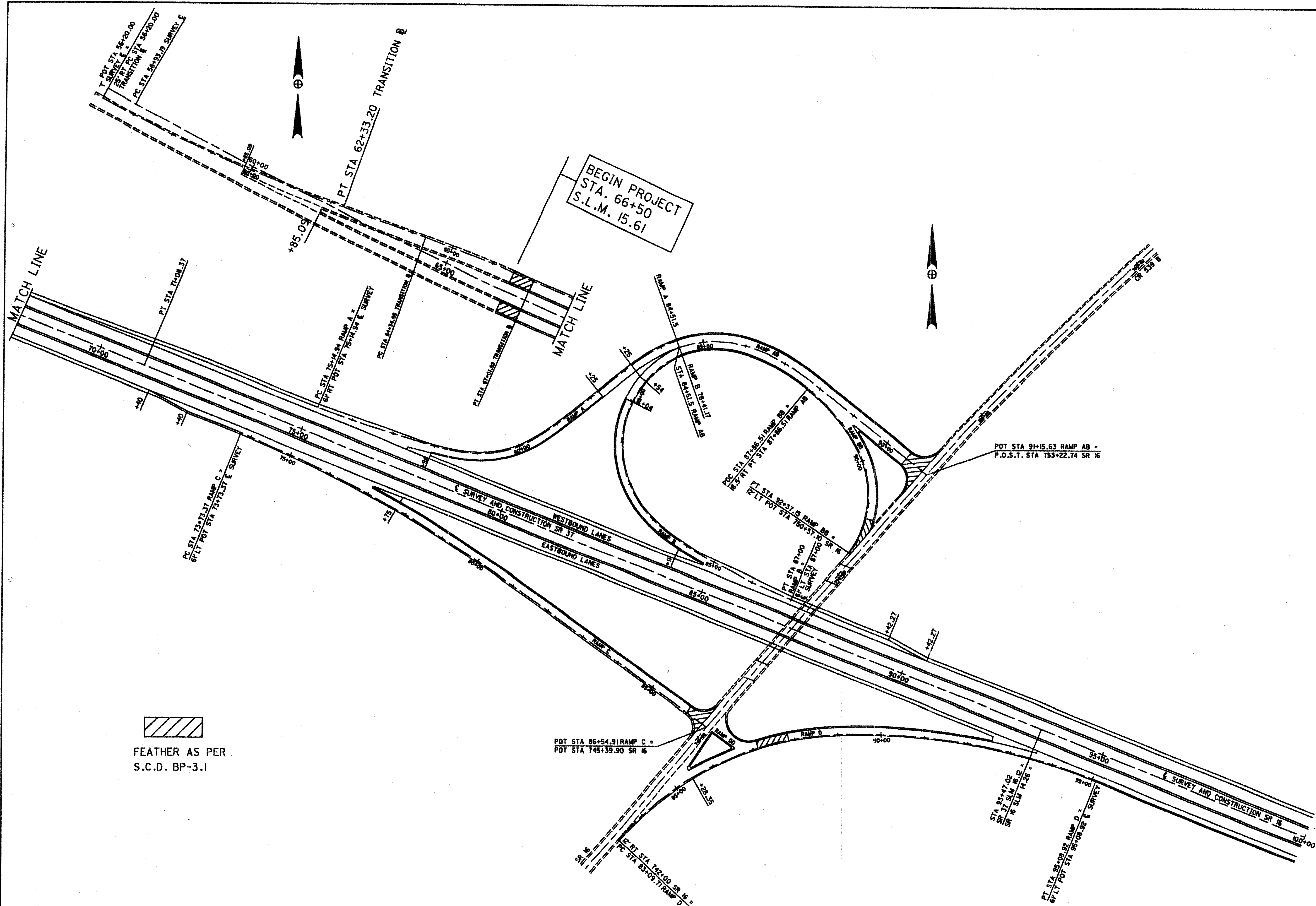
ITEM 404 BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC

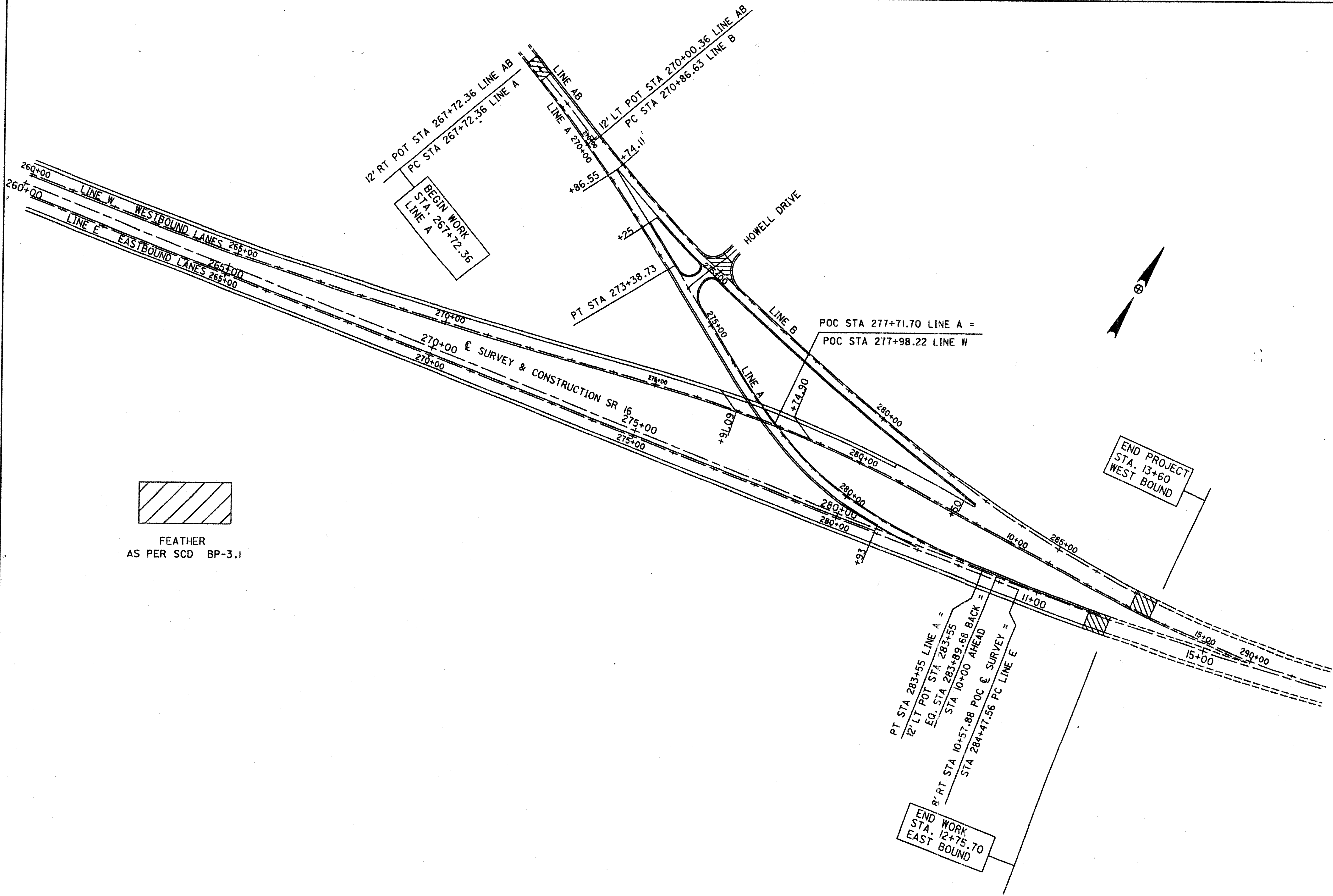
60 CU. YD.

