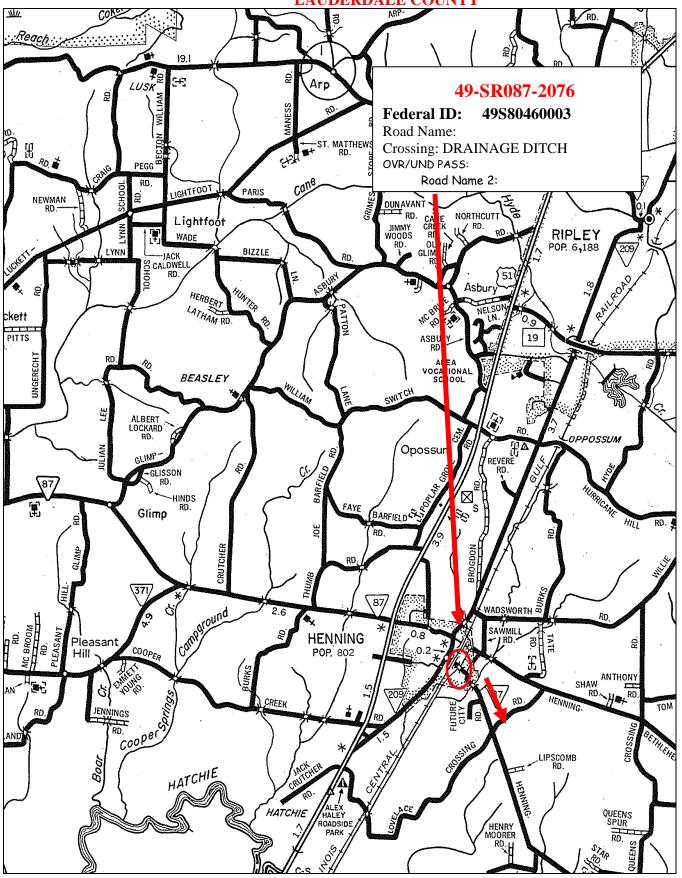
LAUDERDALE COUNTY



BRIDGE MAINTENANCE RECOMMENDATIONS

COUNTY: LAUDERDALE

LOCATION: 49-SR087-20.76-

SPEC. CASE: 0



CO. SEQ.: 1

REPAIR LIST NO.: CROSSING: DRAINAGE DITCH

DATE ADDED: FED. BRIDGE NO.: 49S80460003

REVISED: 11/10/2021 MAINT. DIST.: 49

FACILITY CARRIED:		FAU 87	NUMBER OF MAIN SPANS:	1		
HIGHWAY SYSTEM:	05-STP	RURAL, STATE	RURAL, STATE NUMBER OF APPROACH SPANS:			
BRIDGE WIDTH (CURB TO C	URB):	27 FT 10 IN	BRIDGE LENGTH (FT):	28		
BRIDGE WIDTH (OUT TO OU	JT):	28 FT 10 IN	MAXIMUM SPAN LENGTH (FT):	28		
APPROACH ROADWAY (W/SHO	OULDERS):	27 FT 10 IN	SKEW ANGLE (DEGREES):	90		
MAINTAINED BY:			STATE HIGHWAY AGENCY			
MAIN SPAN MATERIAL:			CONCPETE			
MAIN SPAN DESIGN TYPE:			CHANNEL BEAM			
APPROACH SPAN MATERIAL:		OTH	IER OR NOT APPLICABLE			
APPROACH SPAN DESIGN TY	PE:	OTH	HER OR NOT APPLICABLE			
INSPECTION DATE:	11/10/2021	G	ENERAL CONDITION:	FAIR		
EVALUATION DATE:	01/21/2020	S	TRUCTURALLY DEFICIENT:	NO		
PPRM PIN NUMBER:						
H TRUCK RATING @ INV.:	15 TONS	S	UFFICIENCY RATING:	86.2		
SUGGESTED ROUTINE MAINTE	NANCE AND COM	MENTS				

SUGGESTED ROUTINE MAINTENANCE AND COMMENTS
CLEAR DRAINS
APPROACH GUARDRAILS ARE SUBSTANDARD
BRIDGERAILS ARE SUBSTANDARD

GENERAL COMMENTS:	<u>:</u>			

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §40's
And its production pursuant to a public
Document records request does not
Mains the provisions of \$400.



