

X

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	C 44-0131-II	1	

REV. 3/20/63 INDEX OF SHEETS - R.L.M.
Wolcott - North

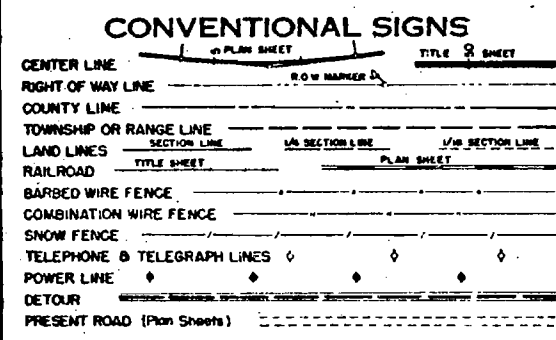
COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED COLORADO PROJECT NO. C 44-0131-II STATE HIGHWAY NO. 131 EAGLE COUNTY

INDEX OF SHEETS

SHEET NO.

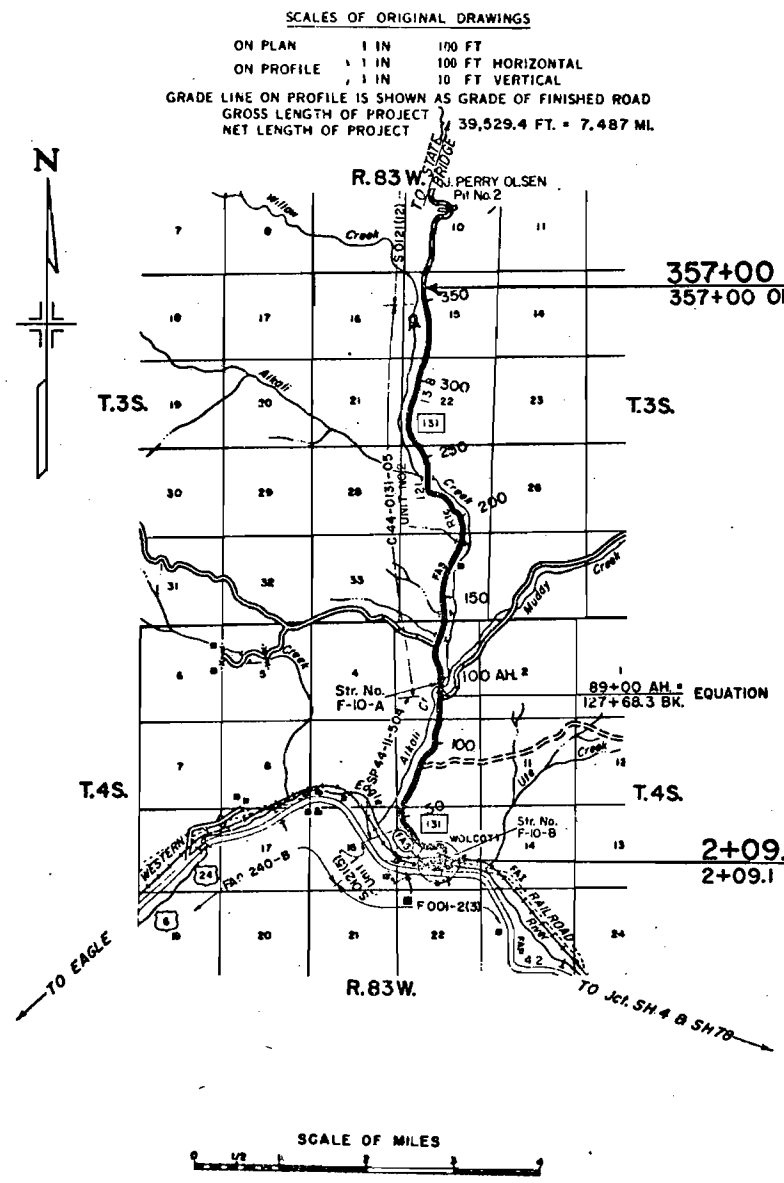
1. TITLE PAGE, SKETCH MAP & TABULATION OF LENGTH AND DESIGN DATA.
2. TYPICAL SECTION OF IMPROVEMENT & GENERAL NOTES.
3. SUMMARY OF APPROXIMATE QUANTITIES.
4. STRUCTURE QUANTITIES.
5. PIT SKETCH, SURFACING PLAN, SUMMARY OF EARTHWORK QUANTITIES, DETAIL OF ASPHALTIC PAVING & FENCING REQUIREMENTS.
6. SUMMARY OF SOIL PROFILE TESTS & DELINEATORS.
7. PLAN & PROFILE SHEET.
8. CROSS SECTION FOR STRUCTURE.
- 9-15. CROSS SECTIONS FOR GRADING.
- M-1-D. SUPERELEVATION AND WIDENING OF CURVES - CROWNED HIGHWAYS. 5/1/62
- M-2-A. APPROACH ROADS, FLARING, CUT SLOPE TREATMENT, BRIDGE & CREST WIDENING. 5/1/62
- M-5-A. LETTERS AND FIGURES FOR STRUCTURE NUMBERS. 5/1/62
- M-6-B. CONSTRUCTION TRAFFIC SIGNS. (2 SHEETS) 1/14/63
- M-13-A. DITCH TYPES. 5/1/62
- M-16-A. BACKFILL AROUND STRUCTURES. 5/1/62
- M-46-C. SINGLE AND DOUBLE CONCRETE BOX CULVERTS. 5/1/62
- M-46-E. WINGWALLS FOR CONCRETE BOX CULVERTS. 5/1/62
- M-93-A. EMBANKMENT PROTECTORS. 5/1/62
- M-192-A. DELINEATORS. 2/26/63
- M-76-A. WIRE FENCES AND GATES. (2 SHEETS) 2/11/63



