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COLORADO
DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. I-25-3(21)244
STATE HIGHWAY NO. 185
WELD COUNTY

SCALES OF ORIGINAL DRAWINGS
ON PLAN. 1" = 100 FT.
ON PROFILE. 1" = 10 FT. HORIZONTAL
1" = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT 37,035.4 FT. = 7.014 MI.
NET LENGTH OF PROJECT 36,570.3 FT. = 6.926 MI.

STA. 362+00 BEGIN I-25-3(21) 244-
BEGIN I-25-3(20) 244

STA. 732+00 END I-25-3(21) 244-
END I-25-3(20) 244

CONVENTIONAL SIGNS

CENTER LINE
ACROSS POINTS
COUNTY LINE
TOWNSHIP OR RANGE LINE
LAND LINES
RAILROAD
TITLE SHEET

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	I-25-3(21)244	1	

AS RECOMMENDED PLANS
RETURN TO DIST. 4 DESIGN

Weld County
Stabilization, Paving & Signing
This work done on
kindle gas during
construction



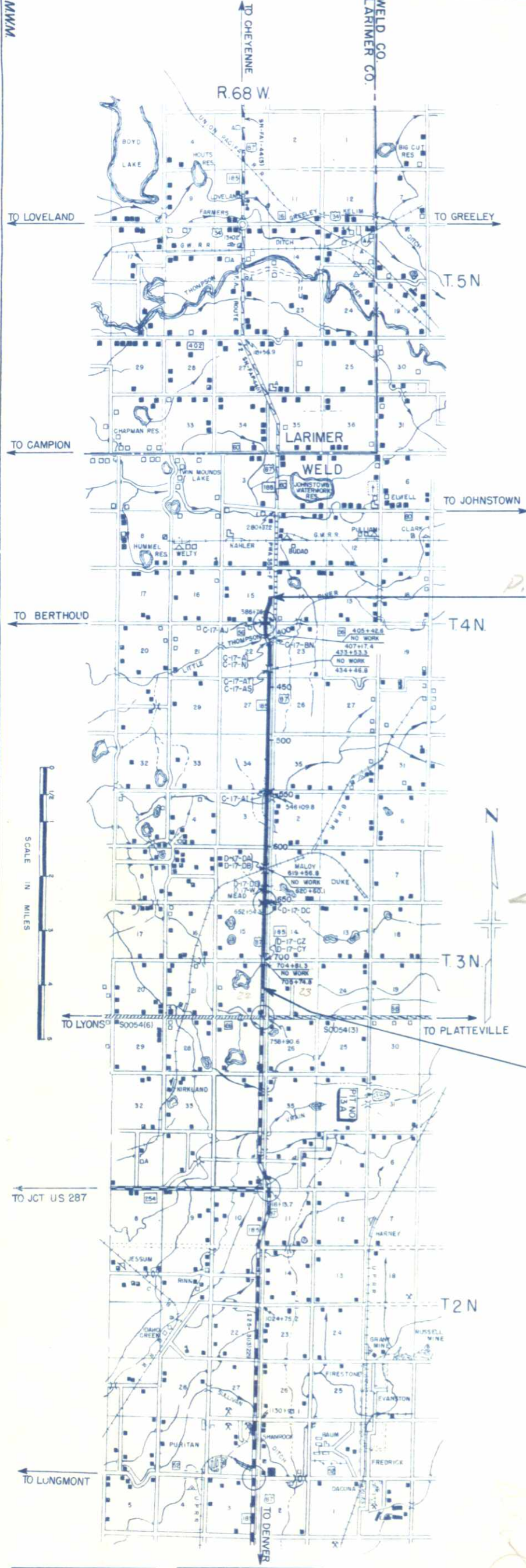
SEE SPECIAL PROVISIONS FOR NOTICE TO BIDDERS

COLORADO
DEPARTMENT OF HIGHWAYS

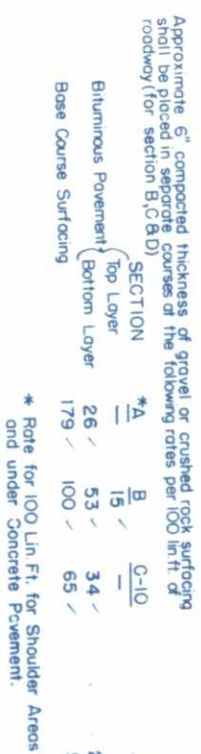
APPROVED
CHIEF ENGINEER
DATE 3-10-61

APPROVED
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
DATE

DIVISION ENGINEER



SECTION A

[illegible]

LOCATION	SECTION USED	LOCATION	SECTION USED
MAINLINE	A	INTERSECTION, STA 386+	D
362+00 to 732+00		ALL RAMPS FRONTAGE ROADS CROSSROAD	C-10 B
EAST FRONTAGE ROAD ENTIRE PROJECT	C-10	CROSSROAD, STA 434+	C-10
WEST FRONTAGE ROAD 413+00 to 494+00	C-10	INTERSECTION, STA 652+ ALL RAMPS	D

✓This project is to be constructed in conformity with the Standard Specifications of the Colorado Department of Highways, adopted January 1, 1958.

- ✓ PRIME COAT (MC) @ 0.40 Gals per sq. yd.
- PAVING ASPHALT(185-100 PENETRATION) @ 6.18 Lbs. per sq. yd. per inch
- Rate of application and grade of Asphaltic Material shall be as determined by the Engineer at time of application.
- On all bridges with the East Frontage Road, the present oil mat shall be removed and replaced with 2" of Asphaltic Surfacing
(Est 5' O Sq Yd "O" Oil Mat to be Removed)

If Extruded Aluminum Sign Panels are used on Ground Sign Structures, reference is to be made to Standards S-522-A and S-523-A(1) for an increase in the Length of the Sign Post.

The Engineer shall establish Grades and Locations for all Posts. Wood Posts shall be Set and Tamped firm and plumb. U-2 Channel Posts shall be driven plumb or set in the same manner as Wood Posts.

In computing Areas of Sign Panels, the areas shall be based on Geometrical Squares, Rectangles, or Triangles. Odd Shapes, such as Shields, Octagons, etc., are to be figured on this basis as follows:

Intericdle Shield: 3×3 or 2×2 Square.

Octagon: 2.5×2.5 Square.

"Federal Specifications, Standards and Handbooks" referred to in these plans, and Special Provisions are available from the Business Service Center, Bldg. 41, Denver Federal Center.

Military Specifications (Designated as "Mil") are available from the Air Material Command, Wright-Patterson Air Force Base, Ohio. (Attn. E.W.B.F.E.).

A 24"x52" CMP Culvert is to be placed Lt. Str. 619+50 under Frontage Road (Est 10 Cu. Yds. Uncel. Str. Exc. Miscel.; Backfill to be included in cost of pipe.)

