



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500002116

Description:

ROW Plans 11X17

Route # and Mile Points:

US 550

Originating Office:

ROW/Survey

File Name:

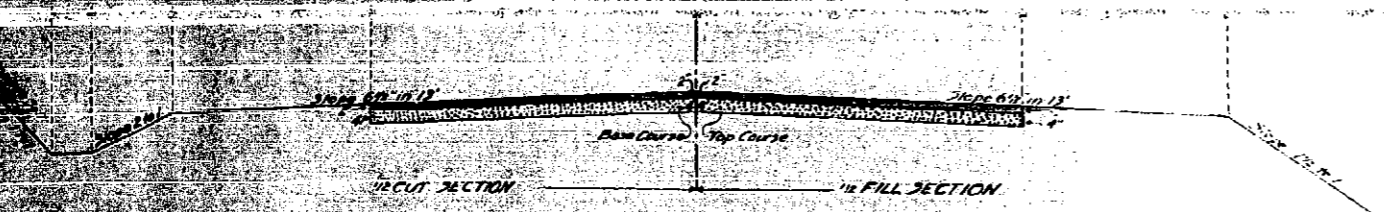
F.A.P. 266-C_ROW(.PDF)

Box Location:

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TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
COLO.	244-C	1	1



GENERAL NOTES

All borrow excavation required is available on the right of way or immediately adjacent thereto within 500 ft. but unless otherwise mentioned.

Structural Excavation shown on profile is approximate only.

All proposed Road Cross Curves and Side Drains are to be provided with standard handrails.

The Department estimates that gravel surfacing for this project will come from the pits indicated on this sheet and plan. It is estimated that 4,510 cubic yards will be required. This will be at 500 feet wide of road on gravel surfacing if the Contractor elects to use a 3/4" plus sieve than the above. Overhaul in excess of the Department's plan will not be allowed. It is estimated that 6,000 cubic yards of material can be obtained from this pit.

All pits are to be excavated from maximum of 12 inch per ft. width of roadway.

The inside ditch and should be furnished with pipe. Cross sections, the outside shoulder to be the half width of the 30' wide. The change is to take place within 100 ft. from the curve and half on each side of the largest.

5' wide of gravel to be furnished with 500' gravel used to flatten fill slopes between sections. It is estimated that 1,100 cubic yards of gravel are involved.

All roadway excavation is to be cut slope as shown on standard cross section is to be 1:1.5. Excavation to be 1:1.5.

Clearing and grubbing and removal of stumps and brush is to be considered approximate only. The same project is to be considered as work on the right of way. This work is to be included in the lump sum for this project.

Structural Excavation is to be 75% Common R25 R.F.S. each of which is estimated to be 75% of 22,540.

SUMMARY OF MATERIALS

No.	Item	Unit	Quantity
1	Clearing and Grubbing	Lump Sum	
2	Removing Structures		
3	Wire Fences	Lin. Ft.	900
3a	Common Excavation	Cu. Yd.	15,700
3b	Rock		13,000
3c	Borrow		11,800
6	Overhaul	Sta. Yd.	11,800
7a	Dry Common Struct. Excav.	Cu. Yd.	100
7b	Wet		30
7c	Dry Rock		30
7d	Wet		30
11a	12" Cor. Metal Culvert Pipe	Lin. Ft.	200
11b	18"		144
11c	24"		144
21	Gravel Surfacing	Cu. Yd.	4,510
22	Overhaul on Surfacing	St. Yd.	500
23a	Class B Concrete	Cu. Yd.	32
43a	Wire Cable Guard Fence	Lin. Ft.	800
44	Barbed Wire Fence	Each	500
61	Project Marker		7
62	Dry Rubble (Paving)	Cu. Yd.	205

Materials to be furnished & work to be done by State Forces: 22,540

LIST OF STRUCTURES

Sta.	Structure	Estimated Material			Concrete	Struct. Excav.	Excav.	Paved	Gravel	Struct. Paving	Other	
		15'	18'	24'								
30+00	Project Marker											
31+15	Remove 12" Wood Culvert											
33+00	Road 15' x 36" C.M.P. Culv.	34	34		2.3	7						
34+50	Road 15' x 36" C.M.P. Culv.	30			1.8	1						
36+00	Road 24' x 30" C.M.P. Culv.		30		3.9	9	5					
38+00	Road 24' x 30" C.M.P. Culv.		30		3.9	9	5					
39+00	Road 15' x 36" C.M.P. Culv.				1.8	1						
39+30	Road Guard Fence on Rt.								230			
41+00	Road Guard Fence Left								190			
41+24	Road 24' x 30" C.M.P. Culv.	60	36		3.9	9	8					
42+00	Road 15' x 36" C.M.P. Culv.		36		1.8	1						
42+12	Road 15' x 36" C.M.P. Culv.		36		1.8	1						
42+40	Road 15' x 36" C.M.P. Culv.		36		1.8	1						
43+00	Road 15' x 36" C.M.P. Culv.		36		1.8	1						
44+00	Road 15' x 36" C.M.P. Culv.		36		1.8	1						
44+10	Remove Fence									670		
44+70	Road Barbed Wire Fence									670		
45+00	Road Dry Rubble Wall										183	
45+75	Road Dry Rubble Wall										183	
46+00	Road Guard Fence on Rt.								280			
46+50	Road 15' x 36" C.M.P. Culv.		40		1.8	2						
46+100	Road 15' x 36" C.M.P. Culv.		40		1.8	2						
Totals		286	144	190	31.8	74	70	7	600	670	630	246

Structural Excavation is estimated to be 75% Common R25 R.F.S. each of which is estimated to be 75% of 22,540.

