

FEDERAL ROAD DISTRICT	PROJECT NO.	SHEET NO.	TOTAL SHEETS
9 COLORADO	C 14-0009-07	2	8

GENERAL NOTES

For preliminary plan quantities of Bituminous Materials the following rates of application were used:

Prime Coat M.C. @ 0.3 Gals. per Sq. Yd.

Rates of application shall be as determined by the Engineer at the time of application.

Road approaches which require bituminous pavement shall be primed and a 2" thickness of pavement placed as follows:

Public approaches and entrances to buildings or residences shall be paved 50 ft. out from edge of shoulder or to the Right of Way line whichever is less. Field entrances shall be paved 4 ft. out from edge of shoulder.

It is estimated that 650 hours of flagging for controlling traffic will be required for this project.

Guard posts and/or delineators will be removed by State Forces.

Any layer of bituminous pavement that is to have a succeeding layer placed thereon shall be completed full width before succeeding layer is placed.

Depth of Moisture-Density control for this project shall be as follows:

Full depth of all embankments
Bases of cuts and fills 6 inches

Excavation required for compaction of bases of cuts and fills will be considered as subsidiary to that operation and will not be paid for separately.

The type of compaction for this project shall be "Modified."

It is estimated that 397 gallons of Pavement Marking Paint will be required for project. This quantity includes the following:

White Paint 296 gals. 335
Yellow Paint 41 gals. 106

The Engineer will establish all terminal points for no-passing zones on the project.

It is estimated that the following will be required for this project:

Delineators (Type I) Each 124
Delineators (Type III) 2

Delineators will be located as determined by the Engineer.

GRADING SECTION STA. 160+00 ~ STA. 175+00

See standards for details of cut slope treatment, flaring and widening.

Excavation below 4:1 slope and/or 10:1 slope will not be permitted.

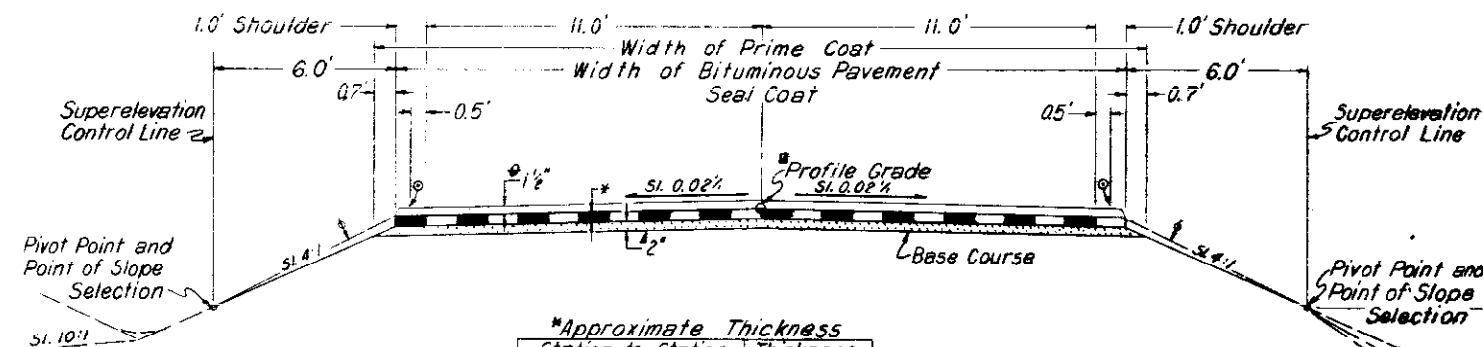
The depth and width of the side ditch shall be varied where necessary in order to provide proper drainage.

Break points on slopes and in bottom of ditches shall be rounded on construction for a pleasing appearance.

TYPICAL SECTIONS

SECTION A

STA. 0+00 ~ STA. 18+00
STA. 83+00 ~ STA. 122+00; STA. 132+00 ~ STA. 142+00;
STA. 153+00 ~ STA. 340+26.3



*Approximate Thickness

Station to Station	Thickness
0+00 ~ 7+00	2"
7+00 ~ 18+00	3"
83+00 ~ 122+00	2"
132+00 ~ 142+00	2"
153+00 ~ 340+26.3	2"

To be placed in two layers: 1 1/2" Top Layer
1 1/2" Bottom Layer

Future Construction
Approximate

The contractor will be required to place additional gravel or other suitable material to this line after completion of paving operation.

