

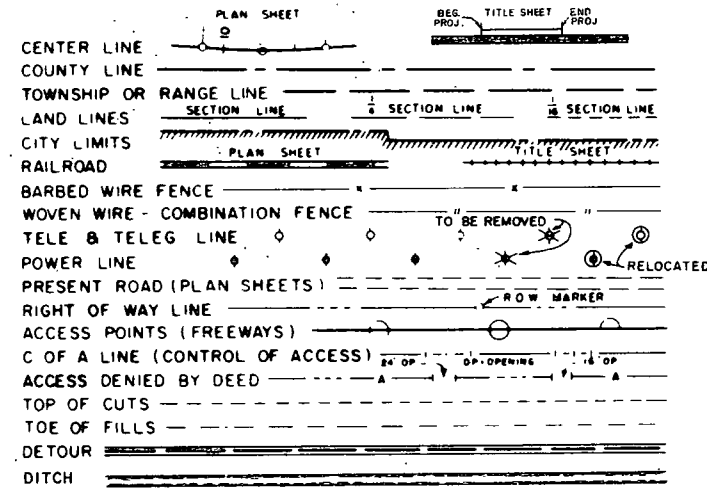
INACTIVE

STATE DEPARTMENT OF HIGHWAYS
DIVISION OF HIGHWAYS—STATE OF COLORADO

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	SHEET NO.
9	COLORADO	C 60-0279-04	1

TITLE SHEET

CONVENTIONAL SIGNS



PLAN AND PROFILE OF PROPOSED

STATE PROJECT NO. C 60-0279-04

STATE HIGHWAY NO. 279

GILPIN COUNTY

AS CONSTRUCTED

REVISED DATE FEB 13 1969

SCALES OF ORIGINAL DRAWINGS

ON PLAN: 1 IN. = 20 FT.
ON PROFILE: 1 IN. = 20 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL

CONSTRUCT CONCRETE COVER OVER CHANNEL
NET & GROSS LENGTH OF PROJECT 1235.0 FT. = 0.234 MILES

CONTRACTOR: RAMSOUR BROS., INC.
RESIDENT ENGR: RUSSELL A. GLAD
DATE COMPLETED: FEBRUARY 13, 1969

INDEX OF SHEETS

SHEET NO

1. SKETCH MAP & TITLE PAGE.
2. TYPICAL SECTION & GENERAL NOTES.
3. SUMMARY OF APPROXIMATE QUANTITIES. FINAL
4. STRUCTURE QUANTITIES AND FORCE ACCOUNT.
- 5-7. PLAN SHEETS.
- M-614-A TIMBER BARRICADES. 7-1-65
- M-614-TB TRAFFIC SIGNING FOR HIGHWAY CONSTRUCTION. (3 SHEETS) 7-8-68

"As Constructed NO Revisions"

