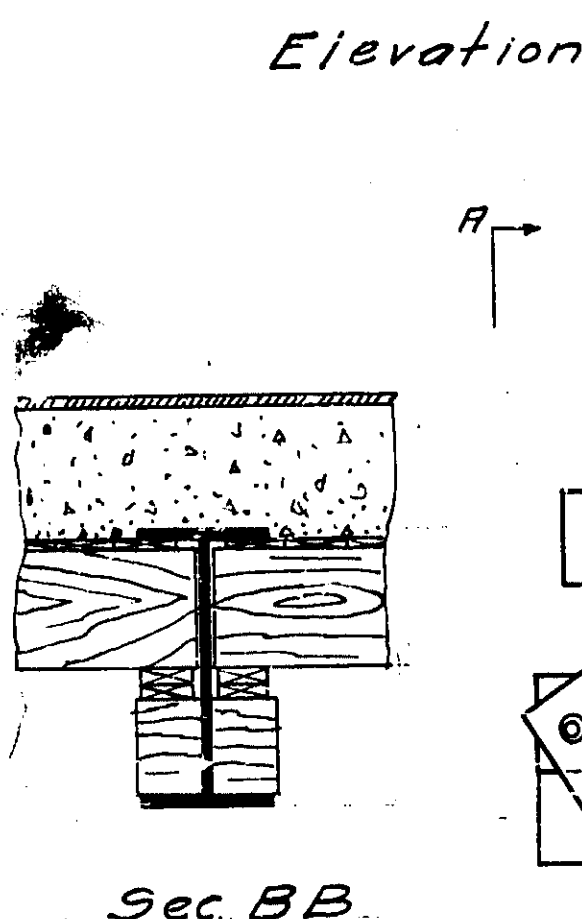
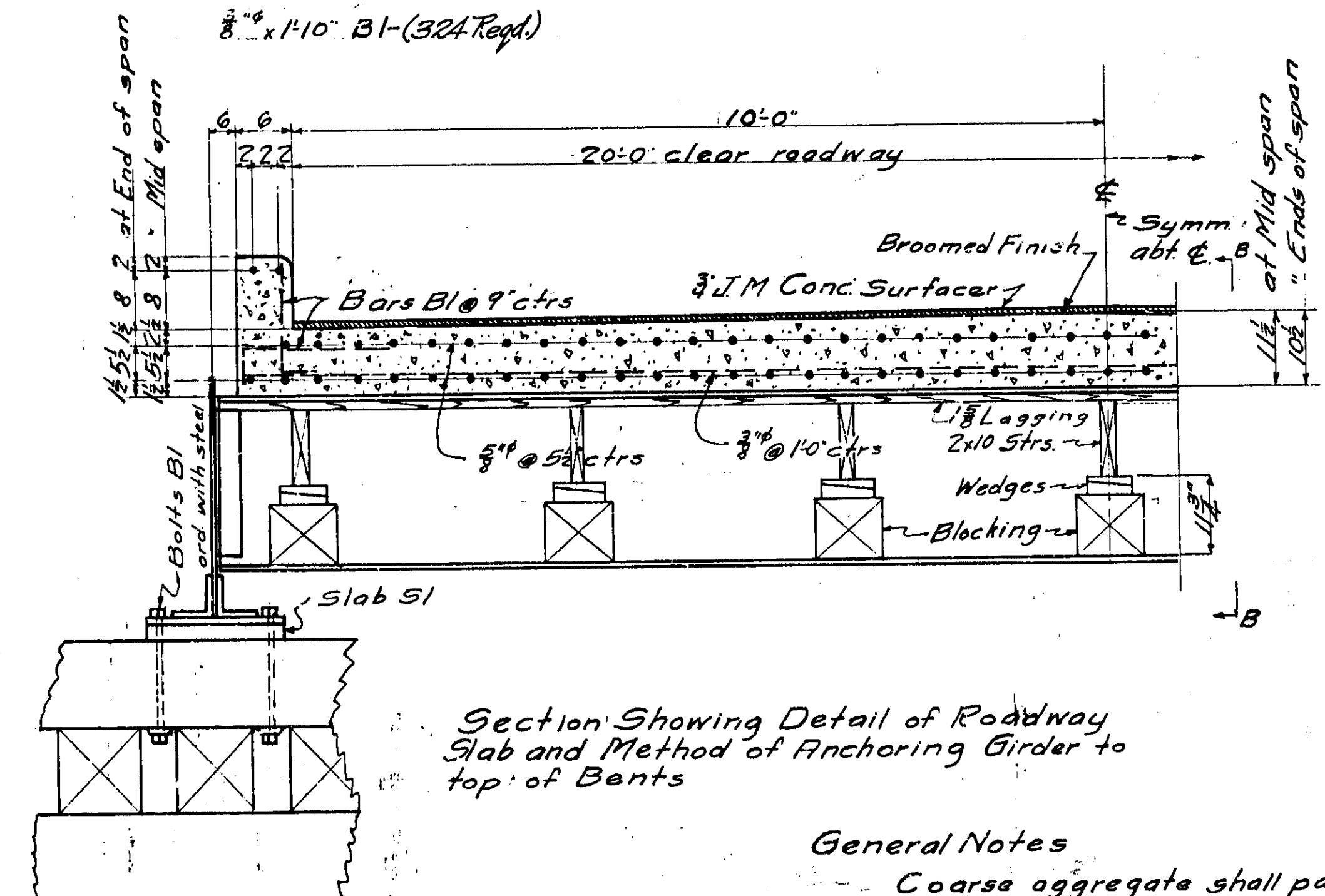
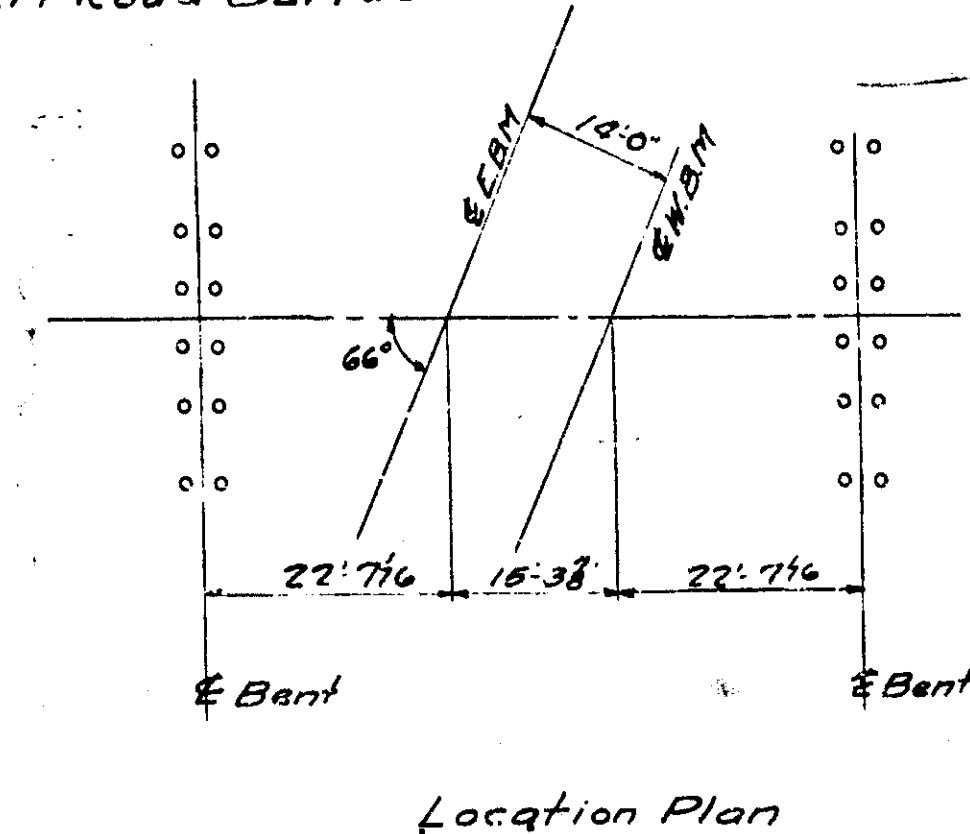
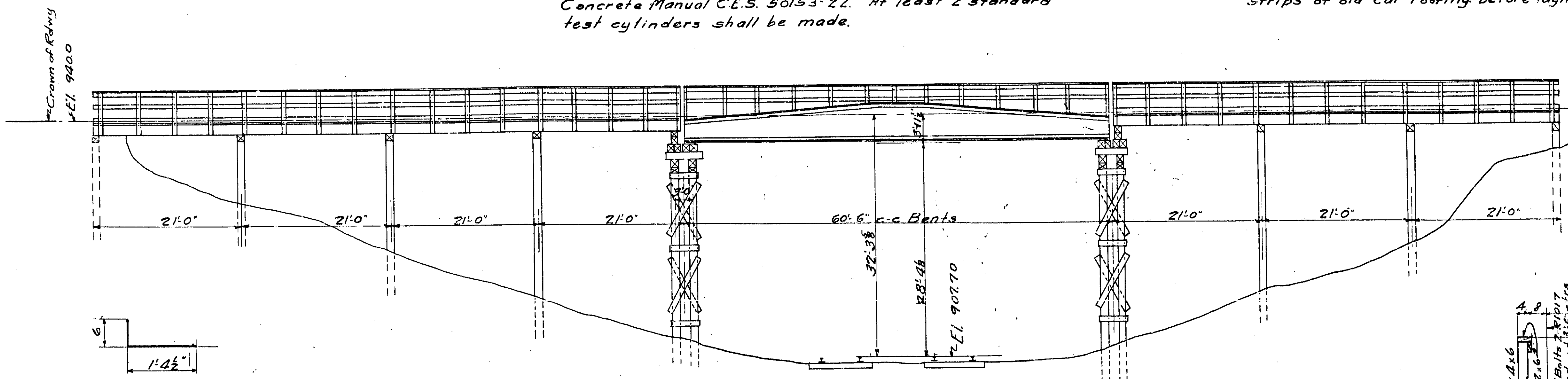


