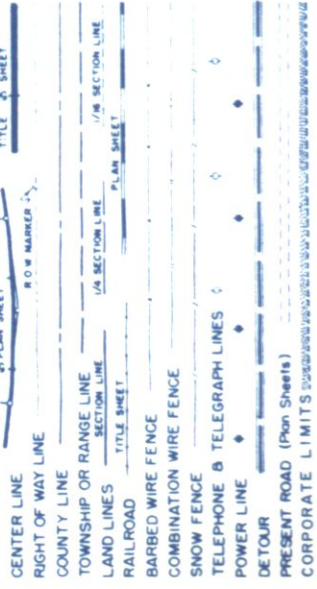


COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. S 0030 (9)
 STATE HIGHWAY NO. 52
 WELD COUNTY

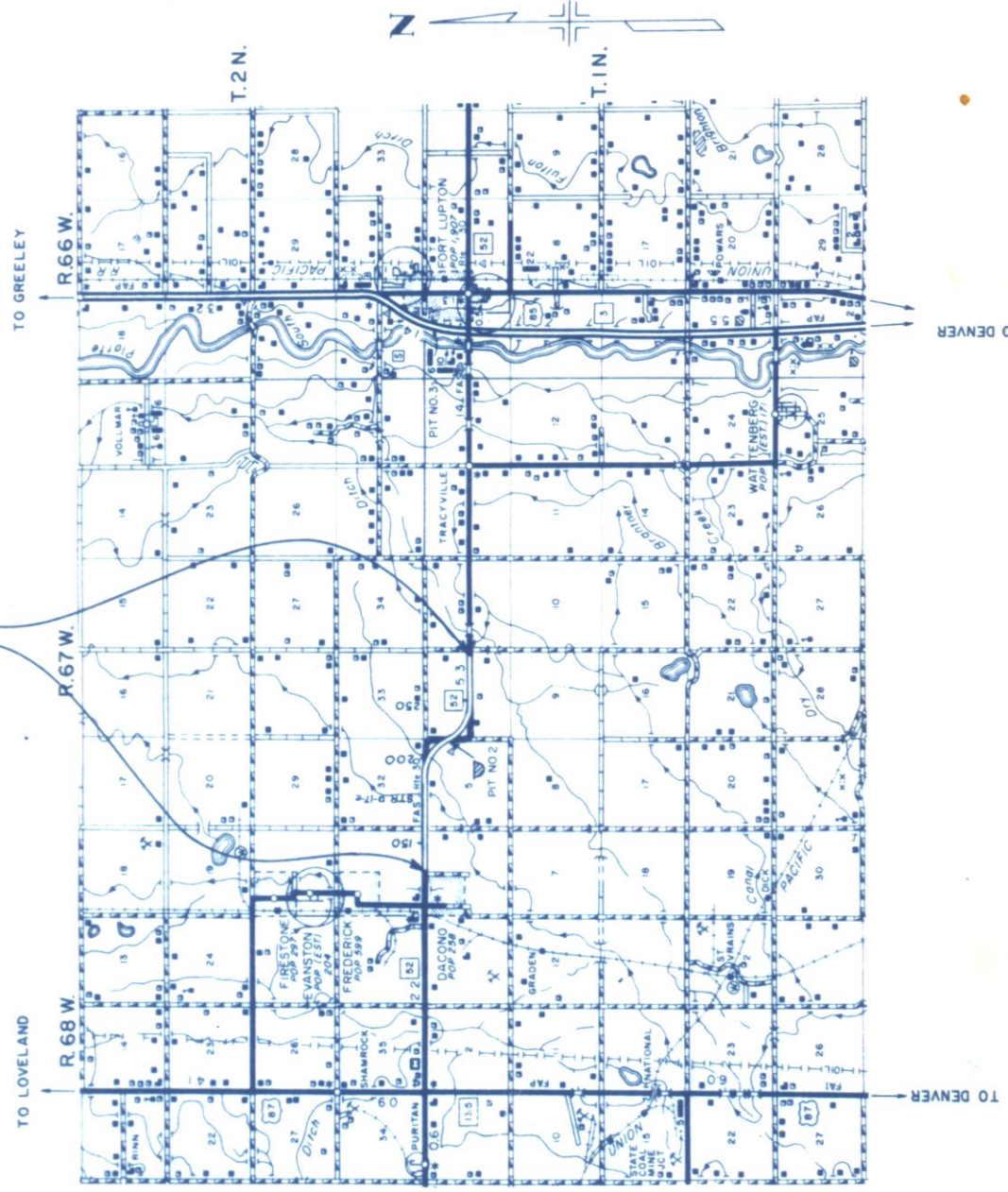
AS COMPLETED PLAN
 RETURN TO DIST. & DESIGN

