

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	9 R-3	1	

Revised 8-5-35 H.W.M. & P.L.
Rev. 11-26-35 Sh. 9a added. H.W.M.
1/27/37 Checked R.K.W.

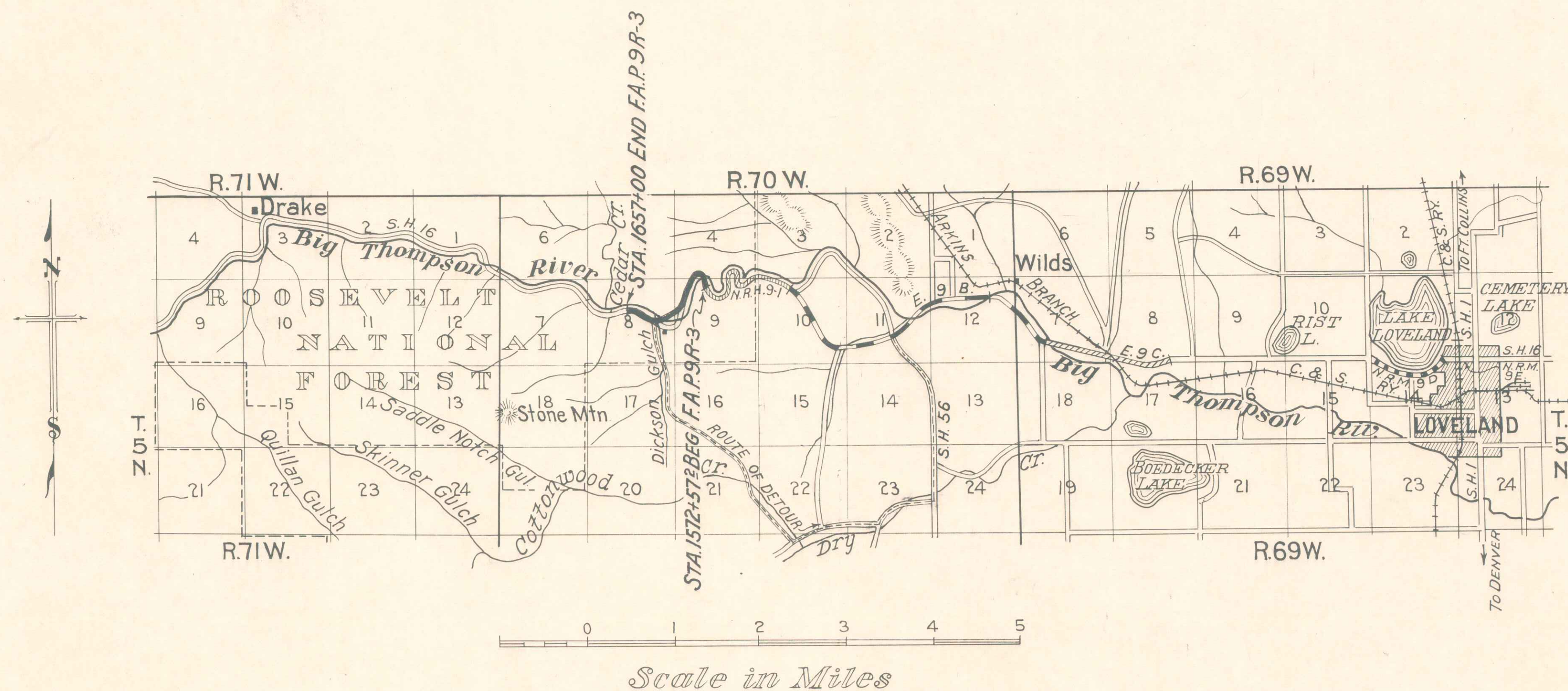
COLORADO STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. 9 R-3 STATE HIGHWAY NO. 16 LARIMER COUNTY

INDEX OF SHEETS	
SHEET NO. 1- TITLE SHEET	
" " 2- TYPICAL SECTION & SUMMARY	
" 3- 7- DETAILS FOR BRIDGE AT STA. 1576+	
" 8, 9, 9a, 10 " " " " STA. 1616+	
" 11- 13- " " " " STA. 1624+	
" NO. 14- STD. LETTERING SHEET FOR STRUCTS	M-10-A
" " 15- " WIRE CABLE GUARD FENCE	M-20-G
" " 16- " WIRE FENCES & MARKERS	M-27-A
" " 17- " CULVERT HEADWALLS	M-102-E
" " 18- " SUPERELEVATIONS & WIDENING	M-1-A
" 19- 21- PLAN & PROFILE SHEETS	
" 22- 112- CROSS SECTION " "	
" 18 a- TYPICAL ROAD APPROACHES & TRAFFIC SIGNS	M-2-B

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY 1500
RIGHT OF WAY LINE ---
TOWNSHIP LINE ---
SECTION LINE ---
ONE QUARTER SECTION LINE ---
RAILROADS ++++++
BARBED WIRE FENCE x x x
WIRE CABLE GUARD FENCE ---
POLE LINE + + +

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 } 8,161.5 FT. = 1.545 MI.
NET LENGTH OF PROJECT }



NOTE
It is recommended that bidders on this Project go over the plan details with one of the following field representatives of this department:
A. B. Collins, Division Engineer, located at Greeley, Colo.
Clyde Walters, Resident Engineer, " " Drake, Colo.

