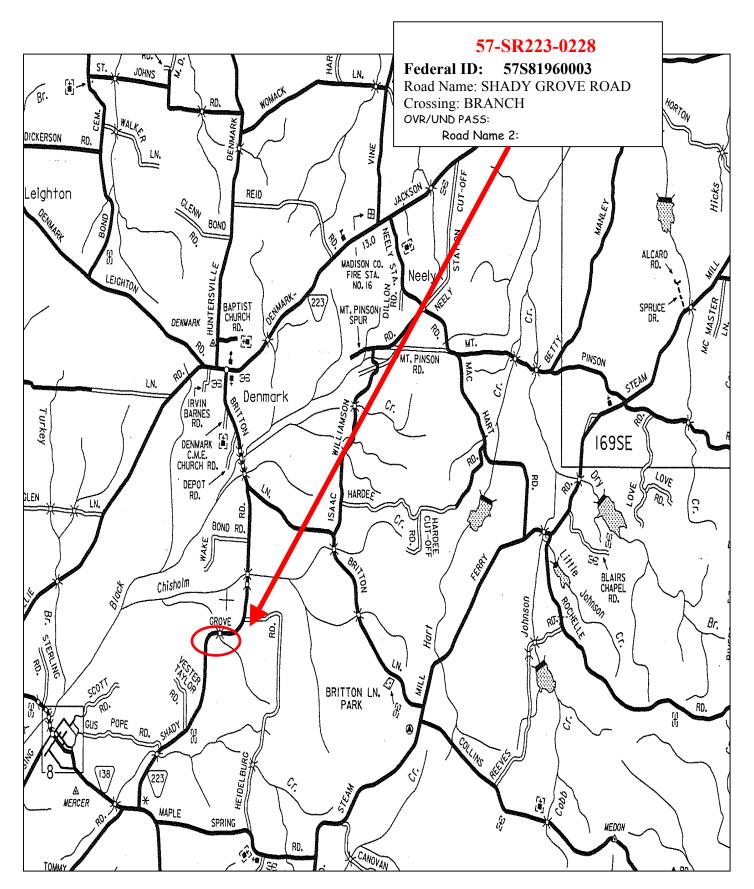
### **MADISON COUNTY**



BRIDGE MAINTENANCE RECOMMENDATIONS

COUNTY: MADISON LOCATION: 57-SR223-02.28-CO. SEQ.: 1 SPEC. CASE: 0



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06/10/2019

#### REPAIR LIST NO .: CROSSING: BRANCH DATE ADDED: 07/10/2017 FED. BRIDGE NO.: 57S81960003 REVISED: MAINT. DIST.: 57

FACILITY CARRIED:		F	AS 223	NUMBER OF MAIN SPANS:	1
HIGHWAY SYSTEM:	05-STP	RURAL,	STATE	NUMBER OF APPROACH SPANS:	0
BRIDGE WIDTH (CURB TO CURB	):	20 FT	11 IN	BRIDGE LENGTH (FT):	23
BRIDGE WIDTH (OUT TO OUT):	-	22 FT	3 IN	MAXIMUM SPAN LENGTH (FT):	23
APPROACH ROADWAY (W/SHOULD	ERS):	29 FT	10 IN	SKEW ANGLE (DEGREES):	60
MAINTAINED BY:				STATE HIGHWAY AGENCY	
MAIN SPAN MATERIAL:				STEEL	
MAIN SPAN DESIGN TYPE:		ST	RINGER/	MULTI-BEAM OR GIRDER	
APPROACH SPAN MATERIAL:			OTH	IER OR NOT APPLICABLE	
APPROACH SPAN DESIGN TYPE:			OTH	IER OR NOT APPLICABLE	
INSPECTION DATE: (	6/10/2019		G	ENERAL CONDITION:	FAIR
EVALUATION DATE: (	8/09/2017		S	TRUCTURALLY DEFICIENT:	YES
PPRM PIN NUMBER:	124712.00				
H TRUCK RATING @ INV.:	20 TONS		S	UFFICIENCY RATING:	12.6

#### SUGGESTED ROUTINE MAINTENANCE AND COMMENTS

APPROACH GUARDRAILS ARE SUBSTANDARD

BRIDGERAILS ARE SUBSTANDARD

#### GENERAL COMMENTS:

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BRIDGE IS ON THE IMPROVE ACT. EARLIEST LETTING IS CY 2017.

