

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP 27-61-501	2	

SUMMARY OF APPROXIMATE QUANTITIES

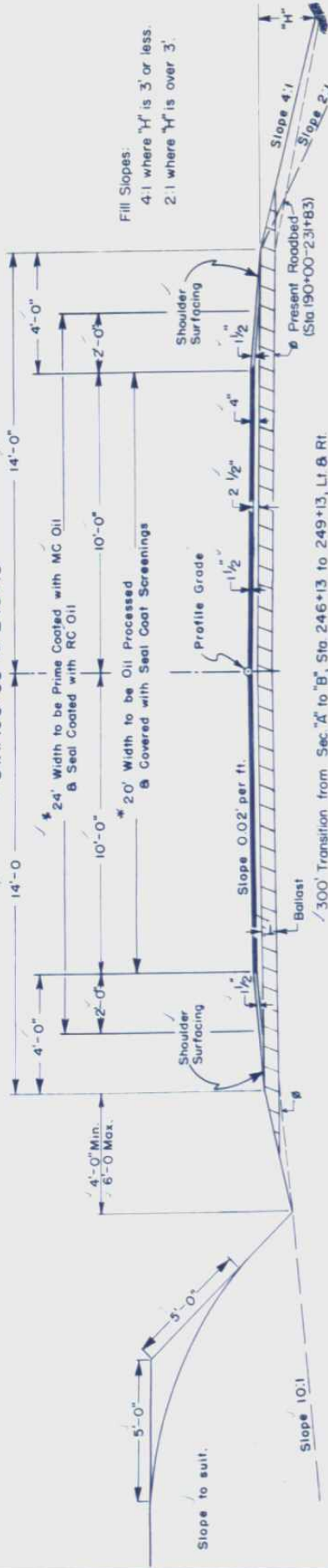
ITEM NO	ITEM	UNIT	ROADWAY						TOTALS		PROJECT TOTALS	
			OUTSIDE		INSIDE		PAVEMENT	COUNTY STATE	PAVEMENT	COUNTY STATE		
			20'	27'	27'	34'						
												COUNTY STATE
11a	Removal of 3 Structures	Lump Sum										
11b	Removing & Resetting Mail Boxes	Lump Sum										
13c	Unclassified Excavation	Cu Yd	2400		100		1500	1000		5000		5000
14a	Dry Rock Excavation (Str)	Cu Yd	5							5		5
14b	Dry Common Excavation (Str)	Cu Yd	25							25		25
14c	Wet Rock Excavation (Str)	Cu Yd	5							5		5
14d	Wet Common Excavation (Str)	Cu Yd	5							5		5
16a	Structure Backfill	Cu Yd	130							130		130
16d	Mechanical Tamping	Hour	20							20		20
17ax	Rolling with Tamping Roller (2 Unit)	Hour	43			3		3		50		50
17ay	Rolling with Tamping Roller (4 Unit)	Hour	13			3		3		20		20
17b	Rolling with Flat Wheeled Roller	Hour	35			7	4	7	5	50		50
17c	Rolling with Rubber Tired Roller	Hour	13			3	3	3	4	20		20
17dx	Furnishing Tamping Roller (2 Unit)	Each	0.86		0.02	0.06		0.06		1		1
17dy	Furnishing Tamping Roller (4 Unit)	Each	0.65		0.05	0.15		0.15		1		1
17e	Furnishing Flat Wheeled Roller	Each	0.70	0.50	0.02	0.05	0.14	0.20	0.14	0.25		0.25
17f	Furnishing Rubber Tired Roller	Each	0.65	0.60	0.05	0.05	0.15	0.15	0.20	1		1
17g	Wetting	MGal	510	8	3	1	57	60		630	10	640
18a	Station Yard Overhaul	Sq Yd	40,000							40,000		40,000
18b	Yard Mile Overhaul	Yd Mi	4,000							4,000		4,000
18c	Ton Mile Overhaul	Ton Mile	13,710	1750	120	20	3170	480	3700	550	20,700	28,002,350
23b	Ballast (Class 2)	Ton	8,530		50		1140		1180		10,900	10,900
26d	Gravel or Crushed Rock Surfacing (Grading D)	Ton	2,230		20		480		570		3,300	3,300
26e	Stockpile Surfacing	Ton	1,450		10		265		275		2,000	2,000
26y	Placing Stockpiled Surfacing	Ton		1,380		10		250		260	1900	1900
30d	Asphaltic Road Material RC-3	Gal.		11,200		100		2200		2800	16,300	16,300
30x	Asphaltic Road Material MC	Gal.		7,040		50		1240		1570	9,900	9,900
30y	Asphaltic Road Material RC	Gal.		4,400		30		790		980	6,200	6,200
31a	Road Mix Oil Processing	Sq Yd		13,480		102		2638		3390	19,610	19,610
31fx	Stone Screenings (Type 4)(Stockpile)	Ton	162		1		33		44		240	240
31y	Stone Screenings (Distribute)	Ton		150		1		30		39	220	220
53b	18" Corrugated Metal Culvert Pipe	Lin Ft		26						26	26	26
53c	24" Corrugated Metal Culvert Pipe	Lin Ft		44						44	44	44
53g	48" Corrugated Metal Culvert Pipe	Lin Ft		124						124	124	124
81a	Project Markers	Each								1	2	2
119	Shaping Roadbed	Mile		10						10	10	10

