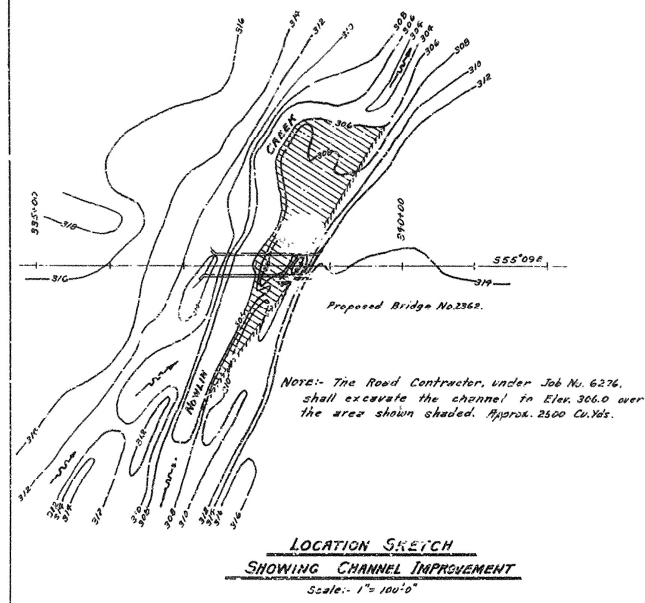
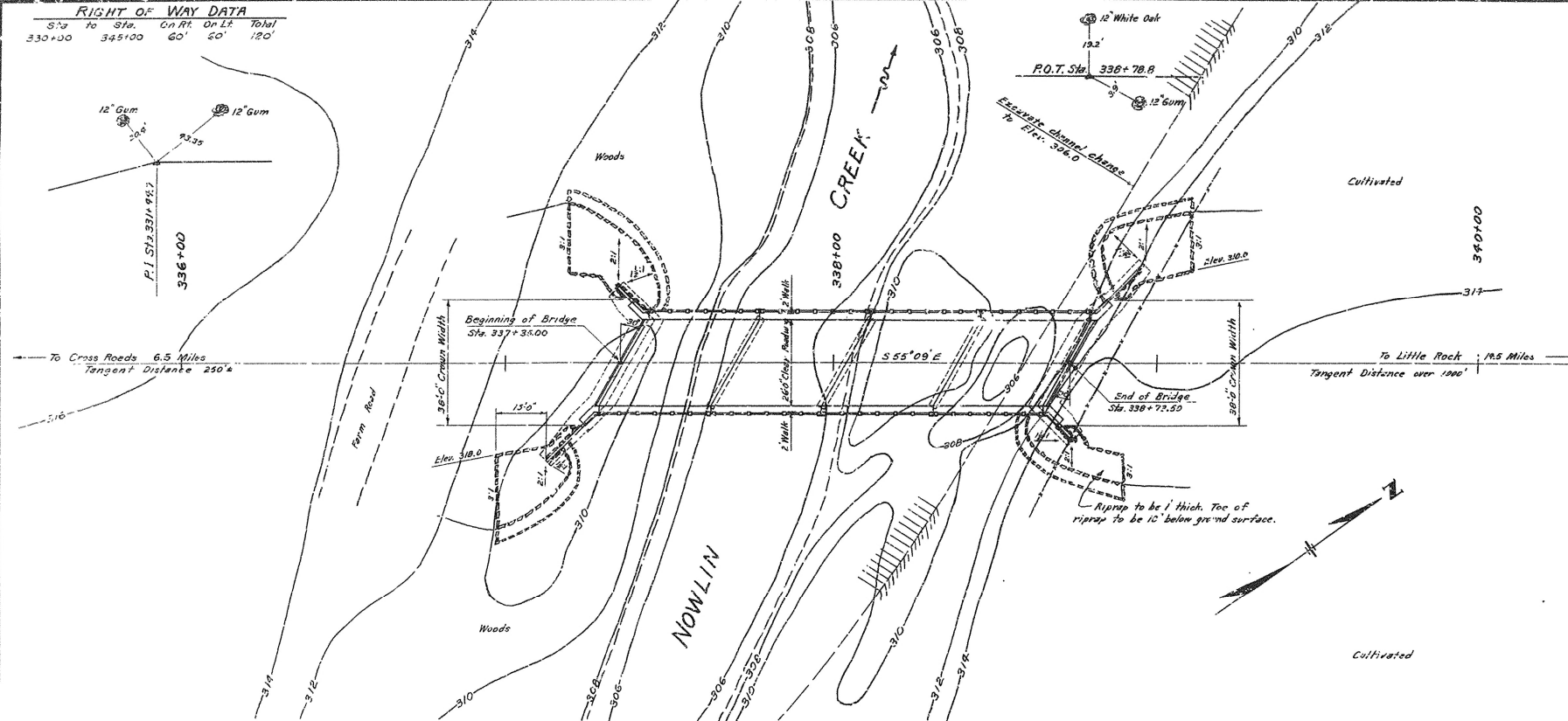