STATE OF TENNESSEE

# Bridge Condition Coding Form

Revised 06/11/2019

DEPAR	STATE OF TENNES		Cour	ngru	County:	57
	Bridge Number:		575819600031		Route:	SR223
	cludes Item 5A)		575017000051		Special Case:	0
Feat	ure Intersected:		BRANCH		<b>County Sequence:</b>	1
Eva	aluation Status:	COND	ITION ITEM CHANG	E	Log Mile:	2.28
CODE	E ONLY THOS	SE VALUES W	HICH HAVE CHA	NGED	-	
ITEM #	# DESCRIPTIO	N	VALUE	CONDIT	TION CODING GUIDELINES	5
90	LAST INSPECT	TION DATE	06/10/2019	(Values fo	r Coding Items 58, 59, 60 and 62)	
	EARLIEST DAT NEXT	<b>FE OF</b>	04/10/2021			
	REGULAR INS	PECTION	/ /	N NOT	APPLICABLE	
10	MINIMUM V.C.	. OVER	99 FT. 99 IN.		ELLENT CONDITION	
10	DECK (ROADWAY + S		FT IN.	8 VER	Y GOOD CONDITION - NO BLEMS NOTED.	
520	MINIMUM V.C.		99 FT. 99 IN.	7 GOO	D CONDITION - SOME MINOR	R PROBLEMS
320	(EXCLUDES SH		FT IN.		SFACTORY CONDITION - MIN ERIORATION OF STRUCTURA	
36	TRAFFIC SAFE	ETY FEATURES			MENTS.	
	Br. Rail Trans		erminal SPEED LIMIT	5 1111	CONDITION - ALL PRIMARY	
	0 0	0	1 45		UCTURAL ELEMENTS ARE SO THAVE MINOR SECTION LOSS	
				CRA	CKING, SPALLING OR SCOUR	t.
41		LOSED/POSTED K P	Р		R CONDITION - ADVANCED SI S, DETERIORATION, SPALLIN	
50				SCO		0.011
58	DECK		6		OUS CONDITION - LOSS OF S ERIORATION, SPALLING OR S	
59	SUPERSTRUCT	ГURE	6	SERI	OUSLY AFFECTED PRIMARY	
				FAIL	UCTURAL COMPONENTS. LO JURES ARE POSSIBLE. FATIG	UE CRACKS
60	SUBSTRUCTU	RE	6		FEEL OR SHEAR CRACKS IN ( BE PRESENT.	CONCRETE
61	CHANI /CHANI	L PROTECTION	6			ED
01	CHANL/CHAN		U	-	FICAL CONDITION - ADVANCE ERIORATION OF PRIMARY ST	
62	CULVERT AND	RETAIN WALL	N		MENTS. FATIGUE CRACKS IN AR CRACKS IN CONCRETE M	
				PRES	SENT OR SCOUR MAY HAVE I STRUCTURE SUPPORT, UNLE	REMOVED
71	WATERWAY AI	DEQUACY	5	CLO	SELY MONITORED IT MAY B	E
					ESSARY TO CLOSE THE BRID RECTIVE ACTION IS TAKEN.	GE UNTIL
72	APPROACH RI	DWY ALIGNMENT	8	1 "IMI	MINENT" FAILURE CONDITIC	N - MAIOR
				DET	ERIORATION OR SECTION LO	OSS
521	OVERALL CON	NDITION	FAIR		SENT IN CRITICAL STRUCTU IPONENTS OR OBVIOUS VERT	
					IZONTAL MOVEMENT AFFEG UCTURAL STABILITY. BRIDG	
16	LATITUDE	17 LONGITUI		CLO	SED TO TRAFFIC BUT CORRE	ECTIVE
	N 35° 29.7150'	W 89 ° .076′	7	ACT	ION MAY PUT IT BACK IN LIG	an i servici
				-	ED CONDITION - OUT OF SER OND CORRECTIVE ACTION.	<b>WICE AND</b>
1	FEAM LEADER S	IGNATURE	REVIEW DATE		PRODUCED PURSUANT TO	



**BRIDGE NUMBER** 



LOOKING AHEAD ON ROUTE & WEIGHT LIMIT SIGN



APPROACH # 2



**VIEW ACROSS TOP OF DECK** 



**RIGHT SIDE UP STREAM** 



#### **LEFT SIDE DOWN STREAM**



APPROACH # 2



LOOKING BACK ON ROUTE & WEIGHT LIMIT SIGN



ABUTMENT # 1



**BOTTOM DECK** 



ABUTMENT # 2



**RIGHT SIDE ELEVATION** 



**LEFT SIDE ELEVATION** 

Field Report No. えち Date <u>610/19</u>
Previous Report No. <u>24</u> Date <u>8[3][1</u> Co Seq: <u>01</u> Plans: YES() NO(
n No. <u>57 - SR223 - 0228</u> Co. Route Log Mile OVER/UNDER PASS
BRANCH
Feature Intersected CITY
_ CountyMadisonMaint. Dist.: <u>48</u> Maint.Resp
Structure Name (If Named)
sphalt ()) Depth $1/2'$ (in.) $\frac{1}{1}$ INSPECTORS
Width Open () None (V) Closed ()
$\sim Skow 75D \circ IT() BT()$
4. Thomas
5. Prince
h Spans 6
ft.) 7
ft.) 8
<u>CLEARANCES</u>
Min. Vertical Clearance over Deck(ftin.)
Min. Vertical Under Clearance(ftin.)
Min. Lateral Under Clearance Rt(*.* ft.)
Min. Lateral Under Clearance Lt. (*.* ft.)
FRACTURE CRITICAL:
(If Yes, Include BIR 3.9)
NBIS Bridge Length (<25 ft.) (ftin.)
Date
) NONE REQUIRED (X)
No (X) Major Repairs Made: Yes (X) No ( )
- Substructure repairs
7/2017 < Substructure repairs Superstructure replaced W/PCC
BRIDGE RATING: ( ) ( $\succ$ ) ( ) ( )
GOOD FAIR POOR CRITICAL
YOU)
PRODUCED PURSUANT TO

