



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001713

Description:

ROW Plans 11X17

Route # and Mile Points:

SH 145

Originating Office:

ROW/Survey

File Name:

S 0153(16)_ROW(.PDF)

Box Location:

27 of 38

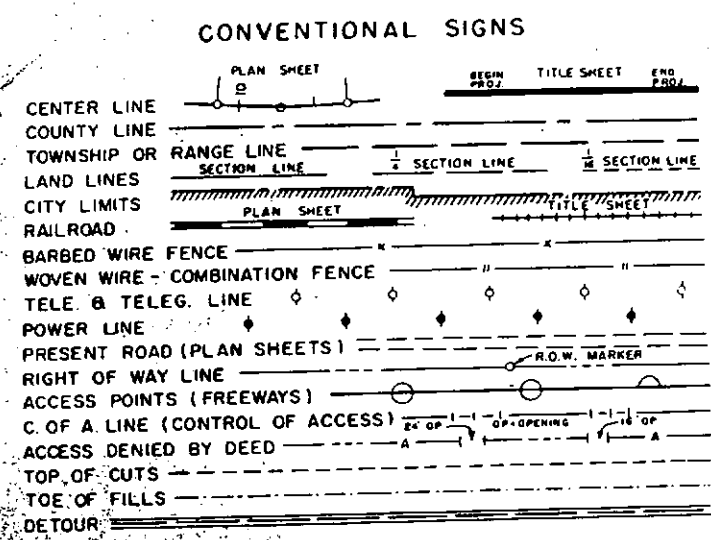
FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.
9	COLORADO	S 0153(16)

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S0153(16) STATE HIGHWAY NO. 145 DOLORES & SAN MIGUEL COUNTIES

INDEX OF SHEETS

- SHEET NO.
1. Sketch Map & Title Page.
 2. Typical Section, General Notes & Tabulation of Length & Design.
 3. Summary of Approximate Quantities.
 4. Surfacing Plan, List of Improvements, Pit Location Sketch and Typical Section of Trench for Underdrain.
 - 5+6. Summary of Soil Profile Tests of Completed Subgrade.
 7. Superelevation & Widening of Curves - Crowned Highways.
 8. Approach Roads, Flaring, Cut Slope Treatment, Bridge & Crest Widening.
 - 9+10. Construction Traffic Signs.
 11. Identification Signs.