Note: All field work in making concrete deck shall be in accord with the A.T. & S.F. Ry. System Employees Concrete Manual C.E.S. 50153-22. At least 2 standard test cylinders shall be made.

Note: Cover cracks between floor timbers with strips of old car roofing before laying J.M. Road Surfer.

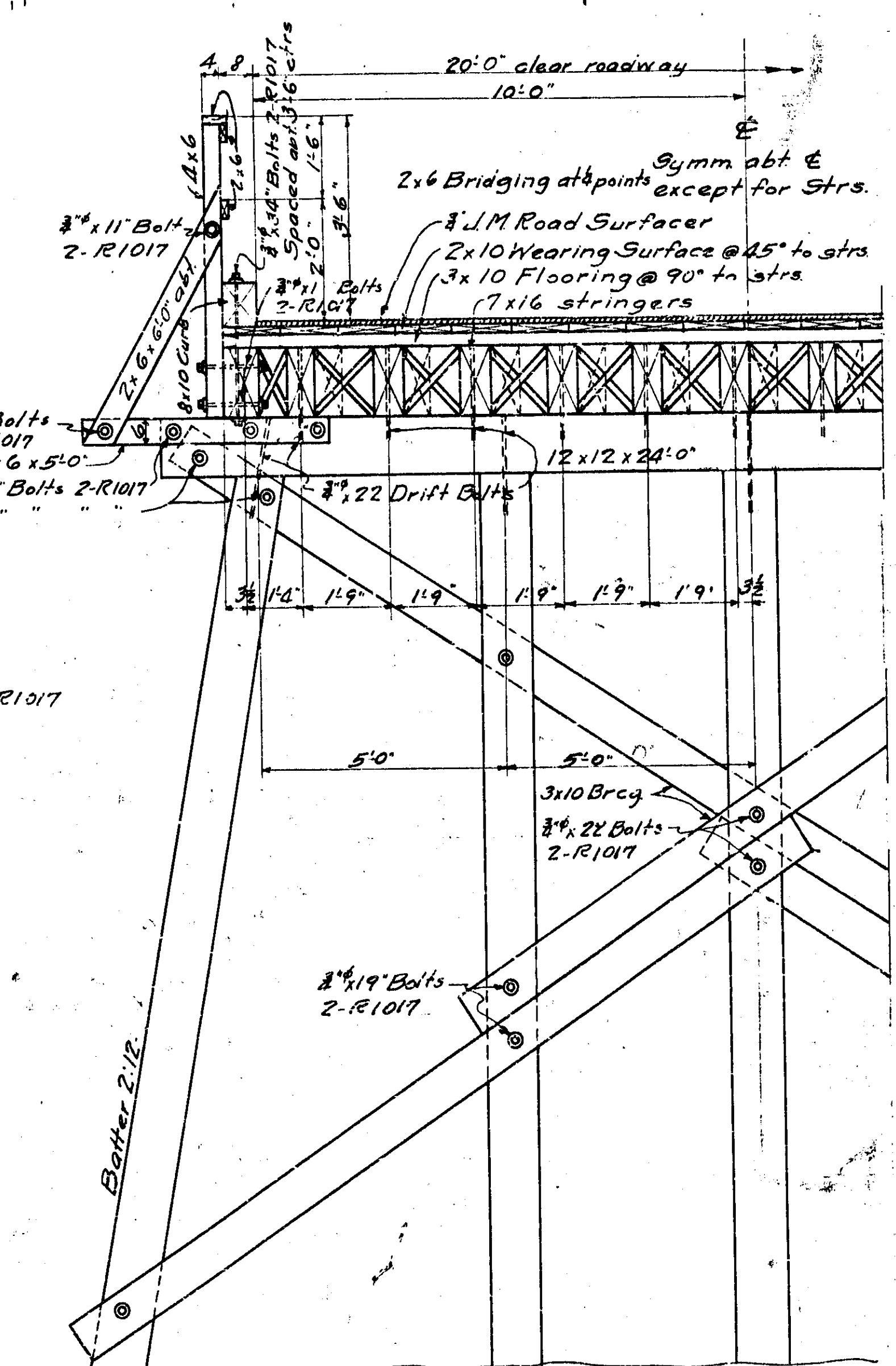
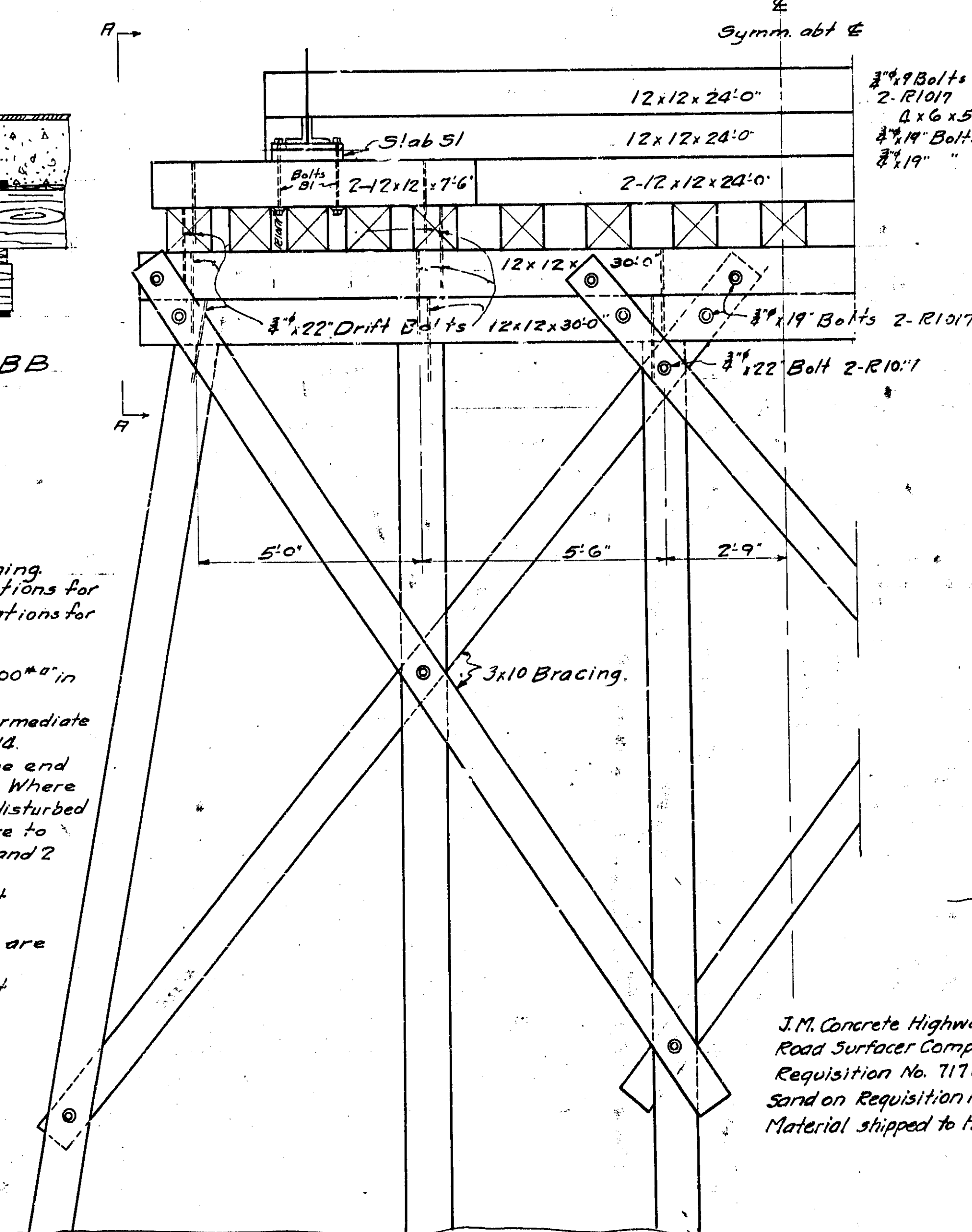