Form BIR 3.1			JUN 10 2019
	Bridge Locatic	n No. <u>57 - SR223 - 0228</u> Co. Route Log Mile	Date <u>6/10/19</u>
PERFORMANCE EVAL			
Time of Day Inspected	1 3:38 PN	Weather Conditions Clear	820
Vehicles Observed	NORM	nal Tratfic	· · · · · · · · · · · · · · · · · · ·
LIVE LOAD BEHAVIO	DR		
Substructure	YES N	O Comments	
Horiz./ Vert. Def	. () (	<b>X)</b> •	
Vibration	· ( ) (	♦)	
Superstructure		··	
Horiz./ Vert. Def	() (	<	·
Vibration	() (	×)	
APPROACH	Rating	Comments	
Alignment	G F P C		·
Slab	GFPC	NIA	
Joints	GFPC		· · · · · · · · · · · · · · · · ·
Pavement	GEPC	Fine Chacks	
Embankment	G F P C		
Drains	GFPC	NIA	
TRAFFIC SAFETY FE	ATURES Rating	STANDARD/ SUB-STANDARD C	omments
Bridgerailing	©FPC	( ) · (½)	
Transitions	<b>G</b> FPC		
Guardrail	<b>G</b> FPC	(	
Guardrail Terminal	G F P C		
	U		, nit Destad
SIGNING		YES NO NEEDED Weight Lir ( $\chi$ ) () () YES ( $\chi$ )	
Paddleboards	-1 1! 6")		
Vertical Clearance (	< 14-0)		110
			Axles Tons
ONE LANE BRIDGE	- ()	() ( <i>)</i> () 3 or more <i>A</i>	10113
Other Signs or Plaq			
Comments Regardi Problems with Signi			
,,,		·	
	<del></del>	· · · · · · · · · · · · · · · · · · ·	

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Form BIR 3.2 (Rev. 9-22-98)	Duidue Leastien Ne		00000	0220	JUN 10 2009
DT-0081	Bridge Location No.	<u>5/</u> Co.	- SR223 Route	- 0228 Log Mile	Date <u>6/10/19</u>
DECK	Rating			0	Comments
Wearing Surface	GPC				
Deck - Structural Condition	G @ P C				
Curbs	(G) F P C		. <u> </u>		
Median	GFPC				
Sidewalks	GFPC				
Parapet	GFPC				
Railing & post	j G F P C .				
Paint	G F P C .				•
Drains	GFPC.				
Lighting Standards	G F P C				
Utilities	GFPC.			-	
Joint Leakage	GFPC			· <u>·······</u> ·····	
Expansion Joints	GFPC		· · ···		<u></u>
SUPERSTRUCTURE					
Bearing Devices	GFPC				
Beams	GFPC		· · · · · ·		
Girders	GFPC				· · · ·
PCCS	G (F) P C				
BOLTS (PCCS)	G 🕞 P C				
Floor Beams	GFPC				
Stringers	GFPC				· · ·
Diaphragms	GFPC				·
Bracing	GFPC				
Trusses - General	GFPC				
Portals	GFPC				
Bracing	GFPC				
Paint	GFPC				
Alignment of Member	s 🕼 FPC				
TEXTURE COAT					
Condition Rating	GR/P/AC	F	ading	GI	FPC , , ,
Overall Appearance	G / F / C	1	Veeds Sp	ot Painting	YES ( A NO( A
Staining Rating	G'FPC		, Needs Re	-	YES() NO()
Comments					Scaling Rating / S//F P C
RECOMMENDATION					
					CLEAN DRAINS ( )
				<u> </u>	U U

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Form BIR 3.3 (Rev. 9-22-98) DT-0082	Bridge Location No.	<u>57 - SR223 - 0228</u> Co. Route Log Mile	_ Date	
SUBSTRUCTURE			PILES TO E REPLACE	
Footing Piles	G ₱ Р С G F Р С	Comments	PILE(S)	ABUTMENT
PIERS			PILE(S)	PIER
Caps Columns Plumb Footings Piles Bearing Web Earthquake Devices	G F P C G F P C			
CUT \ CLEA	G F P C G F P C Need Replacement: /EGETATION R DRIFT	NO (X) YES ( ) NO (X) YES ( ) NO (X) YES ( ) NO (X) YES ( )	PILE(S)	BENT
	NS:			