Sta.	To Sta.	On Rt.	On Lt.	Total
330+00	345+00	60'	60'	120'

FED. ROAD DIST. NO.	STATE	F.A. NO.	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	ARK.	S-372	(3)	15	29	
STATE JOB NO. 6307						15 29



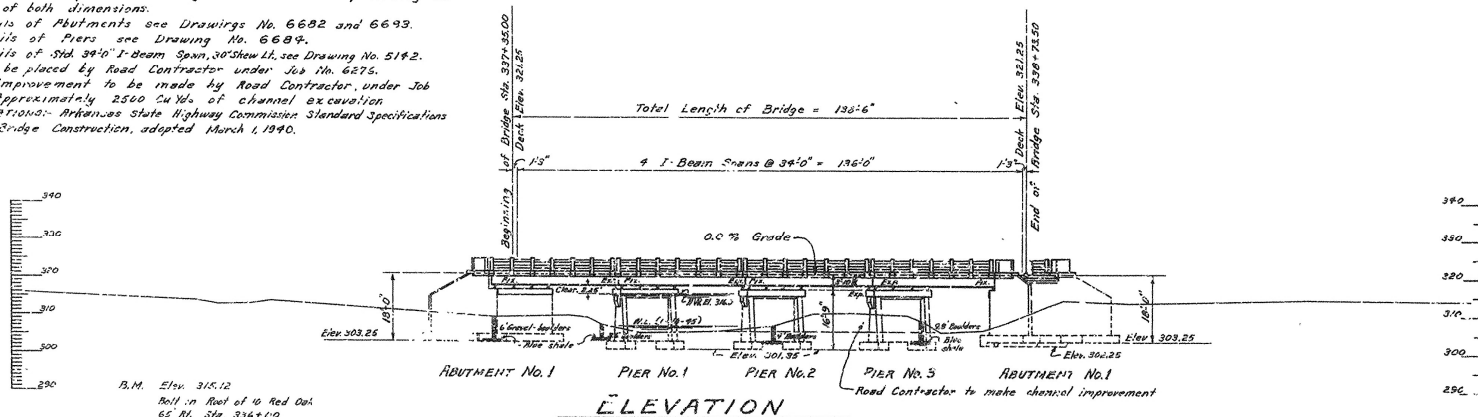
GENERAL NOTES

All concrete to be poured in the dry.
Expansion joints to be constructed as shown.
Rock excavation to be done to neat lines of concrete footings. Care shall be exercised to avoid shattering of rock faces by excessive blasting.
In general all construction joints in abutments and piers shall be horizontal and shall be provided with keys not less than 3' deep covering the middle third of both dimensions.
For details of Abutments see Drawings No. 6682 and 6693.
For details of Piers see Drawing No. 6684.
For details of Std. 34" I-beam Spans, 30' show L.S., see Drawing No. 5182.
Riprap to be placed by Road Contractor under Job No. 6275.
Channel improvement to be made by Road Contractor under Job No. 6276. Approximately 2500 Cu.Yds. of channel excavation.
SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, adopted March 1, 1940.