TABULATION OF LENGTH & DESIGN DATA

STATION	ROADWAY LIN. FT.	CBC LIN. FT.
2+09.1 BEGIN C 44-0131-II = 2+09.1 BEGIN S 0121(5) UNIT 1	1,871.5	
20+80.6 Bk. = EQUATION 18+33.6 Ah.	2,416.4	
42+50 END S 0121(5) UNIT 1 = 42+50 BEGIN SP 44-II-504	8,518.3	
127+68.3 (K LINE) Bk. = EQUATION 89+00 (K LINE) Ah.	18.0	28.0
89+18.0 BEGIN CBC F-10-A 89+46.0 END CBC	13.5	
89+59.5 END SP 44-II-504 = 89+59.5 BEGIN C 44-0131-05 UNIT 2	10,521.5	
194+81.0 (PROJ.) Bk. = EQUATION 194+92.5 (Z LINE) Ah.	1,374.4	
208+66.9 (Z LINE) Bk. = EQUATION 208+11.1 (K LINE) Ah.	1,654.3	
224+65.4 (PROJ.) Bk. = EQUATION 224+72.0 (K LINE) Ah.	1,013.0	
234+85.0 (K LINE) Bk. = EQUATION 235+78.4 (B LINE) Ah.	2,862.9	
264+41.3 (B LINE) Bk. = EQUATION 264+41.3 (H LINE) Ah.	3,949.6	
303+90.9 (H LINE) Bk. = EQUATION 304+12.0 (B LINE) Ah.	3,131.8	
335+43.8 (B LINE) Bk. = EQUATION 335+43.8 (K LINE) Ah.	1,256.2	
348+00 END C 44-0131-05 UNIT 2 = 348+00 BEGIN S 0121(12)	900.0	
357+00 END C 44-0131-II = 357+00 ON S 0121(12)		
TOTAL	39,501.4	28.0
SUMMARY	LIN. FT.	MILES
ROADWAY	39,501.4	7.482
CBC	28.0	0.005
GROSS & NET LENGTH OF PROJECT	39,529.4	7.487
DESIGN DATA		
MAXIMUM DEGREE OF CURVE	24°	
MAXIMUM GRADE	7%	
MINIMUM HORIZONTAL S. S. D.	210'	
MINIMUM VERTICAL S. S. D.	325'	
MAXIMUM DESIGN SPEED	30 MPH.	

R.O.W. PURCHASED UNDER PREVIOUS PROJECTS.



357+00 END C 44-0131-II =
357+00 ON S 0121(12)

2+09.1 BEGIN C 44-0131-II =
2+09.1 BEGIN S 0121(5) (Unit 1)

1 set to Bobey

SEE SPECIAL PROVISIONS FOR NOTICE TO BIDDERS

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: *Frank J. [Signature]* 2-28-63
CHIEF ENGINEER DATE

FILE #	LOC. + CASE	DOC. COUNT	PAGE	ADD'L PAGE
03	401	1	1	6

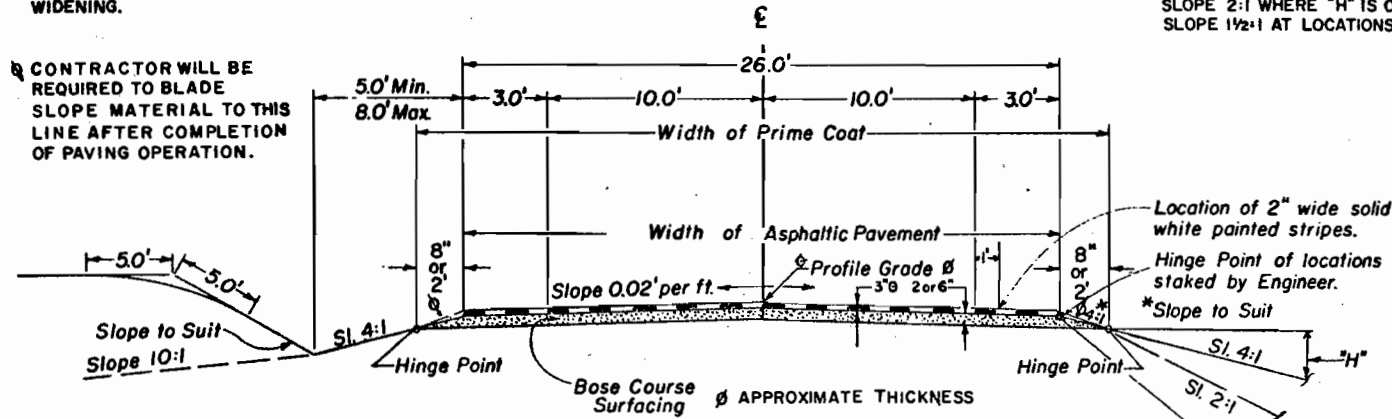
C 44-0131-II

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	C 44-0131-11	2	

TYPICAL CROSS SECTION OF IMPROVEMENT

NOTE
SEE STANDARD M-2-A FOR DETAILS OF CUT SLOPE TREATMENT, FLARING AND WIDENING.

CONTRACTOR WILL BE REQUIRED TO BLADE SLOPE MATERIAL TO THIS LINE AFTER COMPLETION OF PAVING OPERATION.



EXCAVATION BELOW 4:1 SLOPE AND/OR 10:1 SLOPE WILL NOT BE PERMITTED.

THE DEPTH AND WIDTH OF THE SIDE DITCH SHALL BE VARIED WHERE NECESSARY IN ORDER TO PROVIDE PROPER DRAINAGE AND/OR ENTRANCE TO DRAINAGE STRUCTURES.