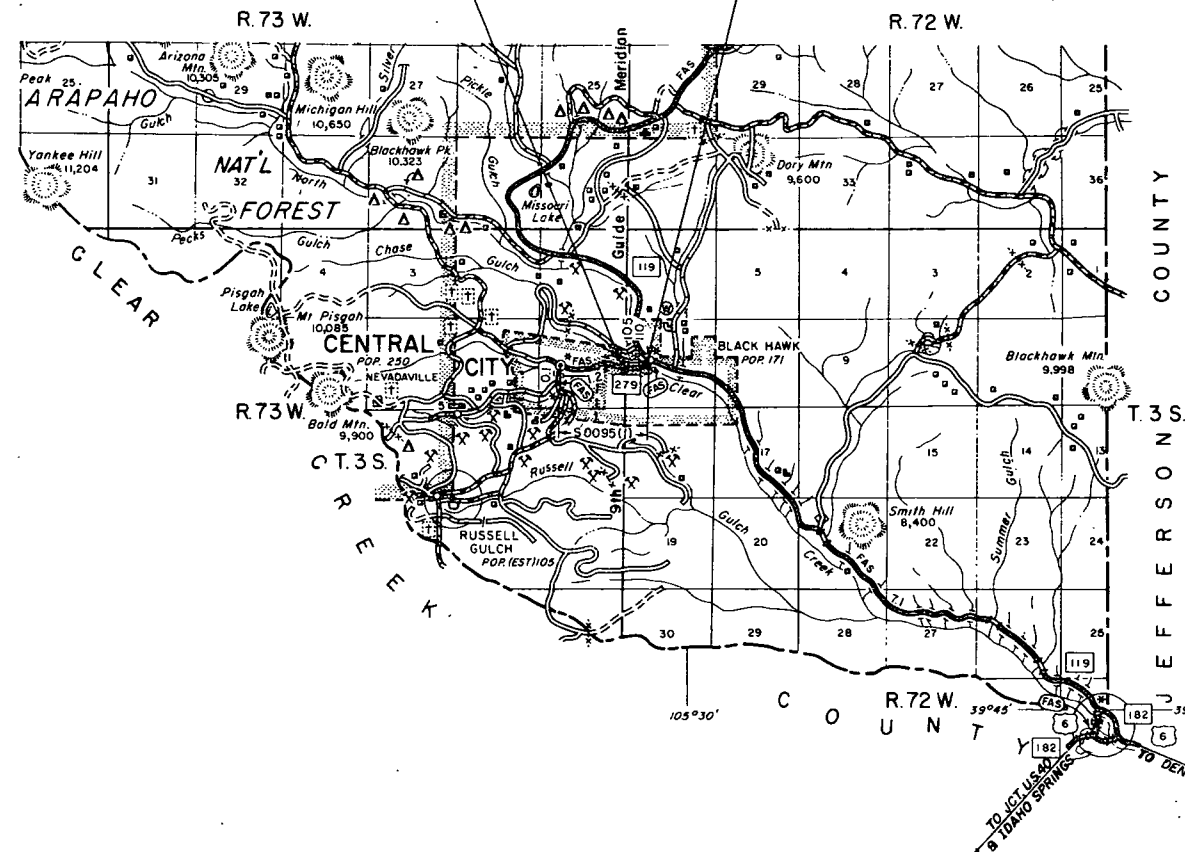
Sheet NO. 2

"VOID By Construction"

Sheet NO. 4

STA. 102+16.5 BEGIN C60-0279-04 =
STA. 52+ ON S0095(1) CONST.

STA. 114+51.5 END C60-0279-04 =
STA. 64+ ON S0095(1) CONST.



INACTIVE

SEE SPECIAL PROVISIONS FOR
NOTICE TO BIDDERS

DIVISION OF HIGHWAYS	
APPROVED: <i>Charles E. Blum</i>	DATE: 11/1/68
CHIEF ENGINEER	

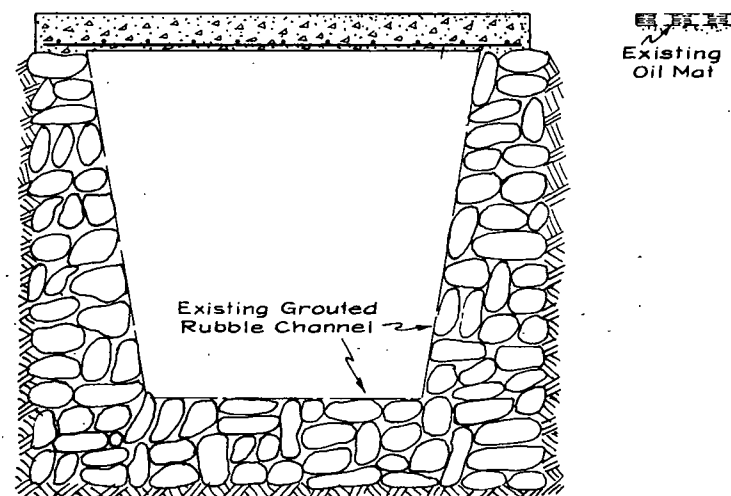
P.D.L.

TYPICAL SECTIONS

FEDERAL ROAD REGION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	C 60-0279-04	2	