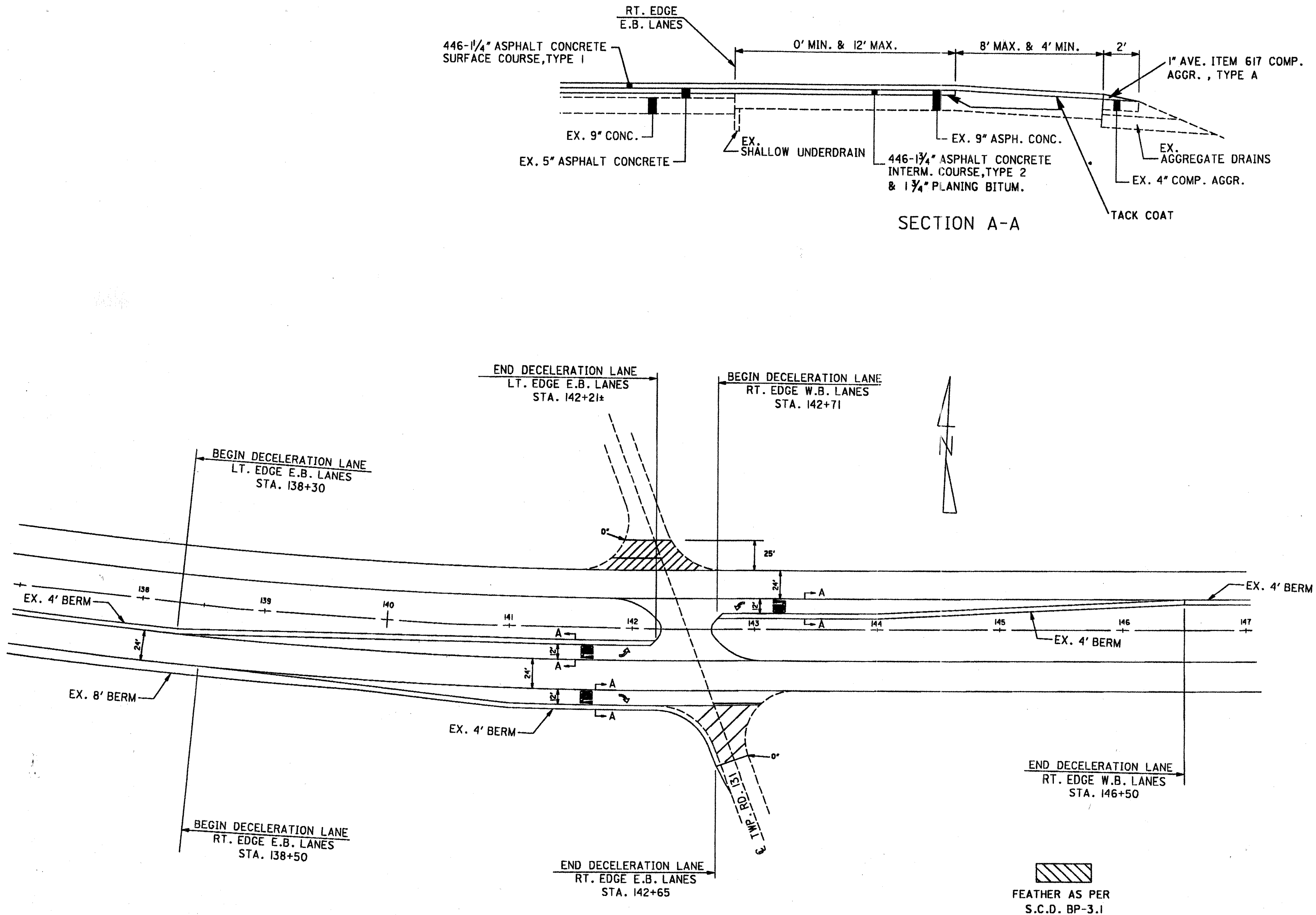
GENERAL NOTES

LIC-16-14.26

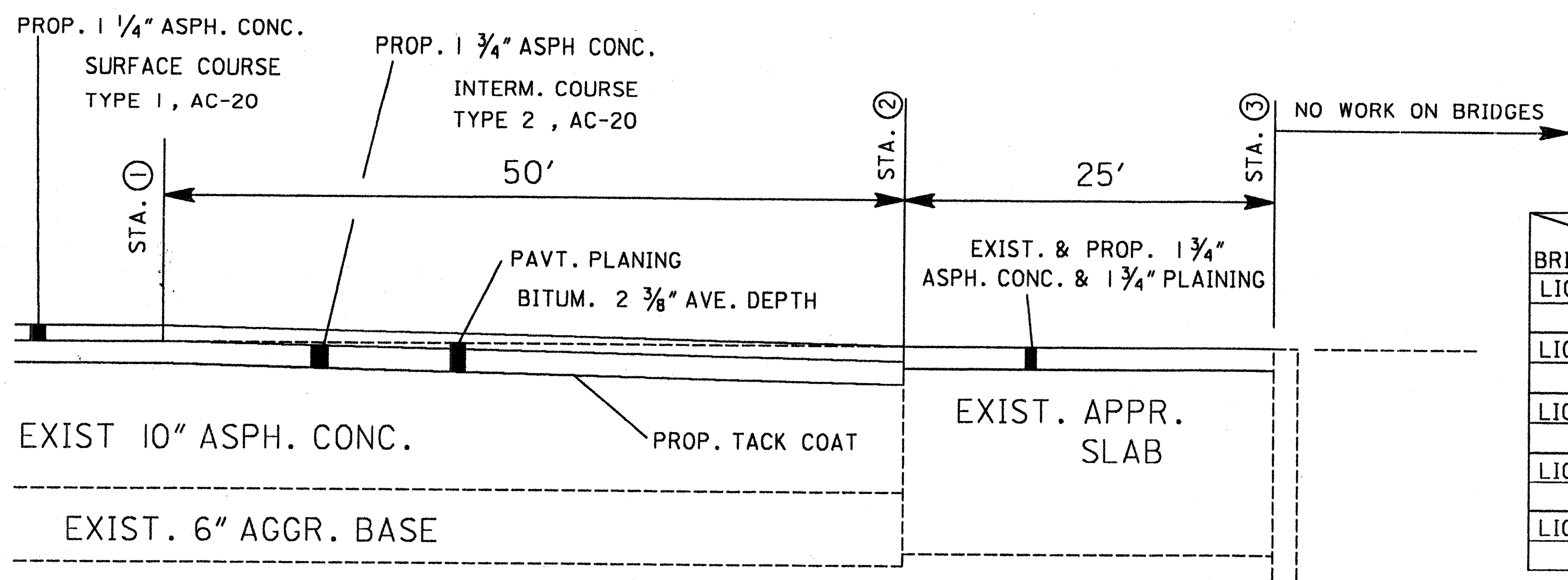
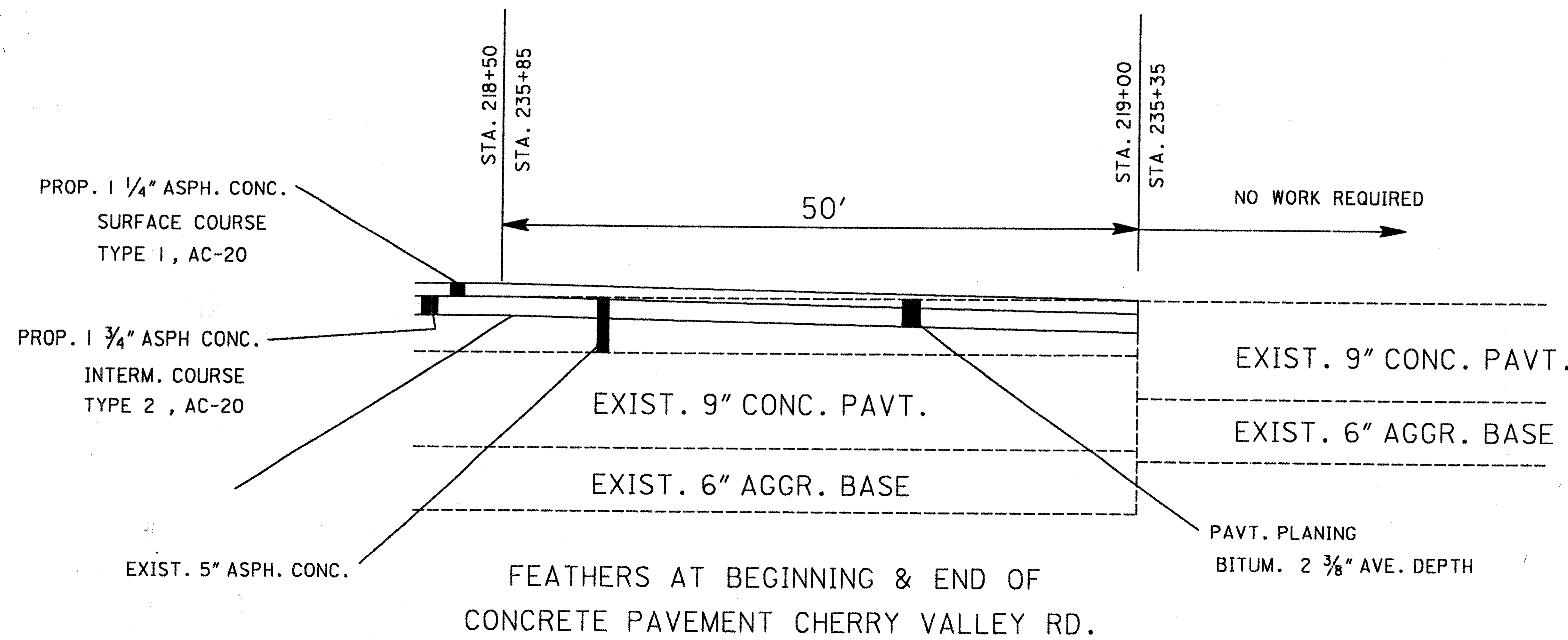
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23