General Notes

Coarse aggregate shall pass a 1 1/2" opening. Specifications for Design: A.R.E.A. specifications for Highway Bridges, 1927, & A.R.E.A. specifications for Concrete, Plain and Reinforced, 1927. Loading: H20-2 Lanes. Concrete: Ultimate strength of concrete 3000* in 28 days in 6"x12" cylinders. Reinforcing: Deformed bars; A.H. steel, intermediate grade. To conform to A.S.T.M. spec. A15-14. Timber: Creosoted Pine. In framing cut one end only of creosoted timber where possible. Where the original creosoted surface has been disturbed in framing, the freshly cut surfaces are to receive one coat of hot preservative and 2 coats of sealing compound applied hot. Empty holes to have one coat of hot preservative and the holes filled with creosoted plugs, which before insertion are dipped in hot sealing compound. Apron Plates must be given 2 coats of paint before placing in deck.

Estimated Quantities.
43 Cu. Yds. Concrete
15 gals J.M. Conc. Primer
24,900* J.M. Concrete Highway Bridge Road Surfer.

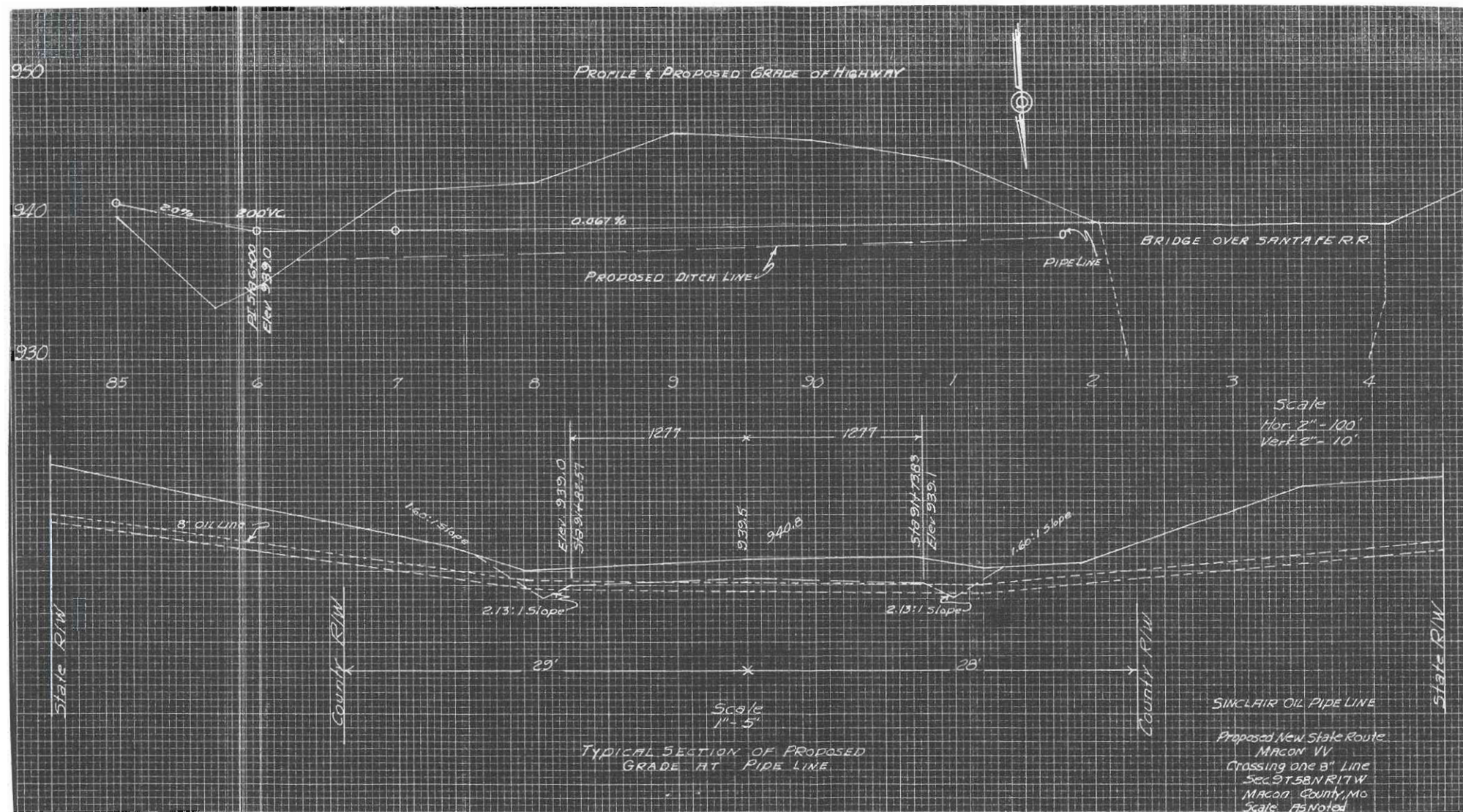
Note: Specifications for applying J.M. Surfer to concrete & timber on file in office of Bridge Engineer System B.E.S. 261.



J.M. Concrete Highway Bridge Road Surfer Compound on Requisition No. 717082. Sand on Requisition No. 717083. Material shipped to Hart, Missouri.