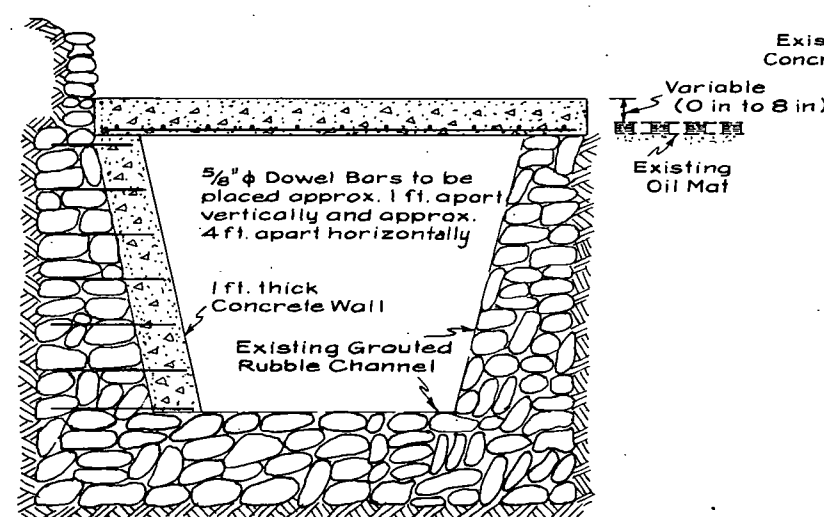
TYPICAL SECTION A

STA. 102+16.5 TO STA. 103+80
STA. 104+14 TO STA. 106+64
STA. 107+15 TO STA. 109+00
STA. 111+94.5 TO STA. 114+51.5



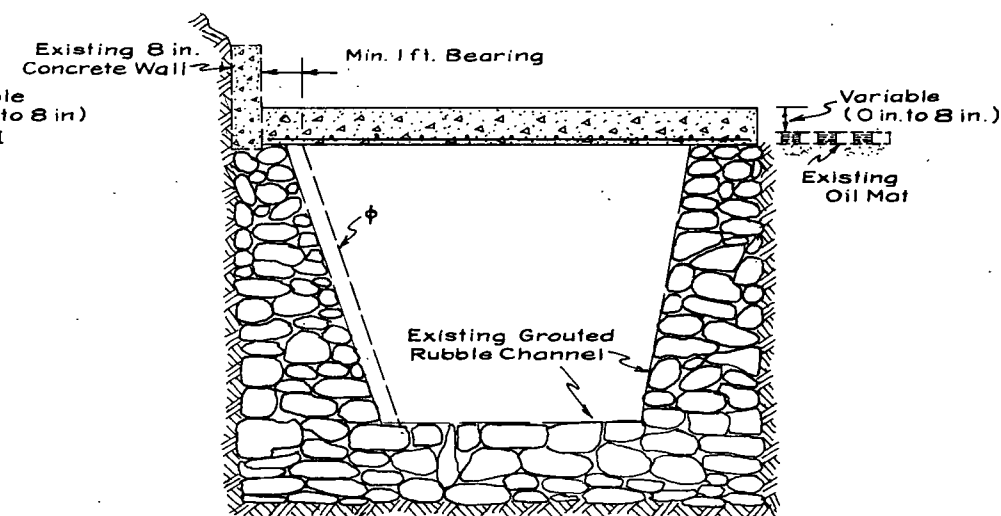
TYPICAL SECTION B

STA. 103+80 TO STA. 104+14



TYPICAL SECTION C

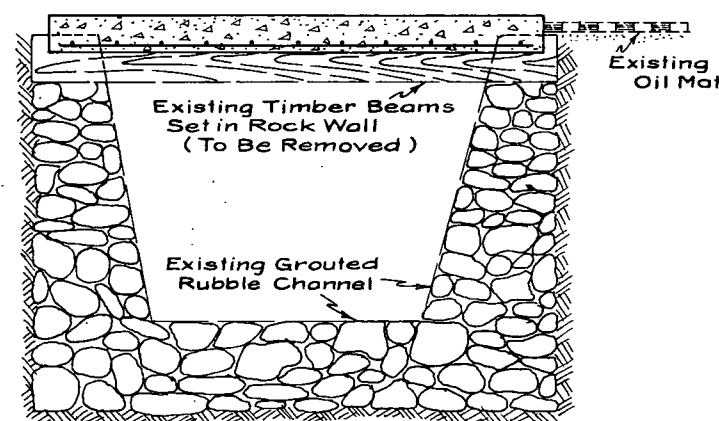
STA. 106+64 TO STA. 107+15



A Concrete Wall of sufficient thickness to obtain a Minimum Bearing of One Foot at the Edge of the Concrete Slab is to be Poured and Doweled to the Rock as shown in Typical Section "B".