RECOMMENDED FOR APPROVAL 5/11/35

J. E. Halliday
ASSISTANT ENGINEER

APPROVED
Chas. D. Vail
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL

CHIEF ENG. BUREAU PUBLIC ROADS

RECOMMENDED FOR APPROVAL

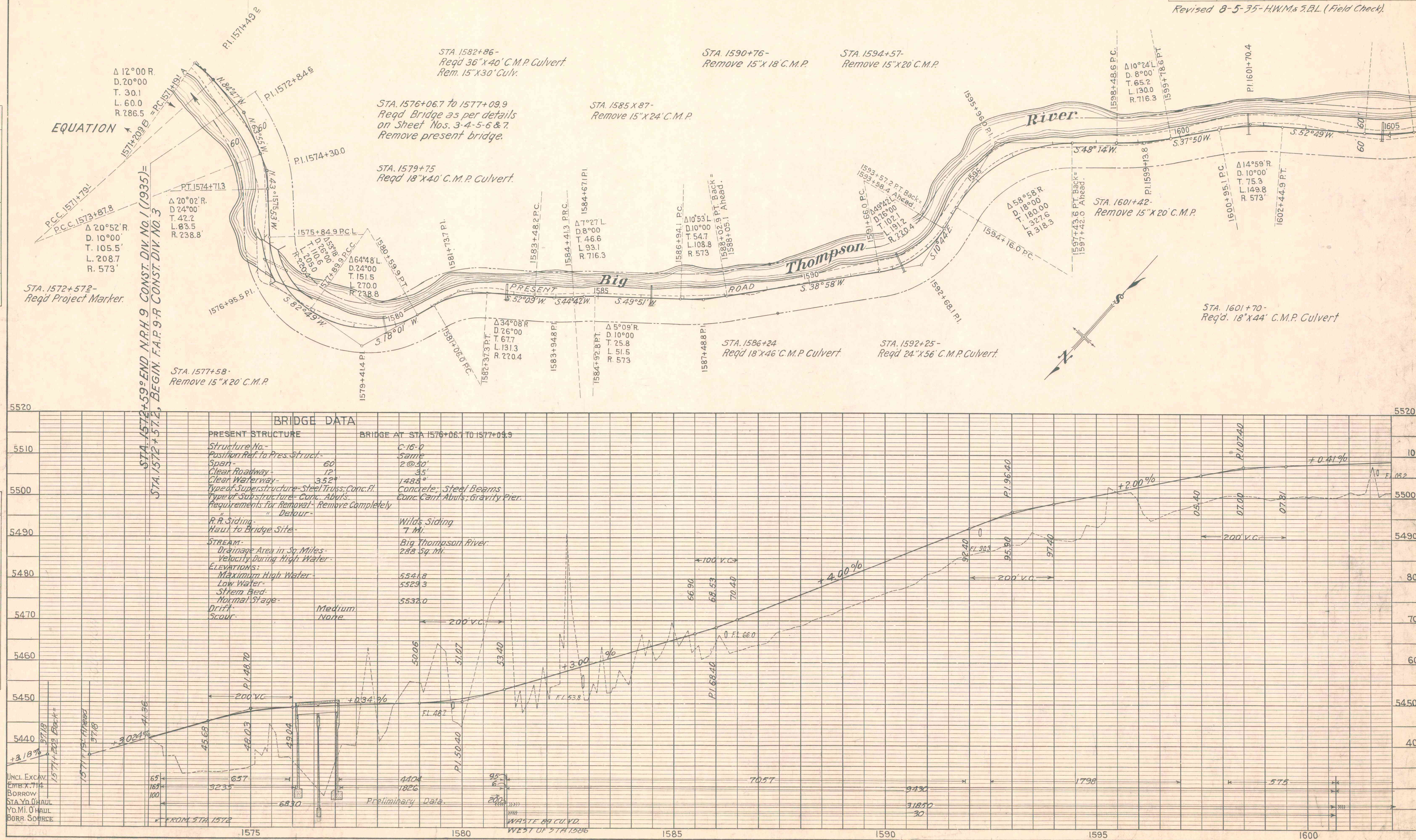
CHIEF ENG. BUREAU PUBLIC ROADS

APPROVED

DIRECTOR BUREAU PUBLIC ROADS

PLAN	SURVEYED	BY	DATE
	PLOTTED NOTE BOOK ALIGNMENT CHECKED RT. OF WAY CHECKED NO. _____		

PROFILE		BY	DATE
	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	B. M.'S NOTED		
NO.	STRUCTURE NOTAT'NS CH'KD.		