PROFILE GRADE SHALL BE THE COMBINED THICKNESS OF BASE COURSE AND PLANT MIXED ASPHALTIC SURFACING ABOVE EXISTING ROADWAY IN THE AREA WHERE THE WORK CONSISTS OF SHAPING AND COMPACTING ROADBED STA. 2+09.1 TO 117+BK. AND 101+AH. TO 337+. THE AREA FROM STA. 117+BK. TO 101+AH. WILL BE GRADED ACCORDING TO THE PLAN AND PROFILE SHEET NO. 7.

NOTE

BOTTOM LAYER OF BITUMINOUS SURFACING SHALL BE COMPLETED FOR THE FULL WIDTH BEFORE TOP LAYER OF BITUMINOUS SURFACING IS PLACED. PAVING JOINTS IN TOP LAYER WILL OVERLAP MIN. 1 FT. OVER JOINTS IN BOTTOM LAYER.

FILL SLOPES:

SLOPE 4:1 WHERE "H" IS 3' OR LESS
SLOPE 2:1 WHERE "H" IS OVER 3'
SLOPE 1 1/2:1 AT LOCATIONS STAKED BY ENGINEER

APPROXIMATE 5"-9" COMPACTED THICKNESS OF GRAVEL OR CRUSHED ROCK SURFACING SHALL BE PLACED IN SEPARATE COURSES AT THE FOLLOWING RATES PER 100 LIN. FT. OF ROADWAY:

ASPHALTIC PAVEMENT	TOP LAYER	23 TONS
	BOTTOM LAYER	23 TONS
BASE COURSE SURFACING	2" THICK	30 TONS
	6" THICK	94 TONS

GENERAL NOTES

THIS PROJECT IS TO BE CONSTRUCTED IN CONFORMITY WITH THE STANDARD SPECIFICATIONS OF THE COLORADO DEPARTMENT OF HIGHWAYS, ADOPTED JANUARY 1, 1958. FOR ALIGNMENT SEE PROJECT NOS. S 0121(5), SP 44-11-504, C 44-0131-05 AND S 0121(12).

ALL QUANTITIES ON PRELIMINARY PLANS ARE TO BE CONSIDERED APPROXIMATE ONLY.

ALL POLES ENCRANCHING ON CONSTRUCTION ARE TO BE MOVED BY THE OWNERS.

FOR PRELIMINARY PLAN QUANTITIES OF ASPHALTIC ROAD MATERIALS THE FOLLOWING RATES OF APPLICATION WERE USED.

PRIME COAT MC @ 0.40 GALS. PER SQ. YD.
PAVING ASPHALT (120-150 PENETRATION) @ 6.85 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.

THICKNESS OF SURFACING AND ASPHALTIC PAVEMENT MATERIALS AS SHOWN ON PLANS IS APPROXIMATE ONLY. THESE MATERIALS ARE TO BE PLACED ON THE BASIS OF TONNAGES SHOWN ON PLANS.

ROAD APPROACHES WHICH REQUIRE PLANT MIXED ASPHALTIC SURFACING IN THE "STRUCTURE LIST" SHALL BE PRIMED AND A 1-1/2" THICKNESS OF ASPHALTIC SURFACING PLACED AS FOLLOWS:

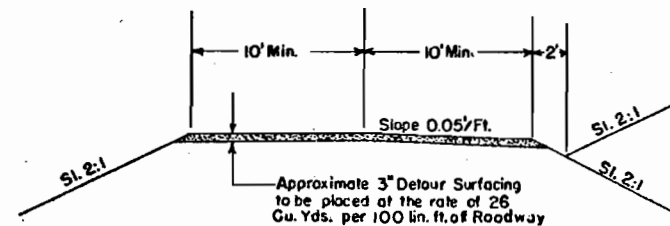
PUBLIC APPROACHES AND ENTRANCES TO BUILDINGS OR RESIDENCES TO BE SURFACED 50 FT. OUT FROM EDGE OF SHOULDER OR TO THE R.O.W. LINE WHICHEVER IS LESS. FIELD ENTRANCES SHALL BE SURFACED 4 FT. OUT FROM EDGE OF SHOULDER.

APPLICATION METHODS, FOR LIQUID ASPHALTIC ROAD MATERIAL, WHICH RESULT IN THE DISCOLORATION OF CONCRETE PAVEMENT, CURBS OR GUTTERS WILL NOT BE PERMITTED.

IF EXCAVATION OPERATIONS DEVELOP MATERIALS WHICH WILL STAND ON SLOPES STEEPER THAN SLOPE STAKE LINES, THE DEPARTMENT RESERVES THE RIGHT TO CHANGE CUT SLOPES DURING THE PROGRESS OF SUCH EXCAVATIONS.

DURING CONSTRUCTION OF THIS PROJECT, TRAFFIC WILL USE THE PRESENT TRAVELED ROADWAY EXCEPT WHERE DETOURS ARE SHOWN ON PLANS.

TYPICAL SECTION OF DETOUR STA. 126+ Bk. → 91+ Ah.



FILE #	LOC + CASE	DOC. COUNT	PAGE	ADD'L PAGE
03	401	1	2	

SUMMARY OF APPROXIMATE QUANTITIES

REV. 3/20/63-ADDED FENCING- R.L.M.