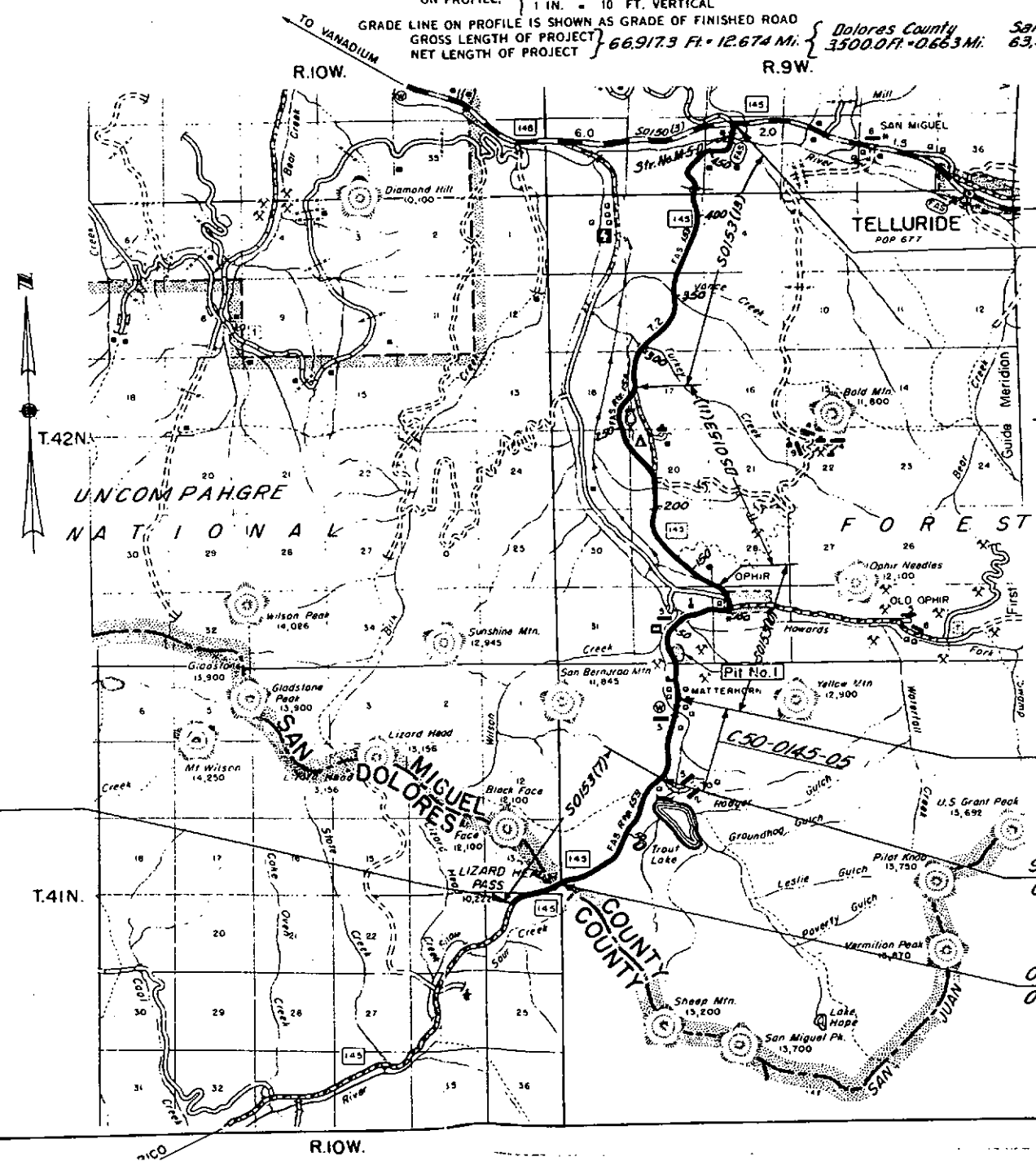
SCALES OF ORIGINAL DRAWINGS

ON PLAN, 1 IN. = 100 FT.
ON PROFILE, 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT } 66,917.3 Ft. = 12.674 Mi.
NET LENGTH OF PROJECT } 3500.0 Ft. = 0.663 Mi. (Dolores County) 63,417.3 Ft. = 12.011 (San Miguel County)

STA. 35+00 BEGIN S0153(16) =
STA. 35+00 on S0153(7) South Side

STA. 493+63.5 END S0153(16) =
STA. 493+63.5 End S0153(13)



SEE SPECIAL PROVISIONS FOR
NOTICE TO BIDDERS

COLORADO
DEPARTMENT OF HIGHWAYS

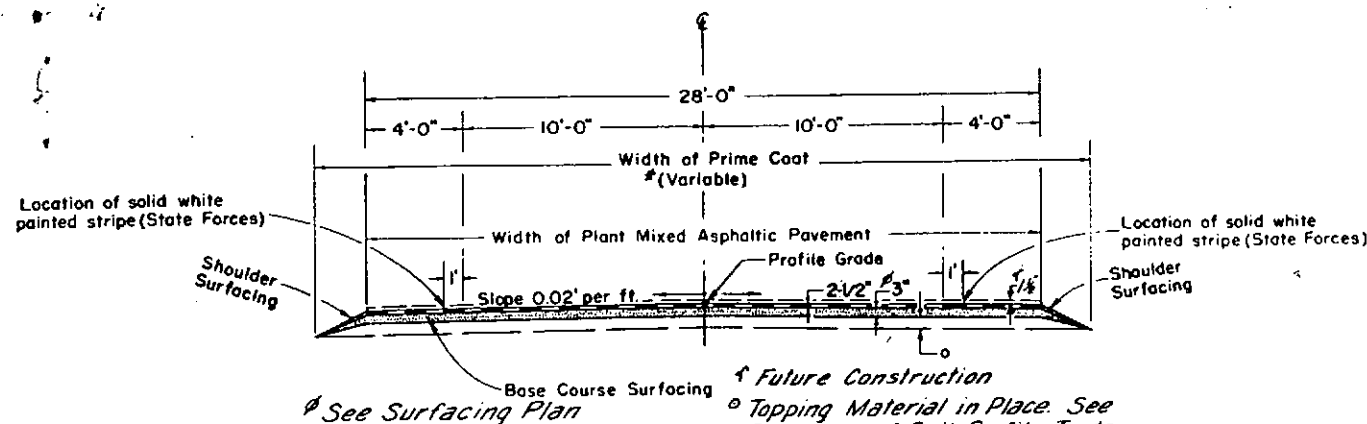
APPROVED:
W. E. M.
CHIEF ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:
DIVISION ENGINEER

W. E. M.

TYPICAL SECTION



Subbase material will be required intermittently throughout the project. Designated locations and estimated quantities involved are tabulated in the list of improvements.

* Width to be determined by the Engineer at time of application.

