

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	F016-1(4)	2	

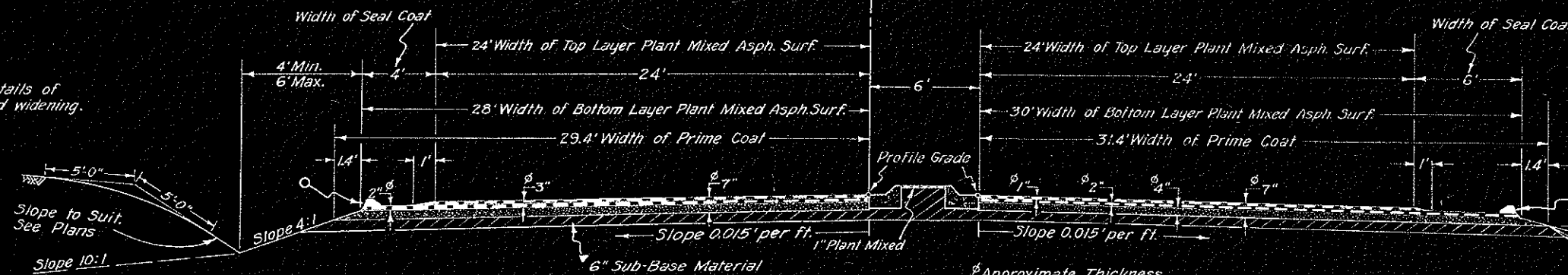
Rev. 11-5-59 M.R.H. Obl. old road

TYPICAL SECTION "A"

MAIN ROADWAY

(STA. 389+49.0 A.H. TO STA. 503+67.0 BK)

NOTE:
See Standard M-2-EN for details of cut slope treatment, flaring and widening.



Excavation or Borrow 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.

Material above the subgrade is to be constructed of Sub-Base Material at locations designated in Sub-Base Material tabulation. Estimated quantities involved in this operation and thickness of material required are tabulated in the Sub-Base Material Plan.

Approximate Thickness

Approximate 7" compacted thickness of Gravel or Crushed Rock Surfacing shall be placed in separate courses at the following rates per 100 lin. ft. of roadway:

1" Top Layer Plant Mixed Asphaltic Surfacing	30 Tons
2" Bottom Layer Plant Mixed Asphaltic Surfacing	71 Tons
4" Base Course Surfacing	132 Tons

The 2" bottom layer of Bituminous Surfacing shall be completed for full width before 1" top layer is placed. Paving joints in top layer will overlap a minimum of 1 ft. over joint in bottom layer.

FILL SLOPES:

- On Tangent
 - Slope 4:1 where "H" is 3' or less.
 - Slope 2:1 where "H" is over 3'
 - Slope 1 1/2:1 where "H" is over 3' (Rock)
- On Curves
 - Slope 4:1 where "H" is 5' or less.
 - Slope 2:1 where "H" is over 5'
 - Slope 1 1/2:1 where "H" is over 5' (Rock)

PLANT MIXED SHOULDER ROLL
(For approximate locations and quantities see tabulation on Sheet No. 9)

OBLITERATING OLD ROAD

STA. TO STA.	SIDE
391+ — 394+	LT.
418+ — 422+	LT.
424+ — 427+	RT.
428+ — 431+	LT.
433+ — 436+	RT.
476+ — 478+	LT.
487+ — 488+	LT.
21+ — 24+	LT.

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.

All poles encroaching on construction are to be moved by the owners.

All curves are to be superelevated and widened as provided by the Standard Superelevation sheet included with the plans. (Max. 0.08 ft. per ft.)

The force account item, "Clearing of Building Sites, including removal of Foundations and Appurtenances," shall include removal of all foundations, wells, outhouses and other appurtenances not removed by the owner, and any necessary backfilling of cellars, cess pools, wells, etc., to provide neat road-side conditions. It is estimated that this item applies at the following locations: Sta. 426+ to 427+, 433+ to 435+, and 22+ to 23+.

It is estimated that the old road is to be obliterated as shown in tabulation elsewhere on this sheet.

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.

For preliminary plan quantities of Asphaltic Road Materials and Stone Screenings, the following rates of application were used:

PRIME COAT MC	@ 0.40 GALS. PER SQ. YD.
PAVING ASPHALT (85-100 PEN.)	@ 7.12 LBS. PER SQ. YD. PER INCH
SEAL COAT RC	@ 0.28 GALS. PER SQ. YD.
STONE SCREENINGS - TYPE I	@ 24 LBS. PER SQ. YD.

Rate of application and grade of Asphaltic Material shall be as determined by the Engineer at time of application.