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	C 44-0131-11	3	

SPECIFICATION ITEM NO.	ITEM	UNIT	ROADWAY	CBC STA 89+	PROJECT TOTALS
11	Removal of Bridge Sta. 89+	LumpSum		•	•
13	Unclassified Excavation	Cu. Yd.	10,250'	750'	11,000'
13	Unclassified Ditch Excavation	Cu. Yd.	200'		200'
13	Stripping	Cu. Yd.	8,000'		8,000'
14	Unclassified Structural Excavation - Miscellaneous	Cu. Yd.	50'	90'	140'
16	Structure Backfill (Class X)	Cu. Yd.	30'	50'	80'
17	Compaction (Modified)	Cu. Yd.	14,000'		14,000'
17	Wetting	M Gal.	1,470'		1,470'
18	Station Yard Overhaul	Sta. Yd.	15,000'		15,000'
18	Ton Mile Overhaul	Ton Mi.	276,900'		276,900'
26	Gravel or Crushed Rock Surfacing (Grading B)	Ton	38,800'		38,800'
26	Detour Surfacing	Cu. Yd.	90'		90'
29	Asphalt (120-150) Penetration	Ton	1,330'		1,330'
30	Asphaltic Road Material MC (Prime)	Gal.	53,600'		53,600'
32	Plant Mixed Asphaltic Surfacing	Ton	18,730'		18,730'
32	Plant Mixed Asphaltic Shoulder Roll	Ton	15'		15'
32	Plant Mixed Asphaltic Ditch Paving	Ton	5'		5'
46	Class A Concrete	Cu. Yd.		141'	141'
47	Reinforcing Steel	Lb		13,000'	13,000'
53	Placing 24" Corrugated Metal Culvert Pipe	Lin Ft.	112'		112'
76	Combination Wire Fence with Metal Posts	Lin. Ft.	40,500'		40,500'
76	End Posts	Each	10'		10'
76	Corner and Line Brace Posts	Each	49'		49'
76	Driveway Gates	Each	5'		5'
93	Placing 8" Metal Embankment Protectors (Type I)	Each	3'		3'
119	Shaping and Compacting Roadbed	Mile	7.1'		7.1'
192	Delineators (Type I)	Each	760'		760'
192	Delineators (Type III)	Each	2'		2'
STATE FURNISHED MATERIAL					
53	24" Corrugated Metal Culvert Pipe	Lin. Ft.	112'		112'
STATE FORCES					
	Signing and Striping Entire Project	LumpSum	•'		

FILE #	LOC. CASE	DOC. COUNT	PAGE	ADD'L PAGE
03	401	1	3	

STRUCTURE QUANTITIES

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	C44-0131-11	4

LOCATION	DESCRIPTION	EXCAVATION			UNCLASSIFIED STRUCTURAL EXCAVATION	STRUCTURE BACKFILL		PL. MIX ASPH. SHLDR. ROLL	GRAVEL OR CRUSHED ROCK SURFACING	ASPHALTIC SURFACING	CONCRETE	REINFORCING STEEL	CORRUGATED METAL CULVERT PIPE				PL. MIX ASPH. DITCH PAVING	8" EMBANKMENT PROTECTOR		MISCELLANEOUS					
		CUBIC YARDS				CUBIC YARDS	CLX						TON	TONS	TONS	CL. "A"		LBS.	LINEAR FEET				TON	EACH	
		UNCL.	EMB.	UNCL. DITCH															CUBIC YARDS		STATE FURNISHED MATERIAL				MATERIAL
0+11 ~ 0+93.1 0+93.1 ~ 2+09.1 5+	Req'd Approach to Project. Remove approx. 8"-12" Material from Bridge. Req'd 6" Base Course & 3" Plant Mix Asph. Surf. Req'd Road Approach Lt. & Rt.	70'								▲															
20+50 Bk. 80+00 127+15	Req'd 250' Asphaltic Shoulder Roll, Embankment Protector, & Asphaltic Ditch Paving Rt. Req'd Road Approach Rt. Req'd Road Approach Lt.		210					4'								# 2'	1'								
126+81 ~ 91+Ah. 89+ Ah. 89+32 116+00 167+00 200+00 223+00	Build & Remove Detour Remove Bridge. Req'd Double 12"x8'x37" Concrete Box Culvert (Type 12-12-A) & Channel Improvement (W=29'). Req'd Road Approach Lt. Req'd Road Approach Rt. Req'd 300' Asphaltic Shoulder Roll, Embankment Protector, & Asphaltic Ditch Paving Rt. Req'd Road Approach Lt.	530'	665'		90'	50'					14013'	12,947'						90 Cu. Yd. Detour Surfacing Removal of Bridge.							
223+50 245+00 257+ ~ 263+	Req'd 200' Asphaltic Shoulder Roll & Embankment Protector, & Asphaltic Ditch Paving Rt. Req'd 24"x56' Cross Culvert, Ditches. Req'd Intercepting Ditch Rt.			10'	24'	11'		3'								# 1'	1'								
269+ 276+ 357+00 ~ 358+00	*Clean Culvert & Ditches Req'd 24"x56' Cross Culvert, Ditches. Req'd Approach to Project.			10'	24'	11'			▲	▲															
TOTALS		1350'	875'	200'	138'		72'	12'	154'	50'	14013'	12,947'		112'											

▲ & ▲ Included in Surfacing Plan
 ◊ Field Approaches
 * Work by State Maintenance Forces
 # Detail on Sheet No. 5
 ⊕ No Cost to project.

FILE #	LOC. + CASE	DOC. COUNT	PAGE	ADD'L PAGE
03	401	1	4	

SURFACING
PIT NO. 2 (Semi to Solid)
 Owner: J. Perry Olsen
 Location: N 1/2 Sec. 10, T. 3 S., R. 83 W.
 Quantity Available: 63,850 Cu. Yds.
 Estimated Stripping: 8,000 Cu. Yds.
 Haul Distance: 6,600' to sta 357