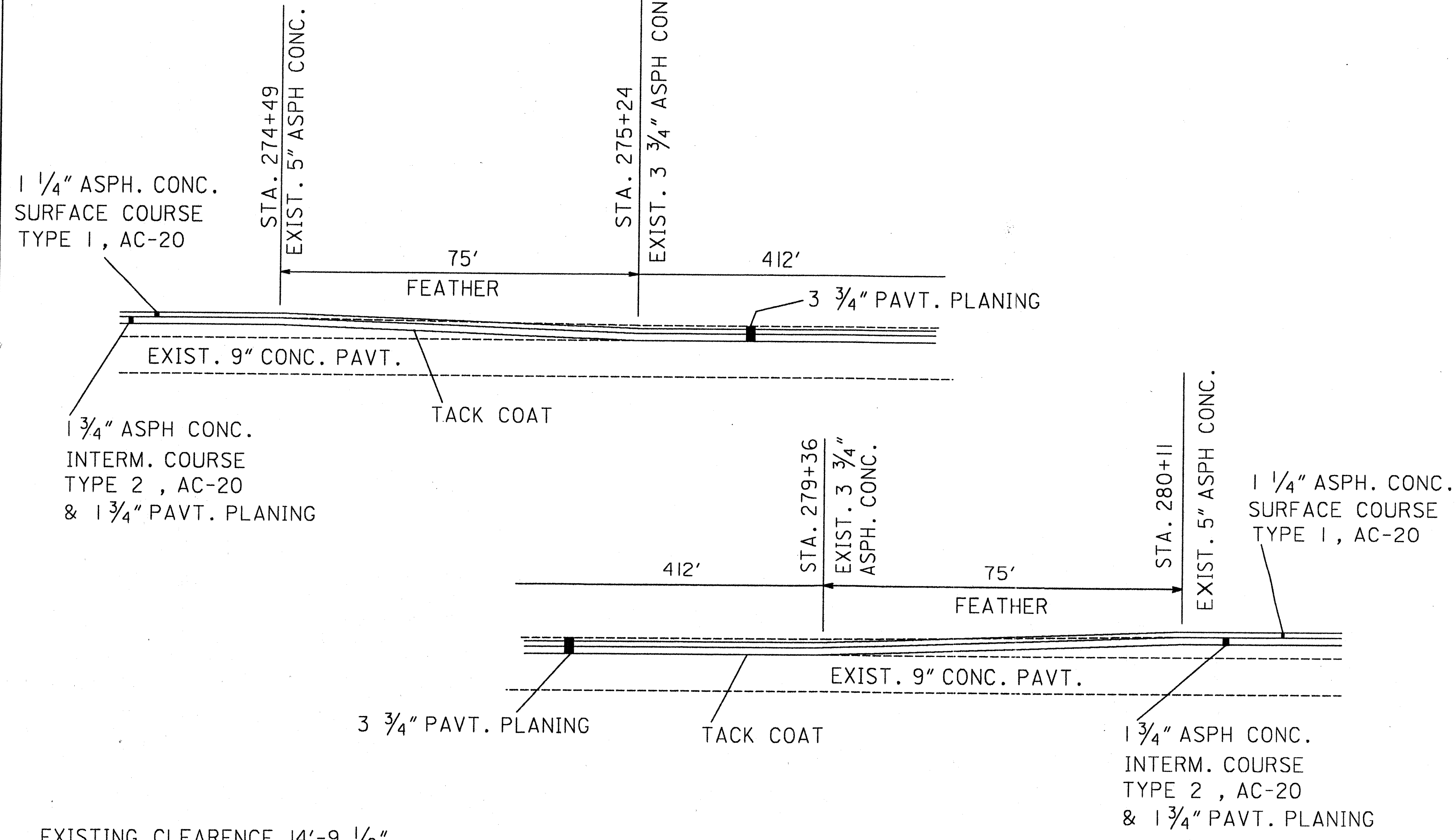


INTERSECTION S.R. 16 & TWP. RD. 131



BRIDGE NO. \ STA.	①	②	③
LIC-16-1560 R	163+23.99	163+73.99	163+98.99
	166+49.68	165+99.68	165+74.68
LIC-16-1560 L	163+39.75	163+89.75	164+14.75
	166+65.35	166+15.35	165+90.35
LIC-16-1594 R	181+15.21	181+65.21	181+90.21
	184+48.54	183+98.54	183+73.54
LIC-16-1594 L	180+48.73	180+98.73	181+23.73
	183+78.66	183+28.66	183+03.66
LIC-16-1773 L	276+16.09	276+66.09	276+91.09
	279+49.90	278+99.90	278+74.90

FEATHER UNDER BRIDGE LIC-16-1773L LINE "A"



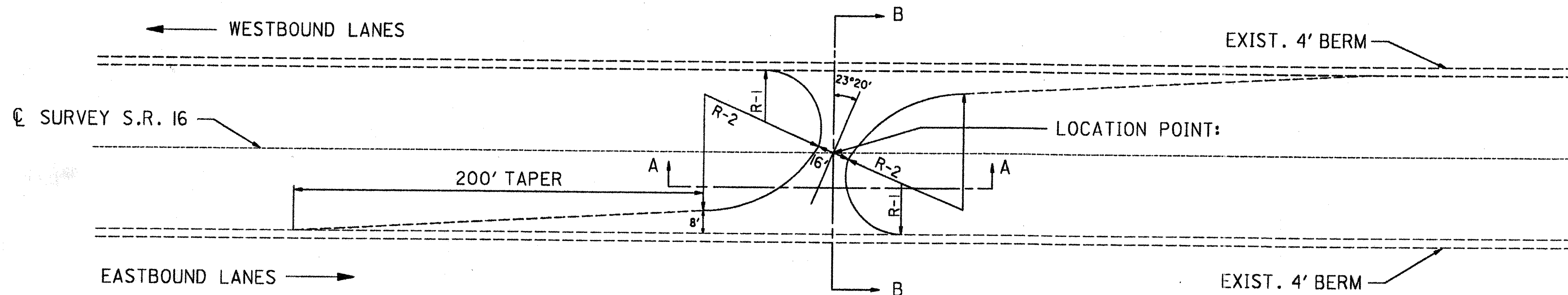
EXISTING CLEARANCE 14'-9 1/2"
PROP. CLEARANCE 14'-10 1/4"