TABULATION OF LENGTH AND DESIGN DATA

STATION	ROADWAY		NO WORK	
	LIN. FT.	LIN. FT.		
362+00 BEGIN 1-25-3(2)244 = BEGIN 1-25-3(20)244				
405+42.6 Bridge End Little Thompson River	4,342.6 ✓		174.8 ✓	
407+17.4 Bridge End	387.5 ✓			
411+04.9 BK = 410+69.5 AH	2,283.8 ✓			
433+53.3 Bridge End Separation			93.5 ✓	
434+46.8 Bridge End	18,510.0 ✓			
619+56.8 Bridge End R. N. Separation			103.3 ✓	
620+60.1 Bridge End	8,421.2 ✓			
704+81.3 Bridge End Separation			93.5 ✓	
705+74.8 Bridge End	2,625.2 ✓			
732+00 END 1-25-3(2)244 = END 1-25-3(20)244				
TOTALS	36,570.3	465.1		
SUMMARY				
ROADWAY - NET LENGTH	LIN. FT.	MILES		
NO WORK SECTIONS	36,570.3 ✓	6.926 ✓		
GROSS LENGTH	465.1 ✓	C.088 ✓		
	37,035.4 ✓	7.014 ✓		
DESIGN DATA				
MAXIMUM GRADE	4.10% ✓			
MAXIMUM DEGREE OF CURVE	1° 00' ✓			
MINIMUM N.P.S.D. - HORIZONTAL	1,270' ✓			
MINIMUM N.P.S.D. - VERTICAL	620' ✓			
MAXIMUM DESIGN SPEED	70 M.P.H. ✓			

TABULATION OF CONCRETE
PAVEMENT AND APPROACH SLABS

STATIONS	CONCRETE PAVEMENT 8" THICK 48" WIDTH		BRIDGE APPROACH SLABS	
	sq. yds.		sq. yds.	
362+00 TO 405+22.6 405+22.6 TO 405+42.6 407+17.4 TO 407+37.4	23.054 ✓		136 136	
407+37.4 TO 433+33.3 433+33.3 TO 433+53.3 434+46.8 TO 434+66.8 434+66.8 TO 619+31.8	14.034 ✓		172 172 172	
619+31.8 TO 619+56.8 620+60.1 TO 620+85.1 620+85.1 TO 704+61.3 704+61.3 TO 704+81.3	44.673		214 214 172	
705+74.8 TO 705+94.8 705+94.8 TO 732+00 ✓	13.894 ✓		172 ✓	
TOTALS	194.135		1,388	

▲ CONCRETE PAVEMENT (10" THICK)

SUMMARY OF APPROXIMATE QUANTITIES

ITEM NO.	ITEM	UNIT	PROJECT TOTALS
11	REMOVAL OF TIMBER GUARD POSTS	EACH	34
11	REMOVAL OF OIL MAT FROM BRIDGES	SQ. YD.	570
13	UNCLASSIFIED EXCAVATION	CU. YD.	1,000
13	STRIPPING	CU. YD.	70,000
14	UNCLASSIFIED STRUCTURAL EXCAVATION - MISCELLANEOUS	CU. YD.	80
17	NETTING	M GAL.	2,840
18	TON MILE OVERHAUL	TON MI.	1,724.800
23	SUB-BASE MATERIAL (CLASS 1)	TON	77,300
23	SUB-BASE MATERIAL (CLASS 2)	TON	16,000
26	GRAVEL OR CRUSHED ROCK SURFACING (GRADING C)	TON	95,700
29	ASPHALT (85 - 100 PENETRATION)	TON	1,680
30	ASPHALTIC ROAD MATERIAL MC (PRIME)	GAL.	125,000
32	PLANT MIXED ASPHALTIC SURFACING	TON	26,550
32	PLANT MIXED ASPHALTIC SHOULDER ROLL	TON	140
37	CONCRETE PAVEMENT (8" THICK)	SQ. YD.	194,140
37	CONCRETE PAVEMENT (10" THICK)	SQ. YD.	1,390
44	SIGN POSTS (4" X 4" TIMBER)	LIN. FT.	518
44	SIGN POSTS (6" X 6" TIMBER)	LIN. FT.	873
47	REINFORCING STEEL	LB	62,900
46	CONCRETE FOOTINGS (TYPE 1-C)	EACH	19
46	CONCRETE FOOTINGS (TYPE 1)	EACH	8
48	SIGN POSTS (U-2)	LIN. FT.	84
48	SIGN POSTS (W/F20 BEAM)	LIN. FT.	340
53	12 CORRUGATED METAL CULVERT PIPE	LIN. FT.	918
65	CONCRETE SLOPE & DITCH PAVING	CU. YD.	37
75	METAL PLATE GUARD FENCE (BEAM TYPE)	LIN. FT.	5,100
76	BARRIER FENCE WITH METAL POSTS	LIN. FT.	19,850
92	TIMBER GUARD POSTS	EACH	485
93	METAL EMBANKMENT PROTECTORS (TYPE 3)	LIN. FT.	52
53	24 CORRUGATED METAL CULVERT PIPE	LIN. FT.	52
149	SIGN PANELS (CLASS I)	SQ. FT.	283
149	SIGN PANELS (CLASS II)	SQ. FT.	766
149	SIGN PANELS (CLASS III)	SQ. FT.	958
STATE FORCES SIGNING & STRIPING ENTIRE PROJECT (NON-FED. AID)		LUMP SUM	•
FLASHING AMBER LIGHT (NON-FED. AID)		LUMP SUM	•
FORCE ACCOUNT (NON FEDERAL AID)		LUMP SUM	•
FURNISH & INSTALL LUMINAIRES, WIRE & POLES FOR INTERSECTION LIGHTING (WORK BY UNION R.E.A. FORCES) FURNISH & INSTALL LUMINAIRES, WIRE & POLES FOR INTERSECTION LIGHTING, (WORK BY ROUDRE VALLEY R.E.A. FORCES)		LUMP SUM	•

BARRIER FENCE REQUIREMENTS

STATION	SIDE	BARRIER FENCE	
		LIN. FT.	
409+00 TO 424+00	LT.	1,500	
413+00 TO 420+00	RT.	700	
448+00 TO 452+00	LT.	400	
458+00 TO 493+50	RT.	3,550	
468+00 TO 523+00	LT.	5,500	
534+00 TO 540+00	LT.	600	
568+00 TO 586+00	LT.	1,800	
594+00 TO 605+00	LT.	1,100	
668+00 TO 696+00	LT.	2,800	
713+00 TO 732+00	LT.	1,900	
TOTAL		19,850	

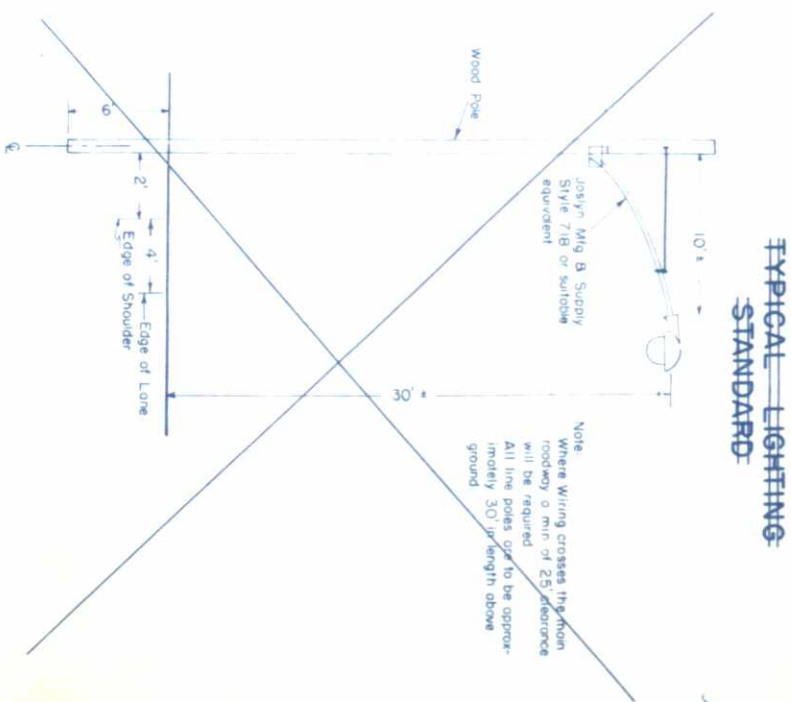
▲ BARRIER FENCE TO BE BUILT BETWEEN ARTERIAL LANES AND FRONTAGE ROADS.