Variable compacted thickness of Gravel or Crushed Rock Surfacing shall be placed in separate courses at the following rates per 100 lin. ft. of roadway:

Plant Mixed Asphaltic Surfacing.....	42 Tons
Base Course Surfacing.....	50 Tons
Surfacing for Shoulder Areas.....	7 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.

All quantities on preliminary plans are to be considered approximate only.

During construction of this project traffic will use the present traveled roadway.

Thickness of Subbase and Surfacing Materials as shown on plans is approximate only. These materials are to be placed on the basis of tonnages shown on plans.

For alignment and grades see the following projects:
SO153(7) Lizard Head Pass, North & South.
C50-0145-05 Trout Lake - Matterhorn.
SO153(10) Matterhorn - Ophir.
DS 0153(11) North of Ophir.
SO153(13) Ophir - Telluride.

Profile Grade shall be the thickness of the Surfacing above the present roadbed.

For preliminary plan quantities of Asphaltic Road Materials the following rates of application were used:
Prime Coat..... @ 0.4 Gal. per Sq. Yd.
Asphalt..... @ 6.5% by weight.

Rate of application and grade of asphaltic material shall be as determined by the Engineer at time of application.

All side approach roads to the project shall be primed and asphaltic surfaced 2 1/2" thick as follows: field approaches, 4' out from edge of processed mat. All others, 50' out from edge of processed mat or to the Right of Way line, whichever is less.

Standard Identification Signs shall be placed Sta. 35+00, Rt. and Sta. 493+63.5, Lt.

It is estimated that 6 miles of blading and shaping will be required on this project. Actual locations shall be as designated by the Engineer at time of construction.

TABULATION OF LENGTH & DESIGN DATA

STATION	DOLORES COUNTY		SAN MIGUEL COUNTY	
	ROADWAY	ROADWAY	ROADWAY	ROADWAY
	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.
35+00 ~ Begin SO153(16) ~				
35+00 on SO153(7) South Side	3500.0			
0+00 ~ Dolores - San Miguel County Line				
67+00.0 Bk. ~ 67+50.0 Ah. Equation			6700.0	
95+81.0 Bk. ~ Begin SO153(7) ~			2831.0	
0+00 Ah. ~ Begin C50-0145-05			3452.4	
34+52.4 Bk. ~ 34+92.8 Ah. Equation			1507.2	
50+00.0 on C50-0145-05 ~				
0+00 Begin SO153(10)			681.4	
6+81.4 Bk. ~ 7+04.1 Ah. Equation			1353.8	
20+57.9 Bk. ~ 20+62.0 Ah. Equation			1809.2	
38+71.2 Bk. ~ 38+79.6 Ah. Equation			2684.6	
65+64.2 Bk. ~ 65+31.0 Ah. Equation			865.3	
73+96.3 Bk. ~ 75+75.0 Ah. Equation			904.3	
84+79.3 Bk. ~ 84+84.0 Ah. Equation			1831.2	
103+15.2 Bk. ~ 103+59.2 Ah. Equation			1652.6	
120+11.8 Bk. End SO153(10) ~				
120+00.0 Ah. Begin DS 0153(11)			2920.1	
149+20.1 Bk. ~ 149+24.1 Ah. Equation			2417.2	
173+41.3 Bk. ~ 173+43.7 Ah. Equation			713.0	
180+56.7 Bk. ~ 180+08.0 Ah. Equation			4163.7	
221+71.7 Bk. ~ 222+65.9 Ah. Equation			881.8	
231+47.7 Bk. ~ 231+61.9 Ah. Equation			3208.1	
263+70.0 End DS 0153(11) ~				
263+70.0 Begin SO153(13)			323.3	
266+93.3 Bk. ~ 266+99.3 Ah. Equation			18,016.7	
447+16.0 Bk. ~ 447+62.6 Ah. Equation			3360.5	
481+23.1 Bk. ~ 482+23.6 Ah. Equation			519.9	
487+43.5			23.0	
487+66.5		C.B.C. Str. No. M-5-D	597.0	
493+63.5 End SO153(16) ~				
493+63.5 End SO153(13)				
Totals	3500.0		63,417.3	

SUMMARY

	Lin. Ft.	Miles
SO153(16) Dolores County Roadway	3500.0	0.663
SO153(16) San Miguel County Roadway	63,417.3	12.011
SO153(16) NET & GROSS LENGTH	66,917.3	12.674

DESIGN DATA

Maximum Degree of Curve	24°00'
Maximum Grade	8.00 %
Minimum Sight Distance Horizontal	160'
Minimum Sight Distance Vertical	375'
Maximum Design Speed	30 M.P.H.