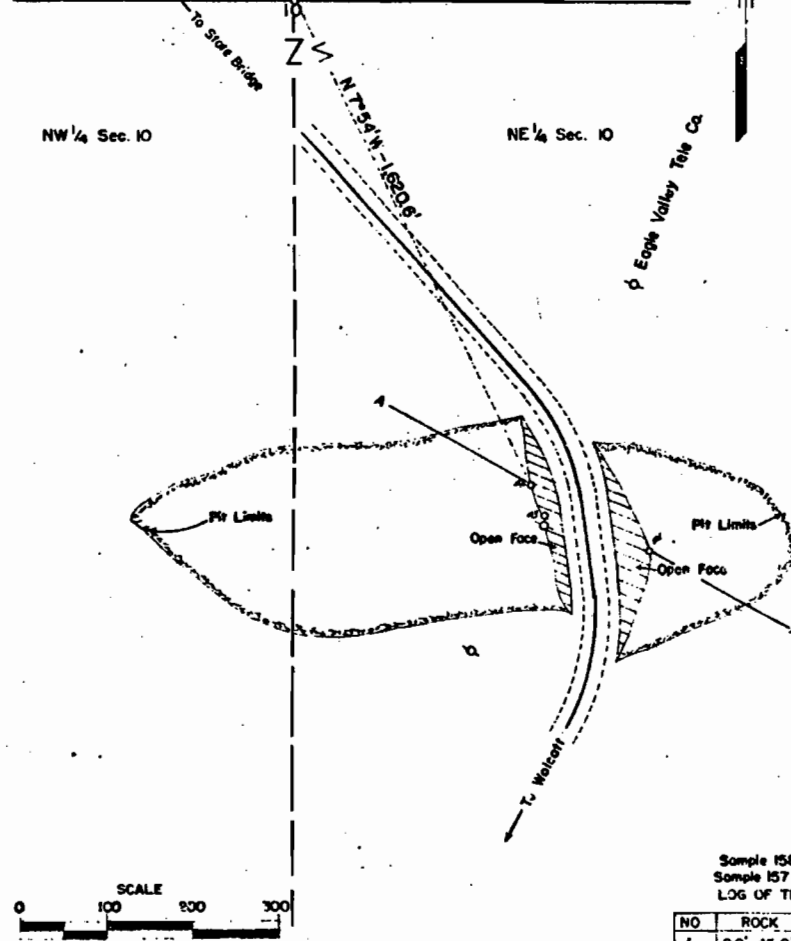
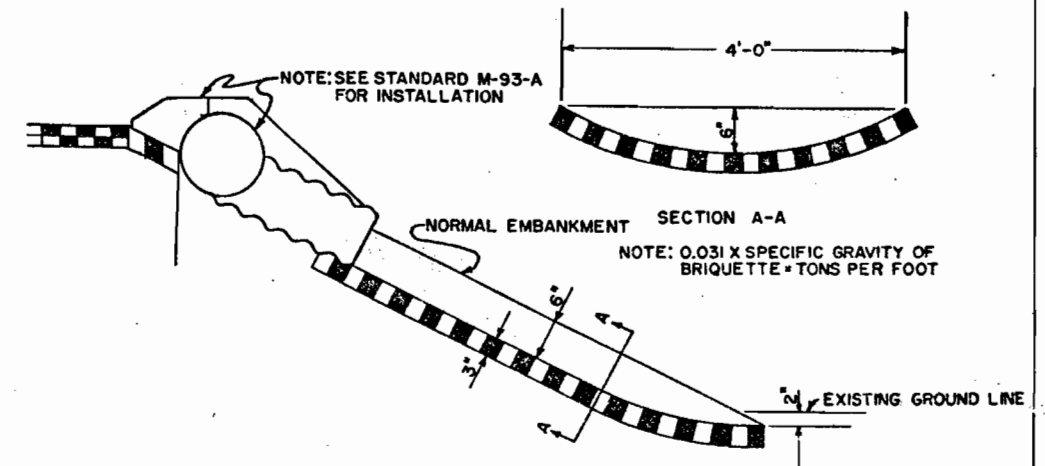
SURFACING PLAN

It is estimated that material for the Surfacing of this project is available in the vicinity of the pit shown on this sheet. Estimated quantities involved in this operation are shown below.
 Alteration of the Surfacing Plan as here outlined will be allowed only on written Permission from the Department.

MATERIAL TO BE PLACED	TONS		TON MILE OVERHAUL	
	BASE COURSE GRADING "B" (R-80)	PLANT MIX	BASE COURSE	PLANT MIX
Approach to Project Bridge (0+93.1 ~ 2+09.1) 2+09.1 ~ 20+80.6 Bk. 19+33.6 Ah ~ 43+00	78 562 740	22 41 861 1,135	683 4811 6,030	193 7370 9,249
43+00 ~ 127+68.3 Bk. 89+00 Ah ~ 194+181.0 Bk. 194+92.5 Ah ~ 208+669.8 Bk. 208+11.1 Ah ~ 224+654.8 Bk.	7961 9947 1,292 1,553	3,896 4,868 633 761	56,628 52,811 3,397 6,050	27,713 25,846 2,644 2,961
224+72.0 Ah ~ 234+85.0 Bk. 235+78.4 Ah ~ 303+909.8 Bk. 304+12.0 Ah ~ 357+00 Est. for Curve Widening Approach to Project From List of Structures Est. for Irregularities	953 6404 4,971 558 47 154 3,522	466 3,134 2,433 401 23 50	3,467 18,550 8,703 2,642 60 729 16,656	1,696 9,078 4,260 2,008 29 251
TOTALS	38,744	18,724	183,217	93,657

Stabilization based on Design Curve "C"

DETAIL OF ASPHALTIC DITCH PAVING



Sample 158 No. 531
 Sample 157 No. 380D
 LOG OF TEST HOLES

NO.	ROCK	ROCK & FINES
1	0.0' - 45.0'	
2	0.0' - 11.0'	11.0' - 21.0'
	21.0' - 24.0'	
3	0.0' - 9.0'	9.0' - 12.0'
	12.0' - 20.0'	