B.E.S. 2357
THE A.T. & S.F. RY. SYSTEM
BR 334-B; MISSOURI DIV, 1ST DIST.
HIGHWAY SPAN
Scale 1/4" = 1'-0" Chicago, Ill., Jan. 1929
CORRECT *A. H. Mitchell*
FOR BRIDGE ENGINEER SYSTEM

Details of Double Bents



September 7, 1956

BRIDGES: Maintenance
Supplementary Bridges Used in Place
Bridge W-404, Take-Over No. 1
Station 92+05.13
Route VV, Macon County

Mr. F. D. Harris:


An inspection has recently been made on a structure located 2.7 miles northeast of Hart over the Santa Fe Railroad. This structure consists of 7-20' creosoted timber spans and 1-60' steel plate girder with timber handrail, concrete floor on the plate girder span and creosoted timber floor with mat coat on the 20' creosoted timber spans. The width of roadway is 20'0". The substructure consists of creosoted pile bents.

The entire structure is in good condition except there is a sagged place in the concrete floor where water stands 1" to 2" deep. The bituminous mat coat is rough. There is a long sloping bank from the face of the abutment down to the ditch along side of the railroad tracks and this fill is washing badly and sliding down to fill the ditches, especially at all four corners of the structure. A long pipe had been placed at one corner to take care of this condition and it has washed out and is not now effective.

This structure has been built by the railroad company and was designed for an H20 loading. The alignment is fair with a curve beginning a short distance from each end of the structure. The grades, visibility and rail crossing are good.

It will be satisfactory to use this structure in place when the adjacent roadwork is placed under contract, with the structure to remain the property of the railroad company and to be maintained by them. It will be necessary that the road plans provide for a better way to handle drainage from the road ditches.

However, if the railroad company desires that we take the structure into our supplementary system and maintain, it will be satisfactory provided that the railroad paints the handrail from the hubguard up with two coats of paint,




preferably that the top coat be aluminum. Place a pre-mixed bituminous mat over the entire floor and raise grade over the concrete floor so that water will drain. Also provide better drainage along the cut slopes to prevent erosion of the railroad back slopes through this section of the cut, both from drainage off of the structure and from the side ditches.


Bridge Engineer

cc: Mr. B. F. Leslie
Mr. R. C. Johnson

✓
SJW:mjs
file



August 28, 1956

BRIDGES: Maintenance
Supplementary Bridges Used in Place
Bridge No. W-404, T. O. No. 1, Sta. 92+05
Route VV, Macon County

Mr. B. F. Leslie:

This will acknowledge receipt of your letter of August 24, together with the used in place report for the AT&SF Railroad Crossing on the above mentioned route.

We will arrange to make an inspection of this structure at an early date, and we will see what we can do to eliminate water ponds on the span.




Bridge Engineer



file

SJW:cja



MISSOURI STATE
HIGHWAY DEPARTMENT

RECEIVED

AUG 27 1956

INTER-DEPARTMENT CORRESPONDENCE

Bureau of Bridges

August 24, 1956

DATE

SUBJECT

BRIDGES: Surveys
A. T. & S. F. Railroad Crossing
Route VV, Macon County

W-404

T.O. # 1

TO

Mr. J. A. Williams

Attached please find copy of a U.I.P. Bridge Report for the crossing of the A. T. & S. F. Railroad at Station 92+05.13 on the above mentioned route. Also attached is a set of plans for this structure furnished by the Railroad.

In connection with this bridge it has been noted that after a rain the center or main span ponds $1\frac{1}{2}$ inches of water. We would like for the Railroad to lay a new mat on this section of the bridge in order to eliminate this ponding of water.

A check of this structure, in order to determine if it can be used in place, will be appreciated and may be done at your convenience.

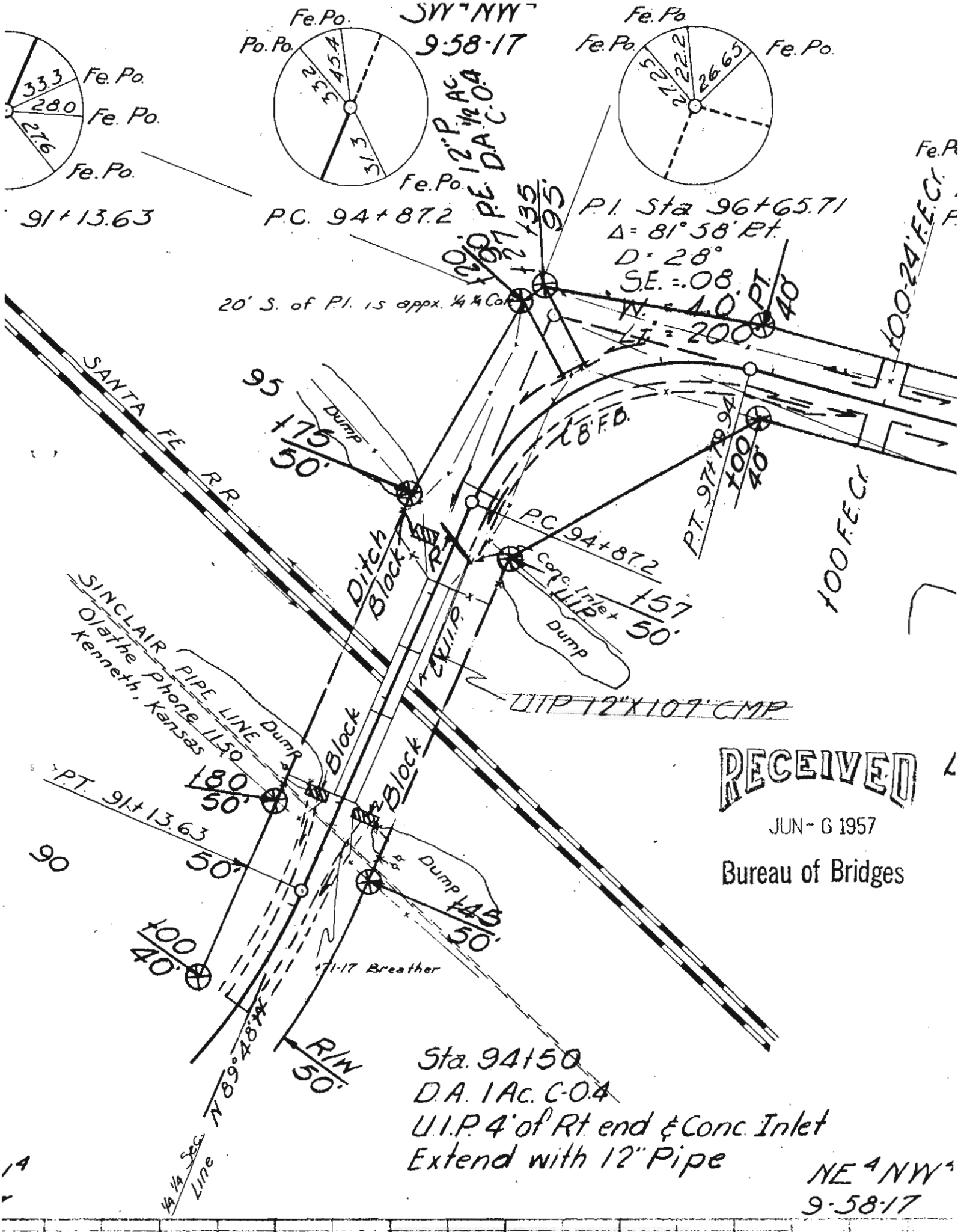
B. F. Leslie
B. F. Leslie
District Engineer

Enc-

By *[Signature]*

Date *8-27-56*

Verbal
Letter or Wire
Phone



RECEIVED

JUN - 6 1957

Bureau of Bridges

Macon, Missouri
June 4, 1957

SURVEYS & PLANS: Overhead Crossing
A.T. & S.F. Railroad
Route VV, Macon County

Mr. C. P. Owens

Attention: Mr. Roy C. Johnson

On August 24, 1956, we forwarded a UIP Bridge Report for the above crossing to Mr. Williams, to determine whether the existing overhead crossing would be suitable for use in place. It is listed under "Supplementary Bridges Used in Place" as Bridge W-404 T.O. #1, Station 92+05.