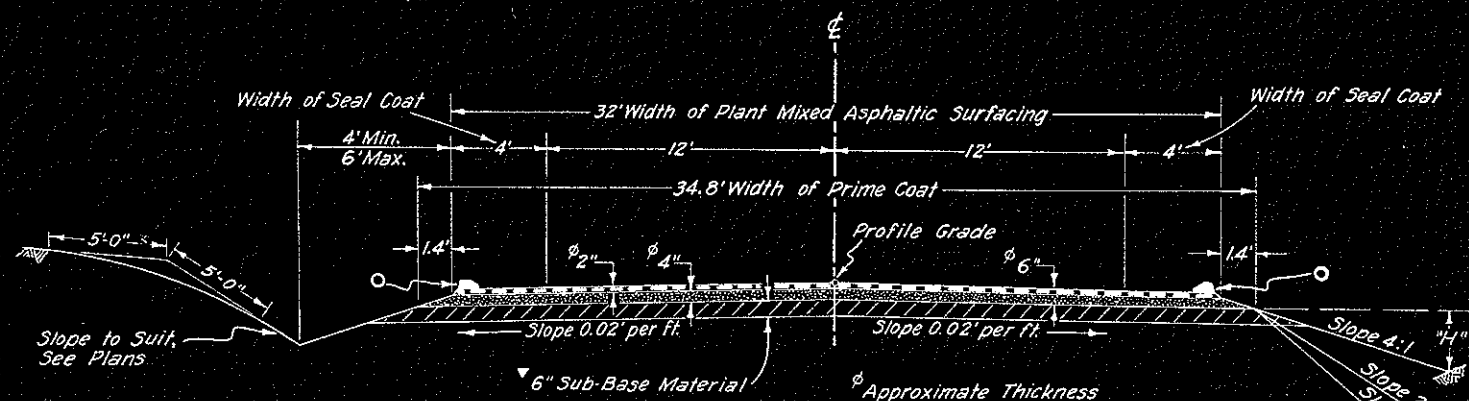
Application methods for liquid asphaltic road material which result in the discoloration of concrete pavement, curbs, or gutters will not be permitted.

All side approach roads to the project designated by the Engineer shall be Primed and Asphaltic Processed to approximately 50 feet out from edge of the roadway travel lanes or to the Right of Way line, whichever is less. See List of Structures for estimated locations and quantities involved.

TYPICAL SECTION "B"

MORRISON APPROACH

APPROACH TO PROJECT [STA. (-) 2+42.0 A.H. TO STA. 28+00]



Approximate 6" compacted thickness of Gravel or Crushed Rock Surfacing shall be placed in separate courses at the following rates per 100 lin. ft. of roadway:

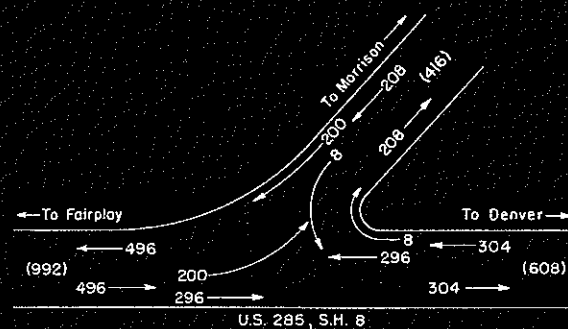
2" Plant Mixed Asphaltic Surfacing	39 Tons
4" Base Course Surfacing	75 Tons

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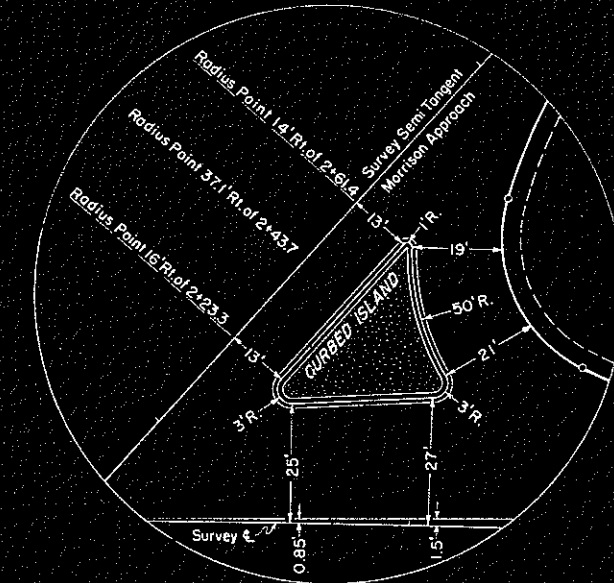
DETAILS OF INTERSECTION STA. 508+ (FUTURE CONSTRUCTION) SEE PLAN-PROFILE SHEETS FOR PRESENT CONSTRUCTION

TURNING MOVEMENT COUNT

TRAFFIC LEGEND
Design Hourly Volume
304 = 20 Years Hence



NOTE:
All dimensions are to face of curb.