TABULATION OF MEDIAN INLET PAVING

STATION	SIDE	CONC. SLOPE DITCH PAVING	
		CU. YD.	
366+15	LT.	2.6	
393+40	LT & RT	3.9	
435+00	LT & RT	2.6	
483+00	LT & RT	3.9	
619+40	LT	1.3	
631+30	LT	1.3	
641+04	LT	1.3	
642+00	LT & RT	2.6	
697+00	LT & RT	2.6	
705+96	LT & RT	2.6	
TOTAL		23.4	

32 CU YDS UNCL STR EXCAV - MISC

FED. ROAD REC. NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	1-25-3(2)244	3	



IT IS ESTIMATED THAT SUB-BASE MATERIAL AND GRAVEL SURFACING FOR THE PROJECT ARE AVAILABLE IN THE VICINITY OF THE PIT INDICATED IN THE FOLLOWING TABULATION. ESTIMATED QUANTITIES INVOLVED IN THIS OPERATION ARE SHOWN BELOW.

ALTERNATION OF THE SUB-BASE OR SURFACING PLAN, AS HERE OUTLINED, WILL BE ALLOWED ONLY ON WRITTEN PERMISSION FROM THE DEPARTMENT.

SURFACING PLAN

MATERIAL TO BE PLACED	SOURCE		QUANTITY - TONS		TON MILE OVERHAUL	
	PLANT MIX	BASE COURSE	PLANT MIX		BASE COURSE	BASE COURSE
			TOP	BOTTOM	TOP	BOTTOM
MAIN LINE	PIT NO.13A RADIEMACHER	PIT NO.13A RADIEMACHER R" = 79				
362+00 TO 405+42.6 407+17.4 TO 433+53.3 434+46.8 TO 619+56.8 620+60.1 TO 652+50 652+50 TO 704+81.3 705+74.8 TO 732+00			1,129 695 4,813 829 1,360 683	7,774 4,782 33,133 5,710 9,364 4,699	11,965 6,881 37,910 4,810 8,154 4,615	82,384 47,342 260,974 33,130 56,141 31,752
EAST FRONTAGE ROAD 362+00 TO 405+24 405+24 TO 406+24 406+24 TO 537+09.7 558+60 TO 613+80 632+50 TO 640+74 640+74 TO 641+32 641+32 TO 641+42 667+72.1 TO 689+50 695+50 TO 698+00 710+00 TO 745+22.1			1,470 32 4,449 1,877 280 19 3 740 85 1,198	2,811 8,506 3,588 536 7 1,416 163 2,289	15,595 326 39,781 12,694 1,627 109 18 4,440 540 8,300	29,822 76,056 24,266 3,114 40 8,496 1,034 15,898
WEST FRONTAGE ROAD 413+00 TO 494+00			2,754	5,265	25,527	48,801
INTERSECTION, STA. 386+ CROSSROAD 9+00 TO 11+38.5 13+61.5 TO 22+00			36 126 444	1,380 1,328 4,678	1,328 4,678	727
NORTHWEST RAMP 5+00 TO 13+02.5 EST. FOR TRANSITION			233 38	69	2,455 400	727
SOUTHWEST RAMP 0+22 TO 10+70 EST. FOR ACCEL LANE			304 45	587 83	3,203 474	6,185 874
NORTHEAST RAMP 1+50 TO 5+00 5+00 TO 13+07.8 EST. FOR ACCEL LANE			102 234 46	196 85	1,075 485	2,065 896
SOUTHEAST RAMP 0+22 TO 8+90 EST. FOR TRANSITION			252 66 92	487 121 170	2,655 695 969	5,131 1,275 1,791
CROSSROAD, STA. 434+ EST. FOR SPANDRELS			60 37	114 68	578 357	1,099 655
INTERSECTION, STA. 652+ ALL RAMP EST. FOR TRANSITIONS AND ACCEL LANES EST. FOR SPANDRELS			1,073 107 110	2,076 197 203	5,902 589 605	11,418 1,084 1,117
EST. FOR APPROACH TO PROJECT			600	1,123	6,548	12,257
TOTALS			162 26,385	95,622	1,708 218,754	765,784

SUB - BASE PLAN

MATERIAL TO BE PLACED	SOURCE PIT VALUE	THICKNESS IN INCHES	QUANTITY		OVERHAUL TON MILES
			CLASS 1 TONS	CLASS 2 TONS	
MAIN LINE	PIT NO.13A RADIEMACHER R" = 79				
362+00 TO 405+42.6 407+17.4 TO 433+53.3 434+46.8 TO 619+56.8 620+60.1 TO 652+50 652+50 TO 704+81.3 705+74.8 TO 732+00		4 4 4 4 4 4	8,338 5,129 35,340 6,125 10,044 5,040		88,361 50,778 279,933 35,538 60,218 34,056
INTERSECTION, STA. 386+ NW RAMP EST. FOR TRANSITION SW RAMP 0+22 TO 10+70 EST. FOR ACCEL LANES NE RAMP 1+50 TO 5+00 EST. FOR ACCEL LANES SE RAMP 0+22 TO 8+90 EST. FOR TRANSITION		10 10 10 10 10 10 10 10	360 1,939 375 648 290 1,606 305		3,793 20,429 3,951 6,828 3,056 16,921 3,214
INTERSECTION, STA. 652+ NW RAMP 4+45 TO 13+62 EST. FOR TRANSITION SW RAMP 0+22 TO 5+00 5+00 TO 9+95 EST. FOR ACCEL LANES NE RAMP 2+15 TO 11+24 EST. FOR ACCEL LANES SE RAMP 0+22 TO 6+00 6+00 TO 9+20 EST. FOR TRANSITION		8 8 8 10 10 8 8 10	1,000 250 521 916 250 991 150 630 592 180		5,500 1,375 2,865 5,038 1,375 5,451 825 3,465 3,256 990
ESTIMATED FOR APPROACH TO PROJECT ESTIMATED FOR SPANDRELS ESTIMATED FOR CORRECTING IRREGULARITIES IN SUBGRADE			7,022 2,611 930 1,455		29,054 5,115 67,138
TOTALS			77,238 15,999		748,523