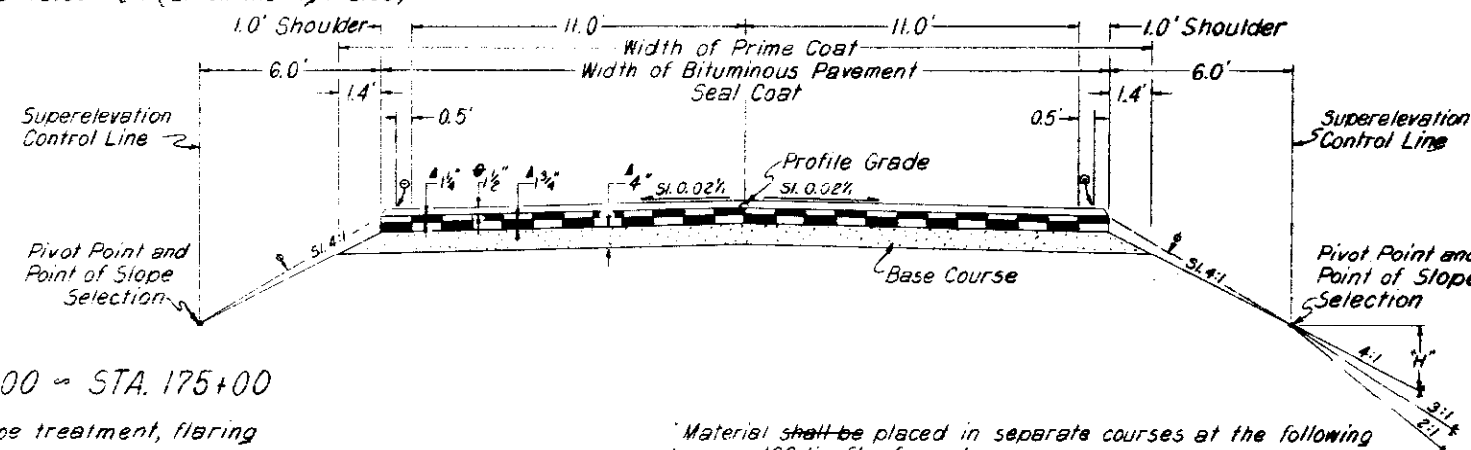
*FILL SLOPES

H	SLOPE
3' or less	4:1
3' to 5'	3:1
over 5'	2:1

Slopes were steepened at the following locations: Sta. 162+00 ~ 1 1/2'; Sta. 166+00 ~ 1 1/2'; Sta. 167+50 ~ 1 1/2'; Sta. 168+00 ~ 8'; Sta. 170+00 ~ 1 1/2'; Sta. 171+00 ~ 1 1/2'; Sta. 172+00 ~ 1 1/2'; Sta. 172+50 ~ 1 1/2'; Sta. 173+00 ~ 1 1/2' (all on the Right Side)

SECTION B

STA. 18+00 ~ STA. 83+00
STA. 122+00 ~ STA. 132+00
STA. 142+00 ~ STA. 153+00



Material shall be placed in separate courses at the following rates per 100 lin. ft. of roadway:

Bituminous Pavement	Section A	28 Tons
	Section B	18 Tons
	Top Layer	18 Tons
	Bottom Layer	25 Tons
Base Course	Section A	28 Tons
	Section B	57 Tons

Rate for 2" Layer, 3" Total thickness rate will be same as Section B

SUMMARY OF APPROXIMATE QUANTITIES

AS AMENDED
REVISED 4-29-70

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLORADO	C14-0009-07	3	8

CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	Ref: Sheet Book Page	Change Order #15604	Change Order #19488	Adjusted Totals	PROJECT TOTALS	FINAL TOTALS	Overruns & Underruns
203	Unclassified Excavation (Haul)	Cu. Yd.	1/26 1' 17"	-1,364'		2636'	4,000'	2636'	-
203	Stripping	Cu. Yd.	1' 14' 18"				10,000'	5174'	-4826'
203	Blading	Hour	1' 19' DOH #7				160'	160'	-
203	Dozing	Hour	1' 20' DOH #7				20'	20'	-
204	Haul	Ton Mi.	1' 21'		+23,000'	148,100'	125,100'	150,515'	+2415'
206	Structure Excavation (Haul)	Cu. Yd.	6' 1' 22' 58"				190'	246'	+56'
206	Structure Backfill (Class 3)(Haul)	Cu. Yd.	6' 1' 23' 58"				50'	106'	+56'
209	Wetting	M Gal.	1' 25' DOH #1				410'	496'	+86'
304	Aggregate Base Course (Class 6)	Ton	4' 1' 15' Scale Books		+1,350'	19,050'	17,700'	18,819.2'	-230.8'
403	Hot Bituminous Pavement (Grading E)	Ton	4' 1' 26' Scale Books		+1,350'	12,550'	11,200'	12,544.4'	-56'
411	Asphalt Cement (120-150 Pen)	Ton	1' 27' Form 49'		+81'	821'	740'	852.06'	+31.06'
411	Liquid Asphaltic Material (MC-70)	Gal.	1' 28' Form 6'		+4,000'	43,600'	39,600'	34,214'	-9386'
603	84 Inch Corrugated Steel Pipe	Lin. Ft.	6' 1' 29'				60'	60'	-
606	Guard Rail Type 3	Lin. Ft.	4' 1' 30'				450'	450'	-
612	Delineator (Type I)	Each	2' 1' 34'				124'	124'	-
612	Delineator (Type III)	Each	2' 1' 35' 34"				2'	2'	-
614	Flagging	Hour	2' 1' 36' DOH #7				650'	152'	-498'
614	Pavement Marking Paint	Gal.	2' 1' 37' 48"		85'	425'	340'	445'	+18'
620	Field Laboratory	Each	1' 38' 5'				1'	1'	-
620	Sanitary Facility	Each	1' 38' 6'				1'	1'	-
626	Mobilization	Lump Sum	1' 38' 8'				•	100%	-
	STATE FORCES		1' 39'						
	Signing	Lump Sum					•	100%	-