GENERAL NOTES

- COUNTY FORCES
 - Culverts projecting from embankments shall be covered with approximately 6 inches of embankment material in such a manner that a minimum of pipe shall be exposed in the completed work. This shall be accomplished by warping embankment slopes around and adjacent to the culvert.
 - All corrugated metal pipe cross culverts shall be laid without metal aprons unless otherwise noted on plans.
 - Base Course Surfacing shall be produced and placed on the subgrade by County Forces. Top Course Surfacing, Surfacing for Shoulder Areas and Stone Screenings (Type 4) are to be produced and stockpiled by County Forces for placement by State Forces.
 - Stockpiles for Surfacing and Stone Screenings shall be located along the County Road between 200' and 1000' west from Sta. 106+80.
- STATE FORCES
 - Asphaltic Road Material MC is to be used for prime coat over widths shown on Typical Sections previous to placing of oil processed material. Grade of MC oil to be determined by the Engineer.
 - Asphaltic Road Material RC-3 is to be used for processing oil mat on this project.
 - All side approach roads shall be prime coated to the Right of Way line, and shall not be processed. It is estimated that rolling of the oil processed material with a flat wheeled roller will be necessary after compaction of oil mat with rubber tired rollers in order to produce a smooth, firm surface. Asphaltic Road Material RC shall be used for seal coating over the entire primed area. Grade of the RC oil is to be determined by the Engineer at the time of construction.
 - Top Course Surfacing and Surfacing for Shoulder Areas which are to be placed in stockpiles by County Forces shall be placed on roadway in accordance with the Specifications and Typical Section Details.
 - Stone Screenings from stockpiles are to be placed on roadway and over all side approach roads to the project.

COUNTY & STATE FORCES

- COUNTY FORCES
 - This Project is to be constructed in conformity with the Standard Specifications of the Colorado State Highway Department adopted January 1, 1948.
 - All quantities on preliminary plans are to be considered approximate only.
 - Except as otherwise noted on the plans, payment for overhaul will be based on measurement along the centerline of the project.
 - The construction of road approaches shall follow Standard M-2-DM, except at locations where present side drains are to be left in place. At these locations the minimum width of 16ft and/or 20ft radius shall be adjusted to fit the side drain in place.
- STATE FORCES
 - 4" compacted thickness of Gravel or Crushed Rock Surfacing to be placed in two courses at the following approximate rates per 100 lin. ft. of roadway:-
 - 17 Tons
 - 32"
 - 6"
 - 21/2" Top Course
 - 21/2" Base Course
 - 11/2" Shoulder Area
 - 11/2" Top Course
 - 21/2" Base Course
 - 11/2" Shoulder Area
 - 11/2" Top Course
 - 21/2" Base Course
 - 20' Pavement
 - 27' Pavement
 - 34' Pavement



WORK BY STATE FORCES

300' Transition from Sec. "A" to "B", Sta. 246+13 to 249+13, Lt. & Rt.