Form BIR 3.8       Bridge Location No.       57 - SR223 - 0228       Date       Date       0/101000         DT-1508       STREAM CHANNEL DATA AND CONDITIONS       Stream Crossing:       BRANCH       Date       0/10100         1       Type of bed material?       Clay Sill+, sand       Stream Crossing:       BRANCH       0/10100         2       Has channel shifted?       YES () NO (X) NOT APPARENT ()       Stream Crossing:       M // (X)         3. Condition of rip-rap?       G F P C       Est. % failed       % N/A (X)         4. Overall condition of channel?       G P C       Stream Crossing:       ////////////////////////////////////		132 9.1 HUL
DT-1508       Co.       Route       Log Mile         STREAM CHANNEL DATA AND CONDITIONS         Stream Crossing:       BRANCH         1.       Type of bed material?       Clay Stift; Sand         2.       Has channel shifted?       YES() NO (X) NOT APPARENT()         3.       Condition of rip-rap?       G F P C       Est. % failed       % N/A (X)         4.       Overall condition of channel?       G Ø P C       Est. % failed       % N/A (X)         4.       Overall condition of channel?       G Ø P C       Est. % failed       % N/A (X)         4.       Overall condition of channel?       G Ø P C       Est. % failed       % N/A (X)         6.       Underwater diver inspection recommended?       YES() NO (X)       Moderate bank stability conditions:       (check if applicable)         1.       Steep bank conditions:       - Failures upstream       M       E. dead trees downstream       M         2.       Moderate bank erosion       (X)       b. large timber       M       c. clear banks ()         3.       Bank vegetation:       a. low growth       (X)       b. large timber       M       c. clear banks ()         4.       Sediment or gravel accumulation:       YES () NO (X) UNKNOWN ()       S       Stable conditions::		
STREAM CHANNEL DATA AND CONDITIONS         Stream Crossing: BRANCH         1. 1. Type of bed material?           2. Has channel shifted?       YES () NO (X) NOT APPARENT ()         3. Condition of rip-rap?       G F P C         Extern 61 - Code values 0 thru 9 according to the recording and coding guide currently in effect:          6. Underwater diver inspection recommended?       YES () NO (X)         11. Channel and bank stability conditions:       (check if applicable)         1. Steep bank conditions: - Failures upstream          7. Moderate bank erosion          8. Bank vegetation:       a. low growth         9. Bank vegetation:       a. low growth         9. Channel altered or straightened:       YES () NO (X) UNKNOWN ()         10. Channel altered or straightened:       YES () NO (X) UNKNOWN ()         11. Steep bank conditions:       a. live growth         12. Moderate bank erosion          13. Bank vegetation:       a. low growth         14. Sediment or gravel accumulation:       YES () NO (X) UNKNOWN ()         15. Channel altered or straightened:       YES () NO (X) UNKNOWN ()         16. Stable conditions:       a. live growth         17. c. roadway approach roadway.       ()         18. higher than approach roa		
Stream Crossing:       BRANCH         1. 1. Type of bed material?       C/ay st/t, sand         2. Has channel shifted?       YES() NO(X) NOT APPARENT()         3. Condition of rip-rap?       G F P C         5. Item 61 - Code values 0 thru 9 according to the recording and coding guide currently in effect:	51-100	
1.       Type of bed material? Clay sllt, sand         2.       Has channel shifted? YES() NO(Ø) NOT APPARENT()         3.       Condition of rip-rap?       G F P C         4.       Overall condition of channel? G Ø P C         5.       Item 61 - Code values 0 thru 9 according to the recording and coding guide currently in effect:		
<ul> <li>2. Has channel shifted? YES() NO (X) NOT APPARENT ()</li> <li>3. Condition of rip-rap? G F P C Est. % failed <u>%</u> N/A (X)</li> <li>4. Overall condition of channel? G (B P C</li> <li>5. Item 61 - Code values 0 thru 9 according to the recording and coding guide currently in effect: <u>6</u></li> <li>6. Underwater diver inspection recommended? YES () NO (X) If yes, why?</li> <li>11. Channel and bank stability conditions: (check if applicable)</li> <li>1. Steep bank conditions: - Failures upstream (X) Failures downstream (X)</li> <li>2. Moderate bank erosion (X)</li> <li>3. Bank vegetation: a. low growth (X) b. large timber (X) c. clear banks ()</li> <li>d. dead trees upstream (X) e. dead trees downstream ()</li> <li>4. Sediment or gravel accumulation: YES () NO (X) UNKNOWN ()</li> <li>5. Channel altered or straightened: YES () NO (X) UNKNOWN ()</li> <li>6. Stable conditions: a. live growth (X) b. bedrock ()</li> <li>c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>111. Waterway adequacy and debris characteristics: (check if applicable)</li> <li>1. Bridge deck elevations:         <ul> <li>a. level with approach roadway.</li> <li>b. higher than approach roadway.</li> <li>c. roadway approach &gt;= 2 ft. above natural ground line.</li> <li>(X)</li> <li>Abutment encroaches into channel.</li> <li>(X)</li> <li>4. Large scour (blowhole) under bridge.</li> <li>NO (X) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN ()</li> <li>5. Debris characteristics:         <ul> <li>a. debris/drift present</li> <li>YES () NO (X)</li> </ul> </li> </ul></li></ul>	•	
3. Condition of rip-rap?       G F P C       Est. % failed% N/A M)         4. Overall condition of channel?       G P C         5. Item 61 - Code values 0 thru 9 according to the recording and coding guide currently in effect:		