Bridge Condition Coding Form

Revised 1	1/	1	2/	2()2	1
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49

County:

DEPARTMENT OF TRANSPORTATION **Route:** SR087 **Bridge Number:** 49S804600031 (Includes Item 5A) **Special Case:** 0 **Feature Intersected:** DRAINAGE DITCH **County Sequence:** 1 Log Mile: 20.76 **Evaluation Status:** NO CHANGE BUT STILL EVALUATE

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

TEM #	DESCRIPTION	VALUE	
90	LAST INSPECTION DATE	11/10/2021	
	EARLIEST DATE OF	09/11/2023	
	NEXT REGULAR INSPECTION	/ /	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)		IN IN
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)		IN IN
36	TRAFFIC SAFETY FEATURES Br. Rail Trans. Appr. Rail Te 0 0 0	rminal SPEED LIN 1 35	1 1
41	STRC OPEN/CLOSED/POSTED A K P	P	•
58	DECK	7	
59	SUPERSTRUCTURE	7	
60	SUBSTRUCTURE	6	
61	CHANL/CHANL PROTECTION	6	
62	CULVERT AND RETAIN WALL	N	
71	WATERWAY ADEQUACY	6	
72	APPROACH RDWY ALIGNMENT	8	
521	OVERALL CONDITION	FAIR	
	LATITUDE 17 LONGITUD N 35° 40.3417′ W 89° 34.3617	_	
	FAM LEADER SIGNATURE	/ / REVIEW DATE	

CONDITION CODING GUIDELINES

(Values for Coding Items 58, 59, 60 and 62)

- N NOT APPLICABLE
- 9 EXCELLENT CONDITION
- 8 VERY GOOD CONDITION NO PROBLEMS NOTED.
- 7 GOOD CONDITION SOME MINOR PROBLEMS.
- 6 SATISFACTORY CONDITION MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
- 5 FAIR CONDITION ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.
- 4 POOR CONDITION ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
- 3 SERIOUS CONDITION LOSS OF SECTION, DETERIORATION, SPALLING OR SCOUR HAVE SERIOUSLY AFFECTED PRIMARY STRUCTURAL COMPONENTS. LOCAL FAILURES ARE POSSIBLE. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT.
- 2 CRITICAL CONDITION ADVANCED
 DETERIORATION OF PRIMARY STRUCTURAL
 ELEMENTS. FATIGUE CRACKS IN STEEL OR
 SHEAR CRACKS IN CONCRETE MAY BE
 PRESENT OR SCOUR MAY HAVE REMOVED
 SUBSTRUCTURE SUPPORT. UNLESS
 CLOSELY MONITORED IT MAY BE
 NECESSARY TO CLOSE THE BRIDGE UNTIL
 CORRECTIVE ACTION IS TAKEN.
- 1 "IMMINENT" FAILURE CONDITION MAJOR DETERIORATION OR SECTION LOSS PRESENT IN CRITICAL STRUCTURAL COMPONENTS OR OBVIOUS VERTICAL OR HORIZONTAL MOVEMENT AFFECTING STRUCTURAL STABILITY. BRIDGE IS CLOSED TO TRAFFIC BUT CORRECTIVE ACTION MAY PUT IT BACK IN LIGHT SERVICE.
- 0 FAILED CONDITION OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.