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	C 14-0009-07	5	8

SARGENT PIT

OWNER: L.D. & HELEN SARGENT, 1013 NINTH ST., WOODWARD, OKLAHOMA 73801
LOCATION: PART OF N1/2 OF THE SW1/4, SEC. 18, T.16S., R.72 W.

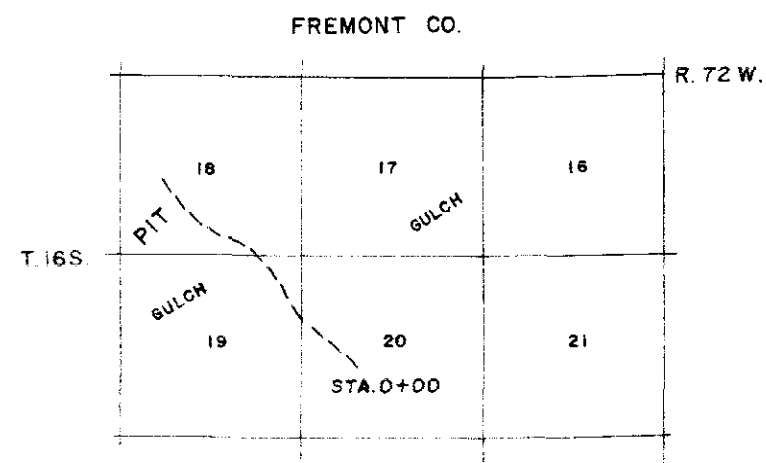
USE: AGGREGATE BASE COURSE & AGGREGATE FOR HOT BITUMINOUS PAVEMENT
QUANTITY AVAILABLE: 67,000 CU. YDS. (EXCLUDING OVERBURDEN)

STRIPPING: REMOVING OVERBURDEN ~~5,000~~ ^{4,888} CU. YDS.
REPLACING OVERBURDEN ~~5,000~~ ^{2,587} CU. YDS.

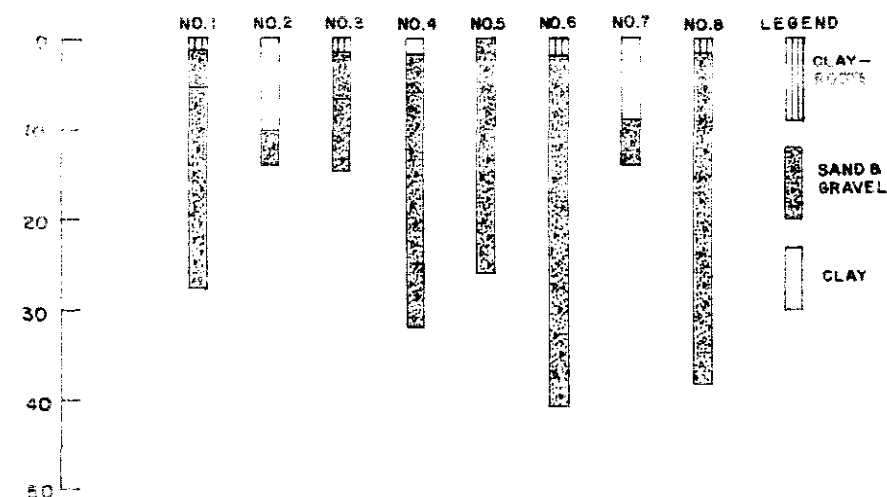
HAUL DISTANCE: 1.4 MILES TO STA. 0+00

Removed 30,500 Tons

SAMPLE NO. 4949



LOG OF PIT



NOTE:
TEST SHOWN AS OF
JULY 9, 1969