PROJECTED LINE
θs = 12°00'
Ls = 300.0'
L.T. = 200.46'
S.T. = 100.42'

PROJECTED LINE
SURVEY LINE

PROJECTED LINE
Δs = 46°19' Lt.
Ts = 473.4'
Es = 74.5'
Δc = 24°15'
Dc = 8°00'
Tc = 154.3'
Lc = 304.0'
Rc = 716.25'

Δ = 24°20'
D = 47°45'
T = 25.9'
L = 51.0'
R = 120.0'

Δ = 80°00'38"
D = 191°00'
T = 25.2'
L = 41.9'
R = 30.0'

Δ = 12°00'
D = 2°30'
T = 240.88'
L = 480.00'
R = 2292.0'

Surv.
Δ = 28°42' Rt.
Ts = 833.1'
Es = 92.9'
Δc = 24°42'
Dc = 2°00'
Tc = 627.3'
Lc = 1235.0'
Rc = 2865.0'

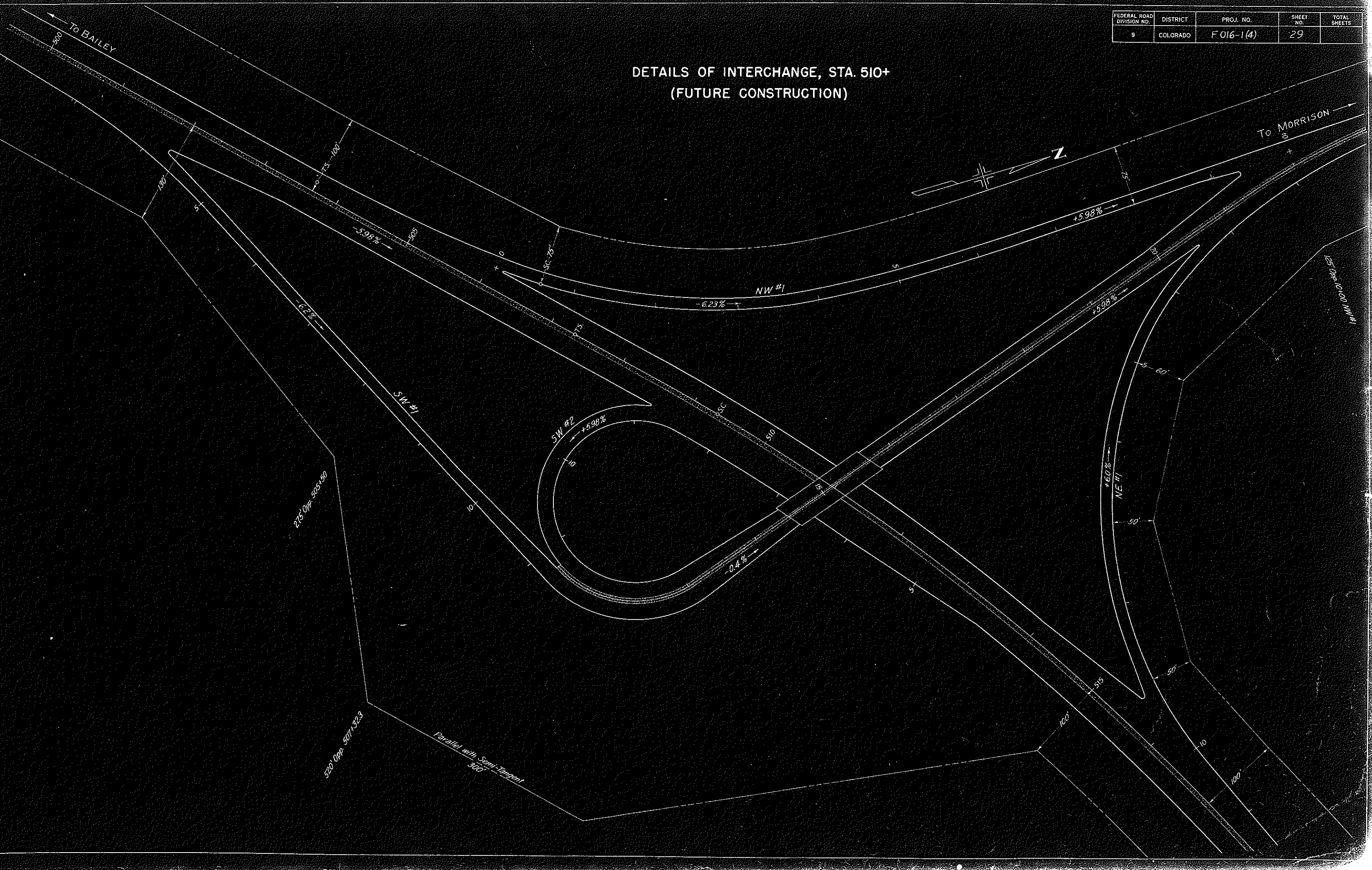
LEGEND	
EDGE OF TRAVEL LANE	—————
CENTER LINE	—————
EDGE OF SHOULDER	- - - - -

θs = 8°29'
Ls = 200'
L.T. = 133.49'
S.T. = 66.81'

Δ = 1°31'
D = 0°30'
T = 151.7'
L = 303.3'
R = 11,460.0'

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DETAILS OF INTERCHANGE, STA. 510+ (FUTURE CONSTRUCTION)



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9	COLO.	F016-1(4)	33	