SUMMARY OF EARTHWORK QUANTITIES

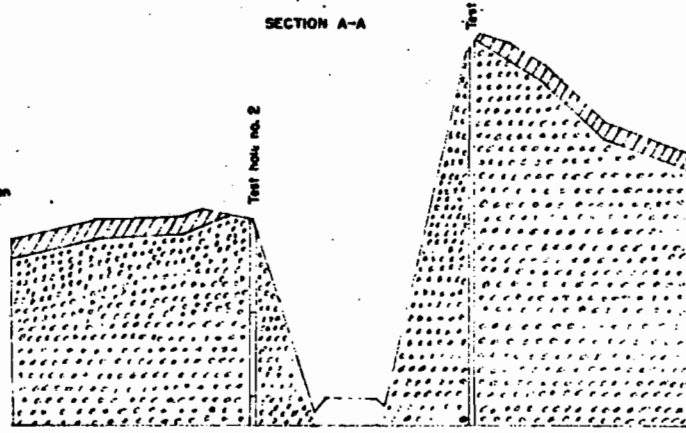
EXCAVATION From Cross Sections Est. for Subsidence List of Structures as Excavation List of Structures as Embankment Est. for Cut Slope Treatment	7,160 716 1,350 875 20		
TOTALS	10,121	Cu. Yds.	
EXCAVATION From Cross Sections	7,160	Cu. Yds.	
EMBANKMENT From Cross Sections	5,728	Cu. Yds.	
EMBANKMENT X 1.25	7,160	Cu. Yds.	
STATION YARD OVERHAUL From Mass Diagram Est. for Subsidence	12,849 1,285		
TOTALS	14,134	Sta. Yds.	
COMPACTION Total Unclassified Excavation Base of Cuts and Fills	10,121 3,686		
TOTALS	13,807	Cu. Yds.	

* Includes 750 Cu. Yds from Channel Improvement.

FENCING REQUIREMENTS

STATION TO STATION	SIDE	COMB. WIRE FENCE	DRIVEWAY GATES
		LIN. FT.	E.A.
105+50 ~ 166+87	Lt.	6,137	
116+75	Lt.		1
166+87 ~ 321+65	Lt. & Rt.	30,810	
167+00	Rt.		1
190+80	Rt.		1
223+00	Lt.		1
255+00	Lt.		1
321+65 ~ 357+00	Rt.	3,535	
TOTALS		40,482	5

Estimated:
 Corner and Line Brace Posts = 49
 End Posts = 10



FILE #	LOC + CASE	DOC. COUNT	PAGE	ADD'L PAGE
03	401	1	5	

SUMMARY OF SOIL PROFILE TESTS

TEST NO.	STATION	LOG FEET	%200	L.L.	P.I.	C.B.R. OR "R"	CLASSIFICATION	REPRESENTS MATERIAL
1 1-A	5+50 E	0.0-1.0 1.0-4.0	9 79	NY 34	NP 13	3.1	A-1-a(0) A-5(9)	0+00 ~ 10+00
2 2-A	11+84 12' Rt.	0.0-0.83 0.83-3.0	Sim. to #1 Sim. to #1-A				A-1-a(0) A-5(9)	10+00 ~ 15+47
3 3-A 3-B	18+47 E	0.0-0.25 0.25-1.16 1.16-3.0	7 7 88	NY NY 35	NP NP 12		A-1-a(0) A-5(9) A-6(9)	15+47 ~ 23+47
4 4-A	25+08 12' Lt.	0.0-0.75 0.75-3.0	Sim. to #3-A Sim. to #3-B				A-1-a(0) A-6(9)	23+47 ~ 30+47
5 5-A	34+99 E	0.0-1.04 1.04-3.0	Sim. to #3-A 82	33	10	4.2	A-1-a(0) A-4(8)	30+47 ~ 40+00
6 6-A	42+50 9' Rt.	0.0-1.0 1.0-3.0	7 Sim. to #5-A	NY 3.5	NP 14	3.5	A-1-a(0) A-4(8)	40+00 ~ 43+00
7 7-A	51+25 E	0.0-0.06 0.06-3.0	42 64	30 35	12 14	8.3 3.5	A-6(2) A-6(7)	43+00 ~ 56+00
8	60+58 9' Lt.	0.0-3.0	82	39	17	2.8	A-6(11)	56+00 ~ 65+00
9	70+09 E	0.0-3.0	Sim. to #7-A			3.5	A-6(7)	65+00 ~ 75+00
10	81+44 9' Rt.	0.0-3.0	54	29	10	7.8	A-4(4)	75+00 ~ 85+00
11	89+96 E	0.0-3.0	Sim. to #10			7.8	A-4(4)	85+00 ~ 95+00
12	98+34 9' Lt.	0.0-3.0	61	27	9	6.9	A-4(5)	95+00 ~ 105+00
13	107+23 E	0.0-3.0	64	31	11	3.8	A-6(6)	105+00 ~ 115+00
14	117+54 9' Rt.	0.0-3.0	Sim. to #13			3.8	A-6(6)	115+00 ~ 125+00
15 15-A	127+48 E	0.0-0.75 0.75-3.0	15 85	18 29	1 10	4.2	A-1-a(0) A-4(8)	125+00Bk ~ 94+00Ah
16	97+86 Lt.	0.0-3.0	81	31	10	4.2	A-4(8)	94+00 ~ 103+00
17	107+00 E	0.0-3.0	Sim. to #16			4.2	A-4(8)	103+00 ~ 112+00
18	115+03 9' Rt.	0.0-3.0	Sim. to #16			4.2	A-4(8)	112+00 ~ 120+00
19	126+39 E	0.0-3.0	58	35	13	3.8	A-6(6)	120+00 ~ 130+00
20	135+76 9' Lt.	0.0-3.0	Sim. to #19			3.8	A-6(6)	130+00 ~ 140+00

NOTE: Soil Data shown in this tabulation is obtained from best available Testing Laboratory information. This information is shown for convenience of the Contractor, and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on Plans are encountered during construction, The Grading Plan shown on Plans will be modified where necessary to secure dense, stable Embankments.