Typical Cross Section B diagram showing a 27' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 249+13 to 257+87.

Typical Cross Section C diagram showing a 34' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 257+87 to 266+839.

300' Transition from Sec. "B" to "C" on Rt. side, Sta. 254+87 to 257+87.

Typical Cross Section D diagram showing a 48' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 266+839 to 275+87.

300' Transition from Sec. "C" to "D" on Rt. side, Sta. 275+87 to 284+87.

Typical Cross Section E diagram showing a 60' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 284+87 to 293+87.

300' Transition from Sec. "D" to "E" on Rt. side, Sta. 284+87 to 293+87.

Typical Cross Section F diagram showing a 72' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 293+87 to 302+87.

300' Transition from Sec. "E" to "F" on Rt. side, Sta. 293+87 to 302+87.

Typical Cross Section G diagram showing a 84' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 302+87 to 311+87.

300' Transition from Sec. "F" to "G" on Rt. side, Sta. 302+87 to 311+87.

Typical Cross Section H diagram showing a 96' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 311+87 to 320+87.

300' Transition from Sec. "G" to "H" on Rt. side, Sta. 311+87 to 320+87.

Typical Cross Section I diagram showing a 108' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 320+87 to 329+87.

300' Transition from Sec. "H" to "I" on Rt. side, Sta. 320+87 to 329+87.

Typical Cross Section J diagram showing a 120' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 329+87 to 338+87.

300' Transition from Sec. "I" to "J" on Rt. side, Sta. 329+87 to 338+87.

Typical Cross Section K diagram showing a 132' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 338+87 to 347+87.

300' Transition from Sec. "J" to "K" on Rt. side, Sta. 338+87 to 347+87.

Typical Cross Section L diagram showing a 144' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 347+87 to 356+87.

300' Transition from Sec. "K" to "L" on Rt. side, Sta. 347+87 to 356+87.

Typical Cross Section M diagram showing a 156' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 356+87 to 365+87.

300' Transition from Sec. "L" to "M" on Rt. side, Sta. 356+87 to 365+87.

Typical Cross Section N diagram showing a 168' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 365+87 to 374+87.

300' Transition from Sec. "M" to "N" on Rt. side, Sta. 365+87 to 374+87.

Typical Cross Section O diagram showing a 180' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 374+87 to 383+87.

300' Transition from Sec. "N" to "O" on Rt. side, Sta. 374+87 to 383+87.

Typical Cross Section P diagram showing a 192' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 383+87 to 392+87.

300' Transition from Sec. "O" to "P" on Rt. side, Sta. 383+87 to 392+87.

Typical Cross Section Q diagram showing a 204' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 392+87 to 401+87.

300' Transition from Sec. "P" to "Q" on Rt. side, Sta. 392+87 to 401+87.

Typical Cross Section R diagram showing a 216' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 401+87 to 410+87.

300' Transition from Sec. "Q" to "R" on Rt. side, Sta. 401+87 to 410+87.

Typical Cross Section S diagram showing a 228' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 410+87 to 419+87.

300' Transition from Sec. "R" to "S" on Rt. side, Sta. 410+87 to 419+87.

Typical Cross Section T diagram showing a 240' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 419+87 to 428+87.

300' Transition from Sec. "S" to "T" on Rt. side, Sta. 419+87 to 428+87.

Typical Cross Section U diagram showing a 252' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 428+87 to 437+87.

300' Transition from Sec. "T" to "U" on Rt. side, Sta. 428+87 to 437+87.

Typical Cross Section V diagram showing a 264' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 437+87 to 446+87.

300' Transition from Sec. "U" to "V" on Rt. side, Sta. 437+87 to 446+87.

Typical Cross Section W diagram showing a 276' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 446+87 to 455+87.

300' Transition from Sec. "V" to "W" on Rt. side, Sta. 446+87 to 455+87.

Typical Cross Section X diagram showing a 288' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 455+87 to 464+87.

300' Transition from Sec. "W" to "X" on Rt. side, Sta. 455+87 to 464+87.

Typical Cross Section Y diagram showing a 300' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 464+87 to 473+87.

300' Transition from Sec. "X" to "Y" on Rt. side, Sta. 464+87 to 473+87.