Ø BASED ON CURVE D

TABULATION OF GUARD POSTS AND GUARD FENCE

S T A T I O N	GUARD POSTS			GUARD FENCE	
	SIDE	SPACING	NO.	LOCATION	LIN. FT.
MAIN LINE	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	4	BRIDGE BRIDGE	150 150
	LT & RT SB LT & RT NB LT & RT	CULVERT	4	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	4	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	4	BRIDGE BRIDGE	150 150
609+32 TO 618+32 618+93 TO 619+68 620+48 TO 621+23 621+73 TO 630+73 638+50 TO 646+50 651+60	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	20	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	20	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	20	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	20	BRIDGE BRIDGE	150 150
716+07 716+28 717+00 727+00	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	4	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	4	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	4	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	4	BRIDGE BRIDGE	150 150
EAST FRONTAGE ROAD	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	20	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	20	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	20	BRIDGE BRIDGE	150 150
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	20	BRIDGE BRIDGE	150 150
458+00 TO 468+00 504+00 524+00 TO 534+00	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
536+00 548+00 548+71 548+91	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
549+20 559+50 573+14 592+00	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
604+00 628+ 641+ 642+00	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
666+00 679+40 692+57 697+00	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000
	LT & RT LT & RT SB LT & RT NB LT & RT	CULVERT	2	RT SHOULDER RT SHOULDER	Δ 1,000 Δ 1,000

ENTIRE PROJECT: REMOVE 34 GUARD POSTS
Δ TANGENT
* FOR LOCATION, SEE DETAILS OF INTERSECTION.
SB = SOUTHBOUND LANES
NB = NORTHBOUND LANES

TABULATION OF GUARD POSTS AND GUARD FENCE

S T A T I O N	GUARD POSTS			GUARD FENCE	
	SIDE	SPACING	NO.	LOCATION	LIN. FT.
EAST FRONTAGE ROAD (CONTD.)	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
WEST FRONTAGE ROAD	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
428+22 442+00 TO 452+00 468+00	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
SEPARATION, STA. 546+	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
INTERCHANGE, STA. 386+	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
INTERCHANGE, STA. 652+	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
	LT & RT RT & RT LT & RT LT & RT	CULVERT CULVERT C.B.C. CULVERT	2 1 2 2		
T O T A L S					5,100

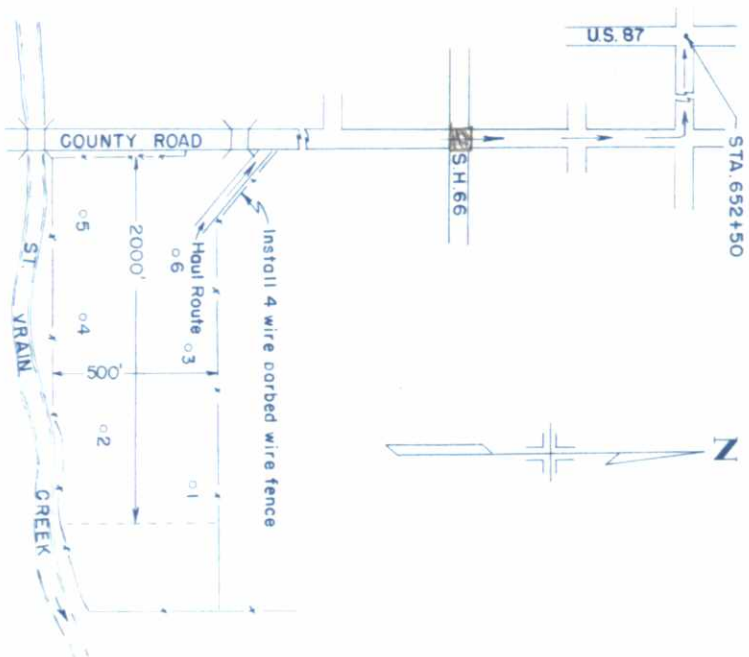
TABULATION OF ASPHALTIC SHOULDER ROLL AND EMBANKMENT PROTECTORS

STATION	SIDE	SHOULDER ROLL LIN. FT.	12" METAL EMBANKMENT PROTECTOR TYPE 3 EACH	12" CORR. METAL CURB PIPE	CONC. SLOPE & DITCH PAVING
MAIN LINE	LT		1	26	0.4
	RT		1	20	0.4
	LT	803			
	RT	453			
425+50 429+00 425+50 TO 433+53 429+00 TO 433+53 433+50 434+47 TO 438+50	LT		2	132 LT	0.8
	RT		2	138 RT	0.8
	LT	1,256			
	RT	1,023			
620+44 TO 633+00 620+47 620+77 TO 631+00 620+80 626+50 626+00 631+00 633+00 704+79	LT		1	50	0.4
	RT		1	52	0.4
	LT		1	48	0.4
	RT		1	54	0.4
INTERSECTION, STA. 386+ CROSS ROAD 13+63 16+00 TO 20+00 19+90 S. W. RAMP 0+22 TO 7+00 6+90 N. W. RAMP 9+00 TO 13+00 9+10	LT		2	44 LT	0.8
	RT		2	48 RT	0.8
	LT	800			
	RT	678			
SEPARATION, STA. 546+ CROSS ROAD 5+85 TO 8+85 6+00 10+86 13+14 13+16 TO 16+16 16+10	LT		2	112 LT	0.8
	RT		2	116 RT	0.8
	LT	600			
	RT	600			
INTERSECTION, STA. 652+ CROSS ROAD 14+37 N. W. RAMP 4+00 TO 13+62 8+60 4+10 S. W. RAMP 0+22 TO 4+50 4+40 N. E. RAMP 6+25 TO 11+25 6+35	LT		2	42 LT	0.8
	RT		2	46 RT	0.8
	LT	962			
	RT	428			
TOTALS	LT	500	1	10	0.4
	RT	500	1	10	0.4
	LT	500	1	10	0.4
	RT	500	1	10	0.4

IT IS ESTIMATED THAT 30 CU. YDS. OF MISCEL. STRUCTURAL EXCAVATION WILL BE REQUIRED TO BUILD CONCRETE APRONS.
Φ ASPHALTIC SHOULDER} = 9,309 LIN. FT. = 140 TONS.
ROLL