The bridge was inspected by Mr. White, and a report was made to Mr. Harris under date of September 7, 1956. In the 4th paragraph of this letter the statement was made that it would be satisfactory to use the structure in place when the adjacent road work is placed under contract with the structure to remain the property of the railroad company and to be maintained by them. However, Mr. William's letter further states, in the 5th paragraph, that if the railroad company desires that we take the structure into our supplementary system and maintain it, that would be satisfactory provided that the railroad company paints the hand-rail from the hubguard up with two coats of paint. Also, that the railroad company places a premixed bituminous mat over the entire floor and raises the grade over the concrete floor so that water will drain. Further, that it will provide better drainage along the cut-slopes through this section of cut, both from drainage off the structure and from the side ditches.

[Handwritten signature]

Mr. G. P. Owens - Attn: Roy C. Johnson

We have no information that this matter was ever taken up with the Santa Fe. We have placed this project on our current construction program and hope to place the work under contract sometime this summer.

All of the right-of-way has been cleared now with the exception of the arrangements to be made with the railroad company and also with the Sinclair Pipe Line Company.

We would be agreeable to taking this structure over for maintenance provided the railroad company would agree to take care of the items set out in Mr. William's letter, and, since our plans will be completed within the next week, would like to suggest that the necessary arrangements with the railroad company and pipe line people be completed as soon as possible.

When we fieldchecked this route it occurred to us that it might be desirable to require the railroad to do certain other things in connection with our taking over and assuming maintenance of the overhead structure, in addition to Mr. William's recommendations. These would include:

1. Realigning and repairing the handrails.
2. Retiring the railroad fence within the limits of the easements and reconstructing same in the location shown in red on the attached prints.

Our design will permit drainage from the east end of the overhead structure to flow east in the road ditches. It will, of course, correct to a great extent, the washy condition on the east cutslope of the railroad. On the west side our plans call for handling the drainage in the same manner as it is presently being handled, that is, the ditch water from both sides of the highway will be carried to a drop inlet near the northwest corner of the overhead structure, thence through an existing 12" corrugated metal pipe under the west cutslope.

Our contract with the railroad, we believe, should provide for continued maintenance by the railroad company of this drop inlet and pipe, as well as the backslopes in the railroad cut under the bridge.

SURVEYS & PLANS

Page 3

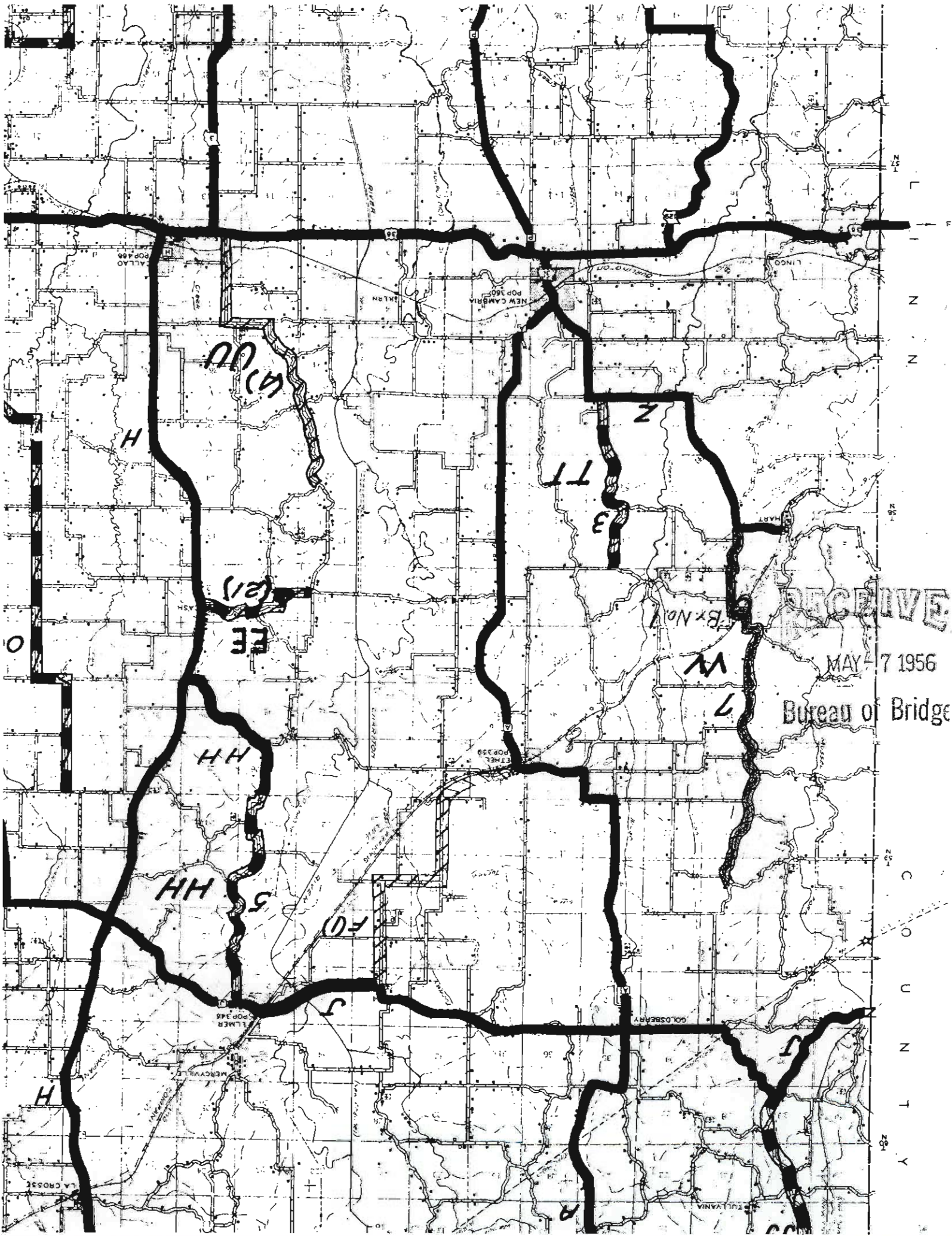
Mr. C. P. Owens - Attn: Roy C. Johnson

We note from correspondence in our files that negotiations are under way with the pipe line company for the adjustment of the pipes on the east side of the Santa Fe Railroad right-of-way.


B. F. Leslie
District Engineer

cc: J. W. Williams
Fred Harris

EEZ:mw



RECEIVED
MAY 7 1956
Bureau of Bridge

RECEIVED

MAR - 7 1957

Bureau of Bridges

March 6, 1957

Mr. Williams

**SURVEYS & PLANS
Pipeline Crossing
Route 5V, Macon County, near Hart**

**Mr. Fred A. Crane, Ass't. Supt.
Right of Way Department
Sinclair Pipe Line Company
Independence, Kansas**

Dear Mr. Crane:

Attached are two prints each of road information on the improvement of an existing road as a part of our Supplementary Road System.

At the east end of the Santa Fe overhead near this location the drainage from the side road ditches has caused and is now causing considerable trouble at each corner of the railroad structure. In order to eliminate this trouble the plan provides for reversing the existing road grade so that the water will be carried back to the east. At the point where this improvement crosses your pipeline the side road ditch can be eliminated, which will require less pipeline work.

The prints referred to above are sections of our road plans and a special sheet showing the proposed roadway grade from the Santa Fe structure back east. Under this plan it will be necessary to lower your pipeline some three feet at the point of crossing, and inasmuch as this improvement occupies an existing public road we must ask your company to lower this line at its expense.

We should be glad to have you investigate this matter as soon as possible and advise us if you can handle as outlined as we have this improvement scheduled for an early letting.