TYPICAL SECTION D

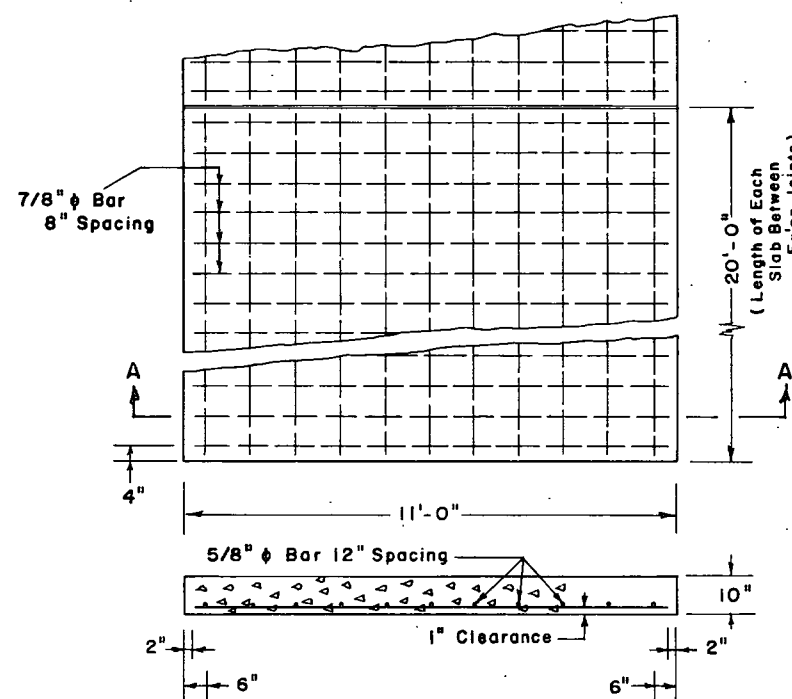
STA. 109+00 To STA. 111+81



NOTE:
It is estimated the following will be necessary:
Adjust top of Existing Rock Wall downward to receive 10" Concrete Slab and essentially meet the present grade of the present decking, this to obtain uniformity of longitudinal grade of top of Concrete.
Holes in Rock Wall now occupied by the timber Stringers shall be filled with Concrete.
Material and Work necessary for preparing the Concrete Slab Foundation will not be paid for separately but are considered incidental to the contract items.

NOTE: State Forces will overlay present pavement to meet top of concrete slab.

DETAILS OF REINFORCED CONCRETE SLAB



SECTION A-A

GENERAL NOTES

Shown on this Sheet are details of Reinforced Concrete Slab which covers the Channel and which is to be used as part of the Roadway.

The Contractor will be permitted to use Precast Concrete Slabs in lieu of formed Slabs upon approval of the Engineer. Such approval is to be based upon assurance of acceptable uniformity in the top gradient and the grouting of joints. Top of rock wall is to be grouted throughout the project as necessary to provide uniform seating for precast slabs, if used. If poured in place slab is used, the top of rock wall is to be grouted as necessary to provide uniform grade.

REINFORCING BAR LIST

DESIGNATION	DIAMETER (Deformed Bar)	LENGTH	NO. OF BARS In Each 20' Slab	WT. PER LIN. FT. Of Slab Length
Transverse Bar	7/8"	10' - 8"	30	33.03 Lb.
Longitudinal Bar	5/8"	19' - 8"	11	11.39 Lb.
				Total *44.42 Lb.

* Includes 1% for Overrun

Expansion Joint Material is to be included in bid price for Concrete

Concrete = 0.34 Cu. Yd. per Lin. Ft. of Slab.

SUMMARY OF APPROXIMATE QUANTITIES:

AS CONSTRUCTED
REVISED DATE FEB 13 1969

FEEDBACK/READ RECORDING UNIT	REVISION:	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	C 60-0279-04	3	

[illegible]

FEDERAL ROAD REGION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	C 60-0279-04	4	

STRUCTURE QUANTITIES AND FORCE ACCOUNT

LOCATION	CONCRETE		REINFORCING STEEL		FORCE ACCOUNT		MISCELLANEOUS
	CUBIC YARD CL. A		LBS.		LUMP SUM		
102+16.5 to 114+51.5 102+16.5 to 111+81.0	[32793 *38.00		[42,843 *355				1-Removal of Portions of Present Structure
103+20					∅		
104+01					≠		
104+10					⊙		
104+62					≠		
104+86					≠		
104+92					⊗		
105+37					≠		
106+03					⊗		
106+10					≠		
106+14					◆		
108+15					≠		
108+30					▽		
108+60					⊗		
110+33					≠		
111+94.5 to 114+51.5	[8738 *200		11,416				
112+54					⊗		
113+39					⊗		
114+09 to 114+27					≠		
114+35					∅		
TOTALS	455.31		54,614				

