

DIST. ENG. BUREAU PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENG. BUREAU PUBLIC ROADS
APPROVED
DIRECTOR BUREAU PUBLIC ROADS

S.W. 1/4 SEC. 28
T. 1 N. R. 70 W.

Sta. 50+6.5 to 51+69~ Req'd 2 span @ 49' Concrete & I beam Bridge (Details on Sh 3 to 8), 900 cu. yds. uncl. excav. for channel improvement, & remove present bridge.

Reg'd. Remove & rebuild 680 lin. ft. fence Lt. & Rt. (With Fed. Aid)
Build 150 lin. ft. new fence Lt. & Rt. (No. Fed. Aid)

Sta. 51+ ~ Req'd Timber Detour Bridge (Details on Sh. No. 9)
Detour bridge to be removed after Detour is abandoned

NOTE: Removed concrete pavement & concrete from bridges to be removed, shall be hand placed as rip-rap for bank protection at bridge.

R.O.W. MARKERS
Sta. 48+65 Rt. 1
50+00 Lt. & Rt. 2
51+00 Lt. 1
51+50 Rt. 1
52+84 Lt. & Rt. 2
54+00 Lt. 1

Sta 51+ ~ Req'd. 32 Timber Guard Posts
at 25 centers Lt & Rt on Detour. 20 posts to be
removed from present bridge Sta 50+ to 51+
and req'd 12 new posts. After detour is abandoned
these 32 posts are to be reset at new bridge & at
each wing on 25' cts. (Details on Sh. No. 15)

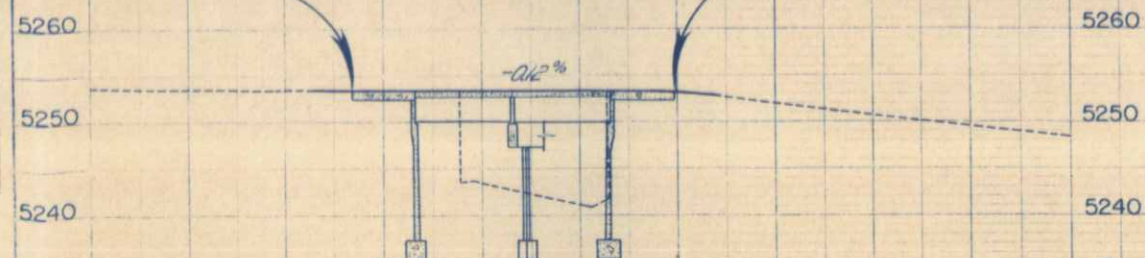
Sta. 51+ ~ Reg'd 500 cu.yds. Incl Excav for removing Detour when abandoned. Material to be disposed of as directed by the Engineer.

N.E. 1/4 SEC. 32
T. 1 N. R. 70 W.

N.W. 1/4 SEC. 33
T. 1 N. R. 70 W.

STRUCTURE NOTES FOR BRIDGE STA. 50+65 TO 51+69 STRUCTURE NO. D-15-AQ

PRESENT STRUCTURE:		PROPOSED STRUCTURE:	
SPAN	2 @ 35'	POSITION REFERRED TO PRESENT STRUCTURE	SAME
CLEAR ROADWAY	20'	SPAN	2 @ 49'
CLEAR WATERWAY	495 ⁰⁰ '	CLEAR ROADWAY	44'
TYPE OF SUPERSTRUCTURE	CONC. T BEAM	CLEAR WATERWAY	640 ⁰⁰ '
TYPE OF SUBSTRUCTURE	REINF. CONCRETE	TYPE OF SUPERSTRUCTURE	REINF. CONC. OPEN PIER
REQUIREMENTS AS TO REMOVAL	REMOVE	TYPE OF SUBSTRUCTURE	REINF. CONC. CANT. ABUTS.
STREAM DATA:		DETOUR STRUCTURE REQUIREMENTS	SEE PLANS
DRAINAGE AREA IN SQ. MILES	120	R.R. SIDING BOULDER HAUL TO BRIDGE SITE	1 MILE
VELOCITY DURING HIGH WATER		NEARBY STRUCTURES ON SAME STREAM:	
ELEVATION OF:		LOCATION	
MAXIMUM HIGH WATER		WATERWAY	
NORMAL STAGE		RECORD DURING FLOODS	
LOW WATER			
STREAM BED	524'		
DRIFT	LIGHT		
SCOUR	NONE		



STA. 51+99.0 END FED. AID PROJ. NO. 37-(2)

FENCING REQUIREMENTS
Reqd. Remove & rebuild 660 lin. ft. fence Lt. & Rt. (With Fed. Aid)
Build 150 lin. ft. new fence (No Fed. Aid)

Sta. 135+ ~ Req'd. 32 Timber Guard Posts at 25' centers Lt. & Rt. on Detour. 20 to be removed from Present Bridge Sta. 135+ & Req'd. 12 new posts. After Detour is abandoned, these 32 posts are to be reset at new bridge, 8 at each wing on 25' centers (Details on Sheet No. 15).

