APPENDIX B

Programmatic Section 4(f) Evaluation For Little Boulder River Bridge

and

MDT Bridge Inspection Report

MONTANA DIVISION

"NATIONWIDE" PROGRAMMATIC SECTION 4(f) EVALUATION FOR HISTORIC BRIDGES

Project #<u>STP 69-1(9)22</u>, (P.M.S. C#<u>2019</u>) Project Name: <u>Boulder-South</u> Location: <u>Jefferson County</u> Date: January 20, 2011

This proposed project requires use of a historic bridge structure that is on, or eligible for listing on the NATIONAL REGISTER OF HISTORIC PLACES. A description and location map/"Translite" of this proposed bridge replacement project is attached.

<u>NOTE</u>: Any response in a box will require additional information, and may result in an individual evaluation/statement. Consult the "Nationwide" Section 4(f) Evaluation procedures.

<u>1E3</u>	
Ē	<u>_X</u>
5	
<u>_X</u>	\Box
<u>_X</u>	\Box
<u>_X</u>	
	<u>_X</u>
X [_] [X] [X] [X] [X] [X] [X] [X] [X]	

ALTERNATIVES & FINDINGS

EACH of the following **ALTERNATIVES** for this proposed project have been evaluated to avoid the use of the historic bridge:

- 1. "Do Nothing."
- 2. Rehabilitate the existing bridge without affecting the historic integrity of the structure in accordance with the provisions of *Section 106* in the *NHPA*.
- 3. Construct the proposed bridge at a location where the existing historic structure's integrity will not be affected as determined by the provisions of the *NHPA*.

The above **ALTERNATIVES** have been applied in accordance with this <u>PROGRAMMATIC SECTION 4(f)</u> <u>EVALUATION</u> and are supported by **EACH** of the following **FINDINGS**:

		YES	NO
1.	The "Do Nothing" ALTERNATIVE has been evaluated and has been found to ignore the basic transportation need at this location.	<u> </u>	
	This ALTERNATIVE is neither feasible nor prudent for the following reasons:		
	a) Maintenance — this ALTERNATIVE does not correct the structurally deficient condition and/or poor geometrics (clearances, approaches, visibility restrictions) found at the existing bridge. Any of these factors can lead to a sudden catastrophic collapse, and/or a potential injury including loss of life. Normal maintenance will not change this situation.	<u>_X</u> _	
	b) Safety — this ALTERNATIVE also does not correct the situation which causes the existing bridge to be considered deficient. Because of these deficiencies, the existing bridge presents serious and unacceptable safety hazards to the travelling public and/or places intolerable restrictions (gross vehicle weight, height, and/or width) on transport.	<u>_X</u> _	
	A copy of the MDT Bridge Bureau's Inspection Report is attached.	<u> X </u>	\Box
2.	The rehabilitation ALTERNATIVE has been evaluated with one or more of the following FINDINGS :		
	a) The existing bridge's structural deficiency is such that it cannot be rehabilitated to meet minimum acceptable load and traffic requirements without adversely affecting the structure's historic integrity.	<u>_X</u>	
	b) The existing bridge's geometrics (height, width) cannot be changed without adversely affecting the structure's historic integrity.	<u>_X</u>	

ALTERNATIVES & FINDINGS (#2 - conclusion:)

			YES	NO
	c)	This ALTERNATIVE does not correct the serious restrictions on visibility (approach geometrics, structural requirements) which also contributes to an unsafe condition at this location.		
	ls t or j	his rehabilitation ALTERNATIVE therefore considered to be feasible and/ prudent based on the preceding evaluations?	\Box	<u>_X</u>
3.	The a s bee	e relocation ALTERNATIVE , in which the new bridge has been moved to ite that presents no adverse effect upon the existing structure has also en considered under the following FINDINGS :		
	a)	Terrain and/or local geology. The present structure is located at the only feasible and/or prudent site for a bridge on the existing route. Relocating to a new site — either up-, or downstream of the preferred location — will result in extraordinary bridge/approach engineering and associated construction costs.	<u>_X_</u>	
		The preferred site is the <u>only</u> prudent location due to the terrain and/or geologic conditions in the general vicinity.	<u>_X</u>	
		Any other location would cause extraordinary disruption to existing traffic patterns.	<u>_X</u>	
	b)	Significant social, economic and/or environmental impacts. Locating the proposed bridge in other than the preferred site would result in significant social/economic impacts such as the displacement of families, businesses, or severing of prime/unique farmlands.	<u>_X_</u>	
		Significant environmental impacts such as the extraordinary involvement in wetlands, regulated floodplains, or habitat of threatened/endangered species are likely to occur in any location outside the preferred site.	<u>_X</u>	
	c)	Engineering and economics. Where difficulty/ies associated with a new location are less extreme than those listed above, the site may still not be feasible and prudent where costs and/or engineering difficulties reach extraordinary magnitudes. Does the ALTERNATE location result in significantly increased engineering or construction costs (such as a longer span, longer approaches, etc.)?	<u>_X_</u>	
	d)	Preservation of existing historic bridge may not be possible due to either or both of the following:		
		the existing structure has deteriorated beyond all reasonable possibility of rehabilitation for a transportation or alternative use;		
		no responsible party can be located to maintain and preserve the historic structure.	<u>_X</u>	