Typical Cross Section Z diagram showing a 312' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 473+87 to 482+87.

300' Transition from Sec. "Y" to "Z" on Rt. side, Sta. 473+87 to 482+87.

Typical Cross Section AA diagram showing a 324' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 482+87 to 491+87.

300' Transition from Sec. "Z" to "AA" on Rt. side, Sta. 482+87 to 491+87.

Typical Cross Section AB diagram showing a 336' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 491+87 to 500+87.

300' Transition from Sec. "AA" to "AB" on Rt. side, Sta. 491+87 to 500+87.

Typical Cross Section AC diagram showing a 348' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 500+87 to 509+87.

300' Transition from Sec. "AB" to "AC" on Rt. side, Sta. 500+87 to 509+87.

Typical Cross Section AD diagram showing a 360' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 509+87 to 518+87.

300' Transition from Sec. "AC" to "AD" on Rt. side, Sta. 509+87 to 518+87.

Typical Cross Section AE diagram showing a 372' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 518+87 to 527+87.

300' Transition from Sec. "AD" to "AE" on Rt. side, Sta. 518+87 to 527+87.

Typical Cross Section AF diagram showing a 384' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 527+87 to 536+87.

300' Transition from Sec. "AE" to "AF" on Rt. side, Sta. 527+87 to 536+87.

Typical Cross Section AG diagram showing a 396' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 536+87 to 545+87.

300' Transition from Sec. "AF" to "AG" on Rt. side, Sta. 536+87 to 545+87.

Typical Cross Section AH diagram showing a 408' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 545+87 to 554+87.

300' Transition from Sec. "AG" to "AH" on Rt. side, Sta. 545+87 to 554+87.

Typical Cross Section AI diagram showing a 420' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 554+87 to 563+87.

300' Transition from Sec. "AH" to "AI" on Rt. side, Sta. 554+87 to 563+87.

Typical Cross Section AJ diagram showing a 432' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 563+87 to 572+87.

300' Transition from Sec. "AI" to "AJ" on Rt. side, Sta. 563+87 to 572+87.

Typical Cross Section AK diagram showing a 444' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 572+87 to 581+87.

300' Transition from Sec. "AJ" to "AK" on Rt. side, Sta. 572+87 to 581+87.

Typical Cross Section AL diagram showing a 456' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 581+87 to 590+87.

300' Transition from Sec. "AK" to "AL" on Rt. side, Sta. 581+87 to 590+87.

Typical Cross Section AM diagram showing a 468' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 590+87 to 599+87.

300' Transition from Sec. "AL" to "AM" on Rt. side, Sta. 590+87 to 599+87.

Typical Cross Section AN diagram showing a 480' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 599+87 to 608+87.

300' Transition from Sec. "AM" to "AN" on Rt. side, Sta. 599+87 to 608+87.

Typical Cross Section AO diagram showing a 492' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 608+87 to 617+87.

300' Transition from Sec. "AN" to "AO" on Rt. side, Sta. 608+87 to 617+87.

Typical Cross Section AP diagram showing a 504' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 617+87 to 626+87.

300' Transition from Sec. "AO" to "AP" on Rt. side, Sta. 617+87 to 626+87.

Typical Cross Section AQ diagram showing a 516' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 626+87 to 635+87.

300' Transition from Sec. "AP" to "AQ" on Rt. side, Sta. 626+87 to 635+87.

Typical Cross Section AR diagram showing a 528' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 635+87 to 644+87.

300' Transition from Sec. "AQ" to "AR" on Rt. side, Sta. 635+87 to 644+87.

Typical Cross Section AS diagram showing a 540' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 644+87 to 653+87.

300' Transition from Sec. "AR" to "AS" on Rt. side, Sta. 644+87 to 653+87.

Typical Cross Section AT diagram showing a 552' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 653+87 to 662+87.

300' Transition from Sec. "AS" to "AT" on Rt. side, Sta. 653+87 to 662+87.

Typical Cross Section AU diagram showing a 564' pavement width with various layers and slopes. It includes dimensions for shoulder surfacing, profile grade, and slopes of 4:1 and 2:1. The diagram is for STA. 662+87 to 671+87.