Bridge Loc. No: 49-SR087-20.76 Date: 11-10-21



BRIDGE NUMBER

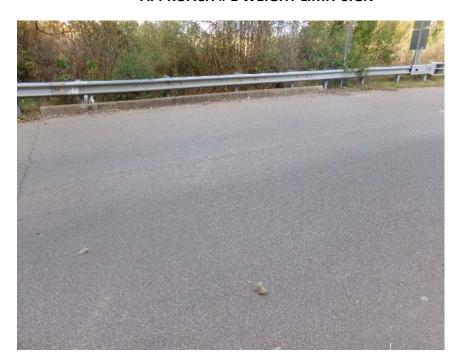


DIRECTION OF ROUTE

Bridge Loc. No: 49-SR087-20.76 Date: 11-10-21



APPROACH # 1 WEIGHT LIMIT SIGN



VIEW ACROSS TOP OF DECK

Bridge Loc. No: 49-SR087-20.76 Date: 11-10-21



OPPOSITE DIRECTION OF ROUTE



APPROACH # 2 WEIGHT LIMIT SIGN

Bridge Loc. No: 49-SR087-20.76 Date: 11-10-21



ABUTMENT # 2



ABUTMENT # 1

Bridge Loc. No: 49-SR087-20.76 Date: 11-10-21



BOTTOM DECK OF SPAN #1



RIGHT ELEVATION

Bridge Loc. No: 49-SR087-20.76 Date: 11-10-21



LEFT ELEVATION



DIRFT CAUGHT ON PIPE IN MIDDLE OF CHANNEL

BRIDGE INSPECTION REPORT

Form BIR 3.0	Field Report No.: <u>26</u>	Date: 시(10(2)
(Rev. 9-22-98)	Previous Report No.: 25	Date: 12/30/19
DT-0069	Co. Seq <u>01</u> Plans: YES (•
Bridge No. 49S80460003 Bridge Location	No. 49 - SR087 - 2076	-
Eleven Digit No.	Co. Route Log Mile	OVER/UNDER PASS
	AINAGE DITCH	CITY
Road Name	Feature Intersected	
Year Constructed 1992	County <u>Lauderdale</u> Maint. E	718t. <u>49</u> - Maint. Nesp. <u>0</u> 7
Year Widened Year Rehabi		Name (If Named)
FEATURES	Cirdotaic	INSPECTORS
Wearing Surface Concrete () Timber () As	sphalt (メ) Depth ((in.)	1
	Vidth Open () None (Y) Closed ()	1. Kee (TL)
Navigational Control Yes () No (4) Bridge	·	2. S. Hayer
•	30 E1()I(I()	3. A. Hayer
Structure Type (Main Span) P. C. C. S.		4. Lox
Structure Type (Appr.Spans)		5
No. Main Spans 1 No. Approach	Spans	6
Maximum Span Length 28.0 (**.* ft	i.)	7.
Total Length 28.0 (**.* ft	:.)	8.
WIDTHS (*.* ft.)	<u>CLEARANCES</u>	
Deck Out-to-Out 29.1	Min. Vertical Clearance over Deck	(ftin.)
Roadway Curb/Curb 27.9	Min. Vertical Under Clearance	(ftin.)
Roadway Rail/Rail	Min. Lateral Under Clearance Rt.	(*.* ft.)
Sidewalk Rt. Lt.	Min. Lateral Under Clearance Lt.	(*.* ft.)
	FRACTURE CRITICAL:	(. it.)
*Approach Roadway 20.0 *(Does Not Include Shoulders)	(If Yes, Include BIR 3.9)	
Approach Shoulder Rt. 4.0	(ii 100, iiiolade bii (0.0)	
Lt. 4.0	NBIS Bridge Length (<25 ft.)	(ftip.)
	Note bridge Length (<25 ft.)	(11111.)
UNDERWATER INSPECTION To Be Performed By:	Date	
DOT FIELD TEAM () CONTRACT DIVERS ()		
	•	Vec () No XA
Change in Structural Condition: Yes () No	Major Repairs Made.	168 () 140 (X)
<u>COMMENTS:</u>		
LATITUDE: N35 ° 40.3416 '		
LONGITUDE: W89 ° 34.3616 '	BRIDGE RATING: () (X)	() ()
G.P.S. Location	GOOD FAIR	
Supervising Bridge Inspector:	1_ 100	