~~BORROW, SUB-BASE & SURFACING MATERIAL~~

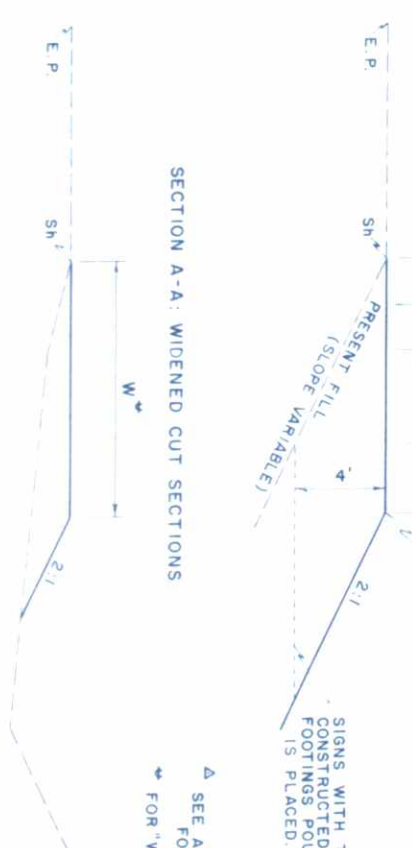
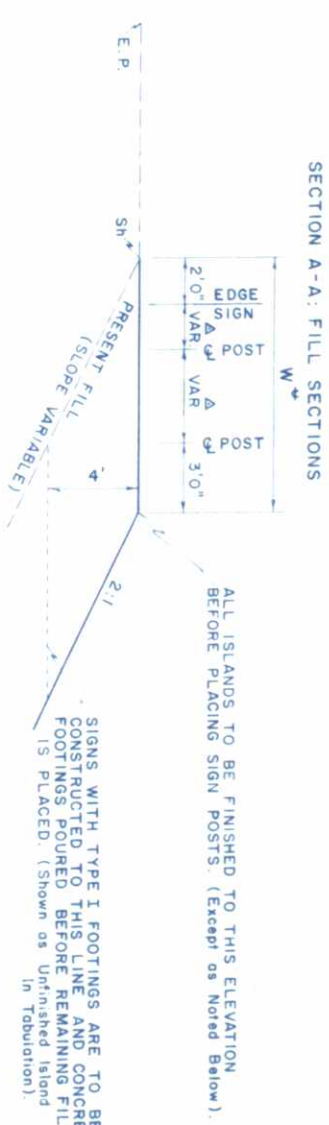
SUB-BASE MATERIAL, SURFACING MATERIAL, PLANT MIX
AGGREGATE
LOCATION: S 1/2 OF NW 1/4 Sec 31, T 3 N, R 67 W,
OWNER: T J B H RADEMACHER, RT 1 LONGMONT COLO.
QUANTITY AVAILABLE: 200,000 CU YDS.
HAUL: 29.040 FT TO STA 652+50
SAMPLE NO 2783 ✓
STRIPPING 70,000 CU YDS



TEST	DEPTH IN FEET	MATERIAL
N.O.	FROM	TO
7	0.0	6.0
		OVERBUREN
7A	6.0	12.0
		S & G
		WATER AT 6'
8	0.0	5.0
		OVERBUREN
8A	5.0	8.0
		S & M
8B	6.0	12.0
		S & G
		WATER AT 6'
9	0.0	1.5
		OVERBUREN
9A	1.5	8.0
		S & G
9B	8.0	9.0
		S & M
9C	9.0	12.0
		S & G
		WATER AT 6'
10	0.0	4.0
		OVERBUREN
10A	4.0	12.0
		S & G
		WATER AT 6'
11	0.0	3.0
		OVERBUREN
11A	3.0	19.0
		S & G
11B	10.0+	19.0
		S & M
		WATER AT 6'
12	0.0	3.5
		OVERBUREN
12A	3.5	8.0
		S & G
12B	8.0	10.0+
		S & M
		WATER AT 6'

TEST NO.	DEPTH IN FEET		MATERIAL
	FROM	TO	
1	0.0	2.0	OVERBURDEN
2	2.0	3.0	SANDY SILT
1A	3.0	12.0	SAND & GRAVEL
1B	WATER AT 4'		
2	12.0	2.5	OVERBURDEN
2A	2.5	9.0	S&G
2B	9.0	4	SILT & CLAY
3	0.5	2.0	OVERBURDEN
3A	2.0	12.0	S&G
3B	12.0	4	S&G
4	0.0	4.0	OVERBURDEN
4A	4.0	8.0	S&G
4B	8.0	9.0	SILT
5	0.0	2.0	OVERBURDEN
5A	2.0	4.5	SILT
5B	4.5	12.0	S&G
6	0.0	11.0	OVERBURDEN
6A	11.0	4	SAND
	WATER AT 5'		

PLAN



SIGN ISLAND WIDTH "W"		
SIGN NO.	FINISHED ISLAND	UNFIN. ISLAND
4	11'0"	
12	9'6"	
13	9'6"	
17	9'6"	
18		14'0"
20		14'0"
23	9'6"	
24		
29	11'0"	12'6"
37		
46	14'0"	14'0"
53	12'6"	
54	13'6"	
57	11'0"	
64	11'0"	
71	9'6"	
87	11'0"	
90	11'0"	
93	12'6"	
101	12'6"	

ESTIMATED 1,000 CU YDS UNCL
EXCAV TO CONSTRUCT ISLANDS
AND REMOVE TEMP CONNECTIONS

Had's Corner
Barthol

[illegible]

LEGEND

Metal Plate Guard Fence (Beam Type)

Guard Posts

Edge of Paved Shoulders

Edge of Driving Surface

Ramp Control Line

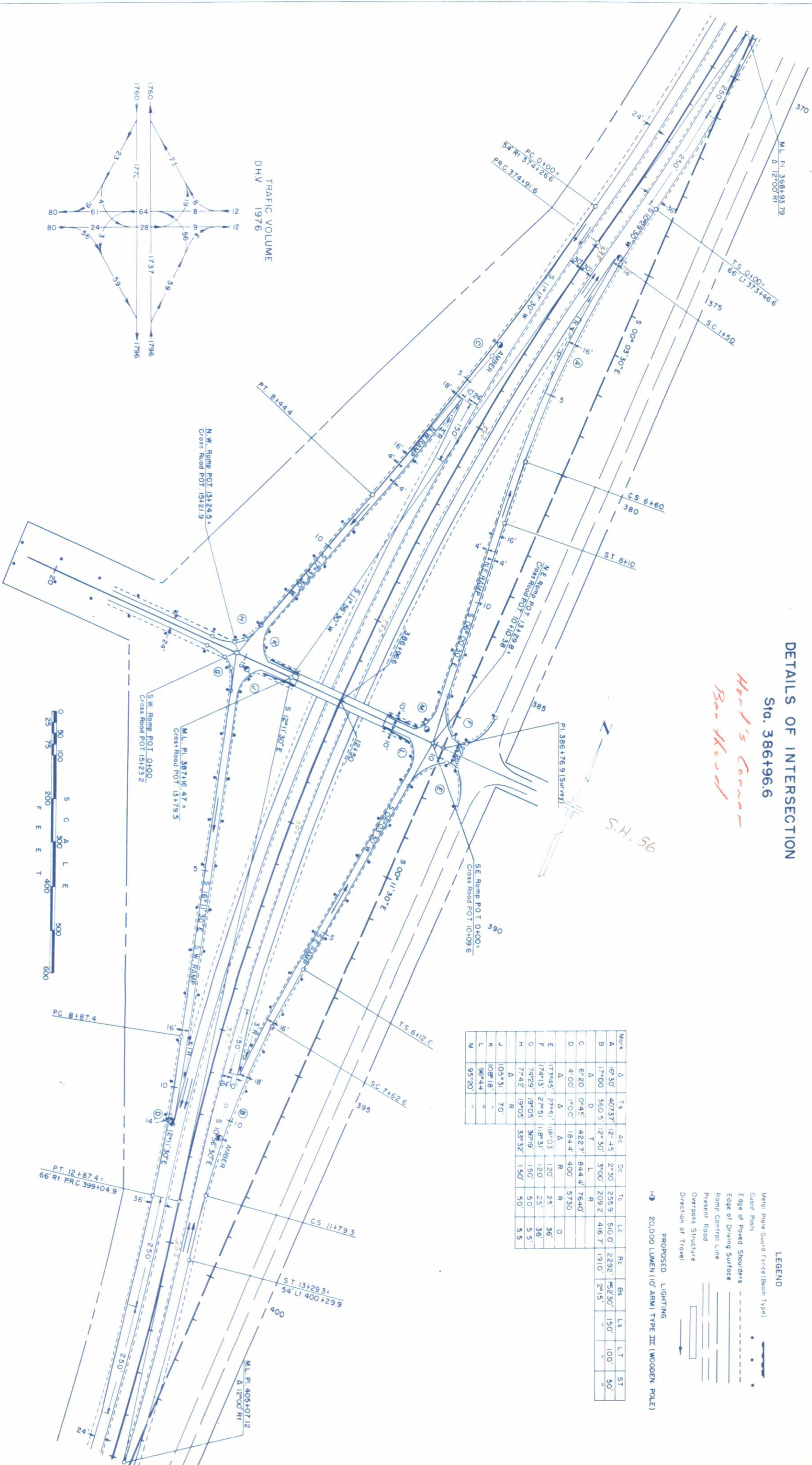
Present Road

Overpass Structure

Direction of Travel

PROPOSED LIGHTING

20,000 LUMEN (10° AIRM) TYPE III (WOODEN POLE)