LO1614UP.DGN 4-16-96

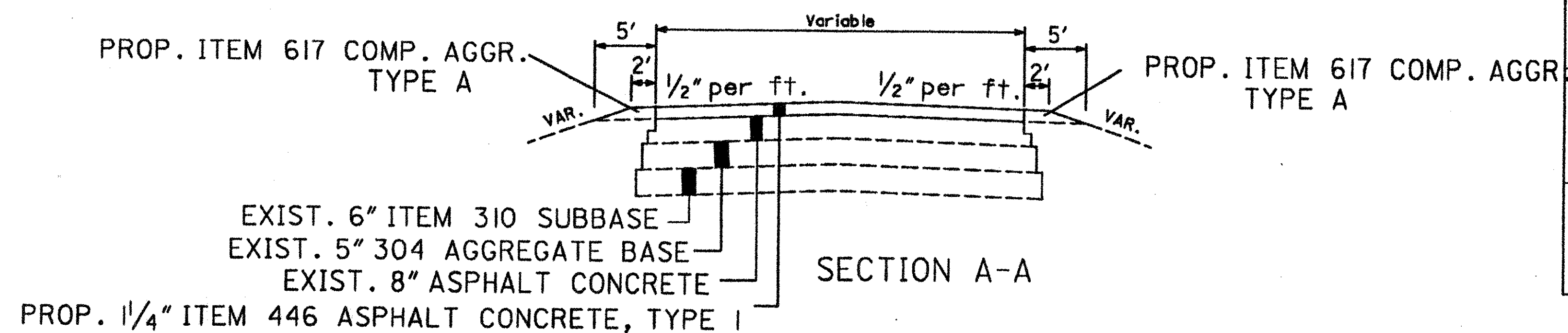
UNDERPASS DETAILS

LIC-16-14.26

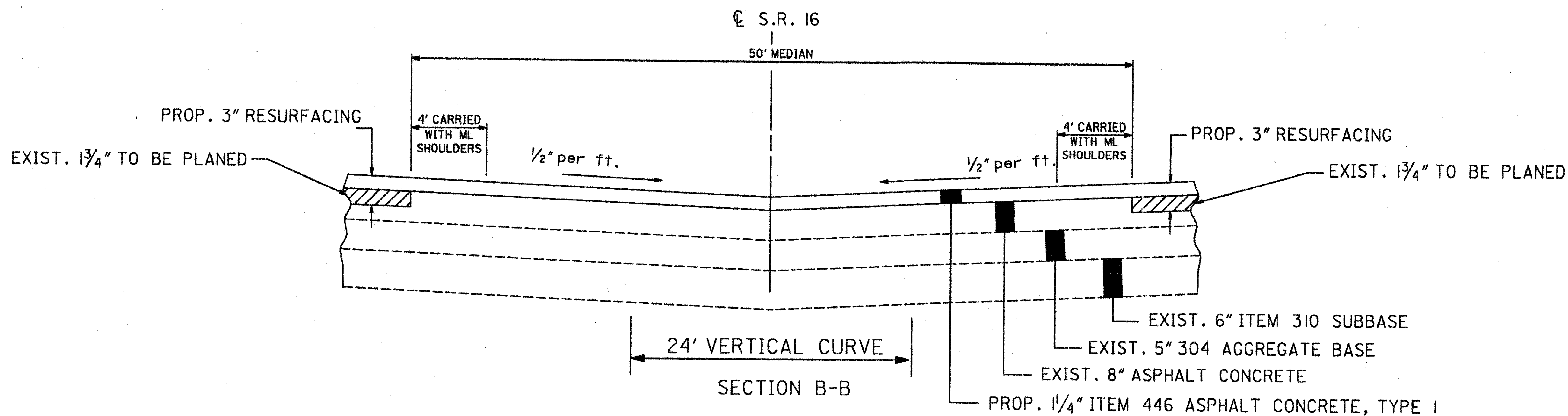
U-TURN MEDIAN OPENINGS



TYPICAL U - TURN MEDIAN OPENING



DIMENSIONS APPLICABLE TO VARYING MEDIAN WIDTHS			
M (ft.)	R-1 (ft.)	R-2 (ft.)	AREA (YD ²)
50	12.5	27.5	319.4



STATION EASTBOUND		WIDTH PAVT.	LENGTH	PAVT. AREA	446		254		407
					ASPH. CONC. SURFACE COURSE TYPE 1 AC-20 (1 1/4")	ASPH. CONC. INTER. COURSE TYPE 2 AC-20 (1 3/4")	PAVEMENT PLANING BITUMINOUS (1 3/4")	TACK COAT	
FROM	TO	FT.	FT.	SQ. YD.	CU. YD.	CU. YD.	SQ. YD.	GAL.	
66+50	67+00	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0	
67+00	163+23.99	24	9623.99	25664.0	891.1	1247.6	25664.0	1924.8	
163+23.99	163+73.99	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0	
163+73.99	163+98.99	24	25.00	66.7	(1 3/4") 3.2		66.7	5.0	
163+98.99	165+74.68	BRIDGE LIMITS NO WORK REQUIRED							
165+74.68	165+99.68	24	25.00	66.7	(1 3/4") 3.2		66.7	5.0	
165+99.68	166+49.68	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0	
166+49.68	181+15.21	24	1465.53	3908.1	135.7	190.0	3908.1	293.1	
181+15.21	181+65.21	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0	
181+65.21	181+90.21	24	25.00	66.7	(1 3/4") 3.2		66.7	5.0	
181+90.21	183+73.54	BRIDGE LIMITS NO WORK REQUIRED							
183+73.54	183+98.54	24	25.00	66.7	(1 3/4") 3.2		66.7	5.0	
183+98.54	184+48.54	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0	
184+48.54	218+50	24	3401.46	9070.6	315.0	440.9	9070.6	680.3	
218+50	219+00	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0	
219+00	235+35	CHERRY VALLEY ROAD CONC. PAVT. NO WORK REQUIRED							
235+35	235+85	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0	
235+85	283+89.68 B	24	4804.68	12812.5	444.9	622.8	12812.5	960.9	
10+00A	12+25.70	36	225.70	902.8	31.3	43.9	902.8	67.7	
12+25.70	12+75.70	36	50.00	200.0	6.9	9.7	(2 3/8" AVE) 200.0	15.0	
71+40	72+40	6 AVE	100.00	66.7	2.3	3.2	66.7	5.0	
72+40	73+73.37	12	133.37	177.8	6.2	8.6	177.8	13.3	
RAMP C									
73+73.37	77+35.18	23.5 AVE	361.81	944.7	32.8	45.9	944.7	70.9	
77+35.18	78+35.18	17 AVE	100.00	188.9	6.6	9.2	188.9	14.2	
78+35.18	85+92.91	16	757.73	1347.1	46.8	65.5	1347.1	101.0	
85+92.91	86+42.91	16	50.00	88.9	3.1	4.3	(2 3/8" AVE) 88.9	6.7	
EXTRA AREA	FOR RADII	VAR		10.6	0.4	0.5	(2 3/8" AVE) 10.6	0.8	
77+37.11	78+37.11	9 AVE	100.00	10.0	0.3	0.5	10.0	0.8	
RAMP D									
87+00	87+75	16	75.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0	
87+75	91+44	16	369.00	656.0	22.8	31.9	656.0	49.2	
91+44	92+44	15 AVE	100.00	166.7	5.8	8.1	166.7	12.5	
92+44	93+49	15 AVE	105.00	175.0	6.1	8.5	175.0	13.1	
93+49	95+08.92	16 AVE	159.92	284.3	9.9	13.8	284.3	21.3	
95+08.92	100+70.00	12	561.08	748.1	26.0	36.4	748.1	56.1	
RAMP G									
100+70.00	103+64.93	23.5 AVE	294.93	770.1	26.7	37.4	770.1	57.8	
103+64.93	104+64.93	17 AVE	100.00	188.9	6.6	9.2	188.9	14.2	
104+64.93	111+94.60	16	729.67	1297.2	45.0	63.1	1297.2	97.3	
111+94.60	112+44.60	16	50.00	88.9	3.1	4.3	(2 3/8" AVE) 88.9	6.7	
EXTRA AREA	FOR RADII	VAR		11.0	0.4	0.5	(2 3/8" AVE) 11.0	0.8	
RAMP H									
112+18.63	112+68.72	16	50.09	89.0	3.1	4.3	(2 3/8" AVE) 89.0	6.7	
EXTRA AREA	FOR RADII	VAR		14.0	0.5	0.7	(2 3/8" AVE) 14.0	1.1	
112+68.72	123+08.53	16	1039.81	1848.6	64.2	89.9	1848.6	138.6	
123+08.53	124+08.53	15 AVE	100.00	166.7	5.8	8.1	166.7	12.5	
124+08.53	125+08.53	15 AVE	100.00	166.7	5.8	8.1	166.7	12.5	
125+08.53	127+75.21	16.5 AVE	266.68	488.9	17.0	23.8	488.9	36.7	
127+75.21	130+11.63	12	236.42	315.2	10.9	15.3	315.2	23.6	
130+11.63	133+11.63	6 AVE	300.00	200.0	6.9	9.7	200.0	15.0	

STATION		WIDTH PAVT.	LENGTH	PAVT. AREA	446		254		407
					ASPH. CONC. SURFACE COURSE TYPE 1 AC-20 (1 1/4")	ASPH. CONC. INTER. COURSE TYPE 2 AC-20 (1 3/4")	PAVEMENT PLANING BITUMINOUS (1 3/4")	TACK COAT	
FROM	TO	FT.	FT.	SQ. YD.	CU. YD.	CU. YD.	SQ. YD.	GAL.	
LINE A									
267+72.36	268+22.36	18 AVE	50.00	100.0	3.5	4.9	(2 3/4" AVE) 100.0	7.5	
268+22.36	270+86.55	18 AVE	264.19	528.4	18.3	25.7	528.4	39.6	
270+86.55	271+86.55	18 AVE	100.00	200.0	6.9	9.7	200.0	15.0	
271+86.55	274+49	16	262.45	466.6	16.2	22.7	466.6	35.0	
274+49	275+24	16	75.00	133.3	4.6	6.5	(2 3/4" AVE) 133.3	10.0	
275+24	279+36	16	412.00	732.2	25.4	35.6	(3 3/4") 732.2	54.9	
279+36	280+11	16	75.00	133.3	4.6	6.5	(2 3/4" AVE) 133.3	10.0	
280+11	280+95.12	15 AVE	84.12	140.2	4.9	6.8	140.2	10.5	
280+95.12	281+95.12	15 AVE	100.00	166.7	5.8	8.1	166.7	12.5	
281+95.12	283+55	16.5	159.88	293.1	10.2	14.2	293.1	22.0	
283+55	283+89.68B	12	34.68	46.2	1.6	2.2	46.2	3.5	
TR 131 TURNING LANES									
138+50	141+00	6 AVE	250.00	166.7	5.8	8.1	166.7	12.5	
141+00	142+18.50	12	118.50	158.0	4.1	7.7	158.0	11.9	
142+18.50	9+15	VAR		48.0	(3/4" AVE) 1.0			3.6	
APPR RT				233.0	(3/4" AVE) 4.9			17.5	
CROSSOVER				356.0	12.4	17.3	356.0	26.7	
138+30	140+80	6 AVE	250.00	166.7	5.8	8.1	166.7	12.5	
140+80	141+81	12	101.00	134.7	4.7	6.5	134.7	10.1	
141+81	142+21	VAR		33.0	1.1	1.6	33.0	2.5	
RAMP H-H									
2+10	2+60	16	50.00	88.9	3.1	4.3	(2 3/4" AVE) 88.9	6.7	
2+60	4+10	16	150.00	266.7	9.3	13.0	266.7	20.0	
4+10	4+65	8 AVE	55.00	48.9	1.7	2.4	48.9	3.7	
U-TURN									
259+81				319.4	11.1			24.0	
GRAND TOTALS CARRIED TO GENERAL SUMMARY									
					2406.6	3329.6	68760.8	5202.4	