<ul> <li>4. Overall condition of channel? G (P C</li> <li>5. Item 61 - Code values 0 thru 9 according to the recording and coding guide currently in effect:</li> <li>6. Underwater diver inspection recommended? YES () NO (X) If yes, why?</li> <li>11. Channel and bank stability conditions: (check if applicable)</li> <li>1. Steep bank conditions: - Failures upstream (X) Failures downstream (X)</li> <li>2. Moderate bank erosion (X)</li> <li>3. Bank vegetation: a. low growth (X) b. large timber (X) c. clear banks () d. dead trees upstream (X) e. dead trees downstream ()</li> <li>4. Sediment or gravel accumulation: YES () NO (X) UNKNOWN ()</li> <li>5. Channel altered or straightened: YES () NO (X) UNKNOWN ()</li> <li>6. Stable conditions: a. live growth (X) b. bedrock ()</li> <li>c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>11. Waterway adequacy and debris characteristics: (check if applicable)</li> <li>1. Bridge deck elevations:</li> <li>a. level with approach roadway.</li> <li>b. higher than approach roadway.</li> <li>c. roadway approach &gt;= 2 ft. above natural ground line.</li> <li>(X)</li> <li>2. Abutment encroaches into channel.</li> <li>(X)</li> <li>4. Indications that flood waters overtop bridge:</li> <li>NO (M) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN ()</li> <li>5. Debris characteristics:</li> <li>a. debris/drift present YES () NO (X)</li> <li>b. debris/drift present YES () NO (X)</li> </ul>		, , , , , , , , , , , , , , , , , , ,
<ul> <li>5. Item 61 - Code values 0 thru 9 according to the recording and coding guide currently in effect:</li> <li>6. Underwater diver inspection recommended? YES () NO (X) If yes, why?</li> <li>11. Channel and bank stability conditions: (check if applicable)</li> <li>1. Steep bank conditions: - Failures upstream (X) Failures downstream (X)</li> <li>2. Moderate bank erosion (X)</li> <li>3. Bank vegetation: a. low growth (X) b. large timber (X) c. clear banks () d. dead trees upstream (X) e. dead trees downstream ()</li> <li>4. Sediment or gravel accumulation: YES () NO (X) UNKNOWN ()</li> <li>5. Channel altered or straightened: YES () NO (X) UNKNOWN ()</li> <li>6. Stable conditions: a. live growth (X) b. bedrock ()</li> <li>c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>111. Waterway adequacy and debris characteristics: (check if applicable)</li> <li>1. Bridge deck elevations:</li> <li>a. level with approach roadway</li></ul>	-	
and coding guide currently in effect: 6. Underwater diver inspection recommended? YES() NO (X) If yes, why? II. Channel and bank stability conditions: (check if applicable) 1. Steep bank conditions: - Failures upstream (X) Failures downstream (X) 2. Moderate bank erosion (X) 3. Bank vegetation: a. low growth (X) b. large timber (X) c. clear banks () d. dead trees upstream (X) e. dead trees downstream () 4. Sediment or gravel accumulation: YES() NO (X) UNKNOWN () 5. Channel altered or straightened: YES() NO (X) UNKNOWN () 6. Stable conditions: a. live growth (X) b. bedrock () c. boulders () d. flat slopes (<=2:1) () III. Waterway adequacy and debris characteristics: (check if applicable) 1. Bridge deck elevations: a. level with approach roadway		
If yes, why?         II. Channel and bank stability conditions: (check if applicable)         1. Steep bank conditions: Failures upstream         2. Moderate bank erosion         3. Bank vegetation: a. low growth         4. Sediment or gravel accumulation: YES ( ) NO (𝔅) UNKNOWN ( )         5. Channel altered or straightened: YES ( ) NO (𝔅) UNKNOWN ( )         6. Stable conditions: a. live growth         (𝔅)       b. bedrock ( )         c. boulders ( )       c. flat slopes (<=2:1) ( )		and coding guide currently in effect:
<ol> <li>Steep bank conditions: - Failures upstream A Failures downstream A</li> <li>Moderate bank erosion (x)</li> <li>Bank vegetation: a. low growth (x) b. large timber (x) c. clear banks () d. dead trees upstream (x) e. dead trees downstream ()</li> <li>Sediment or gravel accumulation: YES () NO (x) UNKNOWN ()</li> <li>Channel altered or straightened: YES () NO (x) UNKNOWN ()</li> <li>Stable conditions: a. live growth (x) b. bedrock () c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>Waterway adequacy and debris characteristics: (check if applicable)</li> <li>Bridge deck elevations: a. level with approach roadway.</li> <li>b. higher than approach roadway.</li> <li>c. roadway approach &gt;= 2 ft. above natural ground line.</li> <li>Abutment encroaches into channel.</li> <li>Large scour (blowhole) under bridge.</li> <li>NO (x) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN ()</li> <li>Debris characteristics: a. debris/drift present YES () NO (x) b. debris/drift likely to accumulate YES () NO (x) c. dead trees upstream (x) dead trees downstream ()</li> </ol>	6.	
<ol> <li>Steep bank conditions: - Pailures upstream y/ Function domination (%)</li> <li>Moderate bank erosion (%)</li> <li>Bank vegetation: a. low growth (%) b. large timber (%) c. clear banks () d. dead trees upstream (%) e. dead trees downstream ())</li> <li>Sediment or gravel accumulation: YES () NO (%) UNKNOWN ()</li> <li>Channel altered or straightened: YES () NO (%) UNKNOWN ()</li> <li>Stable conditions: a. live growth (%) b. bedrock () c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>Waterway adequacy and debris characteristics: (check if applicable)</li> <li>Bridge deck elevations: a. level with approach roadway</li></ol>		$\mathbf{N} = \mathbf{U}$ (M)