Very truly yours,

cc: Mr. H. E. Wilson
Mr. J. A. Williams
Mr. B. F. Leslie

RCJ:hh

Chief Engineer

DKM

RECEIVED

AUG 27 1956

BRIDGE REPORT
ON STRUCTURES USED IN PLACE

THIS REPORT TO BE FILLED IN WITH INK OR TYPEWRITER

Bureau of Bridges

Bad under what
7-25-57

T.O. #1

COUNTY MACON PROJ. NO. Rt. V.V. STA. NO. 92+05.13 BRIDGE NO. 334.3 DESIGN NO. W-404*ON ROAD FROM HART EAST & NORTH to Goldsberry 2.7 MILES N. E. S.W. OF HARTBRIDGE OVER SANTA FE R.R. SEC. 9 TWP. 58 N RG. 17 WREPORTED BY R. Waller DATE March 1956

*GIVE ADJACENT TOWNS, EACH WAY, NOT TERMINAL POINTS OF ROUTE.

SUPERSTRUCTURE

TYPE OF STRUCTURE See plans attached

LENGTH OUT TO OUT OF FLOOR	WIDTH BETWEEN CURBS	WIDTH OF SIDEWALKS	DISTANCE GRADE TO LOW CONST.	DISTANCE GRADE TO HIGH WATER	DISTANCE GRADE TO STREAM BED	EXPANSION PROVISIONS
	See plans attached					
CLEARANCE DIMENSIONS HEIGHT WIDTH MIN. MAX. MIN. MAX.		TYPE AND SIZE OF				DESCRIPTION OF FLOOR DRAINAGE
		RAIL		CURB		
		See plans attached				

GENERAL CONDITION Good

SUBSTRUCTURE

ABUTMENTS AND PIERS	MATERIAL	TYPE	TOP OF FOOTING TO BRIDGE SEAT	WIDTH OF BRIDGE SEAT	LENGTH OF BRIDGE SEAT	FOUNDATIONS (PILING)	WINGS (LENGTHS, ANGLES, ETC.)
WEST OR NORTH	<u>See plans attached</u>						
EAST OR SOUTH							
PIER							
PIER							
PIER							
PIER							

GENERAL CONDITION Good

GENERAL INFORMATION

DATE BUILT 1929 BY A.T. & S.F.R.R. FABRICATOR (IF STEEL BRIDGE) _____CAN PLANS BE OBTAINED? Yes GIVE NAME AND ADDRESS R.R. plans attachedEXTREME HIGH WATER ELEV. _____ LOW WATER ELEV. _____ EL. FLOOR 940.0ALIGNMENT OF STRUCTURE Straight SKEW OF STRUCTURE 30° 38' Lt. Ab.

STREAM ALIGNMENT ABOVE STRUCTURE _____ BELOW STRUCTURE _____

RIP RAP _____ CHANNEL PROTECTION _____

WHAT IS EFFECTIVE WATERWAY UNDER BRIDGE, AT 90° WITH DIRECTION OF FLOW, BELOW EXTREME HIGH WATER _____ SQ. FT.

DOES THIS WATERWAY CARRY ENTIRE FLOOD DISCHARGE? _____

DOES DRIFT PASS SATISFACTORILY? _____ DOES BRIDGE BACK UP WATER DURING FLOOD? _____

IS THERE ANY INDICATION OF SCOUR AT PIERS OR ABUTMENTS? _____

DRAINAGE AREA ABOVE BRIDGE SITE _____ SQ. MILES, HOW OBTAINED? _____

CHARACTER OF DRAINAGE AREA: FLAT, ROLLING, HILLY, OR MOUNTAINOUS _____

STEEL BRIDGES

TRUSSES

TYPE OF TRUSSES	LENGTH OF SPANS—C. TO C.	NO. OF PANELS	LENGTH OF PANELS

PLATE GIRDERS

LENGTH—C. TO C. OF BEARINGS	DEPTH—B. TO B. OF FLANGE ANGLES	WEB THICKNESS	FLANGE SECTION AT CENTER TOP BOTTOM	SIZE AND SPACING OF RIVETS IN FLANGE AT ENDS

BEAM SPANS

LENGTH C. TO C. OF BEARINGS	SPACING OF BEAMS	SIZE AND SHAPE OF INSIDE BEAMS	SIZE AND SHAPE OF OUTSIDE BEAMS

ARCHES-FRAMES-SUSPENSIONS

(DESCRIBE FULLY)

FLOOR BEAMS AND CONNECTIONS

TYPE	NUMBER	SPACING	SECTION	SIZE—SHAPE—NET SECTION	NO. & SIZE RIVETS FLOOR BEAM TO CONN.	NO. & SIZE RIVETS CONN. TO TRUSS
INTER-MEDIATE FLOOR BEAMS						
END FLOOR BEAMS						

STRINGERS

KIND	NO. LINES	SIZE AND LENGTH	SPACING	FLANGE WIDTH	WEB THICKNESS
DO STRINGERS REST ON TOP OF FLOOR BEAMS	HOW FRAMED TO FLOOR BEAMS		NO. AND SIZE RIVETS STRINGER TO CONNECTION	NO. AND SIZE RIVETS CONNECTION TO FLOOR BEAM	

ARE SHELF
ANGLES USED

END STRINGERS—LENGTH

SUPPORTS

FLOOR

TYPE	INCHES THICK	WEARING SURFACE	INCHES THICK
HOW FASTENED TO STRINGERS			

CONCRETE AND STONE MASONRY BRIDGES

CONCRETE SLAB

THICKNESS
OF SLAB

CONCRETE GIRDER

WIDTH OF GIRDER

AT CENTER

DEPTH OF GIRDER

AT ENDS

THICKNESS OF FLOOR SLAB

ARCHES OR FRAMES

TYPE SLAB
RIB

MATERIAL

CLEAR SPAN

RISE

CROWN THICKNESS

SPRING OR HAUNCH
THICKNESS

BASE THICKNESS

FILLING MATERIAL

DEPTH OF FILL
AT CROWN

CONCRETE BOX TYPE

SIZE

LENGTH BACK TO BACK
OF HEADWALLS

SHOULDER WIDTH

FILL AT CENTER LINE

FLOOR—CONCRETE OR ROCK

TIMBER BRIDGES

STRINGERS

ACTUAL SIZE

SPACING

NO. OF LINES

SPECIES AND TREATMENT

HOW SUPPORTED

LAPPED OR BUTTED

FLOOR

TYPE

SIZE OR THICKNESS

SPECIES AND TREATMENT

HOW FASTENED TO STRINGERS
OR CROSS BEAMS

HOW LAID

TRANSV.

LONG.

DIAG.