STATION WESTBOUND		WIDTH PAVT.	LENGTH	PAVT. AREA	446		254		407	
					ASPH. CONC. SURFACE COURSE TYPE 1 AC-20 (1 1/4")	ASPH. CONC. INTER. COURSE TYPE 2 AC-20 (1 3/4")	PAVEMENT PLANING BITUMINOUS (1 3/4")	TACK COAT		
FROM	TO	FT.	FT.	SQ. YD.	CU. YD.	CU. YD.	SQ. YD.	GAL.		
66+50	67+00	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
67+00	163+39.75	24	9639.75	25706.0	892.6	1249.6	25706.0	1928.0		
163+39.75	163+89.75	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
163+89.75	164+14.75	24	25.00	66.7	(1 3/4") 3.2	-	66.7	5.0		
164+14.75	165+90.35	BRIDGE LIMITS		NO WORK REQUIRED						
165+90.35	166+15.35	24	25.00	66.7	(1 3/4") 3.2	-	66.7	5.0		
166+15.35	166+65.35	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
166+65.35	180+48.73	24	1383.38	3689.0	128.1	179.3	3689.0	276.7		
180+48.73	180+98.73	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
180+98.73	181+23.73	24	25.00	66.7	(1 3/4") 3.2	-	66.7	5.0		
181+23.73	183+03.66	BRIDGE LIMITS		NO WORK REQUIRED						
183+03.66	183+28.66	24	25.00	66.7	(1 3/4") 3.2	-	66.7	5.0		
183+28.66	183+78.66	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
183+78.66	218+50	24	3471.34	9256.9	321.4	450.0	9256.9	694.3		
218+50	219+00	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
219+00	235+35	CHERRY VALLEY ROAD		CONC. PAVT.		NO WORK REQUIRED				
235+35	235+85	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
235+85	276+16.09	24	4031.09	10749.6	373.3	522.6	10749.6	806.2		
276+16.09	276+66.09	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
276+66.09	276+91.09	24	25.00	66.7	(1 3/4") 3.2	-	66.7	5.0		
276+91.09	278+74.90	BRIDGE LIMITS		NO WORK REQUIRED						
278+74.90	278+99.90	24	25.00	66.7	(1 3/4") 3.2	-	66.7	5.0		
278+99.90	279+49.90	24	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
279+49.90	283+89.68B	24	439.78	1172.7	40.7	57.0	1172.7	88.0		
10+00A	12+73	24	273.00	728.0	25.3	35.4	728.0	54.6		
12+73	13+10	36	37.00	98.7	3.4	4.8	98.7	7.4		
13+10	13+60	36	50.00	133.3	4.6	6.5	(2 3/8" AVE) 133.3	10.0		
RAMP A										
69+00	72+00	6 AVE	300.00	200.0	6.9	9.7	200.0	15.0		
72+00	75+14.94	12	314.94	419.9	14.6	20.4	419.9	31.5		
75+14.94	77+00	16.5	185.06	339.3	11.8	16.5	339.3	25.4		
77+00	78+00	15 AVE	100.00	166.7	5.8	8.1	166.7	12.5		
78+00	79+00	15 AVE	100.00	166.7	5.8	8.1	166.7	12.5		
79+00	82+25	16	325.00	577.8	20.1	28.1	577.8	43.3		
82+25	84+51.5	17	226.50	427.8	14.9	20.8	427.8	32.1		
RAMP A-B										
84+51.50	90+70	34	618.50	2336.6	81.1	113.6	2336.6	175.2		
90+70	91+03.63	37	33.63	138.3	4.8	6.7	(2 3/8" AVE) 138.3	10.4		
EXTRA AREA	FOR RADII			81.0	2.8	3.9	(2 3/8" AVE) 81.0	6.1		
RAMP B-B										
87+86.51	89+26.61	11 AVE	140.10	171.2	5.9	8.3	171.2	12.8		
89+26.61	91+25	16 AVE	198.39	352.7	12.2	17.1	352.7	26.5		
91+25	91+48.25	14	23.25	36.2	1.3	1.8	(2 3/8" AVE) 36.2	2.7		
91+48.25	92+37.15	9 AVE	88.9	88.9	3.1	4.3	(2 3/8" AVE) 88.9	6.7		
RAMP B										
78+41.1	79+54	17	112.83	213.1	7.4	10.4	213.1	16.0		
79+54	80+04	17.5 AVE	50.00	97.2	3.4	4.7	97.2	7.3		
80+04	83+45	16	341.00	606.2	21.0	29.5	606.2	45.5		
83+45	83+69.47	16.25 AVE	24.47	44.2	1.5	2.1	44.2	3.3		
83+69.47	84+45	17.25 AVE	75.53	144.8	5.0	7.0	144.8	10.9		
84+45	85+69.47	26.75 AVE	124.47	370.0	12.8	18.0	370.0	27.8		
85+69.47	87+00	15.25 AVE	130.53	221.2	7.7	10.8	221.2	16.6		

STATION		WIDTH PAVT.	LENGTH	PAVT. AREA	446		254		407	
					ASPH. CONC. SURFACE COURSE TYPE 1 AC-20 (1 1/4")	ASPH. CONC. INTER. COURSE TYPE 2 AC-20 (1 3/4")	PAVEMENT PLANING BITUMINOUS (1 3/4")	TACK COAT		
FROM	TO	FT.	FT.	SQ. YD.	CU. YD.	CU. YD.	SQ. YD.	GAL.		
83+42.27	83+69.47	8	27.20	24.2	0.8	1.2	24.2	1.8		
83+69.47	84+42.27	9 AVE	72.80	72.8	2.5	3.5	72.8	5.5		
87+00	89+42.27	12	242.27	323.0	11.2	15.7	323.0	24.2		
89+42.27	90+42.27	6 AVE	100.00	66.7	2.3	3.2	66.7	5.0		
RAMP E										
104+40	105+99.88	16.5 AVE	159.88	293.1	10.2	14.2	293.1	22.0		
105+99.88	106+99.88	15 AVE	100.00	166.7	5.8	8.1	166.7	12.5		
106+99.88	107+99.88	15 AVE	100.00	166.7	5.8	8.1	166.7	12.5		
107+99.88	110+70.13	16	270.25	480.4	16.7	23.4	480.4	36.0		
110+70.13	111+20.13	16	50.00	88.9	3.1	4.3	(2 3/8" AVE) 88.9	6.7		
EXTRA AREA	FOR RADII			131.0	4.5	6.4	(2 3/8" AVE) 131.0	9.8		
RAMP F										
EXTRA AREA	FOR RADII			98.0	3.4	4.8	(2 3/8" AVE) 98.0	7.4		
110+86.32	111+36.32	16	50.00	88.9	3.1	4.3	(2 3/8" AVE) 88.9	6.7		
111+36.32	117+45	16	608.68	1082.1	37.6	52.6	1082.1	81.2		
117+45	118+45	17 AVE	100.00	188.9	6.6	9.2	188.9	14.2		
118+45	121+00	23.5 AVE	255.00	665.8	23.1	32.4	665.8	49.9		
121+00	123+45	12	245.00	326.7	11.3	15.9	326.7	24.5		
123+45	124+45	6 AVE	100.00	66.7	2.3	3.2	66.7	5.0		
117+42.28	118+42.28	9 AVE	100.00	100.0	3.5	4.9	100.0	7.5		
LINE A-B										
267+72.36	268+22.36	12	50.00	66.7	2.3	3.2	(2 3/8" AVE) 66.7	5.0		
268+22.36	270+00.36	12	178.00	237.3	8.2	11.5	237.3	17.8		
LINE B										
270+86.63	271+74.11	13 AVE	87.48	126.4	4.4	6.1	126.4	9.5		
271+74.11	273+14.11	15 AVE	140.00	233.3	8.1	11.3	233.3	17.5		
273+14.11	281+97.31	16	883.20	1570.1	54.5	76.3	1570.1	117.8		
281+97.31	282+97.31	17 AVE	100.00	188.9	6.6	9.2	188.9	14.2		
282+97.31	283+89.68B	23.5	92.37	241.2	8.4	11.7	241.2	18.1		
10+00A	12+10.32	23.5	210.32	549.2	19.1	10.2	549.2	41.2		
12+10.32	13+60	12	62.68	199.6	6.9	3.0	(2 3/8" AVE) 199.6	15.0		
CROSS OVER AT HOWELL DR										
HOWELL DR				238.0	8.3	11.6	238.0	17.9		
				235.1	(3/4" AVE) 4.9	-	-	-		
TR 131 TURNING LANE										
142+71	143+00	VAR		24.0	0.8	1.2	24.0	1.8		
143+00	144+00	12	100.00	133.3	4.6	6.5	133.3	10.0		
144+00	146+50	6 AVE	250.00	166.7	5.8	8.1	166.7	12.5		
APPR LT		VAR		173.0	(3/4" AVE) 3.6	-	-	-		
GRAND TOTALS CARRIED TO GENERAL SUMMARY										
					2400.2	3298.9	68739.2	5156.0		