PLAN

QUANTITIES

ITEM No.	ITEM	QUANTITY	UNIT
103	Dry Excavation for Structures	189	Cu.Yd.
103	Wet Excavation for Structures	302	Cu.Yd.
103	Solid Rock Excavation for Structures	53	Cu.Yd.
S.P.R. 802	Class "B" Concrete for Bridges	276.4	Cu.Yd.
S.P.R. 802	Class "S" Concrete for Bridges	114.8	Cu.Yd.
S.P.R. 803	Reinforcing Steel	48110	Lb.
505	Concrete Railing	296	Lin. Ft.
S.P.R. 907	Structural Steel in Beam Spans	77940	Lb.
329	Bridge Name Plates (Type "B")	2	Each



DESIGN LIVE LOAD 20 LADING A.A.S.H.O. 1941

UNIT STRESSES: Class "B" Concrete (n=15) 7000 psi
Class "S" Concrete (n=10) 10000 psi
Reinforcing Steel 18000 psi
Structural Steel 18000 psi

DESIGN FOUNDATION PRESSURES
Abutments = 2.5 Tons / sq ft
Piers = 1.5 Tons / sq ft

DRAINAGE AREA = 15 Square Miles
C=1.0 370% Reg'd.

REVISIONS: Structural Steel Quantity, 10-21-46 K.G.H.

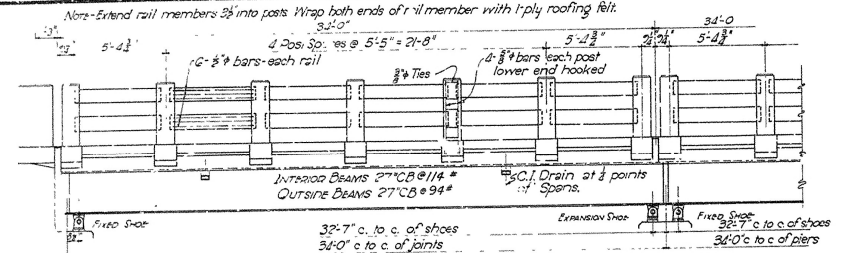
LAYOUT OF
BRIDGE OVER NOWLIN CREEK
CROSS ROADS - LITTLE ROCK ROAD
PULASKI COUNTY
ROUTE 10 SEC. 7

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By: W.C.H. Date: 3-6-45
Traced By: W.C.H. Date: 3-7-45
Checked By: _____ Date: _____
BRIDGE NO. 2362 DRAWING NO. 6681

W.C.H.
PRINCIPAL HIGHWAY ENGINEER (670254)

FED. ROAD DIST. NO.	STATE	F.P.D. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	S 31-1-31		2	33
STATE JOB NO. 537					79



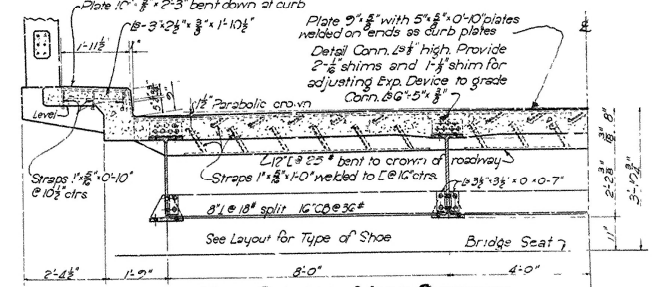
SIDE ELEVATION
Scale: 1/2" = 1'-0"