Sta 135+ ~ Regd. 1170 cu yds. embankment (Material to be paid for as Und. Excav. from Ch. Imp.) for Detour Lt. & Approaches to new bridge. Also Regd 200 Tons Gravel or Cr. Rock Surf. for Detour & sidewalk ^{approaches}.

Sta 135+26 to 136+02 ~ Regd. 2-37' span Concrete and I Beam Bridge (Details on Sheets 10-12). Remove Present Bridge.

Sta. 135+ ~ Reg'd. Detour Bridge Lt. (Details on Sheet No. 13)
Detour Bridge to be removed after Detour is abandoned.

Sta. 135+ ~ Req'd 500
cu. yds. Uncl. Excar. for removing
Detour when abandoned. Material
is to be disposed of as directed
by the Engineer.

Sta. 136+10 ~ Req'd. Remove 12" x 14' C.M.P. Lt.

R.O.W. MARKERS
Sta 134+ L & R 2
135+00 L & R 2
136+00 L & R 2
137+ L & R 2

Sta. 135+ ~ Req'd. move & reset power pole
(FORCE ACCOUNT) (Work by
Power Co. Forces)

N.E. 1/4 SEC. 34
T. 1 N. R. 70 W.

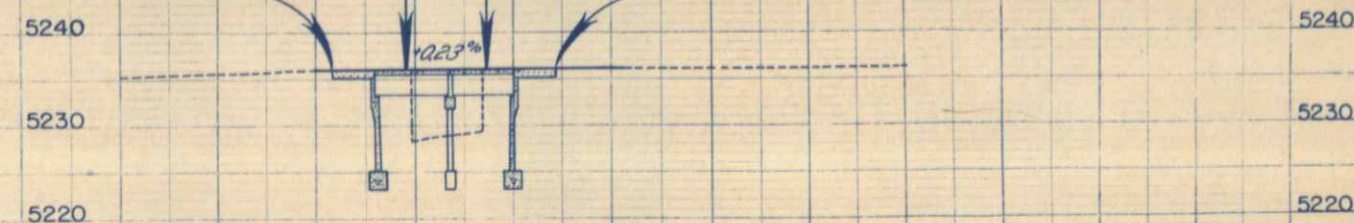
Sta. 135+08.6 - 135+28.6 and 136+02.2 - 136+22.2 ~ Req'd 48 cu yds.
Class A Concrete and 6860 lbs Reinforcing Steel for 2 approach
slabs (Details on Sheet No. 11) & Remove 80 sq. yds
concrete pavement.

Sta 135+ ~ Req'd. 15"x100' C.M.P. Side Drain Lt. & 15" to 8" reducer & 1-15" Connecting Band. Cost of Band to be included in unit price bid for reducer.

Sta. 136+ ~ Req'd. 15" x 11 1/4" C.M.P. Side Drain Lt. & 15" to 8" reducer & 1-15" Connecting Band. Cost of Band to be included in unit price bid for reducer.

STRUCTURE NOTES FOR BRIDGE STA. 135+28.6 TO 136+02.2 STRUCTURE NO. D-16-J

PRESENT STRUCTURE:		PROPOSED STRUCTURE:	
SPAN	1 @ 35'	POSITION REFERRED TO PRESENT STRUCTURE	SAME
CLEAR ROADWAY	20'	SPAN	2 @ 37'
CLEAR WATERWAY	160'	CLEAR ROADWAY	44'
TYPE OF SUPERSTRUCTURE	CONCRETE	CLEAR WATERWAY	320'
TYPE OF SUBSTRUCTURE		TYPE OF SUPERSTRUCTURE	REINF. CONC. GRAVITY PIER
REQUIREMENTS AS TO REMOVAL	REMOVE	TYPE OF SUBSTRUCTURE	REINF. CONC. CANT. ABUTS.
STREAM DATA:		DETOUR STRUCTURE REQUIREMENTS	SEE PLANS
DRAINAGE AREA IN SQ. MILES	1.35	R.R. SIDING	BOULDER HAUL TO BRIDGE SITE 4 MILES
VELOCITY DURING HIGH WATER		NEARBY STRUCTURES ON SAME STREAM:	
ELEVATION OF :		LOCATION	
MAXIMUM HIGH WATER		WATERWAY	
NORMAL STAGE		RECORD DURING FLOODS	
DRIFT	LIGHT		
SCOUR	NONE		
		LOW WATER	
		STREAM BED	5227



STA. 135+08.6 BEGIN FED. AID PROJ. NO. 251-C(2)-

STA 136+22.2 END FEED AID PROJ NO 251-C(2)-