	YES	NO
Therefore, in accordance with the previously-listed FINDINGS it is neither feasible nor prudent to locate the proposed bridge at a site other than the preferred ALTERNATE as described.	<u>_X</u> _	\Box

MEASURES TO MINIMIZE HARM

This "Nationwide" <u>Programmatic</u> Section 4(f) Statement applies <u>only</u> when the following **Measures to Minimize Harm** have been assured; a check in a box <u>MAY</u> void the <u>Programmatic</u> application — if so, a full Section 4(f) Evaluation **will be required**:

		YES	NO
1.	Is the bridge being rehabilitated under this proposed project?		<u>X</u>
	If "YES", is the historic integrity of the structure being preserved to the greatest extent possible; consistent with unavoidable transportation needs, safety, and load requirements?		
	<u>NOTE</u> : If "NO", refer to item 2., following, to determine <u>Programmatic</u> applicability.		
2.	The bridge is being replaced, or rehabilitated to the point where historic in- tegrity is affected. Are adequate records being made of the existing struc- ture under HISTORIC AMERICAN ENGINEERING RECORD standards, or other suitable means developed through consultation with SHPO and the ACHP?	_ <u>X_</u>	
3.	If the bridge is being replaced, is the existing structure being made available for alternative use with a responsible party to maintain and preserve same?	<u>X</u>	\Box
4.	If the bridge is being adversely affected, has agreement been reached through the <i>Section 106</i> process of the <i>National Historic Preservation Act</i> on these Measures to Minimize Harm (which will be incorporated into the proposed project) with the following:		
	SHPO (Date: <u>12/18/2006)</u>	<u>X</u>	
	ACHP (Date: 02/01/2007)	<u>X</u>	\Box
	FHWA (Date: <u>12/16/2006)</u>	X	\Box
	A copy of the Amendment to Programmatic Agreement signed/approved by these agencies is attached.	<u>_X</u>	

COORDINATION

There has been additional **COORDINATION** with the following agencies regarding this proposed project (other than those listed previously):

City/County government: Jefferson County and City of Boulder Local historical society: NA Adjacent property owners: Others:

Copies of letters from these agencies regarding this proposed project are attached. This proposed project is also documented as an <u>Environmental Assessment</u> under the requirements of the *National Environmental Policy Act* (42 U.S.C. 4321, *et seq.*).

<u>SUMMARY & APPROVAL</u> - The proposed action meets all criteria regarding the required ALTERNATIVES, FINDINGS, and Measures to Minimize Harm which will be incorporated into this proposed project. This proposed project therefore complies with the July 5, 1983 <u>Programmatic Section 4(f) Evaluation</u> by the U.S. DEPARTMENT OF TRANSPORTATION'S Federal Highway Administration. This document is submitted pursuant to 49 U.S.C. 303 and in accordance with the provisions of 16 U.S.C. 470f.

Heidy Bruner, P.E. Engineering Section Supervisor Environmental Services

Approved:

Federal Highway Administration

Date:

Date:

MDT attempts to provide accommodation for any known disability that may interfere with a person participating in any service, program or activity of the Department. Alternative accessible formats of this information will be provided upon request. For further information, call 406.444.7228 or TTY (800.335.7592) or Montana Relay at 711.