MARK	SIZE	NO. REQS.	LENGTH	A	DIAGRAM	h	s	f	e	c	b	a	16th	20th	24th	28th	32nd	36th	40th	44th	48th	52nd	56th	60th	64th	68th	72nd	76th	80th	84th	88th	92nd	96th	100th	104th	108th	112th	116th	120th	124th	128th	132nd	136th	140th	144th	148th	152nd	156th	160th	164th	168th	172nd	176th	180th	184th	188th	192nd	196th	200th	204th	208th	212th	216th	220th	224th	228th	232nd	236th	240th	244th	248th	252nd	256th	260th	264th	268th	272nd	276th	280th	284th	288th	292nd	296th	300th	304th	308th	312th	316th	320th	324th	328th	332nd	336th	340th	344th	348th	352nd	356th	360th	364th	368th	372nd	376th	380th	384th	388th	392nd	396th	400th	404th	408th	412th	416th	420th	424th	428th	432nd	436th	440th	444th	448th	452nd	456th	460th	464th	468th	472nd	476th	480th	484th	488th	492nd	496th	500th	504th	508th	512th	516th	520th	524th	528th	532nd	536th	540th	544th	548th	552nd	556th	560th	564th	568th	572nd	576th	580th	584th	588th	592nd	596th	600th	604th	608th	612th	616th	620th	624th	628th	632nd	636th	640th	644th	648th	652nd	656th	660th	664th	668th	672nd	676th	680th	684th	688th	692nd	696th	700th	704th	708th	712th	716th	720th	724th	728th	732nd	736th	740th	744th	748th	752nd	756th	760th	764th	768th	772nd	776th	780th	784th	788th	792nd	796th	800th	804th	808th	812th	816th	820th	824th	828th	832nd	836th	840th	844th	848th	852nd	856th	860th	864th	868th	872nd	876th	880th	884th	888th	892nd	896th	900th	904th	908th	912th	916th	920th	924th	928th	932nd	936th	940th	944th	948th	952nd	956th	960th	964th	968th	972nd	976th	980th	984th	988th	992nd	996th	1000th
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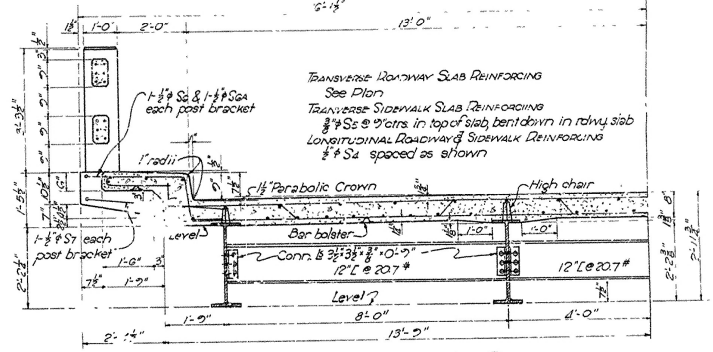
Note: Dimensions relating to reinforcing steel are to center of bars.

GENERAL NOTES

All concrete to be Class "S". All exposed corners to be chamfered 1/4" unless otherwise noted.
Rivets 3/4" x 1 1/2". Unless turned bolts are specified use machine bolts where bolts are indicated.
Structural shapes of equal or greater strength may be substituted for shapes shown but payments will be made on shapes shown or actually used whichever is the lesser.
All welded connections to be 1/4" fillet shop welds, except as noted. Welding to be by the electric arc process.
All bearing and roadway expansion devices to be paid for at the unit price bid for "Structural Steel in Beam Spans".
Reinforcing steel to be deformed bars of structural or intermediate grade. Shop lists and bending diagrams must be submitted and approved before fabrication is begun.
Cast iron drains to be paid for as "Reinforcing Steel" and to be painted the same as structural steel.
Shop Paint: All structural steel shall be given one coat of red lead and raw linseed oil before shipment, except surfaces in contact with concrete.
Field Paint: 1st coat, white lead tinted with lamp black, 2nd coat, aluminum paint.
This drawing shows general features of design only. Shop drawings shall be made in accordance with the specifications, submitted and approved before fabrication is begun.
All reinforcing steel shall be accurately located in the forms and firmly held in place by means of steel wire supports sufficient in number and size to adequately prevent displacement during the course of construction and to keep the steel a proper distance from the forms.
Wire supports will not be paid for directly but will be considered subsidiary to the item of "Reinforcing Steel".
Shop lists and diagrams must be submitted for approval.
Specifications: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction adopted March 1, 1940.