Form BIR 3.1 (Rev. 9-22-98) Bridge DT-0080	E Location No. 49 - SR087 - 2076 Date Co. Route Log Mile	
Time of Day Inspected 3:0 Vehicles Observed	100	
Horiz./ Vert. Defl. (Vibration (YES NO	
Superstructure Horiz./ Vert. Defl. (Vibration (() (X)	
Alignment G F Slab G F Joints G F Pavement G F Embankment G F	F P C	
Bridgerailing Transitions G G F G G F G G F G G G G	ES STANDARD STANDARD Comments F P C () () F P C () () F P C () () F P C () () YES NO NEEDED Weight Limit Posted () () () YES () NO ()	
Paddleboards ·Vertical Clearance (<14'-6' NARROW () ONE LANE BRIDGE ()	() (χ) () Gross	Tons Tons Tons
Other Signs or Plaques: _ Comments Regarding any Problems with Signing:		

Form BIR 3.2					
(Rev. 9-22-98) DT-0081	Bridge Location No.				Date
D1-0001		Co.	Route	Log Mile	Comments
DECK	Rating				
Wearing Surface	(G) F P C		<u> </u>		
Deck - Structural Condition	GFPC				
Curbs	(G) F P C				
Median	ĞFPC				
Sidewalks	GFPC				
Parapet	GFPC				
Railing	G F P C				
Paint	ĞFPC	Αl\	drains	(043)	
Drains	G F (C) C G F P C	7.11			
Lighting Standards	GFPC				
Utilities Joint Leakage	GFPC				
Expansion Joints	GFPC		·		
SUPERSTRUCTURE	•				
Bearing Devices	GFPC				
Beams	GFPC				
Girders	GFPC				
PCCS	<u>G</u> (F), P C−				
BOLTS (PCCS)	(G) F P C			•	
•	GFPC				
Floor Beams	GFPC				
Stringers	GFPC				
Diaphragms	GFPC				
Bracing	GFPC				
Trusses - General Portals	GFPC				
	GFPC				
Bracing	GFPC				
Paint					
Alignment of Members					
TEXTURE COAT		,		_	
Condition Rating			Fading		F P C
Overall Appearance	GFPC		Needs S	pot Painting	YES() NO()
Staining Rating	G-F P C		Needs R	Repainting	YES() NO()
Comments					- Scaling Rating G F P C
RECOMMENDATION					CLEAN SEAL JOINTS ()
					CLEAN DRAINS (X)
					7.

Form BIR 3.3 (Rev. 9-22-98)

Bridge Location No.

CDA97 2076 Date

DT-0082	bridge Locatio	Co.	Route	Log Mile	- -	
SUBSTRUCTURE				3	PILES T REPLA	
<u>ABUTMENTS</u>	Rating	Com	ments		PILE(S)	, ABUTMENT
Caps Breastwall	G P C _ G P C _					
Wings	G F P C _					
Backwall	GFPC					
Plumb	GFPC_					
Footing	GFPC _					
Piles	GEPC_	······································				
Embankment	G(F) P C _ G(F) P C _					
Bearing Ret. mill Slope Paving	GPPC _ GFPC _					
Rip Rap	GFPC _					
Earthquake Devices	GFPC_					
<u>PIERS</u>	•				PILE(S)	PIER
Caps	GFPC_					
Columns	GFPC_					<u></u>
Plumb	GFPC_					-
Footings Piles	GFPC_GFPC		/	···	`	• • • • • • • • • • • • • • • • • • • •
Bearing	GFPC					
Web	GFPC_		_			
Earthquake Devices	GFPC_			,		
BENTS					PILE(S)	BENT
Caps	GFPC_					
Columns	GFPC_					<u></u>
Plumb	GFPC_ GFPC_					
Footings Piles	GFPC-					
Bearing	GFPC-	•				
Bracing	GFPC_					
Earthquake Devices	- G F P C -			······································		
Piles I	Need Replaceme	nt: NO()	YES	()——		
CUT \	VEGETATION	ΝΟ (χ	•			
CLEA	R DRIFT	NO (YES (· •		
RECOMMENDATION			· ·			
		<u>-</u>				