HB:BCB

Attachments

cc: Jeff Ebert, P.E. - Butte District Administrator Paul Ferry, P.E. - Highway Engineer Kent Barnes, P.E. - Bridge Engineer Robert Stapley, Right-of-Way Bureau Chief David W. Jensen, Supervisor - Fiscal Programming Section File - Environmental Services



N Feature not hwy or RR

N Feature not hwy or RR

0.00 m

0.00 m

0.00 m

P00069034+02501

Location : 3M SE BOULDER Structure Name: none

General Location Data

District Code, Number, Location : 02 Dist 2 BUTTE	Division Code, Location :21 BUTTE
County Code, Location: 043 JEFFERSON	City Code, Location :00000 RURAL AREA
Kind fo Hwy Code, Description : 3 3 State Hwy	Signed Route Number : 00069
Str Owner Code, Description : 1 State Highway Agency	Maintained by Code, Description :1 State Highway Agen
Intersecting Feature : LITTLE BOULDER RIVER	Kilometer Post, Mile Post : 55.12 km 34.25
Structure on the State Highway System : X Latitude : 46°11'59	" Construction Data
Structure on the National Highway System : Longitude : 112°05'18 Str Meet or Exceed NBIS Bridge Length : X	Construction Project Number : 9A(1) Construction Station Number : 178+80.00
Traffic Data	Construction Drawing Number : 2135
	Construction Year : 1940
Current ADT : 1,720 ADT Count Year : 2009 Percent 1	Trucks : 2%

Reconstruction Year :

Structure Loading, Rating and Posting Data

Design Loading :		2 M 13.5 (H 15)	Rating Data :	Operating	Inventory	Posting
Inventory Load, Design :	32.7 mton	2 AS Allowable Stress	Truck 1 Type 3 :	41.01	29.81	
Operating Load, Design :	44.9 mton	2 AS Allowable Stress	Truck 2 Type 3-S3 :	64.77	47.08	
Posting :		5 At/Above Legal Loads	Truck 3 Type 3-3 :	79.68	57.92	

Structure, Roadway and Clearance Data

Structure Deck, Roadway and Span Data :

 Structure Length :
 17.98 m

 Deck Area :
 142.00 m sq

 Deck Roadway Width :
 7.41 m

 Approach Roadway Width :
 7.32 m

 Median Code, Description :
 0 No median

Span Data

......

Main Span

Number Spans : 3

Deck Protection Type : **0 None** Deck Membrain Type : **0 None**

Material Type Code, Description : 7 Wood or Timber Span Design Code, Description : 2 Stringer/Multi-beam or Girder Deck Deck Structure Type : 8 Wood or Timber Deck Surfacing Type : 6 Bituminous

Structure Vertical and Horizontal Clearance Data : Vertical Clearance Over the Structure : 99.99 m

Reference Feature for Vertical Clearance : Vertical Clearance Under the Structure : Reference Feature for Lateral Underclearance : Minimum Lateral Under Clearance Right : Minimum Lateral Under Clearance Left :

Approach Span

Number of Spans : 0 Material Type Code, Description : Span Design Code, Description :

(52) Out-to-Out Width :	7.92 m
(50A) Curb Width :	(50B) Curb Width :
0.30 m	0.30 m
Skew Ang	le : 30°

Structure Vertical and Horizontal Clearance Data Inventory Route :

Over / Under Direction	Inventory	South, We	est or Bi-direction	al Travel	North or East Travel			
Name	Route	Direction	Vertical	Horizontal	Direction	Vertical	Horizontal	
Route On Structure	P00069	Both	99.99 m	7.41 m	N/A			