PAVEMENT SUBSUMMARY

LIC-16-14.26

13
23

STATION EASTBOUND		LT. SIDE		RT. SIDE		AREA	446	254	407	617
		WIDTH BERM	LENGTH	WIDTH BERM	LENGTH		ASPHALT CONC. SURFACE COURSE TYPE I AC-20	PAVT. PLANING BITUM.	TACK COAT	COMP. AGGR. TYPE A
							(1/4")	(5/8" AVE)		(1" AVE) 5' WIDTH
FROM	TO	FT.	FT.	FT.	FT.	SQ. FT.	CU YD.	SQ YD.	GAL.	CU YD.
66+50	67+00	4	50.00			22.2	0.8	22.2	1.7	0.8
67+00	142+21	4	7521.00			3342.7	116.1	-	250.7	115.6
143+10	163+23.99	4	2013.99			895.1	31.1	-	67.1	31.0
163+23.99	164+02.55	4	78.56			34.9	1.2	34.9	2.6	1.2
164+02.55	165+76.99		BRIDGE		LIMITS	NO	WORK			
165+76.99	166+49.68	4	72.69			32.3	1.1	32.3	2.4	1.1
166+49.68	181+15.21	4	1465.53			651.3	22.6		48.8	22.5
181+15.21	181+78.21	4	63.00			28.0	1.0	28.0	2.1	1.0
181+78.21	183+60.38		BRIDGE		LIMITS	NO	WORK			
183+60.38	184+48.54	4	182.17			81.0	2.8	81.0	6.1	2.8
184+48.54	218+50	4	3401.46			1511.8	52.5		113.4	52.3
218+50	219+00	4	50.00			22.2	0.8	22.2	1.7	0.8
219+00	235+35		CHERRY		VALLEY	RD NO	WORK			
235+35	235+85	4	50.00			22.2	0.8	22.2	1.7	0.8
235+85	280+93	4	4508.00			2003.6	69.6		150.3	69.3
280+93	281+93.9	13.5 AVE	100.90			151.4	5.3		11.4	1.6
LINE A										
267+72.36	268+22.36			4	50.00	22.2	0.8		1.7	0.8
268+22.36	274+49			4	626.64	278.5	9.7		20.9	9.6
274+49	275+24			4	75.00	33.3	1.2	33.3	2.5	1.2
275+24	279+36			4	412.00	183.1	6.4	114 183.1	13.7	6.3
279+36	280+11			4	75.00	33.3	1.2	33.3	2.5	1.2
280+11	280+95.12			3 AVE	84.12	28.0	1.0		2.1	1.3
272+25	273+52.90	3	127.80			42.6	1.5		3.2	2.0
274+49.0	275+24	3	75.00			25.0	0.9		1.9	1.2
275+24	279+36	3	412.00			137.3	4.8	137.3	10.3	6.3
279+36	280+11	3	75.00			25.0	0.9	114 25.0	1.9	1.2
280+11	280+95.12	3	84.12			28.0	1.0	28.0	2.1	1.3
280+95.12	281+95.12	3.5 AVE	100.00			38.9	1.4		2.9	1.5
281+95.12	283+89.68B	4	194.56			86.5	3.0		6.5	3.0
10+00A	12+25.70	4	225.70			100.3	3.5		7.5	3.5
12+25.70	12+75.70	4	50.00			22.2	0.8	22.2	1.7	0.8
66+50	67+00			8	50.00	44.4	1.5		3.3	0.8
67+00	73+73.37	8		8	673.37	598.6	20.8		44.9	10.3
RAMP C										
73+73.37	78+35.18			5.5 AVE	461.81	282.2	9.8		21.2	7.1
78+35.18	85+92.91			3	757.73	252.6	8.8		18.9	11.6
85+92.91	86+42.91			3	50.00	16.70	0.6	16.7	1.3	0.8
77+35.18	77+75	8	39.82			35.40	1.2		2.7	0.6
77+35.18	85+92.91	3	857.73			285.91	9.9		21.4	13.2
85+92.91	86+42.91	3	50.00			16.7	0.6	16.7	1.3	0.8
78+34.21	92+62			8	1427.79	1269.1	44.1		95.2	21.9
92+62	93+42.82			12	80.82	107.8	3.7		8.1	1.2
RAMP D										
87+00	87+75	3	75.00			25.00	0.9	25.0	1.9	1.2
87+75	91+44	3	369.00			123.00	4.3		9.2	5.7
91+44	92+44	2.5 AVE	100.00			277.8	1.0		2.1	1.5
87+00	87+75			3	75.00	25.0	0.9	25.0	1.9	1.2
87+75	91+44			3	369.00	123.0	4.3		9.2	5.7
91+44	95+08.92			5.5 AVE	364.92	223.01	7.7		16.7	5.6
95+08.92	100+70			8	561.08	498.7	17.3		37.4	8.6
GRAND TOTALS CARRIED TO GENERAL SUMMARY										
							1038.2	1179.4	2242.8	764.1

STATION EASTBOUND		LT. SIDE		RT. SIDE		AREA	446	254	407	617
		WIDTH BERM	LENGTH	WIDTH BERM	LENGTH		ASPHALT CONC. SURFACE COURSE TYPE I AC-20	PAVT. PLANING BITUM.	TACK COAT	COMP. AGGR. TYPE A
							(1/4")	(5/8" AVE)		(1" AVE) 5' WIDTH
FROM	TO	FT.	FT.	FT.	FT.	SQ. FT.	CU YD.	SQ YD.	GAL.	CU YD.
RAMP G										
100+70	104+64.93			5.5 AVE	394.93	241.3	8.4		18.1	6.1
104+64.93	111+94.60			3	729.67	243.2	8.4		18.2	11.2
111+94.60	112+44.60			3	50.00	16.7	0.6	16.7	1.3	0.8
103+64.93	104+00	8 AVE	35.07			31.2	1.1		2.3	0.5
103+64.93	111+94.60	3	829.67			276.6	9.6		20.7	12.8
111+94.60	112+44.60	3	50.00			16.7	0.6		1.3	0.8
104+67.28	123+42			8	1874.72	1666.4	57.9		125.0	28.8
123+42	125+11.63			13 AVE	169.63	245.0	8.5		18.4	2.6
RAMP H										
112+18.63	112+68.72	3	50.09			16.7	0.6		1.3	0.8
112+68.72	123+08.53	3	1039.81			346.6	12.0		26.0	16.0
123+08.53	124+08.53	2.5 AVE	100.00			27.8	1.0		2.1	1.5
112+18.22	112+68.22			3	50.00	16.7	0.6		1.3	0.8
112+68.22	113+68.22			3	100.00	33.3	1.2		2.5	1.5
114+32	123+08.53			3	876.53	292.2	10.1		21.9	13.5
123+08.53	127+75.21			5.5 AVE	466.68	285.2	9.9		21.4	7.2
RAMP H-H										
2+10	2+60	3	50.00			16.7	0.6	16.7	1.3	0.8
2+60	4+10	3	150.00			50.0	1.7		3.8	2.3
2+10	2+60			3	50.00	16.7	0.6		1.3	0.8
2+60	4+65			3	205.00	68.3	2.4		5.1	3.2
127+75.21	138+50			8	1074.79	955.4	33.2		71.7	16.5
138+50	139+33.33			6 AVE	83.33	55.6	1.9		4.2	1.3
139+33.33	141+00			4	166.67	74.1	2.6		5.6	2.6
141+00	142+18.5			4	118.50	52.7	1.8		4.0	1.8
142+18.5	9+15			4	92.00	40.9	1 AVE 1/4 0.9		3.1	1.4
143+30	163+23.99			8	1993.99	1772.4	61.5		132.9	30.6
163+23.99	163+93.17			8	72.18	64.2	2.2	64.2	4.8	1.1
163+96.17	165+70.61			BRIDGE	LIMITS	NO	WORK			
165+70.61	166+49.68			8	79.07	70.3	2.4	70.3	5.3	1.2
166+49.68	181+65.21			8	1515.53	1347.1	46.8		101.0	23.3
181+65.21	182+05.16			8	39.95	35.5	1.2	35.5	2.7	0.6
182+05.16	183+87.33			BRIDGE	LIMITS	NO	WORK			
183+87.33	184+48.54			8	61.21	54.4	1.9	54.4	4.1	0.9
184+48.54	218+50			8	3401.46	3023.5	105.0		226.8	52.3
218+50	219+00			8	50.00	44.4	1.5	44.4	3.3	0.8
219+00	235+35			CHERRY	VALLEY	ROAD	NO	WORK		
235+35	235+85			8	50.00	44.4	1.5	44.4	3.3	0.8
235+85	283+89.68B			8	4804.68	4270.8	148.3		320.3	73.8
10+00A	12+25.70			8	225.70	200.6	7.0		15.0	3.5
12+25.70	12+75.70			8	50.00	44.4	1.5	44.4	3.3	0.8
GRAND TOTALS CARRIED TO GENERAL SUMMARY							1038.2	1179.4	2242.8	764.1