<ul> <li>3. Bank vegetation: a. low growth (x) b. large timber (x) c. clear banks () d. dead trees upstream (x) e. dead trees downstream ()</li> <li>4. Sediment or gravel accumulation: YES () NO (x) UNKNOWN ()</li> <li>5. Channel altered or straightened: YES () NO (x) UNKNOWN ()</li> <li>6. Stable conditions: a. live growth (x) b. bedrock ()</li> <li>6. Stable conditions: a. live growth (x) b. bedrock ()</li> <li>7. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>III. Waterway adequacy and debris characteristics: (check if applicable)</li> <li>1. Bridge deck elevations:</li> <li>a. level with approach roadway.</li> <li>b. higher than approach roadway.</li> <li>c. roadway approach &gt;= 2 ft. above natural ground line.</li> <li>()</li> <li>2. Abutment encroaches into channel.</li> <li>()</li> <li>3. Large scour (blowhole) under bridge.</li> <li>NO (x) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN ()</li> <li>5. Debris characteristics:</li> <li>a. debris/drift present YES () NO (x)</li> <li>b. debris/drift likely to accumulate YES () NO (x)</li> <li>c. dead trees upstream (x) dead trees downstream ()</li> </ul>	1.	Steep bank conditions: - Failures upstream (X) Failures downstream W
<ul> <li>d. dead trees upstream (X) e. dead trees downstream ()</li> <li>4. Sediment or gravel accumulation: YES () NO (X) UNKNOWN ()</li> <li>5. Channel altered or straightened: YES () NO (X) UNKNOWN ()</li> <li>6. Stable conditions: a. live growth (X) b. bedrock ()</li> <li>c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>III. Waterway adequacy and debris characteristics: (check if applicable)</li> <li>1. Bridge deck elevations: <ul> <li>a. level with approach roadway.</li> <li>b. higher than approach roadway.</li> <li>c. roadway approach &gt;= 2 ft. above natural ground line.</li> <li>(X)</li> </ul> </li> <li>2. Abutment encroaches into channel.</li> <li>()</li> <li>3. Large scour (blowhole) under bridge.</li> <li>NO (X) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN ()</li> <li>5. Debris characteristics: <ul> <li>a. debris/drift present</li> <li>YES () NO (X)</li> <li>b. debris/drift likely to accumulate YES () NO (X)</li> </ul> </li> </ul>	2.	
<ul> <li>4. Sediment or gravel accumulation: YES () NO (X) UNKNOWN ()</li> <li>5. Channel altered or straightened: YES () NO (X) UNKNOWN ()</li> <li>6. Stable conditions: a. live growth (X) b. bedrock ()</li> <li>c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>III. Waterway adequacy and debris characteristics: (check if applicable)</li> <li>1. Bridge deck elevations: <ul> <li>a. level with approach roadway.</li> <li>b. higher than approach roadway.</li> <li>c. roadway approach &gt;= 2 ft. above natural ground line.</li> <li>(X)</li> </ul> </li> <li>2. Abutment encroaches into channel.</li> <li>()</li> <li>3. Large scour (blowhole) under bridge.</li> <li>NO (X) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN ()</li> <li>5. Debris characteristics: <ul> <li>a. debris/drift present</li> <li>YES () NO (X)</li> <li>b. debris/drift likely to accumulate YES (X) NO (')</li> <li>c. dead trees upstream (X)</li> <li>dead trees downstream ()</li> </ul> </li> </ul>	3.	
<ul> <li>5. Channel altered or straightened: YES() NO () UNKNOWN()</li> <li>6. Stable conditions: a. live growth () b. bedrock () c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>III. Waterway adequacy and debris characteristics: (check if applicable)</li> <li>1. Bridge deck elevations: <ul> <li>a. level with approach roadway</li></ul></li></ul>		a dead liees upsilearing y
<ul> <li>6. Stable conditions: a. live growth (X) b. bedrock () c. boulders () d. flat slopes (&lt;=2:1) ()</li> <li>III. Waterway adequacy and debris characteristics: (check if applicable)</li> <li>1. Bridge deck elevations: <ul> <li>a. level with approach roadway</li></ul></li></ul>		
c. boulders       ()       d. flat slopes (<=2:1) ()	_	
<ol> <li>Bridge deck elevations:         <ul> <li>a. level with approach roadway.</li> <li>b. higher than approach roadway.</li> <li>c. roadway approach &gt;= 2 ft. above natural ground line.</li> <li>()</li> <li>c. roadway approach &gt;= 2 ft. above natural ground line.</li> <li>()</li> </ul> </li> <li>Abutment encroaches into channel.</li> <li>()</li> <li>Large scour (blowhole) under bridge.</li> <li>()</li> <li>Indications that flood waters overtop bridge:</li></ol>	6.	
<ul> <li>a. level with approach roadway</li></ul>	III. Wa	aterway adequacy and debris characteristics: (check if applicable)
<ul> <li>b. higher than approach roadway</li></ul>	· 1.	Bridge deck elevations:
<ul> <li>c. roadway approach &gt;= 2 ft. above natural ground line. (X)</li> <li>2. Abutment encroaches into channel</li></ul>		
<ol> <li>Abutment encroaches into channel</li></ol>		
<ol> <li>Large scour (blowhole) under bridge</li></ol>	C	
<ul> <li>4. Indications that flood waters overtop bridge: NO (x) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN ()</li> <li>5. Debris characteristics: <ul> <li>a. debris/drift present</li> <li>b. debris/drift present</li> <li>c. dead trees upstream</li> <li>(x) dead trees downstream</li> <li>()</li> </ul> </li> </ul>		
NO (x) YES () OCCASIONALLY () FREQUENTLY () UNKNOWN () 5. Debris characteristics: a. debris/drift present b. debris/drift likely to accumulate c. dead trees upstream (x) dead trees downstream ()		
<ul> <li>5. Debris characteristics:</li> <li>a. debris/drift present YES ( ) NO (X)</li> <li>b. debris/drift likely to accumulate YES (X) NO ( )</li> <li>c. dead trees upstream (X) dead trees downstream ( )</li> </ul>		
b. debris/drift likely to accumulate YES 💓 NO ( ) c. dead trees upstream (X) dead trees downstream ( )	5.	
b. debris/drift likely to accumulate YES 🏹 NO ( ) c. dead trees upstream (X) dead trees downstream ( )		a. debris/drift present YES ( ) NO 🕅
IV. Comments:		<b>yy</b>
	IV. Co	mments:
	SPECI	AL INSPECTION DATA - FOR REASONS OTHER THAN FC OR SCOUR