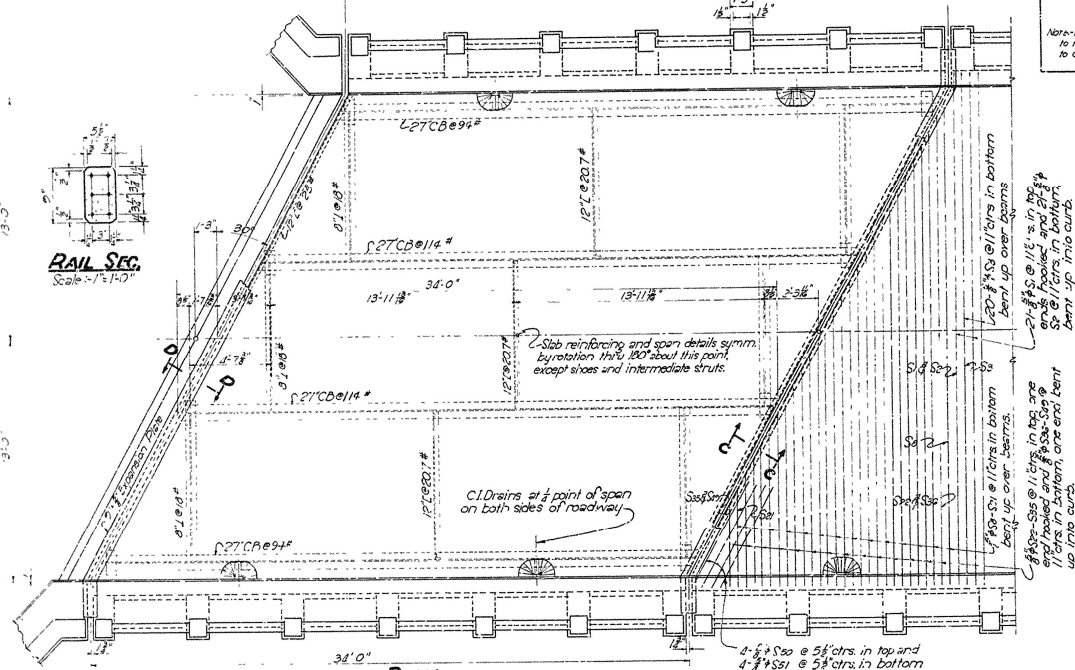
HALF SECTION NEAR SUPPORTS



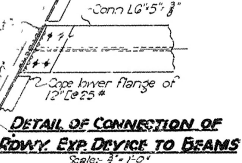
HALF SECTION AT MID SPAN

Canber Note: To provide for deflection of girders due to dead load, the slab is to be 1/2" thicker at mid-span and 1/4" thicker at the 1/4 points. Increase thickness of slab to provide for vertical curve camber.

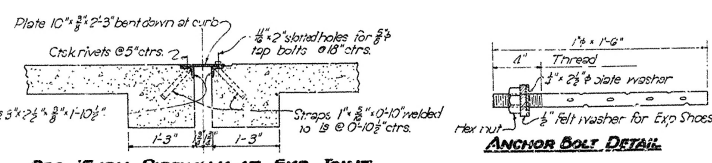
RAIL SEC.
Scale: 1/4" = 1'-0"



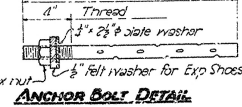
PLAN
Scale: 1/2" = 1'-0"



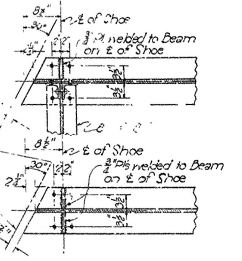
DETAIL OF CONNECTION OF ROADWAY EXP. DEVICE TO BEAMS
Scale: 1/2" = 1'-0"