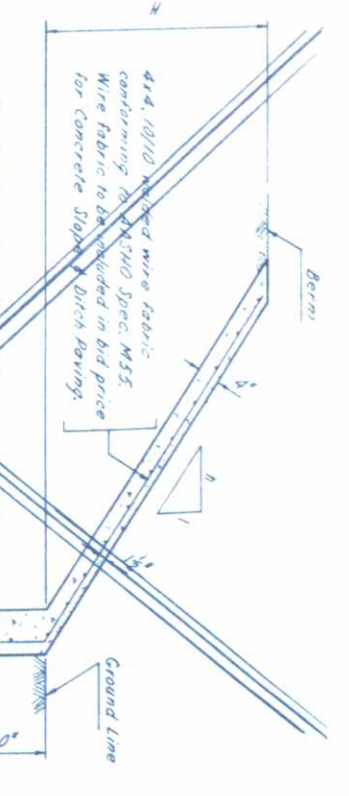
Meal Function



FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	I-25-3(21)244	8	

[illegible]

REV. NO.	DIVISION	PROJECT NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	1-25-3(2) 2-4	19	



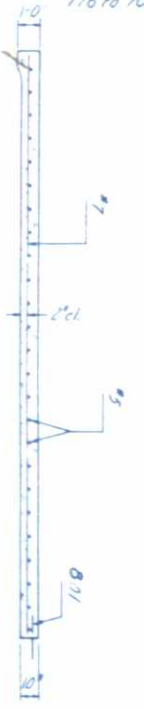
Pneumatically applied mortar or concrete 4" thick may be used in the ditch paving.

CONCRETE SLOPE & DITCH PAVING DETAIL

SUMMARY OF QUANTITIES		
Structure No.	Item No.	Item Description
W	h	Slope & Ditch Paving, 1/2" Ex. Btg.

GENERAL NOTES
All work shall be done according to the Standard Specifications of the Colorado Department of Highways applicable to the project.
Air Entrained as specified.
All reinforcing steel shall conform to ASTM Specification A 305-30T or the latest revision thereof, and shall be Intermediate Grade steel of a deformed type. Each bar shall be tagged with the number designation and the station number of the project.

TYPICAL SLAB SECTION



COLORADO
DEPARTMENT OF HIGHWAYS

APPROACH SLAB, END
SLOPE AND DITCH PAVING,
DETAILS AND QUANTITIES

Drawn by
Checked by
Designed by
Made by

SH-105

J.G.G.

J.G.G.

J.G.G.

Sec.

Sec.

Sec.

Sec.

Approved by

Approved by

Approved by

Approved by

10/20/61

10/20/61

10/20/61

10/20/61

BAR LIST ~ 60° SKEW		
Mark	Size	Length
506	8"φ	21 37'-6" S/R
505	8"φ	20 37'-6" S/R
504	8"φ	20 37'-6" S/R
503	8"φ	20 37'-6" S/R
502	8"φ	20 37'-6" S/R
501	8"φ	20 37'-6" S/R
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188	8"φ	20 37'-6" S/R
187	8"φ	20 37'-6" S/R
186	8"φ	20 37'-6" S/R
185	8"φ	20 37'-6" S/R
184	8"φ	20 37'-6" S/R
183	8"φ	20 37