I. Does this bridge need a special inspection? YES ( ) NO ( $\times$ 

ı.

II. Reason for special inspection:

PRODUCED PURSUANT TO

### Inspection Team's Summary Bridge Location No. 57 - SR223 - 02.28 Inspection Date \_\_\_\_\_\_\_\_\_\_ Bridge Rating \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_FAIR\_\_\_\_\_\_\_

THIS IS A 1 SPAN P.C.C.S. BRIDGE <u>SUBSTRUCTURE IS TIMBER</u> <u>SAFETY FEATURES ARE METAL APPROACH RAILS, METAL BRIDGE</u> <u>RAILS & 40 TON WEIGHT LIMIT SIGNS</u> <u>ASPHALT APPROACHES HAVE A/C PATCH & FINE CRACKS</u> <u>ASPHALT WEARING SURFACE HAS FINE CRACKS</u> <u>P.C.C.S. HAVE SPALLING & HAIRLINE CRACKS</u> TIMBER SUBSTRUCTURE HAS LIGHT TO MEDIUM WEATHERING

#### NO ISSUES WITH SCOUR

### ITEMS 59 & 60 CHANGED FROM 4 TO 6 DUE TO REPAIRS

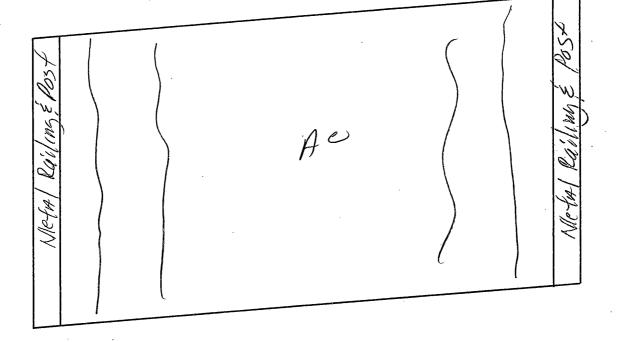
SHAYNE HAYES

#### INSPECTOR

CROSS SECTION: YES () NO (X)

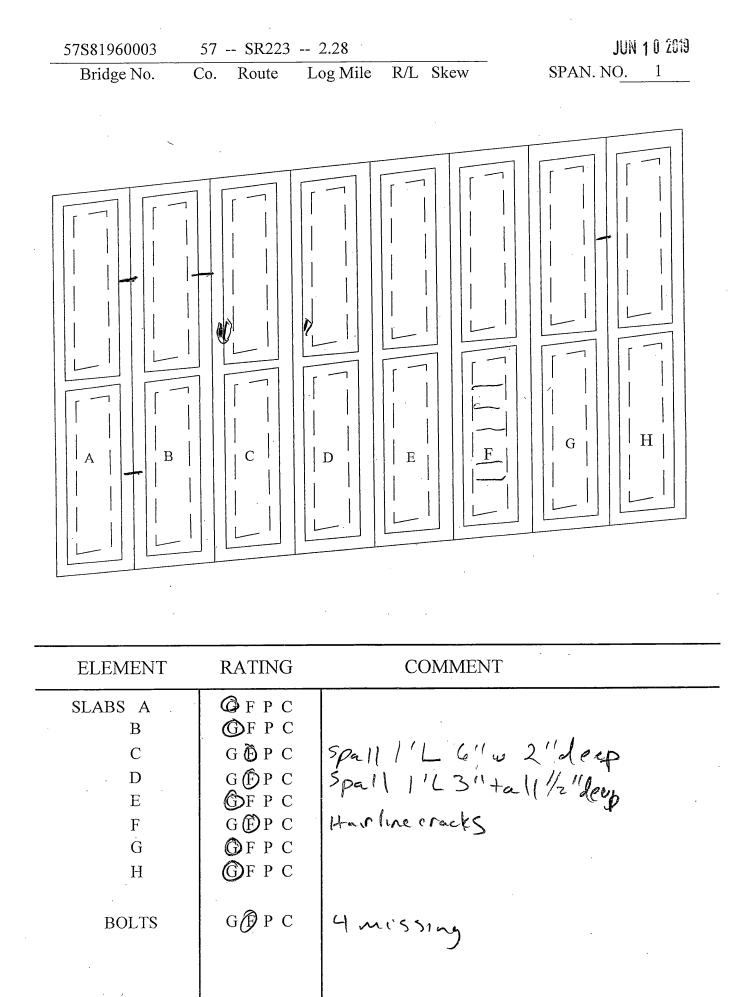
BRM: YES (X) NO ()

57S81960003	57 SR223 2.28	RT	
Bridge No.	Co. Route Log Mile	R/L Skew	SPAN. NO!UN 1 0 2019



ELEMENT	RATING	COMMEN	Ţ
TOP DECK	G P C	Fine chacks	``
CURBS	GFPC		•
DRAINS	G F P C		
JOINTS	GFPC	NA	
	GFPC		
			PRODUCED PURSUANT TO PUBLIC RECORDS REQUEST This document is covered by 23 USC §409 And its production pursuant to a public Documen

records request does not Waive the provisions of §409



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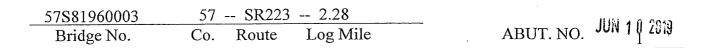
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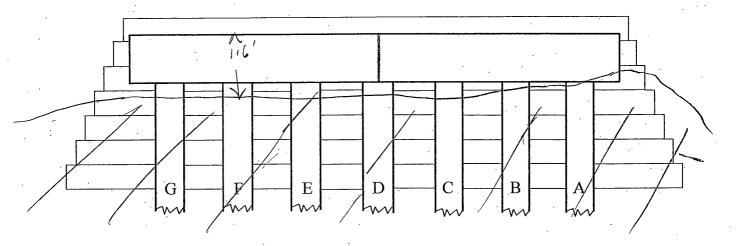
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JUN 1 0 2019

Rev. 08/03/00

			•		Date:		
1	DGE NUMBER: <u>SSING:</u> <u>BRAN</u> G		<u>57</u> <u>SR223</u>	<u>0228</u>	Pg. # c	of	
DATE	E 8 3 17 LAST EXPOSURE	ABUT/BENT/ PIER NUMBER	TOTAL HEIGHT TOP OF CAP TO (OR GROUND LINE/ DATE FOR PILES	(t) FOOTING THICKNESS	W/FTG @ H= Top of cap to Top of footing	EXPOSURE	
-	2.0	Abut 1				116	
						· · · · · · · · · · · · · · · · · · ·	
	2.1	Abut 2	· · ·		· · · · ·	2.2'	
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		TOP OF CAP TO	D TOP OF WATER:	RIP-R/	AP: YES: ( ) NO:	×	
•		100.00' UPSTR	EAM:	@ ABUTMENTS:			
· .		THRUSTRUCT	URE:	-	NTS/PIERS:	7	
	100.00' DOWNSTREAM:						
COMM	IENTS:	~		•• <b>T</b> F			
			<u>·</u>			· ·	