- ∅ Grouting Invert of Culvert
- ≠ Repairing Rock Wall and/or Invert of Ditch
- ⊙ Lower 4" Sewer Line into Rock Wall
- ⊗ Adjust Gas Lines
- ⊗ Adjust Steps
- ▽ Lower 3" Line into Rock Wall
- ★ Estimated for Constructing Bearing Walls, Grouting and Leveling
- ▲ Estimated for Dowel Bars in Bearing Walls
- * Estimated for Grouting and/or Leveling
- ◆ Place 22x13 Inch Corrugated Steel Pipe Arch (State Furnished Material)

AS CONSTRUCTED
REVISED DATE FEB 13

AS CONSTRUCTED
REVISED DATE FEB 13 1969

Original Drawing Scale: 1" = 20' Horiz.
 1" = 10' Vert.

FED. ROAD REG. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	C60-0279-04	5	

Curved Section Data:

- $\Delta = 42^\circ 14' \text{ Lt.}$
- $D = 36^\circ 00'$
- $T = 61.5'$
- $L = 117.3'$
- $R = 159.2'$

Curved Section Data:

- $\Delta = 17^\circ 47' \text{ Rt.}$
- $D = 7^\circ 00'$
- $T = 128.1'$
- $L = 254.1'$
- $R = 818.6'$

Stationing and Key Points:

- PI. 100+00.0
- PT. 101+26.0
- PT. 102+44.7
- PT. 103+00.5
- PT. 98+10.4
- PC 98+71.9
- PC 101+83.2

Structures and Features:

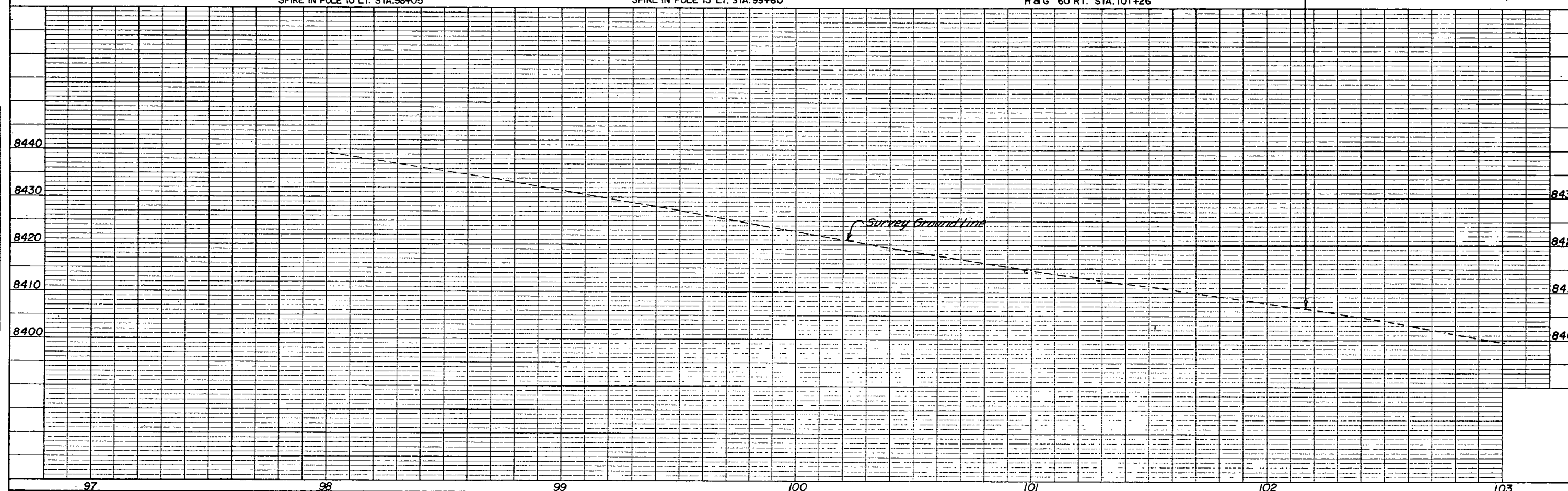
- GREGORY HIGHWAY
- GULCH
- TIMBER BRIDGE
- ROCK WALL (GOOD CONDITION)
- ROCK WALL (POOR CONDITION)
- CHAIN OF MINES PUMP LINE (WATER)
- WATER VALVE
- WOOD STEPS
- CINDER BLK. RETAINING WALL
- BRICK BLDG.
- STONE BLDG.
- GUARD RAIL
- Survey Line

Notes:

- 102+16.5 to 114+51.5 - Remove Timber Decking over Ditch (Except 11+81.0 to 11+94.5), Lt.
- 102+16.5 to 11+81.0 - Road Reinf. Conc. Slab Ditch Cover, Lt. (Details on Sheet No. 2)
- BEGIN WOODEN COVERED DITCH +16.5
- W 1/4, Sec. 7 T 3 S. R. 72 W.
- STA. 102+16.5 BEGIN C60-0279-04 = STA. 52+ ON PROJ. S0095(1)

BM Data:

- BM N95 - ELEV. 8440.25 SPIKE IN POLE 10' LT. STA. 98+05
- BM N96 - ELEV. 8426.29 SPIKE IN POLE 15' LT. STA. 99+60
- BM N97 - ELEV. 8414.00 H&G 60' RT. STA. 101+26



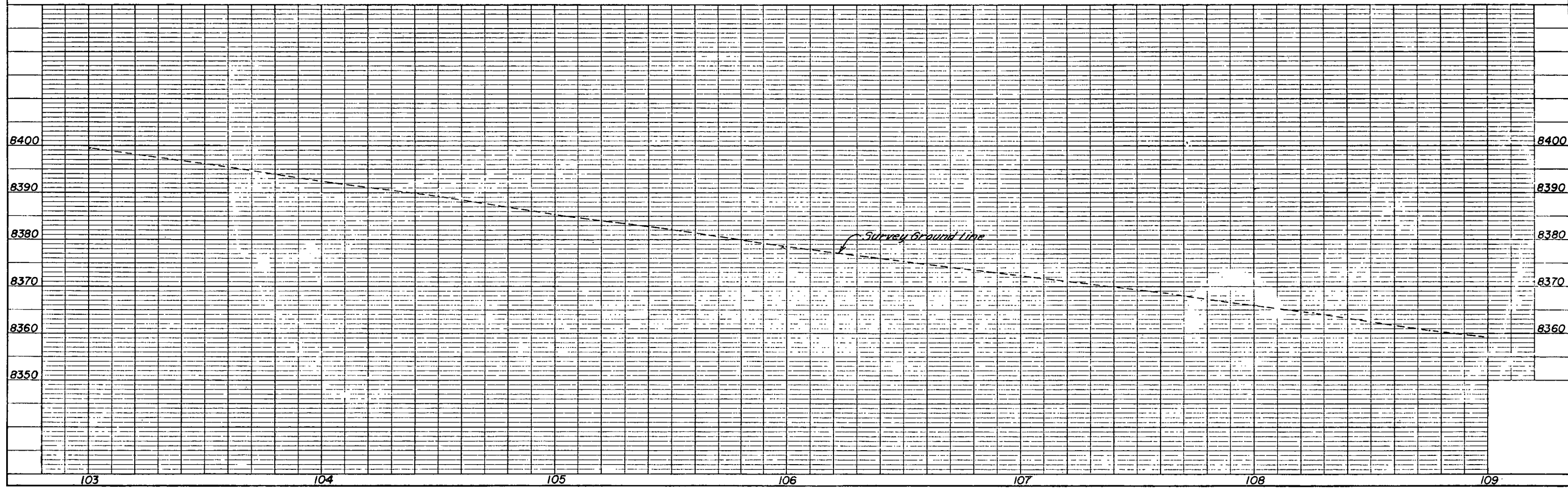
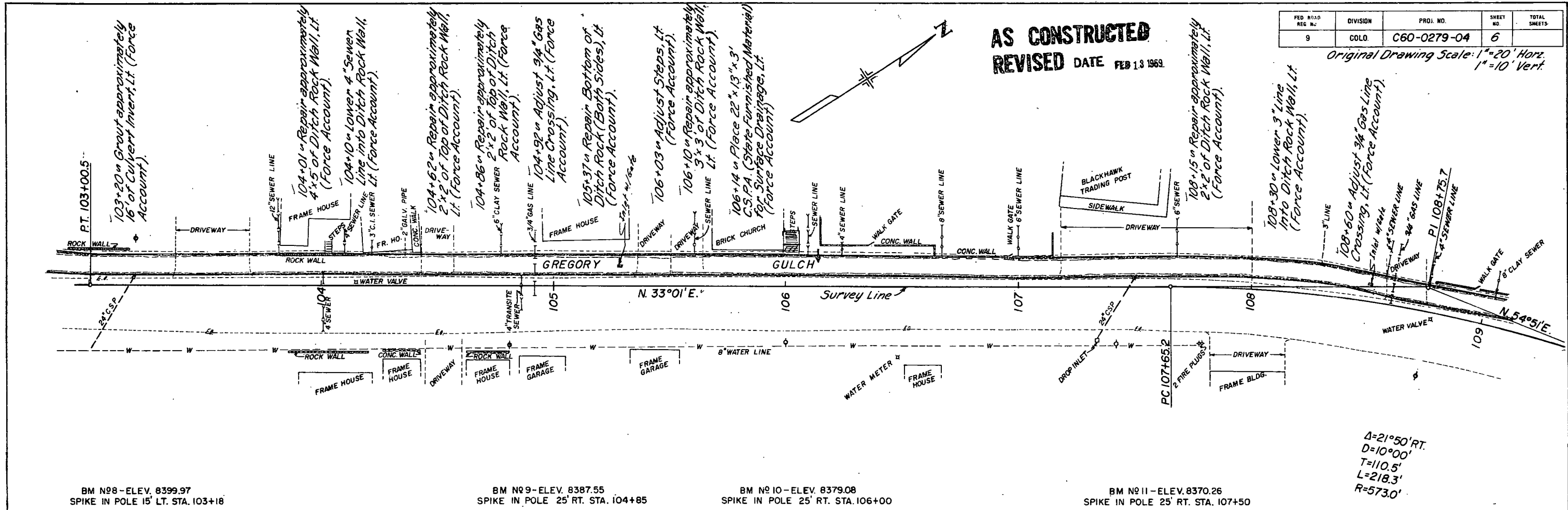
PLAN	DATE
SURVEYED	
NOTE BOOK	
ALIGNED CHECKED	
NO. 32023	
STATION	