N.W. 4 SEC. 9

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLORADO	9R# 3	20	

Revised 8-5-75 H.W.M. & B.L. (Field Check)

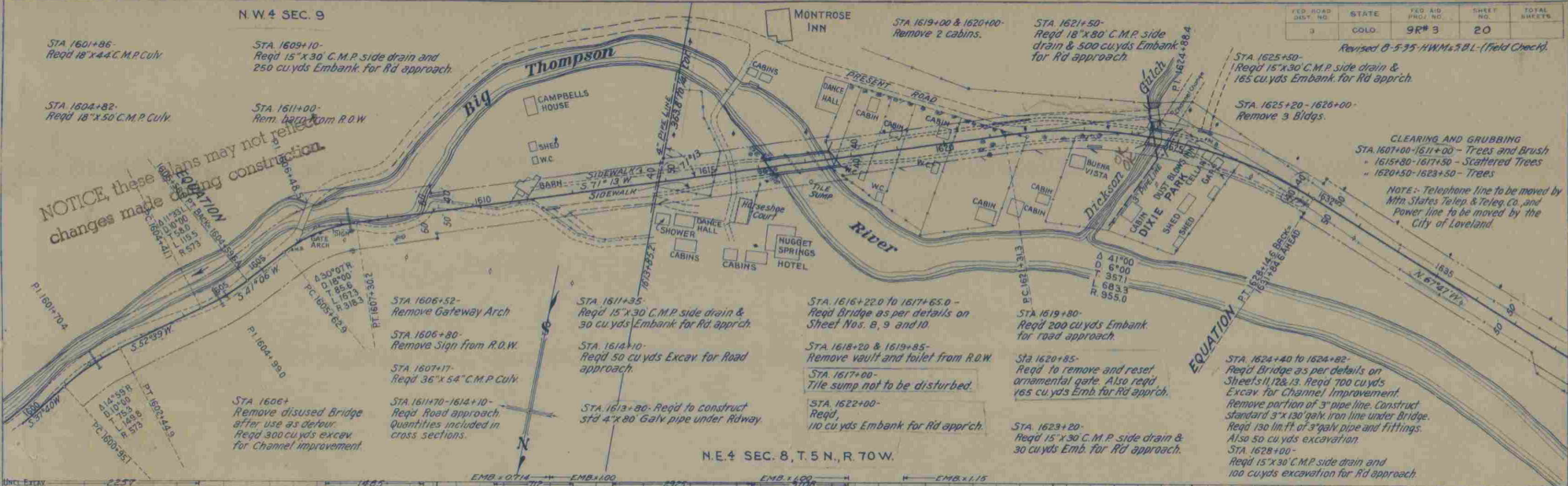
STA 1601+86-
Reqd 18"x44" C.M.P. Culv.

STA 1609+10-
Reqd 15"x30" C.M.P. side drain and
250 cu.yds Embank. for Rd approach.

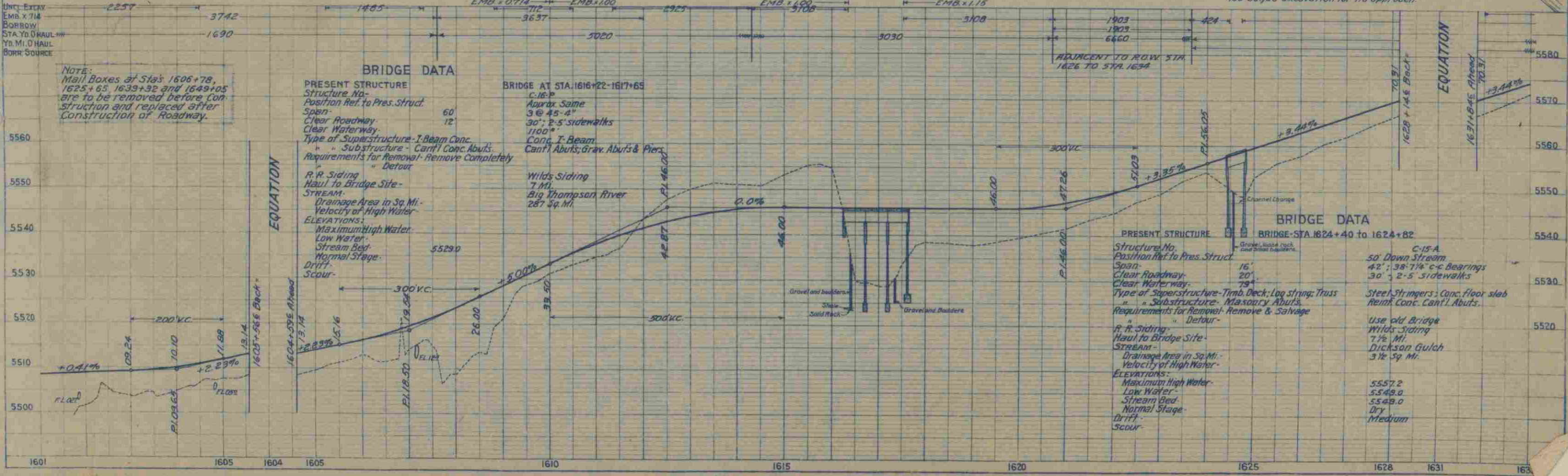
STA 1604+82-
Reqd 18"x50" C.M.P. Culv.