300' Transition from Sec. "AT" to "AU" on Rt. side

LIST OF STRUCTURES

STATION	DESCRIPTION	REMOVE STRUCTURE		EXCAVATION		STRUCTURAL EXCAVATION		STRUCTURE BACKFILL CU.YDS. GLASS	MECH. TAMP. HRS	SURFACING TONS	CORRUGATED CULVERT			METAL PIPE 48"	MISCELLANEOUS
		NO.	KIND	UNCL.	CU. YDS. EMB.	★	CU. YDS.				18"	24"	48"		
190+00 190+00 197+24	Approach to Project Project Marker, Rt. Side drain and road approach, Rt.				10	7		7	1	55 13	26			Project Marker (State Forces)	
204+00 212+95 212+36 213+65	Road approach, Rt. Remove 18x34' cross culvert Road approach Rt. Side drain and road approach, Rt. Extend 24x28' side drain 6'on each end; road approach, Lt.	1	C.M.P.		10 25 10	16		14	2	54 54	30 6+1 6+1				
236+00 237+60	Road approach, Rt. Remove 14x34' cross culvert Remove 30x34' cross culvert Double Cross culvert	1 1	C.M.P. C.M.P.		30 60	4		4	1	54 13					
242+34 245+50 248+98	Road approach, Lt. Road approach, Lt. Road approaches, Lt. & Rt.				20 20			100	10	13 13 26			62 62		
SUB-TOTAL 20' Pavement 251+76 254+35 254+86	Road approach, Rt. Road approach, Lt. Road approach, Lt.	3			70 30 10 25	27		125	14	308 13 6 15	26 44		124		
255+87 256+92 257+44	Road approach, Lt. Road approach, Lt. Road approach, Lt.				25 10 10					14 6 6					
SUB-TOTAL 27' Pavement 258+84 259+28 260+36 261+26	Road approach, Rt. Road approach, Lt. Road approach, Lt. Road approach, Lt.				110 35 15 10 30					60 20 7 6 17					
262+66 263+40 263+98 264+29	Road approach, Rt. Road approach, Lt. Road approach, Lt. Road approach, Rt.				30 25 15 10					16 14 8 4					
265+56 266+ 266+83.9	Road approach, Lt. Project Marker, Rt. Approaches to Project.				20 50					12 28				Project Marker (State Forces)	
SUB-TOTAL 34' Pavement PROJECT TOTALS		3			240 420	27		125	14	500	26 44		124		

☆ Structural Excavation is estimated to be 95% Common and 5% Rock, each of which is estimated to be 90% Dry and 10% Wet.

Δ 1' Allowance for Connecting Band.

It is estimated that material for Gravel Surfacing and Ballast for the project is available in the vicinity of the pit indicated in the following tabulations. Estimated quantities involved in this operation are shown below.

Alteration of these plans as here outlined will be allowed only on written permission from the Department.