TABULATION OF GROUND SIGNS

SIGN NO.	SIGN CODE	STATION	SIGN PANEL SIZE	SIGN PANEL MATERIAL	LEGEND AND BORDER	BACK-GROUND	NO. OF POSTS	LENGTH OF POST	POST TYPE						SIGN PANEL			CONCRETE FOOTING			
									LIN. FT.						SQ. FT.			NO.			
									U-2	4"x4" TIMBER	6"x6" TIMBER	6 WF 20 BEAM	8 WF 20 BEAM	10 WF 20 BEAM	CLASS			TYPE			
															I	II	III	I-C	I	II	III
1	IR-101-A	1+50 NE RAMP	48" TRIANG G-V	ALUM	STENCIL BLACK	REFL YELLOW	1	16'			16					10.83					
2	IR-119-A	378+00	48" DIAMOND G-V	"	"	"	2	16'			32					16.00					
3	W-113	381+50 FRONTAGE RD.	30" DIAMOND	METAL	"	"	1	14'		14					6.25						
4	SPECIAL	10+50 CROSSROAD	8' x 7'	ALUM	CUTOUT WHITE	PLAIN GREEN	2	12'-5"				24.83					56.00	2			
5	R-1	386+30 FRONTAGE RD.	30" OCTAGON	METAL	REFL WHITE	REFL RED	1	14'		14					6.25						
6	SPECIAL	8+40 CROSSROAD	4' x 2'	ALUM	CUTOUT WHITE	PLAIN GREEN	1	14'			14					8.00 ^A					
7	SPECIAL	8+30 CROSSROAD	4' x 2'	"	"	"	1	14'			14					8.00 ^A					
8	R-1	387+60 FRONTAGE RD.	30" OCTAGON	METAL	REFL WHITE	REFL RED	1	14'		14					6.25						
9A	R-15	0+50 SE RAMP	2' x 2'	"	STENCIL BLACK	REFL WHITE									4.00						
9B	R-16-L	"	3' x 1'	"	"	"	1	14'		14					3.00						
9C	R-16-R	"	3' x 1'	"	"	"									3.00						
10A	R-15	"	2' x 2'	"	"	"									4.00						
10B	R-16-L	"	3' x 1'	"	"	"	1	14'		14					3.00						
10C	R-16-R	"	3' x 1'	"	"	"									3.00						
11	R-1	0+60 SE RAMP	30" OCTAGON	"	REFL WHITE	REFL RED	1	14'		14					6.25						
12	SPECIAL	11+00 CROSSROAD	6'x5' 6-11	ALUM	CUTOUT WHITE	PLAIN GREEN	2	17'			34					30.00					
13	SPECIAL	2+90 SE RAMP	6'x5' 6-11	"	"	"	2	17'			34					30.00					
14	W-113	393+00 FRONTAGE RD.	30" DIAMOND	METAL	STENCIL BLACK	REFL YELLOW	1	14'		14					6.25						
15	W-113	4+80 SE RAMP	"	"	"	"	1	14'		14					6.25						
16	SPECIAL	8+10 SE RAMP	4'x5' 6-1	ALUM	"	"	1	17'			17					20.00					
17	IM-106-E-60*	395+50	6'x5' 6-11	"	CUTOUT WHITE	PLAIN GREEN	2	17'			34					30.00					
18	SPECIAL	403+00	12'x8'	"	"	"	2	13'-11"				27.83					96.00	2			
19	SPECIAL	372+50	12'x8'	"	"	"	2	13'-11"				27.83					96.00	2			
20	IM-106-E-60*	380+10	6'x5' 6-11	"	"	"	2	17'			34					30.00					
21	SPECIAL	6+10 NW RAMP	4'x5' 6-1	"	STENCIL BLACK	REFL YELLOW	1	17'			17					20.00					
22	W-113	8+00 NW RAMP	30" DIAMOND	METAL	"	"	1	14'		14					6.25						
23	SPECIAL	10+00 NW RAMP	6'x5' 6-11	ALUM	CUTOUT WHITE	PLAIN GREEN	2	17'			34					30.00					
24	SPECIAL	13+90 CROSSROAD	8'x6'	"	"	"	2	11'-11"				23.83					48.00	2			
25	R-1	12+50 NW RAMP	30" OCTAGON	METAL	REFL WHITE	REFL RED	1	14'		14					6.25						
26A	R-15	12+60 NW RAMP	2'x2'	"	STENCIL BLACK	REFL WHITE									4.00						
26B	R-16-L	"	3'x1'	"	"	"	1	14'		14					3.00						
26C	R-16-R	"	3'x1'	"	"	"									3.00						
27A	R-15	"	2'x2'	"	"	"									4.00						
27B	R-16-L	"	3'x1'	"	"	"	1	14'		14					3.00						
27C	R-16-R	"	3'x1'	"	"	"									3.00						
28A	SPECIAL	21+00 SH 56	7'-6" x 9"	ALUM	REFL WHITE	REFL BLUE									1.13 ^B						
28B	IM-1-A-25	"	24"x24" SHIELD	"	REFL WHITE	REFL RD & BLU	1	18'			18				4.00						
28C	SPECIAL	"	28"x24" SHIELD	"	STENCIL BLACK	REFL WHITE									4.67						
29	SPECIAL	14+60 CROSSROAD	10'x10'	"	CUTOUT WHITE	PLAIN GREEN	2	15'-5"				30.83					100.00	2			
30	W-2-B-56	13+80 CROSSROAD	1'-4"x1'-6"	METAL	STENCIL BLACK	REFL WHITE	1	12'	12						2.00						
31	IM-119-A	394+50	48" DIAMOND G-V	ALUM	"	REFL YELLOW	2	16'			32					16.00					
32	IR-101-A	10+70 SW RAMP	48" TRIANG G-V	"	"	"	1	16'			16					10.83					
33	DELETED																				
34	DELETED																				
35A	SPEC.	408+00	2'-6" x 1'-3"	"	REFL WHITE	REFL BLUE										3.13 ^B					
35B	IM-1-A-25	"	36"x36" SHIELD	"	"	REFL RD & BLU	1	19'			19					9.00					
35C	SPECIAL	"	35"x30" SHIELD	"	STENCIL BLACK	REFL WHITE										7.29					
36	IR-102-70	415+00	4'x5' 6-1	"	"	"	1	17'			17					20.00					
37	SPECIAL	425+00	12'x5'	"	CUTOUT WHITE	PLAIN GREEN	2	10'-11"				21.83					60.00	2			
38	W-107	429+00 FRONTAGE RD.	30" DIAMOND	METAL	STENCIL BLACK	REFL YELLOW	1	14'		14					6.25						
39	R-21	434+20 UNDERPASS	1'x1'-6"	"	PLAIN RED	PLAIN WHITE	1	12'	12						1.50						
40	SPECIAL	433+80 UNDERPASS	4'x5' 6-1	ALUM	STENCIL BLACK AND REFL WHITE	REFL WHITE AND REFL YELLOW & BLK	1	17'			17					20.00					
41	SPECIAL	434+20 UNDERPASS	4'x5' 6-1	"	STENCIL BLACK AND REFL WHITE	REFL WHITE AND REFL YELLOW & BLK	1	17'			17					20.00					
42	R-1	434+30 CROSSROAD	30" OCTAGON	METAL	REFL WHITE	REFL RED	1	14'		14					6.25						
43	R-1	433+70 CROSSROAD	30" OCTAGON	"	"	"	1	14'		14					6.25						
44	R-21	433+80 UNDERPASS	1'x1'-6"	"	PLAIN RED	PLAIN WHITE	1	12'	12						1.50						
45	W-107	439+00 FRONTAGE RD.	30" DIAMOND	"	STENCIL BLACK	REFL YELLOW	1	14'		14					6.25						
46	SPECIAL	449+00	12'x8'	ALUM	CUTOUT WHITE	PLAIN GREEN	2	13'-11"				27.83					96.00	2			
47	DELETED																				
48	W-113	541+50 FRONTAGE RD.	30" DIAMOND	METAL	STENCIL BLACK	REFL YELLOW	1	14'		14					6.25						
49	R-1	545+70 FRONTAGE RD.	30" OCTAGON	"	REFL WHITE	REFL RED	1	14'		14					6.25						
50	R-1	546+50 FRONTAGE RD.	"	"	"	"	1	14'		14					6.25						
51	W-113	551+00 FRONTAGE RD.	30" DIAMOND	"	STENCIL BLACK	REFL YELLOW	1	14'		14					6.25						
52	W-106	546+30 CROSSROAD	"	"	"	"	1	14'		14					6.25						
53	SPECIAL	591+00	10'x5'	ALUM	CUTOUT WHITE	PLAIN GREEN	2	10'-11"				21.83					50.00	2			
54	"	612+00	14'x5'	"	"	"	2	10'-11"				21.83					70.00	2			
55	IR-102-70	622+00	4'x5' 6-1	"	STENCIL BLACK	REFL WHITE	1	17'			17					20.00					
56A	SPEC.	632+00	2'-6" x 1'-3"	"	REFL WHITE	REFL BLUE										3.13 ^B					
56B	IM-1-A-25	"	36"x36" SHIELD	"	"	REFL RD & BLU	1	19'			19					9.00					
56C	SPECIAL	"	35"x30" SHIELD	"	STENCIL BLACK	REFL WHITE										7.29					
57	"	635+00	8'x5'	"	CUTOUT WHITE	PLAIN GREEN	2	16'			32					40.00					