DELINEATORS

TEST NO.	STATION	LOG FEET	%200	L.L.	P.I.	C.B.R. OR "R"	CLASSIFICATION	REPRESENTS MATERIAL
21	144+56 E	0.0-3.0	90	34	14	3.0	A-6(10)	140+00 ~ 150+00
22	153+34 9' Rt.	0.0-3.0	Sim. to #21			3.0	A-6(10)	150+00 ~ 160+00
23	162+63 E	0.0-3.0	Sim. to #21			3.0	A-6(10)	160+00 ~ 170+00
24	171+52 9' Lt.	0.0-3.0	89	39	17	2.8	A-6(11)	170+00 ~ 180+00
25	182+33 E	0.0-3.0	Sim. to #24			2.8	A-6(11)	180+00 ~ 187+00
26	191+21 9' Rt.	0.0-3.0	70	41	21	3.2	A-7-6(12)	187+00 ~ 195+00
27	200+16 E	0.0-3.0	Sim. to #26			3.2	A-7-6(12)	195+00 ~ 205+00
28	208+65 9' Lt.	0.0-3.0	Sim. to #26			3.2	A-7-6(12)	205+00 ~ 215+00
29	218+27 E	0.0-3.0	62	42	20	3.7	A-7-6(10)	215+00 ~ 225+00
30	228+43 9' Rt.	0.0-3.0	Sim. to #29			3.7	A-7-6(10)	225+00 ~ 233+00
31	237+73 E	0.0-3.0	Sim. to #29			3.7	A-7-6(10)	233+00 ~ 243+00
32	247+09 9' Lt.	0.0-3.0	79	31	13	3.1	A-6(9)	243+00 ~ 252+00
33	256+71 E	0.0-3.0	Sim. to #32			3.1	A-6(9)	252+00 ~ 262+00
34	266+25 9' Rt.	0.0-3.0	Sim. to #32			3.1	A-6(9)	262+00 ~ 272+00
35	275+32 E	0.0-3.0	70	32	12	3.3	A-6(8)	272+00 ~ 280+00
36	284+70 9' Lt.	0.0-3.0	Sim. to #35			3.3	A-6(8)	280+00 ~ 290+00
37	293+70 E	0.0-3.0	Sim. to #35			3.3	A-6(8)	290+00 ~ 299+00
38	303+88 9' Rt.	0.0-3.0	39	26	6	10.4	A-4(1)	299+00 ~ 309+00
39	313+45 E	0.0-3.0	Sim. to #38			10.4	A-4(1)	309+00 ~ 319+00
40	322+58 9' Lt.	0.0-3.0	72	29	10	5.1	A-4(7)	319+00 ~ 328+00
41	331+66 E	0.0-3.0	Sim. to #40			5.1	A-4(7)	328+00 ~ 337+00
42	340+08 9' Rt.	0.0-3.0	Sim. to #40			5.1	A-4(7)	337+00 ~ 345+00
43	350+00 E	0.0-3.0	77	29	9	4.2	A-4(8)	345+00 ~ 355+00
44	360+00 9' Lt.	0.0-3.0	Sim. to #43			4.2	A-4(8)	355+00 ~ 365+00