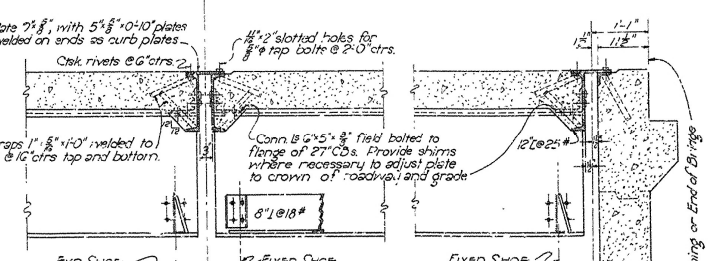
SEC. T-HRU SIDEWALK AT EXP. JOINT
Scale: 1/2" = 1'-0"



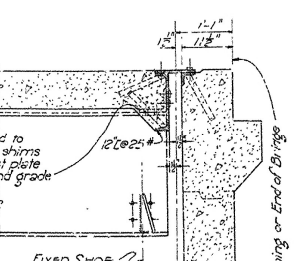
ANCHOR BOLT DETAIL



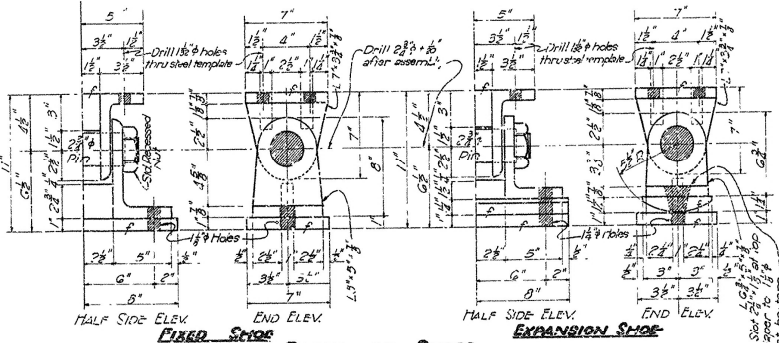
DETAILS OF LOWER FLANGE OF BEAM AT ENDS OF SPAN
Scale: 1/2" = 1'-0"



SEC. C-C AT INTERMEDIATE PIERS
Scale: 1/2" = 1'-0"



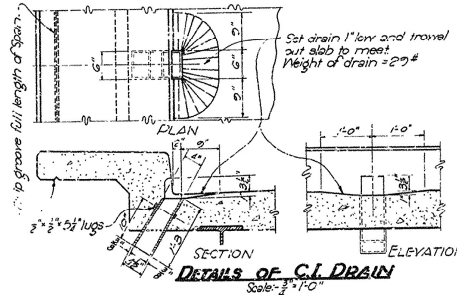
SEC. D-D AT ABUTMENTS
Scale: 1/2" = 1'-0"



DETAIL OF SHOES
Scale: 1/2" = 1'-0"

Shop Notes: All shoes to be field bolted to 30" C.D.s with 1 1/2" turned bolts.
All shoes to be built from structural steel plates and shapes.
All material to be welded together with 1/4" fillet welds extending entire length of all edges and surfaces in contact. Surfaces in contact to be milled to bear before welding.
Aspeny plates shall be finally sealed on 3 layers of burlap saturated with red lead. This work and material to be included in the unit price bid for "Structural Steel in Beam Spans".

REVISIONS: W.H. of I-Beams 10-24-46, M.C.H.



DETAILS OF C.I. DRAIN
Scale: 1/2" = 1'-0"

DETAILS OF STANDARD 34" I-BEAM SPAN ~ 30° SKEW LEFT FORWARD 26'0" CLEAR ROADWAY 2 SIDEWALKS @ 2'-0" 4 GIRDER TYPE ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: M.C.H. Date: 12-22-43
Traced By: E.H.M. Date: 12-22-43
Checked By: _____ Date: _____
BRIDGE NO. 537 DRAWING NO. 5142