TABULATION OF GROUND SIGNS

SIGN NO	SIGN CODE	STATION	SIGN PANEL SIZE	SIGN PANEL MATERIAL	LEGEND AND BORDER	BACK-GROUND	NO OF POSTS	LENGTH OF POST	POST TYPE						SIGN PANEL			CONCRETE FOOTING		
									LIN FT						SQ FT			NO		
									U-2	4"x4" TIMBER	6"x6" TIMBER	6WF20 BEAM	8WF20 BEAM	10WF20 BEAM	CLASS			TYPE		
									I	II	III	I-C	I	II	I	II	III	I-C	I	II
58	DELETED																			
59	DELETED																			
60	IR-101-A	2+20 NE RAMP	48" TRIANG G-V	ALUM	STENCIL BLACK	REFL YELLOW	1	16'			16					10.83				
61	IM-119-A	646+50	48" DIAMOND G-V	"	"	"	2	16'			32					16.00				
62	W-113	8+00 FRONTAGE RD.	30" DIAMOND	METAL	"	REFL WHITE	1	14'		14						6.25				
63	R-1	10+60 FRONTAGE RD.	30" OCTAGON	"	"	REFL RED	1	14'		14						6.25				
64	SPECIAL	13+30 CROSSROAD	8'x7'	ALUM	CUTOUT WHITE	PLAIN GREEN	2	12'-5"				24.83					56.00	2		
65	R-21	13+90 CROSSROAD	1'x1'-6"	METAL	PLAIN RED	PLAIN WHITE	1	12'	12							1.50				
66	SPECIAL	11+30 CROSSROAD	4'x2'	ALUM	CUTOUT WHITE	PLAIN GREEN	1	14'			14					8.00 ^A				
67	R-1	0+50 FRONTAGE RD.	30" OCTAGON	METAL	REFL WHITE	REFL RED	1	14'		14						6.25				
68A	R-15	0+50 SE RAMP	2'x2'	"	STENCIL BLACK	REFL WHITE										4.00				
68B	R-16-L	"	3'x1'	"	"	"	1	14'		14						3.00				
68C	R-16-P	"	3'x1'	"	"	"										3.00				
69A	R-15	"	2'x2'	"	"	"										4.00				
69B	R-16-L	"	3'x1'	"	"	"	1	14'		14						3.00				
69C	R-16-R	"	3'x1'	"	"	"										3.00				
70	R-1	0+60 SE RAMP	30" OCTAGON	"	REFL WHITE	REFL RED	1	14'		14						6.25				
71	SPECIAL	13+20 CROSSROAD	6'x5' G-11	ALUM	CUTOUT WHITE	PLAIN GREEN	2	17'			34					30.00				
72	"	2+70 SE RAMP	4'x2'-6"	"	"	"	1	14'			14					10.00 ^A				
73	W-113	4+50 FRONTAGE RD.	30" DIAMOND	METAL	STENCIL BLACK	REFL YELLOW	1	14'		14						6.25				
74	"	4+80 SE RAMP	"	"	"	"	1	14'		14						6.25				
75	SPECIAL	8+80 SE RAMP	4'x5' G-1	ALUM	"	"	1	17'			17					20.00				
76	IM-106-E-60	661+00	6'x5' G-11	"	CUTOUT WHITE	PLAIN GREEN	2	17'			34					30.00				
77	"	644+00	"	"	"	"	2	17'			34					30.00				
78	SPECIAL	5+10 NW RAMP	4'x5' G-1	"	STENCIL BLACK	REFL YELLOW	1	17'			17					20.00				
79	W-113	9+00 NW RAMP	30" DIAMOND	METAL	"	"	1	14'		14						6.25				
80	SPECIAL	11+10 NW RAMP	4'x2'-6"	ALUM	CUTOUT WHITE	PLAIN GREEN	1	14'			14					10.00 ^A				
81	"	17+80 CROSSROAD	4'x5'	"	"	"	1	11'-11"				11.92					24.00	1		
82	R-1	13+30 NW RAMP	30" OCTAGON	METAL	REFL WHITE	REFL RED	1	14'		14						6.25				
83A	R-15	13+40 NW RAMP	2'x2'	"	STENCIL BLACK	REFL WHITE										4.00				
83B	R-16-R	"	3'x1'	"	"	"	1	14'		14						3.00				
83C	R-16-L	"	3'x1'	"	"	"										3.00				
84A	R-15	"	2'x2'	"	"	"										4.00				
84B	R-16-R	"	3'x1'	"	"	"	1	14'		14						3.00				
84C	R-16-L	"	3'x1'	"	"	"										3.00				
85	SPECIAL	22+00 CROSSROAD	4'x1'-6"	ALUM	CUTOUT WHITE	PLAIN GREEN	1	13			13					6.00 ^A				
86	R-21	17+00 CROSSROAD	1'x1'-6"	METAL	PLAIN RED	PLAIN WHITE	1	12'	12							1.50				
87	SPECIAL	17+80 CROSSROAD	8'x7'	ALUM	CUTOUT WHITE	PLAIN GREEN	2	12'-5"				24.83					56.00	2		
88	IM-119-A	659+60	48" DIAMOND G-V	"	STENCIL BLACK	REFL YELLOW	2	16'			32					16.00				
89	IR-101-A	9+80 SW RAMP	48" TRIANG G-V	"	"	"	1	16'			16					10.83				
90	SPECIAL	670+00	8'x5'	"	CUTOUT WHITE	PLAIN GREEN	2	16'			32					40.00				
91A	SPEC	674+00	2'-6" X 1'-3"	"	REFL WHITE	REFL BLUE										3.13				
91B	IM-1-A-25	"	36"x36" SHIELD	"	REFL WHITE	NO. 28 BLU	1	19'			19					9.00 ^B				
91C	SPECIAL	"	35"x30" SHIELD	"	STENCIL BLACK	REFL WHITE										7.29				
92	IR-102-70	684+00	4'x5' G-1	"	"	"	1	17'			17					20.00				
93	SPECIAL	697+00	10'x8'	"	CUTOUT WHITE	PLAIN GREEN	2	13'-11"				27.83					60.00	2		
94	W-106	700+00 FRONTAGE RD.	30" DIAMOND	METAL	STENCIL BLACK	REFL YELLOW	1	14'		14						6.25				
95	R-1	705+00 CROSSROAD	30" OCTAGON	"	REFL WHITE	REFL RED	1	14'		14						6.25				
96	R-1	705+60 CROSSROAD	30" OCTAGON	"	"	"	1	14'		14						6.25				
97	R-21	705+10 UNDERPASS	1'x1'-6"	"	PLAIN RED	PLAIN WHITE	1	12'	12							1.50				
98	R-21	705+50 UNDERPASS	1'x1'-6"	"	"	"	1	12'	12							1.50				
99	SPECIAL	705+50 CROSSROAD	4'x5' G-1	ALUM	STENCIL BLACK AND REF WHITE	REFL WHITE REF. YELLOW & BLACK	1	17'			17					20.00				
100	W-106	711+00 FRONTAGE RD.	30" DIAMOND	METAL	STENCIL BLACK	REFL YELLOW	1	14'		14						6.25				
101	SPECIAL	714+00	10'x5'	ALUM	CUTOUT WHITE	PLAIN GREEN	2	10'-11"				21.83					50.00	2		
102	IR-102-70	729+00	4'x5' G-1	"	STENCIL BLACK	REFL WHITE	1	17'			17					20.00				
TOTALS									84	518	873	339.71			282.05	755.58	938.00	19	8	

^A SEE STANDARD S-523-A SHEET 1 FOR BACKING ANGLES.
^B SEE SHEET NO 23 FOR MOUNTING DETAILS.

NOTE: ALL SIGNS DENOTED AS METAL MAY BE EITHER STEEL OR ALUMINUM.

ALL "INTERSTATE SHIELDS" SHALL COMPLY WITH DIMENSIONAL DRAWINGS, SPECIFICATIONS AND COLORS AS CONTAINED IN "THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS MANUAL FOR SIGNING AND PAVEMENT MARKINGS OF THE NATIONAL SYSTEM OF INTERSTATE AND DEFENSE HIGHWAYS."