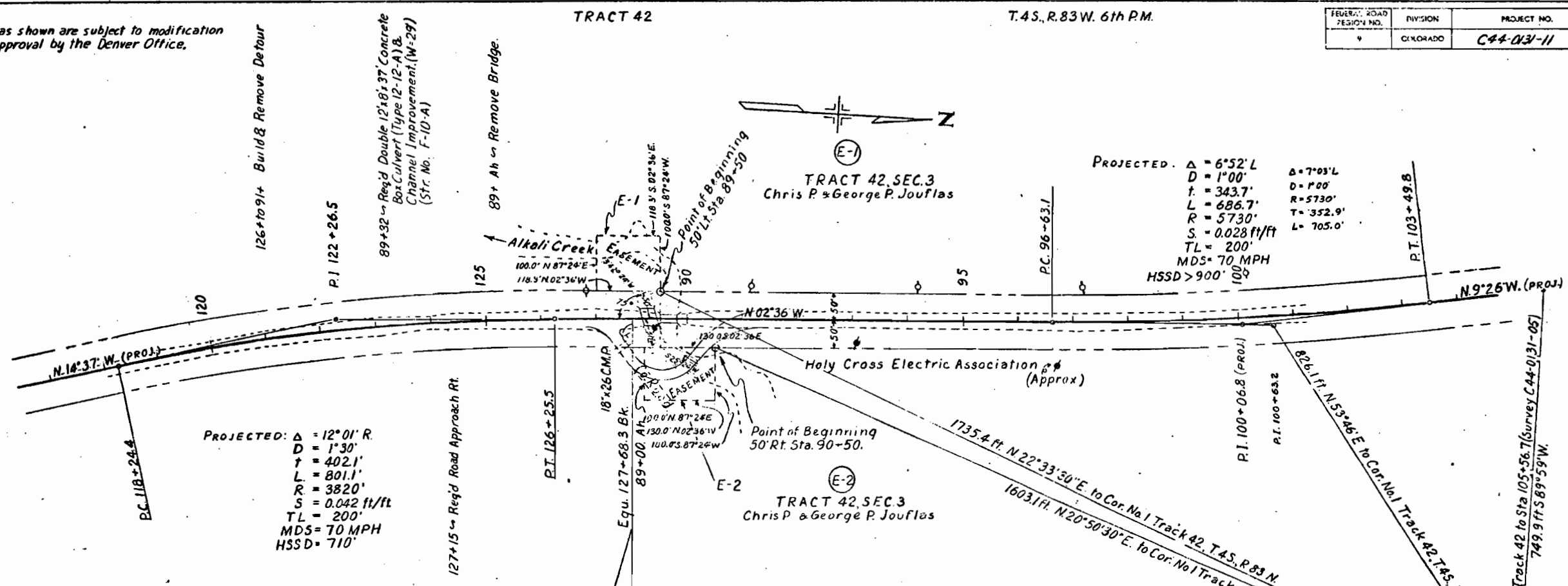
STATION TO STATION	SPACING	TYPE		REMARKS
		TYPE I NO.	TYPE III NO.	
0+91.1 Rt 2+09.1 Lt 2+25.0 ~ 4+20.8 4+75.4 ~ 9+75.1	Bridge Bridge 8° Curve 24° Curve	4 4 8 36	1 1	Posts not used in R.R. area. No transitions.
9+75.1 ~ 19+74.7 18+33.6 Ah ~ 23+12.8 28+50 34+50.9 ~ 46+14.0	21° Curve 13° Curve 7° Curve	66 32 56		No Transitions. No Transition Bk.
51+50 ~ 81+50 87+52.0 ~ 94+83.7 97+50 99+88.4 ~ 103+80.7	400' 4° Curve 8° Curve	16 30 2 24		2 Posts Transition Ah. 2 Posts Transition Bk. 4 Posts Transition Ah.
111+70.7 ~ 116+46.3 117+82.6 ~ 126+12.6	6° Curve 1°30' Curve	22 20		4 Posts Transition Bk. No Transition Ah. No Transition Bk. 4 Posts Transition Ah.
97+10.3 ~ 104+15.3 108+80.9 ~ 113+20.5 119+00 ~ 133+00	1° Curve 4° Curve 400'	18 22 8		4 Posts Transition Bk. 2 Posts Transition Ah. 2 Posts Transition Bk.
139+81.0 ~ 144+83.2 151+50 ~ 161+50 169+02.9 ~ 174+95.7 180+40.3 ~ 183+80.9	3° Curve 400' 3° Curve 13° Curve	26 6 24 26		2 Posts Transition Ah. 4 Posts Transition Bk.
191+74.3 ~ 194+81.0 Bk. 200+95.8 ~ 202+96.9 203+38.1 ~ 207+86.3 210+86.9 ~ 219+68.7	10° Curve 15° Curve 15° Curve 2°30' Curve	26 14 28 22		4 Posts Transition Ah. No Transitions. 2 Posts Transition Ah. 2 Posts Transition Bk. No Transition Ah.
219+68.7 ~ 224+65.4 Ah. 227+04.4 ~ 233+55.4 241+50 ~ 257+50	10° Curve 5° Curve 400'	26 28 9		No Transition Bk. 2 Posts Transition Ah. No Transition Bk.
264+41.3 ~ 275+01.6 281+50 ~ 289+50 297+88.4 ~ 303+90.9 Ah. 313+85.6 ~ 324+71.7	5° Curve 400' 2° Curve 3° Curve	46 5 24 40		4 Posts Transition Ah
336+87.7 ~ 341+82.1 345+22.4 ~ 349+96.6	3° Curve 2° Curve	22 18		2 Posts Transition Ah. 2 Posts Transition Bk.
TOTALS		760'	2'	

All Posts are Lt. & Rt. Except those otherwise noted.
 All Guard Posts to be removed by Maintenance Forces.

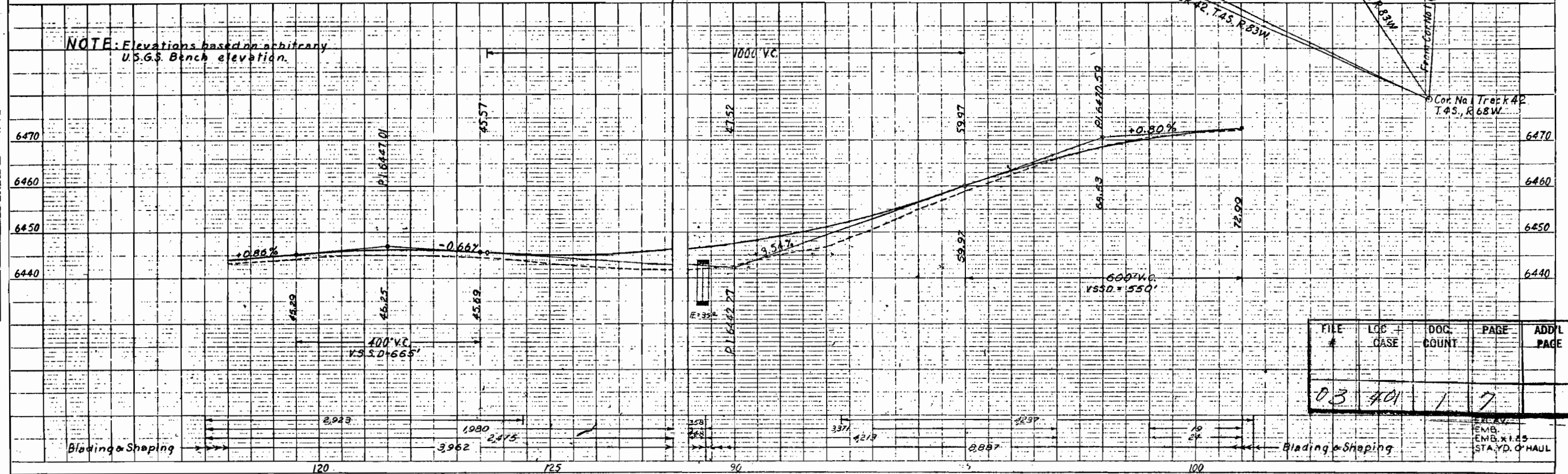
FILE #	LOC + CASE	DOC. COUNT	PAGE	ADD'L PAGE
03	401			

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO	C44-03-11	7

NOTE: Alignment and Grades as shown are subject to modification during construction after approval by the Denver Office.



NOTE: Elevations based on arbitrary U.S.G.S. Bench elevation.



FILE #	LOC CASE	DOC. COUNT	PAGE	ADD'L PAGE
03	401	1	7	

EMB. STA. YD. O' HAUL