BALLAST PLAN

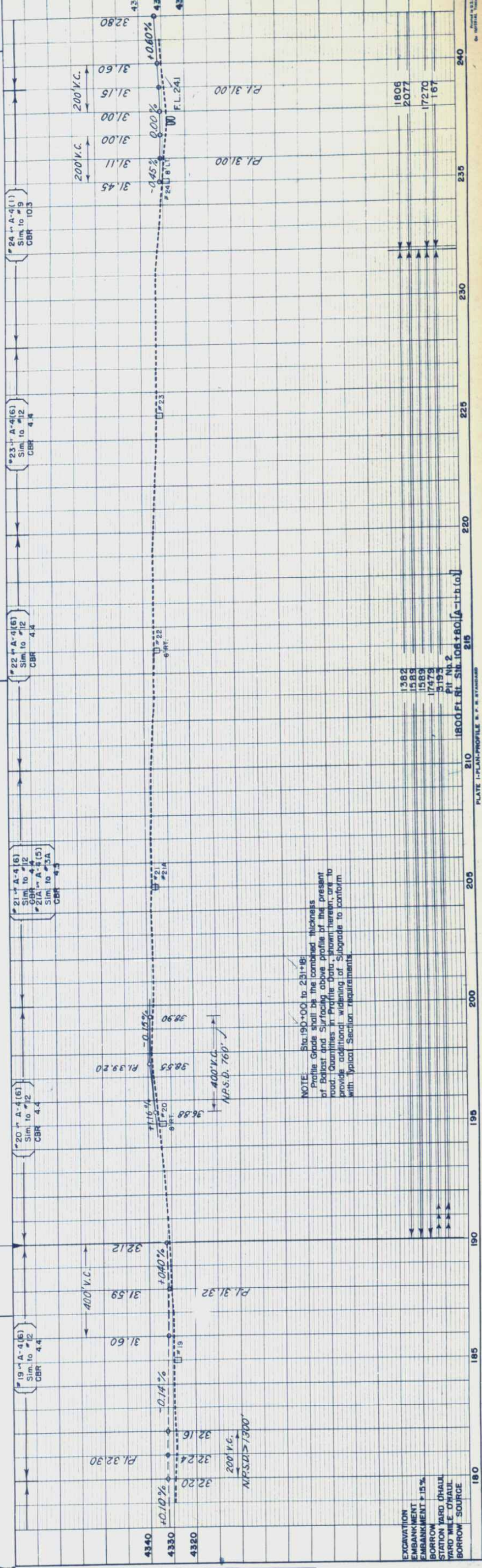
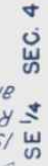
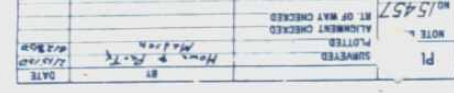
MATERIAL TO BE PLACED	SOURCE	AVAIL-ABLE	THICKNESS "1" / INCHES	QUANTITY IN TONS		OVERHAUL TON MILES	
				CLASS 2	INSIDE OTIS	OUTSIDE OTIS	INSIDE OTIS
190+00 - 228+00 228+00 - 239+00 239+00 - 249+13 249+13 - 249+47 249+47 - 257+87 257+87 - 266+83.9	Pit No. 2(Near) NE 4 Sec. 33 T.3N., R.50W. 1800' From Sta. 106 + 80	Ample	9 4 6 6 6	5890 726 1013 41 1025	20 PAV 127 PAV 127 PAV 134 PAV 127 PAV	6626 1154 1812 77 2020	2182
Apprs to Project Transitions For Correcting Subgrade	Classification A-1-b(o)		6	78 37 774		36 69 971	80 202
TOTALS				8518 45	1128	1164 10692	85 2222 2488

SURFACING PLAN

MATERIAL TO BE PLACED	SOURCE	AVAIL-ABLE	QUANTITY IN TONS (GRADING D)												OVERHAUL IN TON MILES											
			OUTSIDE OTIS						INSIDE OTIS						OUTSIDE OTIS						INSIDE OTIS					
			20' PAVEMENT		27' PAVEMENT		34' PAVEMENT		20' PAVEMENT		27' PAVEMENT		34' PAVEMENT		20' PAVEMENT		27' PAVEMENT		34' PAVEMENT		20' PAVEMENT		27' PAVEMENT		34' PAVEMENT	
			COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP	COUNTY BASE	STATE TOP
190 + 00 - 249 + 13 249 + 13 - 249 + 47 249 + 47 - 257 + 87 257 + 87 - 266 + 83.9	Pit No. (Page) SE 4 SEC. 28, T.3N., R.50W. 1000' From Sta. 106 + 80	Ample	1892	1005	355	17	8	2	412	193	50	431	260	2507	1700	32	19	814	462	920	536	536	536	536		
Appr's to Project & Road Approaches Transitions	Classification A-1-b(o)		308						60			132	408					119		282						
			26	9									48		7											
TOTALS			2226	1014	355	17	8	2	472	193	50	563	260	2963	1707	32	19	933	462	1202	536	536	536			