CONVENTIONAL 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 14,665.1 FT. = 2.777 MI.
 NET LENGTH OF PROJECT 14,665.1 FT. = 2.777 MI.

STA. 132+01.5 BEGIN S 0030 (9) = STA. 278+50 END S 0030 (9)
 STA. 132+01.5 END S 0030 (8) = STA. 278+50 BEGIN S 0030 (6)



TABULATION OF LENGTH & DESIGN DATA

DESCRIPTION	ROADWAY LIN. FT.
132+01.5 BEGIN S 0030 (9) = 132+01.5 END S 0030 (8)	1,855.0
150+56.5 BK = 150+54.7 AH. EQUATION	9,185.4
242+40.1 BK = 242+25.3 AH. EQUATION	3,624.7
278+50 END S 0030 (9) = 278+50 BEGIN S 0030 (6)	
TOTALS	14,665.1
SUMMARY	
ROADWAY	LIN. FT. MILES 14,665.1 2.777
DESIGN DATA	
MAXIMUM DEGREE OF CURVE	4°
MAXIMUM GRADE	2.69%
MINIMUM N.P.S.D. HORIZONTAL	> 1,300'
MINIMUM N.P.S.D. VERTICAL	945'
MAXIMUM DESIGN SPEED	70 MPH

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET, SKETCH MAP, AND TABULATION OF LENGTH & DESIGN DATA.
2	TYPICAL CROSS SECTION OF IMPROVEMENT, GENERAL NOTES, DETAIL OF CONCRETE HEADWALL STA 175+, DETAILS OF CONCRETE DIVISION BOXES STA'S 158+ & 173+, AND DETAIL OF PARSHALL METAL MEASURING FLUME STA. 175+.
3	SUMMARY OF APPROXIMATE QUANTITIES.
4	LIST OF STRUCTURE QUANTITIES.
5	PIT SKETCHES AND SUB-BASE & SURFACING PLAN.
6	TABULATIONS OF FENCING REQUIREMENTS, ROW MARKERS, & TIMBER GUARD POSTS; AND SUMMARY OF EARTHWORK QUANTITIES.
7	STANDARD METHODS FOR SUPERELEVATION AND WIDENING OF CURVES.
8	STANDARD SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT, AND WIDENING AT BRIDGES & AT CREST OF GRADES.
M-2-EN	STANDARD MARKER POSTS AND BENCH MARKS.
M-7-D	STANDARD LETTERS & FIGURES FOR YEAR NUMBERS AND STRUCTURE NUMBERS.
M-10-D	STANDARD TIMBER GUARD POSTS.
M-19-E	STANDARD WIRE FENCE WITH METAL POSTS.
M-27-D	STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS.
M-29-C	STANDARD SINGLE AND DOUBLE CONCRETE BOX CULV. (SPEC. REV.)
M-60-B	STANDARD METHODS OF BACKFILL AROUND STRUCTURES.
M-102-J	STANDARD HEADWALLS AND APRONS FOR CMP CULVERTS.
M-107-D	STANDARD TYPES OF DITCHES AND CONSTRUCTION METHODS.
M-112-G	REINFORCED CONCRETE CULVERT PIPE AND CONCRETE SEWER PIPE.
M-118-B	STANDARD END & ANGLE SECTIONS AND EXPANSION JOINTS FOR CONCRETE PIPE.
M-31-A	ALIGNMENT PLAN & PROFILE SHEETS.

SEE SPECIAL PROVISIONS FOR NOTICE TO BIDDERS

COLORADO
 DEPARTMENT OF HIGHWAYS

APPROVED: *Neil T. Peterson*
 CHIEF ENGINEER
 DATE: 5-16-60



APPROVED: _____
 DATE: _____

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED: _____
 DATE: _____

DIVISION ENGINEER