DT-1508

Bridge Location No. 49 - SR087 - 2076

Co. Route Log Mile

Date _____

STREAM CHANNEL DATA AND CONDITIONS

		Stream Crossing: DRAINAGE DITCH
1.	1.	Type of bed material? Sancl of Silt
		Has channel shifted? YES () NO (X) NOT APPARENT ()
	3.	Condition of rip-rap? GFPC Est. % failed % N/A (x)
	4.	Overall condition of channel? GFPC
	5.	Item 61 - Code values 0 thru 9 according to the recording and coding guide currently in effect:
	6.	Underwater diver inspection recommended? YES () NO (X) If yes, why?
11.	Ch	annel and bank stability conditions: (check if applicable)
	1.	Steep bank conditions: - Failures upstream () Failures downstream
	2.	Moderate bank erosion (x)
	3.	Bank vegetation: a. low growth () b. large timber () c. clear banks () d. dead trees upstream (X) e. dead trees downstream (X)
	4.	Sediment or gravel accumulation: YES (X) NO () UNKNOWN ()
	5.	Channel altered or straightened: YES () NO () UNKNOWN ()
	6.	Stable conditions: a. live growth (X) b. bedrock () c. boulders () d. flat slopes (<=2:1) ()
III.	Wa	aterway adequacy and debris characteristics: (check if applicable)
	1.	Bridge deck elevations:
		a. level with approach roadway (💢)
		b. higher than approach roadway
	_	c. roadway approach >= 2 ft. above natural ground line (X)
		Abutment encroaches into channel
•		Large cood (blownole) and bridge.
	4.	Indications that flood waters overtop bridge: NO (X) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN ()
	5.	Debris characteristics:
		a. debris/drift present YES (X) NO ()
		 b. debris/drift likely to accumulate YES (★) NO () c. dead trees upstream (★) dead trees downstream (★)
IV/	Co	
, v .		omments:
		AL INSPECTION DATA - FOR REASONS OTHER THAN FC OR SCOUR
		nes this bridge need a special inspection? YES () NO (x)
11.	Re	ason for special inspection:

RODUCED PURSUANT TO
'UBLIC RECORDS REQUEST
his document is covered by 23 USC §409
and its production pursuant to a public
tocument records request does not
Valve the provisions of \$409

Inspection Team's Summary
Bridge Location No. 49 - SR087 - 20.76
Inspection Date 11/10/21
Bridge Rating Fair

This is a 1 span p.c.c.s. & timber bridge with metal bridge rails, metal approach rails, 2 paddle boards on approach # 2 only & 40 ton weight limit signs on both approaches.

Approach roadway has up to 1/16" cracks, light settlement & patched areas.

Drains are filled with debris.

The superstructure has up to 1/16" cracks & spalling.
The substructure has light to medium weathering & up to ½" checks.

Jaylan Cox
INSPECTOR

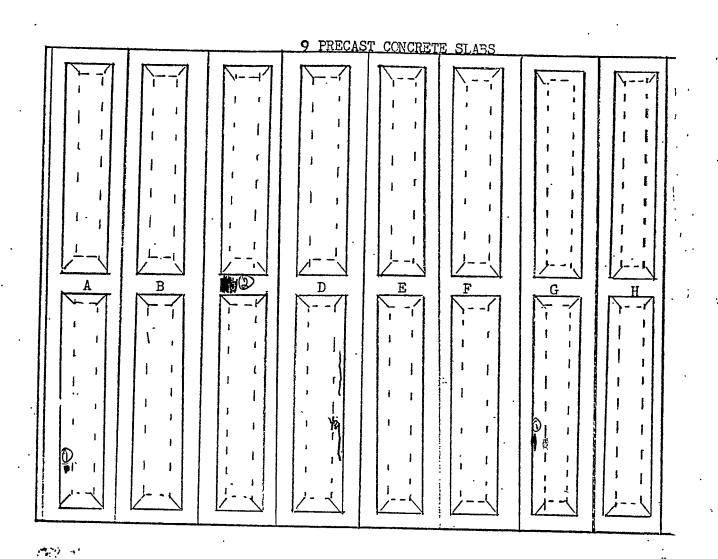
CROSS SECTION: YES () NO (X) BRM: YES (X) NO ()

BR. NO. 49 87 20,76 SK. 50°

SPAN NO.