SHOULDER SUBSUMMARY

LIC-16 - 14.26

14
23

STATION WESTBOUND		LT. SIDE		RT. SIDE		AREA	446	254	407	617	STATION WESTBOUND		LT. SIDE		RT. SIDE		AREA	446	254	407	617	CALCULATED TOTAL CARRIED TO GENERAL SUMMARY	LIC-16-14.26
		WIDTH BERM	LENGTH	WIDTH BERM	LENGTH		ASPHALT CONC. SURFACE COURSE TYPE I AC-20 (1 1/4")	PAVT. PLANING BITUM. (5/8" AVE)	TACK COAT	COMP. AGGR. TYPE A (1" AVE) 5' WIDTH			WIDTH BERM	LENGTH	WIDTH BERM	LENGTH		ASPHALT CONC. SURFACE COURSE TYPE I AC-20 (1 1/4")	PAVT. PLANING BITUM. (5/8" AVE)	TACK COAT	COMP. AGGR. TYPE A (1" AVE) 5' WIDTH		
FROM	TO	FT.	FT.	FT.	FT.	SQ. FT.	CU.YD.	SQ.YD.	GAL.	CU.YD.	FROM	TO	FT.	FT.	FT.	FT.	SQ. FT.	CU.YD.	SQ. YD.	GAL.	CU.YD.		
66+50	67+00			4	50.00	22.2	0.8		1.7	0.7	83+69.47	85+69.47	4.5AV	200.00			100.0	3.5		7.5	3.0		
67+00	163+39.75			4	9639.75	4284.3	148.8		321.3	142.8	85+69.47	87+00	7 AV	130.53			101.5	3.5		7.6	1.9		
163+39.75	164+12.35			4	72.60	32.3	1.1	32.3	2.4	1.1	87+00	89+09.47	8	209.47			186.2	6.5		14.0	3.1		
164+12.35	165+86.79	BRIDGE LIMITS		NO	WORK						89+09.47	91+09.47	8	200.0			177.8	6.2		13.3	3.0		
165+86.79	166+65.35			4	78.56	34.9	1.2	34.9	2.6	1.2	91+09.47	104+40	8	1330.53			1182.7	41.1		88.7	19.7		
166+65.35	180+48.73			4	1383.38	614.8	21.3		46.1	20.5													
180+48.73	181+36.89			4	88.16	39.2	1.4	39.2	2.9	1.3	77+00	77+98	13AV	98.00			141.6	4.9		10.6	1.5		
181+36.89	183+15.66	BRIDGE LIMITS		NO	WORK						77+98	83+42.27	8	544.27			483.8	16.8		36.3	8.1		
183+15.66	183+78.66			4	63.00	28.0	1.0	28.0	2.1	0.9	84+11	84+45	8 AV	34.00			30.2	1.0		2.3	0.5		
183+78.66	218+50			4	3471.34	1542.8	53.6		115.7	51.4													
218+50	219+00			4	50.00	22.2	0.8	22.2	1.7	0.7	RAMP E												
219+00	235+35	CHERRY VALLEY RD.		NO	WORK						104+40	107+82.72	5.5AV	342.72			209.4	7.3		15.7	5.1		
235+35	235+85			4	50.00	22.2	0.8	22.2	1.7	0.7	107+82.72	110+70.13	3	287.41			95.8	3.3		7.2	4.3		
235+85	276+16.09			4	4031.09	1791.6	62.2		134.4	59.7	110+70.13	111+20.13	3	50.0			16.7	0.6		1.3	0.7		
276+16.09	276+91.09			4	75.00	33.3	1.2	33.3	2.5	1.1	106+99.88	107+99.88			2.5AV	100.00	27.8	1.0		2.1	1.5		
276+91.09	278+74.90	BRIDGE LIMITS		NO	WORK						107+99.88	110+70.13			3	270.25	90.1	3.1		6.8	4.0		
278+74.90	279+49.90			4	75.00	33.3	1.2	33.3	2.5	1.1	110+70.13	111+20.13			3	50.00	16.7	0.6		1.3	0.7		
279+49.90	283+89.68			4	439.78	195.5	6.8		14.7	6.5													
10+00A	13+10			4	310.00	137.8	4.8		10.3	4.6	106+01.10	106+96	13AV	94.90			137.1	4.8		10.3	1.4		
13+10	13+60			4	50.00	22.2	0.8	22.2	1.7	0.7	106+96	117+42.88	8	1046.88			930.6	32.3		69.8	15.5		
66+50	67+00	8	50.00			44.4	1.5		3.3	0.7	RAMP F												
67+00	75+14.94	8	814.94			724.4	25.2		54.3	12.1	110+86.32	111+36.32			3	50.00	16.7	0.6		1.3	0.7		
RAMP A											111+36.32	118+45			3	708.68	236.2	8.2		17.7	10.5		
75+14.94	79+00.42	5.5AV	385.48			235.6	8.2		17.7	5.7	110+86.32	111+36.32	3	50.00			16.7	0.6		1.3	0.7		
79+00.42	84+51.50	3	551.08			183.7	6.4		13.8	8.2	111+36.32	117+45	3	608.68			202.9	7.0		15.2	9.0		
											117+45	121+00	5.5AV	355.00			216.9	7.5		16.3	5.3		
RAMP AB																							
84+51.50	90+70	3	618.50			206.2	7.2		15.5	9.2	121+00	141+55	8	2055.00			1826.7	63.4		137.0	30.4		
90+70	91+03.63	3	33.63			11.2	0.4	11.2	0.8	0.5	142+75	163+39.75	8	2064.75			1835.3	63.7		137.6	30.6		
											163+39.75	164+18.73	8	78.98			70.2	2.4	70.2	5.3	1.2		
RAMP A											164+18.73	165+93.17			BRIDGE LIMITS								
78+00	79+00			2.5AV	100.00	27.8	1.0		2.1	1.5	165+93.17	166+65.35	8	72.18			64.2	2.2	64.2	4.8	1.1		
79+00	82+25			3	325.00	108.3	3.8		8.1	4.8	166+65.35	180+48.73	8	1383.38			1229.7	42.7		92.2	20.5		
											180+48.73	181+09.94	8	61.21			54.4	1.9	54.4	4.1	0.9		
RAMP B											181+09.94	182+88.71			BRIDGE LIMITS								
80+04	80+54			2.5AV	50.00	13.9	0.5		1.0	0.7	182+88.71	183+78.66	8	89.95			80.0	2.8	80.0	6.0	1.3		
80+54	83+69.47			3	315.47	105.2	3.7		7.9	4.7	183+78.66	218+50	8	3471.34			3085.6	107.1		231.4	51.4		
83+69.47	84+45			3	75.53	25.2	0.9		1.9	1.1	218+50	219+00	8	50.00			44.4	1.5	44.4	3.3	0.7		
											219+00	235+35			CHERRY VALLEY RD.								
RAMP A-B											235+35	235+85	8	50.00			44.4	1.5	44.4	3.3	0.7		
84+51.50	87+86.51			3	335.01	111.7	3.9		8.4	5.0	235+85	259+95.70	8	2410.70			2142.8	74.4		160.7	35.7		
RAMP B-B											LINE W												
87+86.51	91+00			3	313.49	104.5	3.6		7.8	4.6	259+95.70	276+16.09	8	1620.39			1440.3	50.0		108.0	24.0		
91+00	91+25			3.5AV	25.00					0.4	276+16.09	276+91.09	8	75.00			66.7	2.3	66.7	5.0	1.1		
91+25	92+37.15			4	112.15	49.8	1.7	49.8	3.7	1.7	276+91.09	278+74.90			BRIDGE LIMITS								
89+26.61	91+25	4	198.39			88.2	3.1		6.6	2.9	278+74.90	279+49.90	8	75.00			66.7	2.3	66.7	5.0	1.1		
91+25	91+48.25	4	23.25			10.3	0.4	10.3	0.8	0.3	279+49.90	281+93.80	8	243.90			216.8	7.5		16.3	3.6		
RAMP A-B											LINE B												
89+30	90+70			3	140.00	46.7	1.6		3.5	2.1	271+74.11	273+14.11			14AV	140.00	217.8	7.6		16.3	2.1		
90+70	91+03.63			3	33.63	11.2	0.4	11.2	0.8	0.5													
RAMP B																							
78+41.17	83+69.47	3	528.30			176.1	6.1		13.2	7.8	GRAND TOTALS CARRIED TO GENERAL SUMMARY							981.1	841.1	2118.4	676.1	15 23	