CROSS BEAMS

SIZE

SPACING

GRADE SEPARATIONS

TYPE OF SEPARATION OVERHEAD
 UNDERPASS

SEPARATION OF

MAINTENANCE OF STRUCTURE BY

MAINTENANCE OF APPROACHES BY

MAINTENANCE OF DRAINAGE BY

MAINTENANCE OF LIGHTS BY

PROVISION FOR FUTURE R. R. DEVELOPMENT

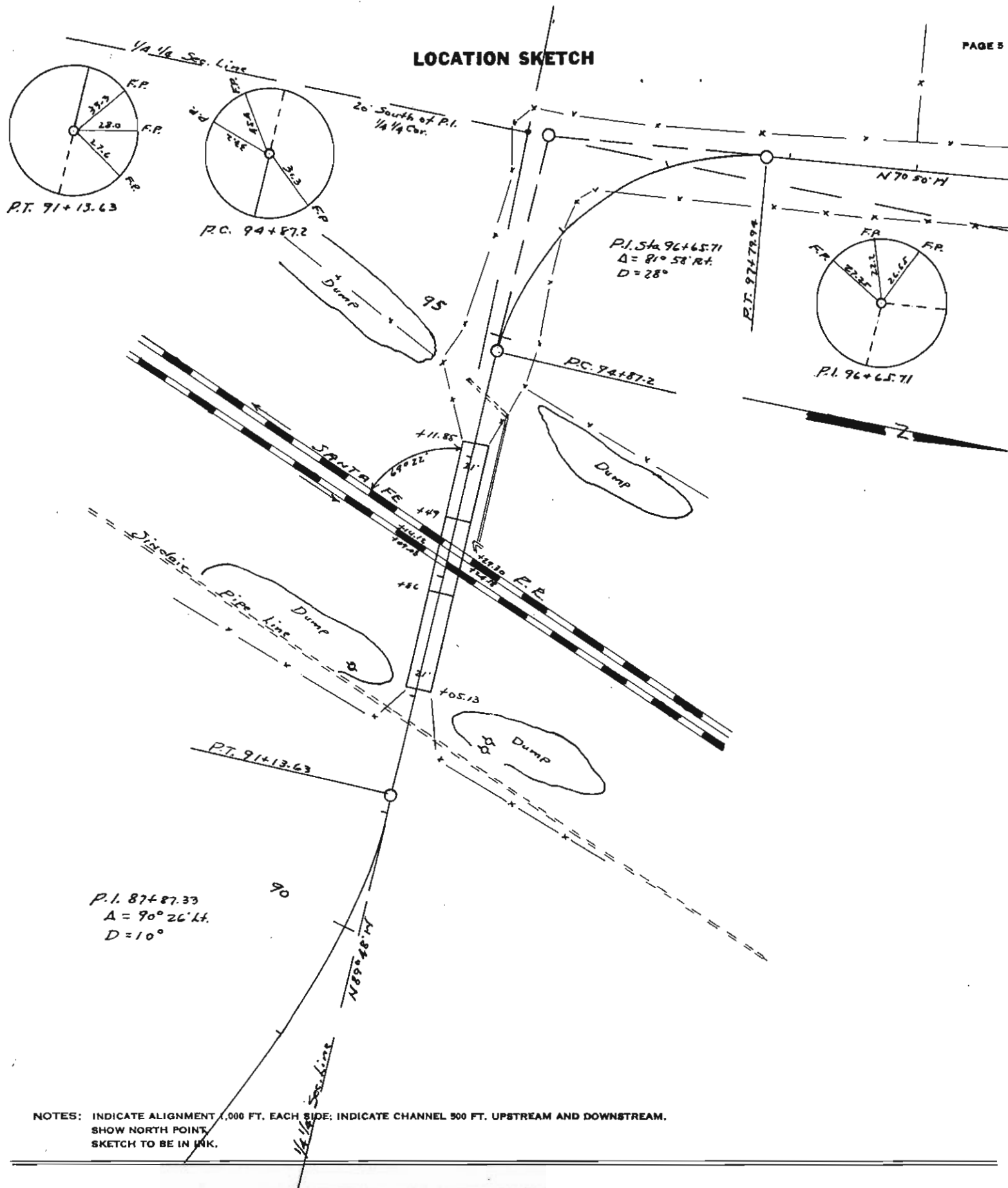
ADDITIONAL INFORMATION

SHOW BELOW—BY SKETCH NO. OF TRACKS; R. R. AND HIGHWAY ALIGNMENT; SUBWAY CLEARANCES—HORIZONTAL AND VERTICAL

NOTE: SHOW STRUCTURAL DETAILS UNDER PROPER HEADING.

STREAM CROSSINGS

DESCRIBE FULLY LOW WATER BRIDGES, FORDS OR FERRY CROSSINGS



NOTES: INDICATE ALIGNMENT 1,000 FT. EACH SIDE; INDICATE CHANNEL 500 FT. UPSTREAM AND DOWNSTREAM.
SHOW NORTH POINT.
SKETCH TO BE IN INK.

GENERAL REMARKS:

SKETCHES OF STRUCTURE

NOTES: SHOW ELEVATION AND PLAN OF STRUCTURE.
MAKE SKETCHES LARGE ENOUGH TO SHOW SIZES OF EACH MEMBER.
SKETCHES TO BE IN INK.
USE SEPARATE SHEETS FOR STRUCTURAL SKETCHES IF ADDITIONAL SPACE IS REQUIRED.

STRUCTURE INVENTORY & APPRAISAL SHEET

COUNTY MACON BRIDGE NO. W-404 Exc ROUTE VV

PLATE 14

(REV: 12-78)

IDENTIFICATION		CLASSIFICATION		By _____ Date _____	
1	State <u>MISSOURI</u>	24	Fed. Aid System _____	Transfer of Data _____	
2	Hwy District _____	25	Administrative <u>STATE</u>	Condition Analysis _____	
3	County _____	26	Functional _____	Appraisal _____	
4	City/Town _____			Cost _____	
5	Inventory Rte. _____ On <input type="checkbox"/> Under <input type="checkbox"/>			General Review _____	
6	Features Intersected _____			Maintenance Inspection _____	
7 Facility Carried by Struct. _____		STRUCTURE DATA 27 Year Built _____ 28 Lanes on Str. _____ Under _____ 29 ADT on Str. _____ 30 Year _____ 31 Design Load _____ 32 Appr. Rdwy Width W/Sh'd. _____ 33 Br. Median <input type="checkbox"/> None <input type="checkbox"/> Open <input type="checkbox"/> Closed 34 Skew _____ 35 Struct. Flared <input type="checkbox"/> Yes <input type="checkbox"/> No 36 Traffic Safety Features <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 37 Drainage Area _____ Sq. Mi. 38 Navigation Control <input type="checkbox"/> Yes <input type="checkbox"/> No -Vertical _____ Ft -Horizontal _____ Ft 41 Open to Traffic <input type="checkbox"/> Load Posted <input type="checkbox"/> Closed <input type="checkbox"/> 42 Br. Sur. Report Available <input type="checkbox"/> Yes <input type="checkbox"/> No 43 Utility Attachments <input type="checkbox"/> Yes <input type="checkbox"/> No		42 Type Service _____	
8	Structure No. _____ 1 of _____			43 Structure Type-Main _____	
9	Location _____			44 -Approach _____	
10	_____			45 No. of Spans-Main _____	
11	Milepoint _____			46 -Approach _____	
12	Road Section No. _____			47 Total Horiz. Clear. _____ Ft	
13	Defense Bridge Description _____			48 Max. Span Length _____ Ft	
14	Defense Milepoint _____			49 Structure Length _____ Ft	
15	Defense Section Length _____			50 Sidewalk Rt _____ Ft Lt _____ Ft	
16	Latitude _____			51 Br. Width (Curb-Curb) _____ Ft	
17	Longitude _____	52 Deck Width (Out-Out) _____ Ft			
18	Physical Vulnerability _____	53 Vert. Clearance Over Deck _____ "			
19	By-pass, Detour Length _____	54 Under Clearance-Vertical _____ "			
20	Toll Bridge <input type="checkbox"/> On Toll Rd. <input type="checkbox"/> On Free Rd. <input type="checkbox"/>	55 -Lateral-Right _____ Ft			
21	Custodian <u>M.S.H.D.</u>	56 -Left _____ Ft			
22	Owner <u>M.S.H.D.</u>	57 Wearing Surface Type _____			
23	F.A.P. No. _____				
CONDITION 58 Deck _____ 59 Superstructure _____ 60 Substructure _____ 61 Channel & Channel Protection _____ 62 Culvert & Retaining Walls _____ 63 Estimated Remaining Life _____ 64 Operating Rating _____					
APPRAISAL 67 Structural Condition _____ 68 Deck Geometry _____ 69 Under Clearances-Vert. & Lateral _____ 70 Safe Load Capacity _____ 71 Waterway Adequacy _____ 72 Approach Roadway Alignment _____					
REMARKS <u>Span # 5 - Bridge Floor is Conc with Asph Overlay</u> <u>Spans 1-2-3-4-6-7-8 - Bridge Floor is Timber with Asph Overlay</u>					