·	DIR. OF ROUTE
	·

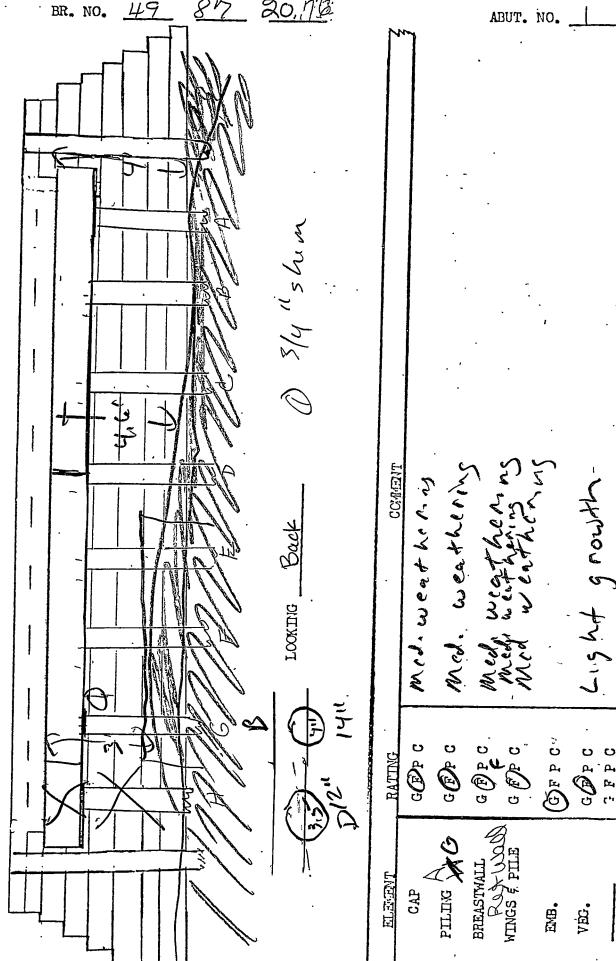
, ELECTIVIT	RATING	CCAEIT	
TOP DECK	GFPC		
RAILS & POST	GFPC		·
PATET	GFPC		
DRATES	G F P C	filled ordebris	*·
JON!TS	GFPC		
CURES ;	GFPC		•
•			
		•	
		• •	