PROFILE	DATE
SURVEYED	
NOTE BOOK	
GRADE CHECKED	
NO. 32023	
STATION	

FED. ROAD DIST. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	C60-0279-04	6	

Original Drawing Scale: 1"=20' Horiz.
1"=10' Vert.

AS CONSTRUCTED
REVISED DATE FEB 13 1969



Original Drawing Scale: $1'' = 20'$ Horz.
 $1'' = 10'$ Vert.

AS CONSTRUCTED
REVISED DATE

Original Drawing Scale: 1"=20' Horiz.
1"=10' Vert.

AS CONSTRUCTED
REVISED DATE

STATION 114 + 51.5 END C 60-0279-04 =
STA. 64 + ON PROJ. S 0095(1)

B.M. NO. 12 - ELEV. 8356.92'
SPIKE IN POLE 25' RT. STA. 109+40

B.M. NO. 13 - ELEV. 8344.89'
SPIKE IN POLE 25' RT. STA. 111+21

B.M. NO. 14 - ELEV. 8331.97'
SPIKE IN POLE 20' LT. STA. 113+27

B.M. NO. 15 - ELEV. 8322.39'
SPIKE IN POLE 40' RT. STA. 114+48

B.M. NO. 16 - ELEV. 8315.94'
SPIKE IN POLE SE Cor Gregory & Main

Curve Data 1:
 $\Delta = 15^\circ 03' \text{ LT.}$
 $D = 14^\circ 00'$
 $T = 54.06'$
 $L = 107.5'$
 $R = 4093'$
 $E = 3.56'$

Curve Data 2:
 $\Delta = 21^\circ 50' \text{ RT.}$
 $D = 10^\circ 00'$
 $T = 110.5'$
 $L = 218.3'$
 $R = 573.0'$

Notes:
110+33" Repair approximately 1/2" of Ditch Rock Wall, Lt. (Force Account).
111+94.5 to 114+51.5" Reg'd. Reinf. Conc. Slab Ditch Cover, Lt. (Details on Sheet No. 2).
112+54" Adjust 1/2" Gas Line Crossing, Lt. (Force Account).
113+39" Adjust 1/2" Gas Line Crossing, Lt. (Force Account).
114+09 to 114+27" Repair approximately 6" x 18" of Rock Invert of Ditch, Lt. (Force Account).
114+35" Grout approximately 12" of Culvert Invert, Lt. (Force Account).

Labels: GREGORY, N. 54° 51' E., GULCH, N. 39° 48' E., Survey Line, DRIVEWAY, FR. BLDG., BRICK BLDG., FRAME BLDG., CONG. SLAB, ROCKWALL, FENCE, DROP INLET, 24" CMP, 24" CMP APPROX., CONC. SIDEWALK, WOOD SIDEWALK, BRICK BLDG., BLDG., END WOODEN COVERED DITCH +51.5, BEGIN CONC. COVERED DITCH.