PROPOSED IMPROVEMENTS

73	Year Needed _____	Completed _____	Describe (item 75) _____
74	Type of Service _____		
75	Type of Work _____		
76	Improvement Length _____	Ft	_____
77	Design Loading _____		
78	Roadway Width _____	Ft	_____
79	Number of Lanes _____	82	Prop. Rdwy Improvement-Year _____
80	ADT _____	81 Year _____	83 -Type _____
84	Estimated Cost of Improvements \$ _____,000.		
85	Estimated Cost of Preliminary Engineering \$ _____,000.		
86	Estimated Cost to Demolish Existing Structure \$ _____,000.		
87	Estimated Cost to Construct Proposed Substructure \$ _____,000.		
88	Estimated Cost to Construct Proposed Superstructure \$ _____,000.		
89			

90	Date Structure was Inspected	MM	DD	YY
		(Month	Day	Year)

C	Year Remodeled _____
D	Structure Plans on Microfilm Roll _____ Exposure _____

MISSOURI STATE HIGHWAY DEPARTMENT
BRIDGE DATA ON SUPPLEMENTARY ROUTES TAKEN OVER FOR MAINTENANCE

DISTRICT TWO

COUNTY Macon

ROUTE VV

DATE May 3, 1956

SHEET NO. 1 of 1

LOCATION From Route Z just east of Hart northerly

LENGTH 7 Miles

TYPE 18-24' GE, Part Aggr. Surf.

TRAFFIC COUNT _____

Br. No.	Location	Name of Stream	Drain Area	Super Struct.	Length	Sub- Struct.	Rdwy. Width	Type Floor	REMARKS
<u>W-404</u> 1	<u>1 3/4 Mi. North of Rt. Z</u>	<u>A.T. & S.F. R.R.</u>	<u>—</u>	<u>Timber Appr. Steel Girder Timber Appr.</u>	<u>80' 60' 60'</u>	<u>Timber</u>	<u>20'</u>	<u>Apprs. - Wood Girder, Br. - Conc.</u>	

Bureau of Bridges

MAY - 7 1956

RECEIVED

G

1 3/4 Mi. N. Route 2 8-29-56 W

DIVISION OF BRIDGES

BRIDGE INSPECTION REPORT

FORM NO. B-702R

COUNTY **Macon** ROUTE NUMBER **YY 41** BRIDGE NUMBER **1** DESIGN NUMBER **W-404**
 DATE OF INSPECTION **5-14-56** INSPECTION MADE BY **BVG:OC**
 TYPE OF **3 @ 20' Timb. 60' Gr. 4020' Timb.** TYPE OF **Timber**
 SUPERSTR. **20' Hwy.** SUBSTR. **Timber**
Appr. Timber. G.-Conc. SUPERSTRUCTURE **RR**

1 TYPE AND CONDITION OF FLOOR AND WEARING SURFACE **Conc. & Timber rough + water stands in**
 2 CONDITION OF DRAINAGE **CO** **conc flow mat on timber rough**
 3 CONDITION OF RAILING, CURBS, ETC. **Good** **but no paint on timber H.P.**
 4 CONDITION OF MAIN MEMBERS (TRUSSES, GIRDERS, BEAMS, ARCHES) **Good 90%**

5 CONDITION OF FLOOR BEAMS AND CONNECTIONS **Good**
 6 CONDITION OF JOISTS AND CONNECTIONS **Good**
 7 CONDITION OF PAINT AND EXTENT OF CORROSION **Black - Good a few spots**

EXPANSION DEVICES AND SUPERSTRUCTURE SUPPORTS

8 ARE THEY FUNCTIONING PROPERLY				9 DO THEY REQUIRE				10 IS PROPER EXPANSION SPACE PROVIDED									
ROLLERS		ROCKERS		SLIDING PLATES		CLEANING		PAINTING		OILING		W. OR N. ABUT.		E. OR S. ABUT.		PIERS	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
				X													

11 DESCRIBE ANY DAMAGE TO STRUCTURE BY COLLISION, OVERLOADING, OR OTHER CAUSES

SUBSTRUCTURE

	MATERIAL	CONDITION	IS THERE ANY													
			SETTLING		SLIDING		TILTING		CRACKING		UNDERMINING		DISINTEGRATING			
			YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
12 W. OR N. ABUTMENT	Creo. TP	Good														
13 E. OR S. ABUTMENT	"	"														
14 PIER 7b	"	"														
15 PIER																
16 PIER																
17 PIER																
18 PIER																

19 DESCRIBE IN DETAIL THE LOCATION, EXTENT AND CAUSE OF ANY UNSATISFACTORY CONDITION LISTED ABOVE

fair pile

20 IF A SKEWED STRUCTURE, HAS THE SUPERSTRUCTURE MOVED TRANSVERSELY?

21 CONDITION OF RIPRAP

22 DESCRIBE DAMAGE, IF ANY, TO BACKWALLS AND WINGS

None

GENERAL

23 ARE PROPER EXPANSION JOINTS PROVIDED IN RIGID PAVEMENT TO PROTECT STRUCTURE?

OR

24 CONDITION OF STREAM CHANNEL AT, ABOVE, AND BELOW BRIDGE SITE

hh A.T.S.F.

25 HAVE THE FOLLOWING REPAIRS, RECOMMENDED LAST YEAR, BEEN MADE?

A - PG

G - Q

V - Q

C - ER

26 REMARKS

Get UIP

COUNTY	ROUTE NUMBER	BRIDGE NUMBER	DESIGN NUMBER
DATE OF INSPECTION	INSPECTION MADE BY		
TYPE OF SUPERSTR.	TYPE OF SUBSTR.		

27 REPAIRS RECOMMENDED

T.E. None

P.E. work by railroad recommended

Remove wearing surface
place precast concrete slabs on entire bridge + raise grade
on concrete spans so water won't pool
and then roll
Paint H.R. for that guard up 2 coats of

28 TOTAL ESTIMATED COST OF
REPAIRS RECOMMENDED29 REPAIRS COMPLETED
TO SUPERSTRUCTURE

paint preferable alumina for top coat

Some arrange will have to be made to
take care of water off of structure and
from all side ditches or approaches;

30 ACTUAL COST OF REPAIRS
TO SUPERSTRUCTURE31 REPAIRS COMPLETED
TO SUBSTRUCTURE

We would be letting ourselves into something
without better way to take care of roadway
approach drainage

32 ACTUAL COST OF REPAIRS
TO SUBSTRUCTURE33 DATE WORK
WAS COMPLETED

GRAND TOTAL COST OF WORK COMPLETED

34 HOW MUCH OF ITEM 33 IS
DUE TO FLOOD DAMAGE?HAS ANY MONEY BEEN SPENT IN VALLEY
CROSSING FROM SPECIAL FUNDS?

AMOUNT SPENT \$

AFE NO.

HOW MUCH SPECIAL FUNDS WAS
SPENT AT BRIDGE ENDS?HOW MUCH WAS SPENT SOME
DISTANCE FROM BRIDGE?

REMARKS:

RECEIVED

JUN 21 1957

Bureau of Bridges

June 20, 1957

Mr. Williams

SURVEYS & PLANS: Overhead
Route SVV, Macon County
Near Hart

Mr. B. F. Leslie

We have your letter of June 4, above subject, recommending that certain things be done on the overhead crossing prior to taking over by the State.

At a conference with Mr. Harris yesterday it was decided to make an exception of the Santa Fe structure on our road plans. The railroad now has an obligation to maintain this structure for vehicular traffic, and due to the drainage troubles existing at each corner of the structure we do not want to do anything which might obligate us for taking over this structure.

In regard to any road work at each end of the structure located upon railroad right of way, some one now has authority to maintain a public road at this location; therefore, we can go ahead with our road work up to the ends of railroad structure without any further handling with the railroad.

C. P. Owens

C. P. Owens
Engineer of Surveys and Plans

cc: Mr. Williams ✓
Mr. Harris
RCJ:hh

[Handwritten signature]