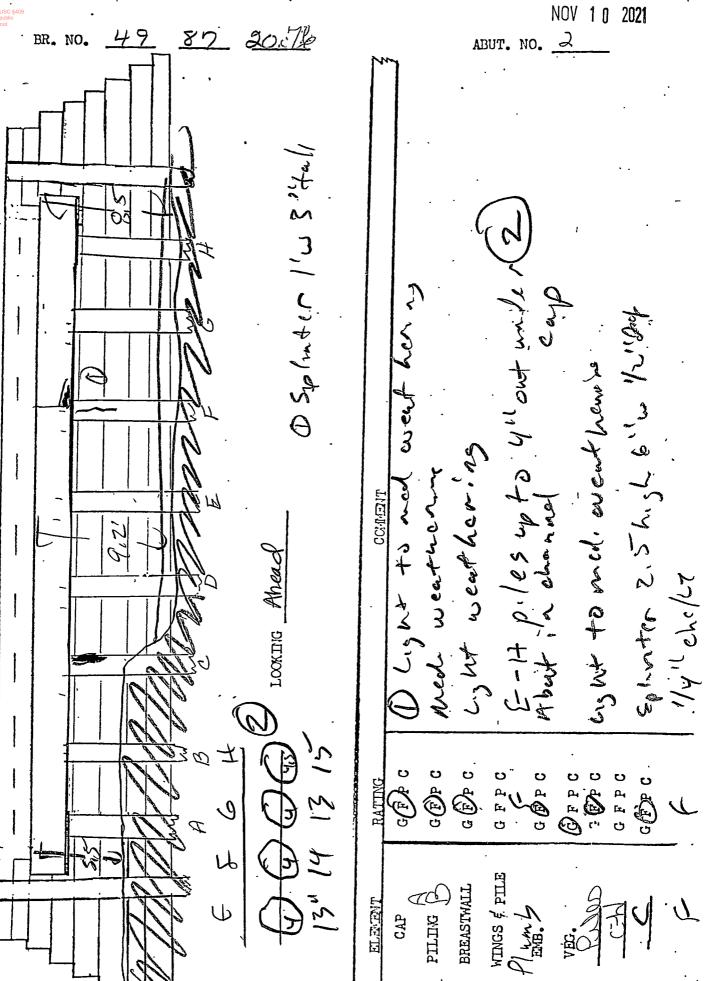


Element	Rai	tin	<u> </u>		Commen	t			
SLAB	AG F	P P	C	See (1)				(1) Spalling	5/2ax/8/p
and and a	C G F	P	C	SEC 3				(2) Spalling	1/wx 1/2 ×3/10
	D G ®	P	C	UP+0 1/8" CROCKS				. .	
	EG F	P	C	·					
	FG F	P	C						
	GG F	P	C	SEE D	•			v	
	HG F	P	Ć				•		f :
BOLTS:	G F	P	С						
Rtman	. 0	-				•			
OTHICE	Ω.		.					. ,	

Rev. 08/03/00 Date: BRIDGE NUMBER: 49S80460003 <u>49</u> <u>SR087</u> <u>2076</u> Pg. # _____ of ____ CROSSING: DRAINAGE DITCH DATE 12/30/19 **TOTAL HEIGHT** (t) ABUT/BENT/ W/FTG @ H= TOP OF CAP TO **EXPOSURE** LAST TOP OF CAP TO PIER **FOOTING** (OR GROUND LINE/ **EXPOSURE THICKNESS** TOP OF FOOTING NUMBER DATE FOR PILES 48 9.5 TOP OF CAP TO TOP OF WATER: _____ RIP-RAP: YES: () NO: 💥 @ ABUTMENTS:_____ 100.00' UPSTREAM: ______ @ BENTS/PIERS:___ THRU STRUCTURE: UPSTREAM 100.00' DOWNSTREAM:_____ DOWNSTREAM THRU STRUCTURE -COMMENTS:

COMMENTS:





 49S80460003
 49 SR087 2076
 SKEW: 90

 BRIDGE NO.:
 CO. ROUTE L.M. L/R
 No. of Spans: 1

 No. of Approach Spans:
 No. of Approach Spans: 1

Direction of Route

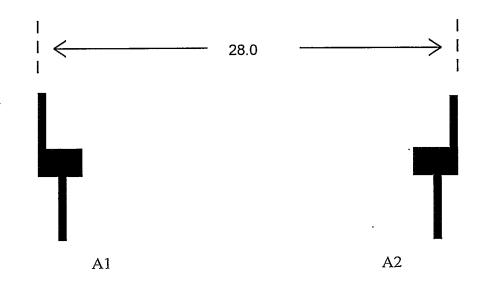
A1 A2

F = FIXED

E = EXPANSION

S = SIMPLE

C = CONTINUOUS



Your Agency Name

Your Office Name Your Department Name

Structure Inventory and Appraisal Sheet (English Units)

ELEME	NT CONDI	TION STATE DATA							•			
Str Unit	Elm/Env	Description	Unit	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4
0	12/3	Re Concrete Deck	sq.ft	815.00	100%	815.00	0%	0.00	0%	0.00	0%	0.00
0	510/3	Wearing Surfaces	sq.ft	782.00	100%	782.00	0%	0.00	0%	0.00	0%	0.00
0	116/3	Re Conc Stringer	ft	224.00	98%	219.00	2%	5.00	0%	0.00	0%	0.00
0	1080/3	Delamination/Spall/Patched Area	ft	2,00	0%	0.00	100%	2.00	0%	0.00	0%	0.00
0	1130/3	Cracking (RC and Other)	ft	3.00	0%	0.00	100%	3.00	0%	0.00	0%	0.00
0	216/3	Timber Abutment	ft	62.00	100%	62.00	0%	0.00	0%	0.00	0%	0.00
0	330/3	Metal Bridge Railing	ft	56.00	100%	56.00	0%	0.00	0%	0.00	0%	0.00

49\$80460003

INSP012_Inspection_SIA_English