P00069034+02501

Continue

Inspection Data

Inspection Due Date : 02 February 2011

(91) Inspection Fequency (months): 24

Sufficiency Rating : 62 Health Index : 99.08 Structure Status :Not Deficient

NBI Inspection Data





P00069034+02501

Continue

Element Inspection Data

Smart Elan	cription									
	Scale Factor	Env	Quantity	Units	Insp Each	Pct Stat 1	Pct Stat 2	Pct Stat 3	Pct Stat 4	Pct Stat 5
Element 32 -	Timber Deck/A	C Ovly	quantity	Unite	Inop Loon					
	1	2	142	sa.m.	X	0	100	0		0
(09.00) SS						%	%	%	0	/0 %
Draviaua Ina	naction Notos :					,,,				1
	pection Notes .	(47.00	V 7 00 - 440	1001				the set of solar data at		DV17
02/02/2009 -	pot noies formi	ng. (17.98	5 X 7.92 = 142.4	402)						17 114
12/10/2007 -	same	Had								D7K7
12/10/2004 -	oracked and ru	tted								LIVEZ
05/30/2000 -	None	liteu								UEIN
03/13/1998 -	None									TBAT
01/01/1996 -	None									YDNF
02/01/1994 -	None									REFI
Increation	Viotoc:			Carriers	No. of Lot of Lot of					
Inspection	voles.									
Element 111	- Timber Open	Girder								
	1	2	243	3 m.		100	0	()	0
12 24 2 22			1.5 Marchine Tall	1-1-2-2-1-2		%	%	%		%
Previous Ins	nection Notes :									
Previous Ins	pection Notes :			Contraction of	and the second	Charles and the Party of the Party	Carl Strategy	A DECEMBER OF	and second state	DXJZ
Previous Ins 02/02/2009 - 01/08/2007 -	pection Notes : - None - minor checking						A Stand			DXJZ JZJW
Previous Ins 02/02/2009 01/08/2007 12/10/2004	pection Notes : - None - minor checking - some solitting] and check	ina							DXJZ JZJW DZKZ
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002	pection Notes : - None - minor checking - some splitting - None) and check	ing							DXJZ JZJW DZKZ UVBZ
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000	pection Notes : - None - minor checking - some splitting - None - None	and check	ing							DXJZ JZJW DZKZ UVBZ UFJN
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998	pection Notes : - None - minor checking - some splitting - None - None - None	g and check	ing							DXJZ JZJW DZKZ UVBZ UFJN TBAT
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996	pection Notes : - None - minor checking - some splitting - None - None - None - None	g and check	ing							DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994	pection Notes : - None - minor checking - some splitting - None - None - None - None - None - None	g and check	ing							DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection	pection Notes : - None - minor checking - some splitting - None - None - None - None - None None None None	g and check	ing							DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection	pection Notes : - None - minor checking - some splitting - None - None - None - None - None None Notes:] and check	ing							DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection	pection Notes : - None - minor checking - some splitting - None - None - None - None None None None	g and check	ing							DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection	pection Notes : - None - minor checking - some splitting - None - None - None - None Notes: 6 - Timber Colur	g and check	ing							DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection	pection Notes : - None - minor checking - some splitting - None - None - None - None Notes: 6 - Timber Colu	g and check mn	ing	0 ea.		100	0		0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection	pection Notes : - None - minor checking - some splitting - None - None - None - None Notes: - Timber Colur 1	and check	ing	0 ea.		100	0	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins	pection Notes : - None - minor checking - some splitting - None - None - None - None Notes: 6 - Timber Colur 1 spection Notes :	g and check mn 3	ing	0 ea.		100 %	0	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins 02/02/2009	pection Notes : - None - minor checking - some splitting - None - None - None - None Notes: 6 - Timber Colur 1 spection Notes : - None	g and check mn 3	ing	0 ea.		100	0	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins 02/02/2009 01/08/2007	pection Notes : - None - minor checking - some splitting - None - None - None - None - None - None - None - Timber Colur 1 - spection Notes : - None - None - None	g and check mn 3 g. Inspect	ing 1	0 ea.	columns at t	100 %	0 %	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI 0 % % 2 % 2 % 2 % 2 % 2 % 2 % 2 % 2 % 2
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins 02/02/2009 01/08/2007 12/10/2004	pection Notes : - None - minor checking - some splitting - None - None - None - None Notes: - Timber Colur 1 - spection Notes : - None - minor checkin - some minor sp	g and check mn 3 g. Inspect plitting	ing 1 tor - please incli	0 ea. ude the	columns at t	100 % he piers in this q	0 %	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI % % % % %
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002	pection Notes : - None - minor checking - some splitting - None - None - None - None - None - None - None - Timber Colur 1 - Spection Notes : - None - minor checkin - some minor sp - None	g and check mn 3 g. Inspect plitting	ing 1 vor - please incl	0 ea. ude the	columns at t	100 %	0 %	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI % % DXJZ JZJW DZKZ UVBZ
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000	pection Notes : - None - minor checking - some splitting - None - None - None - None - None - None - Timber Colur 1 - Spection Notes : - None - ninor checkin - some minor sp - None - None	g and check mn 3 g. Inspect plitting	ing 1 or - please incl	0 ea. ude the	columns at t	100 % he piers in this q	0 %	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998	pection Notes : - None - minor checking - some splitting - None - None - None - None - None - None - Timber Colur 1 - Spection Notes : - None - minor checkin - some minor sp - None - None - None - None - None	g and check mn 3 g. Inspect politting	ing 1	0 ea. ude the	columns at t	100 %	0 %	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI % % % % % % % % % % % % % % % % % % %
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996	spection Notes : - None - minor checking - some splitting - None - None - None - None - None - None - Timber Colur 1 - Spection Notes : - None - minor checkin - some minor sp - None - None - None - None - None - None - None - None	g. Inspect	ing 1 tor - please incl	0 ea. ude the	columns at t	100 %	0 %	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI % DXJZ JZJW DZKZ UVBZ UVBZ UFJN TBAT YDNF
Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1996 02/01/1994 Inspection Element 200 Previous Ins 02/02/2009 01/08/2007 12/10/2004 06/21/2002 05/30/2000 03/13/1998 01/01/1994	pection Notes : - None - minor checking - some splitting - None - None - None - None - None - None - Timber Colur 1 - Spection Notes : - None - None	g and check mn 3 g. Inspect politting	ing 1 tor - please incl	0 ea. ude the	columns at t	100 %	0 %	9	0	DXJZ JZJW DZKZ UVBZ UFJN TBAT YDNF REFI 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0