[illegible]

[illegible]

ITEM 644 THERMOPLASTIC														
LOCATION	STATION TO STATION Q SURVEY & CONST. S.R.16		LANE	EDGE LINE (WHITE)	EDGE LINE (YELLOW)	LANE LINE	CENTER LINE (DOUBLE YELLOW)	CHANNELIZING LINE	STOP LINE 24"	TRANSVERSE LINE (WHITE)	LANE ARROW (RIGHT)	LANE ARROW (THROUGH)	LANE ARROW (LEFT)	WORD ON PAVEMENT, 96 IN. "ONLY"
				MILE	MILE	MILE	MILE	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH
	EASTBOUND													
MAINLINE	66+50	219+00	RT	2.89	2.89	2.89								
	235+35	283+89.68B	RT	0.92	0.92	0.92								
	10+00A	12+75.70	RT	0.05	0.05	0.05								
RAMP C	71+40	86+60	RT	0.29										
	77+75	86+60	RT	0.17	0.17									
	73+95	75+87				0.04								
	75+87	77+77						380		150		1		
	86+33								35					
RAMP D	87+00	92+62			0.11									
	92+62	95+00						238						
	87+00	95+08.92		0.15										
	95+00	102+25				0.14								
RAMP G	100+70	112+56.60		0.22										
	102+25	104+00						350		115				
	104+00	112+56.60			0.16									
	112+35								30			1		
RAMP H	112+06.63	127+75.21		0.30										
	112+06.63	123+42			0.22									
	123+42	126+30						288						
	126+30	129+00				0.05								
TR 131	140+99.50 RT	142+18.50 RT						119						
	140+80 LT	142+00 LT						120						
	141+48 RT													1
	141+88 RT										1			
	141+51 LT													1
ON TR 131	141+91 LT												1	
									45					
LINE AB	267+72.36	270+00.36	LT	0.04										
	267+72.36	270+86.55					0.06							
LINE A	267+72.36	280+90		0.25										
	270+86.55	283+55			0.24									
	280+90	282+70						180						
	10+00A	12+00				0.04								
SUBTOTALS				5.28	4.76	4.13	0.06	1675	110	265	1	2	1	2

SUBTOTALS CARRIED TO SHEET 19

LOCATION	STATION TO STATION ¢ SURVEY & CONST. S.R.16		LANE	ITEM 644 THERMOPLASTIC										
				EDGE LINE (WHITE)	EDGE LINE (YELLOW)	LANE LINE	CENTER LINE (DOUBLE YELLOW)	CHANNELIZING LINE	STOP LINE 24"	TRANSVERSE LINE (WHITE)	LANE ARROW (RIGHT)	LANE ARROW (THROUGH)	LANE ARROW (LEFT)	WORD ON PAVEMENT, 96 IN. "ONLY"
				MILE	MILE	MILE	MILE	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH
MAINLINE	WESTBOUND													
	66+50	219+00	LT	2.89	2.89	2.89								
	235+35	283+89.68B	LT	0.92	0.92	0.92								
	10+00A	13+60	LT	0.07	0.07	0.07								
RAMP A	76+05	76+75				0.01								
	76+75	77+98												
	75+14.94	84+51.50		0.18				123						
	77+98	84+51.50			0.12									
RAMP AB	90+00													
	84+51.50	90+93.03	LT		0.12							1		
	84+51.50	90+93.03	RT		0.12									
	84+51.50	91+03.63		0.12										
	84+51.5	87+86.51		0.06										
	90+93							24						
RAMP B	78+41.17	84+11			0.11									
	78+41.17	87+00		0.16										
	84+11	85+86						350		145				
	85+86	87+64				0.03								
RAMP BB	89+26.61	91+48.25			0.04									
	87+86.51	92+37.15		0.09										
	90+50										1			
RAMP E	104+40	111+20.13		0.13										
	106+96	111+20.13			0.08									
	103+07	105+15				0.04								
	105+15	106+96						181						
RAMP F	110+96.32	118+10			0.14									
	110+96.32	121+00		0.19										
	118+10	120+20						420		147				
	120+20	121+82				0.03								
	110+96								35					
TR 131	143+00 RT	144+00 RT						100 RT						
	143+10 RT													
	143+41											1		
ON TR 131														1
LINE B	271+74.11	282+50			0.20									
	270+86.63	283+89.68B		0.25										
	282+50	10+35.32						350		125				
	10+00A	14+23		0.08										
	10+35.32	14+23				0.07								
HOWELL	DRIVE	CROSSOVER		0.03			0.01		20/30					
HOWELL	DRIVE								25					
SUB TOTALS SHEET 18				5.28	4.76	4.13	0.06	1675	110	265	1	2	1	2
SUB TOTALS THIS SHEET				5.17	4.81	4.06	0.01	1524	179	417	0	2	1	1
SUB TOTALS				10.45	9.57						1	4	2	
TOTALS CARRIED TO GENERAL SUMMARY				20.02		8.19	0.07	3199	289	682		7		3

ITEM 621 RAISED PAVEMENT MARKER

LOCATION	STATION TO STATION EASTBOUND		621				SPACING C/C FEET
			1-WAY WHITE EACH	2-WAY WHITE/ RED EACH	1-WAY YELLOW EACH	2-WAY YELLOW/ RED EACH	
MAINLINE	66+50	219+00		191			80
	235+35	283+89.68B		61			80
	10+00A	12+75.70		3			80
RAMP C	75+87	77+77		10			40
	77+75	86+60				11	80
RAMP D	92+62	95+00					40
	87+00	92+62				7	80
RAMP G	102+25	104+00		9			40
	104+00	112+56.60				11	80
RAMP H	123+42	126+30		7			40
	112+06.63	123+42				14	80
TR 131	140+99.50 RT	142+18.50 RT		3			40
	140+80 LT	142+00 LT		3			40
LINE A	280+90	282+70		5			40
	270+86.55	283+55				16	80
TOTALS (CARRIED TO NEXT TABLE)				298		59	

SHT LOCATION	STATION TO STATION WESTBOUND		621				SPACING C/C FEET
			1-WAY WHITE EACH	2-WAY WHITE/ RED EACH	1-WAY YELLOW EACH	2-WAY YELLOW/ RED EACH	
MAINLINE	66+50	219+00		191			80
	235+35	283+89.68B		61			80
	10+00A	13+60		5			80
RAMP A	76+75	77+98		3			40
	77+98	84+51.50				8	80
RAMP AB	84+51.50 LT	90+93.03 LT				8	80
	84+51.50 RT	90+93.03 RT				8	80
RAMP B	84+11	85+56		9			40
	78+41.17	84+11				7	80
RAMP BB	89+26.61	91+48.25				3	80
RAMP E	105+15	106+96		5			40
	106+96	111+20.13				5	80
RAMP F	118+10	120+20		5			40
	101+96.32	118+10				9	80
TR 131	143+00 RT	144+00 RT		3			80
LINE B	282+50	10+35.32		9			40
	271+74.1	282+50				14	80
TOTALS (THIS TABLE)				291		62	
TOTALS (TABLE LT.)				298		59	
TOTALS				589		121	
TOTALS CARRIED TO GENERAL SUMMARY:							
RAISED PAVEMENT MARKER CASTING, INSTALLATION ONLY (EACH)						710	
PRISMATIC RETROREFLECTOR (EACH)						710	