NOTE. -

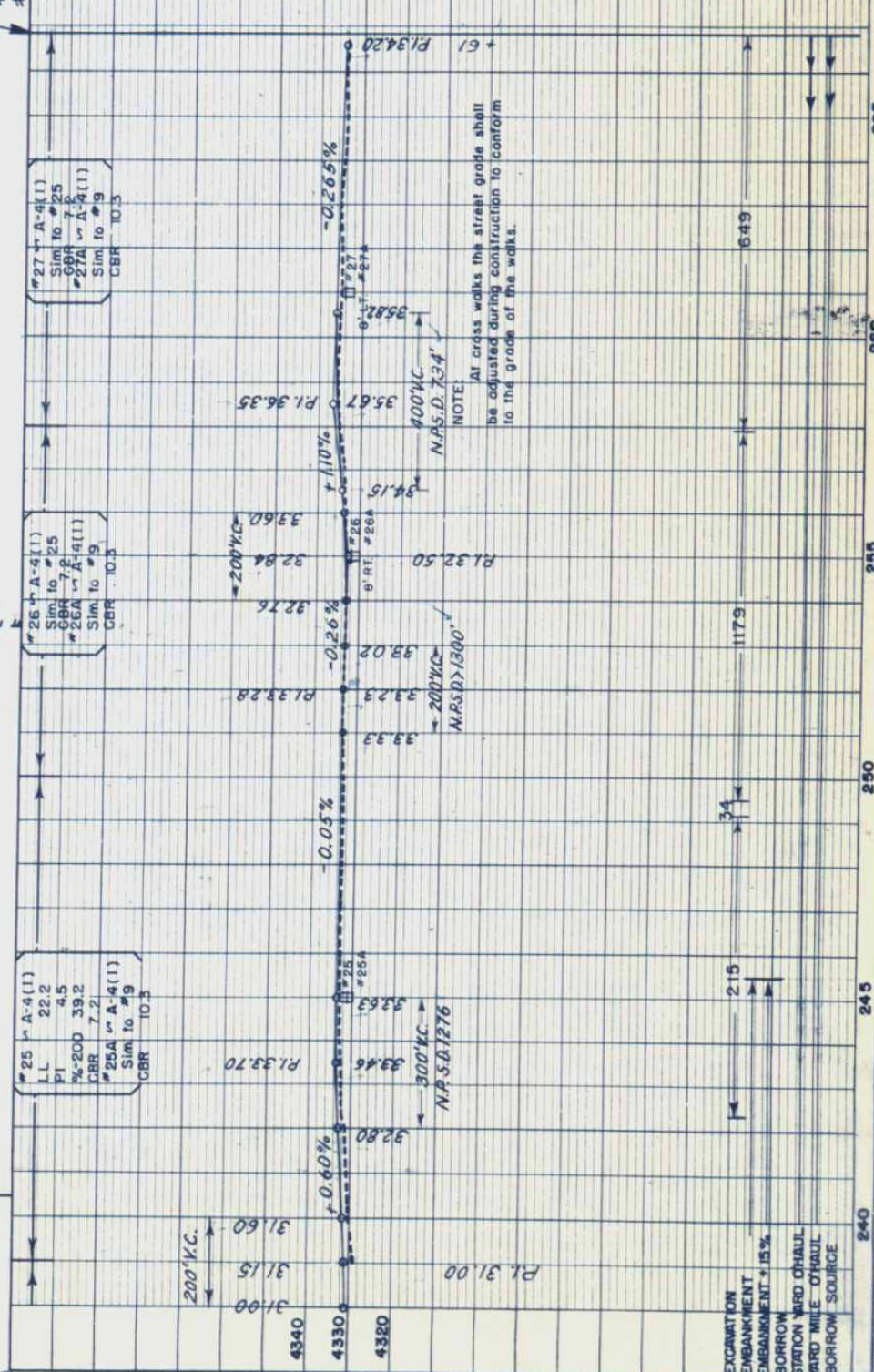
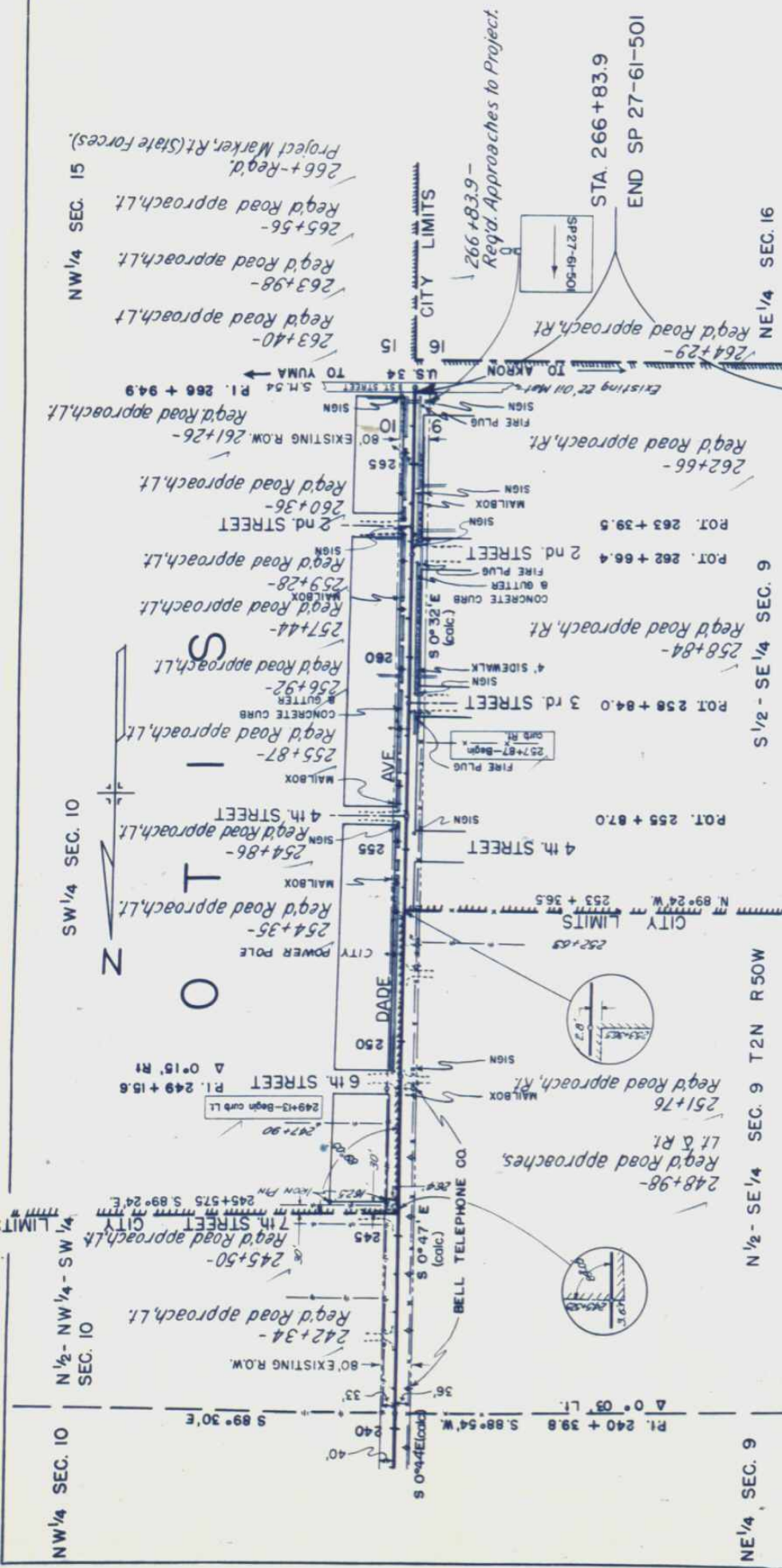
- ✓ Alignment and grades as shown are subject to modification during construction, after approval by the Denver Office.
- ✓ The soil data shown on the plans is obtained from best available testing laboratory information. This information is shown for the convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction necessary modifications of the grading plan shown on the plans will be made to secure dense, stable embankments.



NOTE: Sta: 190+00 to 231+18:
Profile Grade shall be the combined thickness of Ballast and Surfacing above profile of the present road. Quantities in Profile Data, shown herein, are to provide additional widening of Subgrade to conform with Typical Section requirements.

EXCAVATION	
EMBANKMENT	
EMBANKMENT	+ 15 %
BORROW	
STATION YARD	O'HAIL
YARD MILE	O'HAIL
BORROW	SOURCE

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP 27-61-501	9	



NO.	DATE	BY	REVISION
15457			
15458			

NO.	DATE	BY	REVISION
15457			
15458			