P00069034+02501 Continue

Element Des	cription									
Smart Flag	Scale Factor	Env	Quantity	Units	Insp Each	Pct Stat 1	Pct Stat 2	Pct Stat 3	Pct Stat 4	Pct Stat 5
lement 211	- Other Mtl Pier	Wall					I	I	I	
	1	2	16	m.		100	0	0	0	
						%	%	%	%	
Previous Ins	pection Notes :									
2/02/2009 -	None	States and		02020						DXJ
01/08/2007 -	The review tea	m added 1	6 m of element	211.0	ther Material	Pier Wall with 10	0?n condition st	ate 1.		JZJV
Inspection N	Notes:									
Element 216	- Timber Abutm	ient								
	1	3	30	m.		100	0	0	0	
						%	%	%	%	
Previous Ins	pection Notes :					1]		
02/02/2009 -	None	AND SALES		1225			and the second second	and the second second second		DX.
01/08/2007 -	None									JZJ
12/10/2004 -	None									DZK
06/21/2002 -	None									UVE
)5/30/2000 -	None									UEJ
03/13/1998 -	None									TBA
01/01/1996 -	None									YDN
02/01/1994 -	None									REF
Inspection I	Notes:		4							
Element 235	5 - Timber Cap					100				
	1	3	35	m.		100	0	0	0	
						%	%	%	%	
Previous Ins	pection Notes :									
02/02/2009 -	- None									DXJ
01/08/2007 -	- minor checking	1								JZJ
12/10/2004 -	- minor checking	1								DZk
06/21/2002	- None									UVE
05/30/2000	- None									UFJ
03/13/1998	- None									TBA
01/01/1996	- None									YD
02/01/1994	- None									RE
	Notes:									



P00069034+02501

Continue

********** Span : Main-0 - -1 (cont.) **********

Element Description									
Smart Flag Scale Factor	Env	Quantity	Units	Insp Each	Pct Stat 1	Pct Stat 2	Pct Stat 3	Pct Stat 4	Pct Stat 5
Element 332 - Timb Bridge F	Railing								
1	2	36	m.		90	10	C		
					%	%	%	%	
Previous Inspection Notes :									
02/02/2009 - None. (17.98)	(2 = 35.96	5)				Station and the			DXJZ
01/08/2007 - 2 posts split, so	me split a	reas in rail.							JZJW
12/10/2004 - none this inspe	ction								DZKZ
06/21/2002 - None									UVBZ
05/30/2000 - None									UFJN
03/13/1998 - None									TBAT
01/01/1996 - None									YDNF
02/01/1994 - None									
Inspection Notes:									
O	1.4								
General Inspection r	votes						tour don't consta		-
02/02/2009 - None									DXJZ
01/08/2007 - None									JZJVV
12/10/2004 - None									
05/21/2002 - None									
03/30/2000 - None									UFJN
03/13/1996 - None 01/01/1006 Sufficiency Pat	ing Coloul	ation Accounted	hu anal	5.15062 at 2/	10/07 14:20:00				
Sufficiency Rating Calculation	on Accepte	d by OPS\$U90	04 at 2	19/97 14:37	:13				TUNF
02/01/1994 -									DEEL
07/01/1992 - Updated with t	ane 100/								
03/01/1990 - Updated with t	ape 1992								NB92
02/01/1988 - Updated with t	ane 1989								NRSC
03/01/1986 - Updated with t	ape 1987								NB87
02/01/1984 - Updated with t	ape 1985								NR85
11/01/1982 - Updated with t	ape 1984								NB84
10/01/1980 - Updated with t	ape 1982								NB82
08/01/1977 - Updated with t	ape 1980								NB80