INACTIVE FEB 27 1969

9
November 13, 1968

STATE DEPARTMENT OF HIGHWAYS
DIVISION OF HIGHWAYS - STATE OF COLORADO
SPECIAL PROVISIONS
COLORADO PROJECT NO. C 60-0279-04
BLACK HAWK - WESTERLY

The following Provisions take precedence over Specifications or Plans, and supplement the Standard Specifications for Road and Bridge Construction adopted January 1, 1967.

REQUIRED PROVISIONS, STATE PROJECTS, dated November 1, 1966 (revised July 1, 1968)(distributed by the Division of Highways).

Governor's Executive Order-Equal Opportunity
Filing Colorado Contract Compliance Reports
Statement of Materials and Labor
Labor Classification - CRS 1963
Rental of Teams and Trucks
Exemption from Ton-Mile Taxes
Contractor's Certificate (CDH 106 - DR 513 Mod.)
Sales Tax Refund

PROJECT PROVISIONS

		Page
Index Page	(Nov. 13, 1968)	9 - 9x
Notice to Bidders	(Nov. 13, 1968)	10
Commencement and Completion of Work	(Nov. 13, 1968)	11
Revision of Section 202	(Nov. 13, 1968)	12
State-Furnished Material	(Nov. 13, 1968)	13

INACTIVE
FEB 27 1969

(Continued)

November 13, 1968

-2-

STATE DEPARTMENT OF HIGHWAYS
 DIVISION OF HIGHWAYS - STATE OF COLORADO
 SPECIAL PROVISIONS
 COLORADO PROJECT NO. C 60-0279-04
 BLACK HAWK - WESTERLY

SUPPLEMENTAL PROVISIONS

		No. of <u>Pages</u>
Revision of Section 101	(June 4, 1968)	1
Revision of Section 107	(June 11, 1968)	1
Revision of Section 108	(May 5, 1967)	1
Revision of Section 601-Structural Concrete	(May 1, 1968)	1
Section 626-Mobilization	(Jan. 5, 1967)	1
Revision of Section 709-Reinforcing Steel	(Oct. 25, 1968)	1
Errata to 1967 Standard Specifications	(Nov. 2, 1967)	1
Minimum Wages (Third District)	(Feb. 3, 1966)	1
Traffic Control Supervision	(March 26, 1968)	1
Water and Air Pollution	(April 23, 1968)	1

November 13, 1968

NOTICE TO BIDDERS

COLORADO PROJECT NO. C 60-0279-04

It is recommended that bidders on this project go over the plan details with one of the following field representatives of this Department:

Construction Engineer - R. E. Heathcote
Aurora, Colorado
Office Phone: 757-9373

Resident Engineer - R. A. Glad
Office Phone (Golden,
Colorado): 279-5451
Home Phone (Denver,
Colorado): 934-8551

Prospective bidders are required to contact Engineer at least twelve (12) hours in advance of time they wish to go over the project in order that the Engineer may efficiently schedule his work.

November 13, 1968

COMMENCEMENT AND COMPLETION OF WORK

COLORADO PROJECT NO. C 60-0279-04

The Contractor on this project shall commence work under his contract on or before the tenth (10th) day following the date of the contract unless such time for beginning the work shall be changed by the Chief Engineer, and shall fully complete all work thereunder within Ninety (90) calendar days from and including the date of contract, or from and including such later date as may be designated in writing by the Engineer.

November 13, 1968

REVISION OF SECTION 202

COLORADO PROJECT NO. C 60-0279-04

This work shall conform to Section 202 of the Standard Specifications with the following modifications:

The Contractor will be required to remove all timber decking over the existing ditch as indicated on plans. Removed material shall become the property of the Contractor and shall be removed from the project and disposed of by him.

Delete the last two sentences in the second paragraph of subsection 202.02.

November 13, 1968

STATE-FURNISHED MATERIAL

COLORADO PROJECT NO. C 60-0279-04

The 22 x 13 inch Corrugated Steel Pipe Arch required for this project will be furnished by the Department without cost to the Contractor. This material shall be picked up at the Department's Maintenance Yard at 18500 East Colfax Ave., Aurora, Colorado and transported to the project site by the Contractor.

The Contractor will assume full responsibility for this material after receipt by him and will be responsible for damage and loss until final acceptance of the project. The Contractor shall furnish the Engineer a written receipt covering this material.