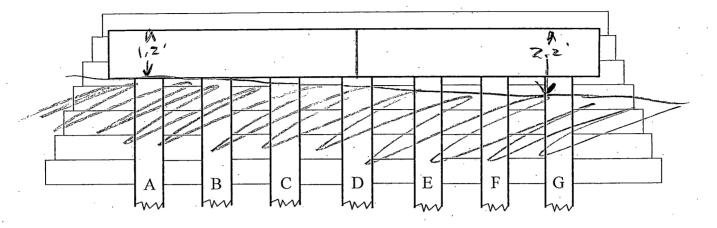
LOOKING BACK

	·		
	ELEMENT	RATING	COMMENT
	CAP	GÊP C	Light 10 modium monthing
	WINGS	G(F)P C	
	PILES A	G∤F P C	
	В	GFPC	
•	С	G F P C	
• .	D	GFPC	
	E 🐳	GFPC	
	F	GFPC	
· .	G	G F∕P C	
	BREASTWALL	G(F) P C	
·	EMB.	<b>G</b> F P C	
:	VEG.	G (F) P C	Light growth
. *	RIP - RAP	GFPC	N/A
		GFPC	
		GFPC	PRODUCED PURSUANT TO PUBLIC RECORDS REQUEST
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57S81960003 Bridge No.

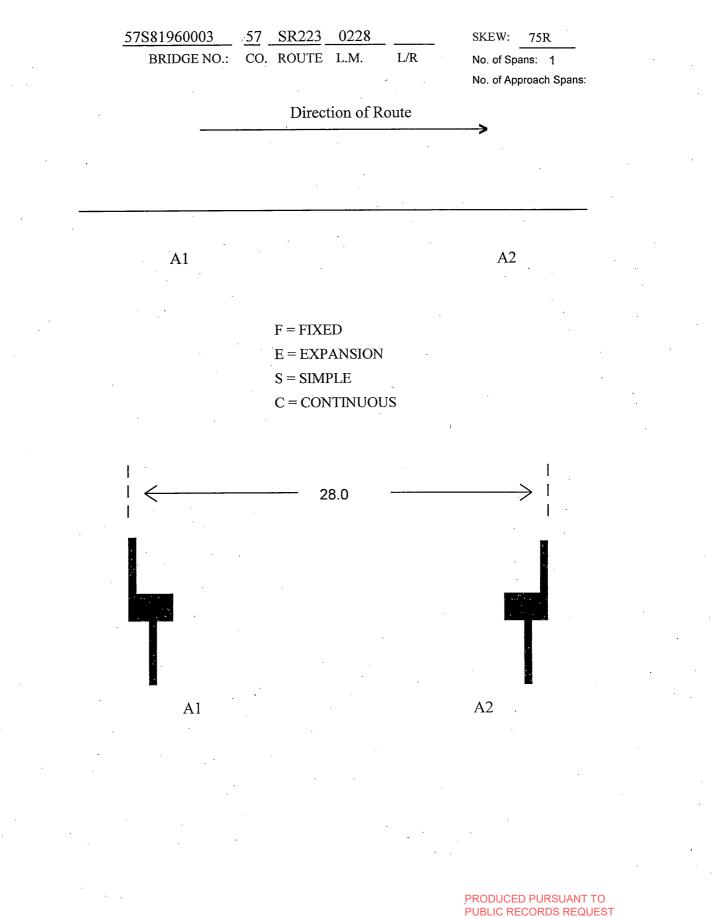
57 -- SR223 -- 2.28 Co. Route Log Mile Co.

ABUT. NO.



LOOKING AHEAD

	·		
	ELEMENT	RATING	COMMENT
	САР	G 🖗 P C	light weathering
;	WINGS	GFPC	
	PILES A	GFPC	$\mathbb{N}^{\mathbb{N}}$
	В	GFPC	NJ
	С	G P C	light weathering
	D	GPC	
	E	GPC	
	F	GFPC	
	G	G E P C	
	BREASTWALL	G P C	
	EMB.	GFPC	
	VEG.	G F P C	
	RIP - RAP	GFPC	NIA
		GFPC	
		GFPC	PRODUCED PURSUANT TO PUBLIC RECORDS REQUEST
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JUN 10 2013

## Structure Inventory and Appraisal Sheet (English Units)

ſ	ELEMEN	IT CONDIT	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	
() V	0	12/3	Re Concrete Deck	sq.ft	484.00	91%	440.00	0%	0.00	9%	44.00	0%	0.00	
	0	510/3	Wearing Surfaces	sq.ft	440.00	100%	440.00	0%	0.00	0%	0.00	0%	0.00	
		1090/3	Exposed Rebar	sq.ft		0%	0.00		0.00	100%_	44.00	0%	0.00	and the second sec
e v	. 8/4	10743	Steel Opn Girder/Beam	ft	154.00		146.00	0%	0.00	A 5%	8.00	0%	0.00	
1	VI Ø	51513	Steel Protective Coating	sq.ft	154.00	95%	146.00	0%****	0.00	5%	8.00	0%	0.00	
V	110/1	3420/3	Peel/Bub/Crack(Stl Protect Coat)	sq.ft	8.00	0%	0.00	0%	0.00	100%	8.00	10.000	0.00	and Party
$-\Lambda_{4}$	1000	1000/3	Corrosion	ft 🎜	8.00	-0%	₽0.00	\$0%	*0.00 · s	100%	8.00	058	0.00	
	0	216/3	Timber Abutment	ft	50.00	90%	45.00	0%	0.00	10%	5.00	0%	0.00	
X		1140/3	Decay/Section Lose	ft	5.00	0%	0.00				<u>haran 6</u> ;00∞z≂		0:00	

() 3220

60

2

6/10/19

224' PCCS slabs 116 1080 5' 1130