STA 1611+00-
Rem. Guard from R.O.W.

NOTICE, these plans may not reflect changes made during construction.



N.E. 4 SEC. 8, T. 5 N., R. 70 W.



BRIDGE DATA

PRESENT STRUCTURE
Structure No. 1606+78
Position Ref. to Pres. Struct. 60
Span 12'
Clear Roadway 12'
Clear Waterway 1100'
Type of Superstructure - T-Beam Conc.
Substructure - Cant'l Conc. Abutts.
Requirements for Removal - Remove Completely
" Detour
R.R. Siding
Haul to Bridge Site -
Stream -
Drainage Area in Sq. Mi. -
Velocity of High Water -
ELEVATIONS:
Maximum High Water -
Low Water -
Stream Bed -
Normal Stage -
Drift -
Scour -

BRIDGE AT STA. 1616+22-1617+65
C-16-P
Approx. Same
3 @ 45'-4"
30" x 2'-5" sidewalks
1100'
Conc. T-Beam
Cant'l Abutts; Grav. Abutts & Piers
Wild's Siding
7 Mi.
Big Thompson River
287 Sq. Mi.

BRIDGE DATA

PRESENT STRUCTURE
Structure No. 1624+40
Position Ref. to Pres. Struct. 42'
Span 16'
Clear Roadway 20'
Clear Waterway 79'
Type of Superstructure - Timb Deck; Log String; Truss
Substructure - Masonry Abutts.
Requirements for Removal - Remove & Salvage
" Detour
R.R. Siding
Haul to Bridge Site -
Stream -
Drainage Area in Sq. Mi. -
Velocity of High Water -
ELEVATIONS:
Maximum High Water -
Low Water -
Stream Bed -
Normal Stage -
Drift -
Scour -

BRIDGE - STA 1624+40 to 1624+82
C-15-A
50' Down Stream
42'; 38'-7 1/4" c-c Bearings
30" x 2'-5" sidewalks
Steel Stringers; Conc. floor slab
Reinf. Conc. Cant'l Abutts.
Use old Bridge
Wild's Siding
7 1/2 Mi.
Dickson Gulch
3 1/2 Sq. Mi.
5557.2
5549.0
5548.0
Dry
Medium

STA. 1633+80-
Remove Sign from R.O.W.

N.E.4 SEC.8

N.W.4 SEC.8, T.5 N., R. 70 W.
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLC.	9R#3	21	

Revised 8-5-35-H.W.M.S.B.L.-(Field Check)

$\Delta 15^{\circ}10'$
D. 4'00"
T. 190.7
L. 379.2
R. 1432.5

$\Delta 21^{\circ}07'$
D. 4'00"
T. 267.0
L. 527.9
R. 1432.5

STA. 1658+40-
Req'd 15"x30" C.M.P. side drain &
50 cu yds Embank. for Rd apprch.

EQUATION

STA. 1638+90-
Req'd 18"x44" C.M.P. Culvert &
5 cu yds Excav. for Outlet.

STA. 1639+10-
Req'd 50 cu yds
Embank. for Rd approach.

STA. 1639+25-
Remove cabin from R.O.W.

STA. 1643+15-
Req'd 18"x36" C.M.P. Culv.
Remove 15"x36" C.M.P.

STA. 1646+85-
Req'd 18"x36" C.M.P. Culv.
and 10 cu yds Excav. for
outlet.

STA. 1649+10-
Remove wood walk & steps.

STA. 1652+96-
Req'd 18"x34" C.M.P. Culv. &
10 cu yds excav. for outlet.
Rem. 15"x34" C.M.P.

STA. 1654+90- Req'd
20 cu yds embank. for
Rd approach.

