

NEVADA COMMISSION FOR THE RECONSTRUCTION OF THE V&T RAILWAY ("V&T Railway Commission") Agenda Report

Date Submitted: June 20, 2024

Meeting Date Requested: June 26, 2024

Time Requested: 5 Minutes

To: NEVADA COMMISSION for the RECONSTRUCTION of the V&T RAILWAY Commissioners

From: David Peterson

**Subject Title:** Discussion, presentation and possible action regarding a report and visual inspection of the V&T Railways and V&T Railway Bridge (G-2898) conducted by Wood Rodgers.– David Peterson (<u>admin@vtrailway.com</u>)

**Staff Summary:** A visual inspection of the V&T Railway was conducted by Wood Rodgers from Gold Hill to the East Gate Depot. *Jim Koch of Wood Rodgers will present findings of the visual inspection performed between January 31, 2024, and May 10, 2024. The V&T Commission is asked to comment on the report and direct staff to address the proposed corrective actions.* 

Type of Action Requested:	
() Resolution	() Ordinance
(_XX_) Formal Action/Motion	( ) Other (Specify) Presentation Only
Recommended Board Action:	I move to direct staff to make corrective actions as discussed on the record.
Applicable Statute, Code, Policy, Rule	or Regulation:
Fiscal Impact:	
Explanation of Impact:	
Funding Source:	
Supporting Material/Attachments: 202	240626_VT Item 12 _Inspection_Report
Prepared By: Cheryl Bailey, Executiv	re Assistant



May 31, 2024

Nevada Commission for the Reconstruction of the V&T Railway P.O. Box 1711 Carson City, NV 89702

## Subject: V&T Railway – Visual Inspection Report

Dear Commissioners:

A visual inspection of the V&T Railways conducted on the culvert, crossings, slopes, embankments, Hwy 50 Bridge crossing, and tunnel from Gold Hill to the East Gate Depot, Nevada was performed between January 31, 2024 and May 10, 2024.

A visual inspection of the V&T Railway Bridge (G-2898) crossing Highway US-50 in Carson City, Nevada was performed on May 10, 2024.

This visual inspection was conducted by observing the bridge structure from below at a safe distance from traffic on the shoulder of US-50 and from atop the bridge at track level. The bridge was observed during a train crossing on May 10, 2024. Observation of the bridge during the train's crossing revealed no noticeable movement.

The bridge was found to be in good condition. Minor maintenance is recommended to address a few existing conditions. The findings from the inspection are presented in the attached report titled: "V&T Railway (Bridge G-2898) – Visual Bridge Inspection Report" along with an included photo exhibit.

During the annual inspection, the use of a special inspection "High Rail" vehicle was used for travel on the railway. The inspections were conducted by making intermittent stops along the alignment at each location. Our team visually observed the conditions of each item and noted any deficiencies or corrective actions on the attached inspection sheets.

Most of the checklist items were clean, intact, or functioning properly and will not require any additional maintenance or corrective actions. There were a few areas that needed minor maintenance, which included cleaning out fallen rock, vegetation, and minor sediment buildup. No noted rail correction items were found during our inspections. Corrective actions that may need additional maintenance or continuous monitoring include:

- STA: 972+50 to 976+75 Major rock debris near the rail. Removal of large boulders and monitor slope for loose rocks.
- STA: VCs 957+00 Add ballast rock to approximately twenty feet of rail.

Corporate Office: 3301 C Street, Bldg. 100-B • Sacramento, CA 95816 • 916.341.7760 • Fax: 916.341.7767 Reno Office: 1361 Corporate Boulevard, Reno, NV 89502 • 775.823.4068 • Fax: 775.823.4066 www.woodrodgers.com Nevada Commission for the Reconstruction of the V&T Railway May 31, 2024 Page **2** of **2** 

- STA: VCs 957+00 The culvert outlet was buried on the downhill side. The piping should be exposed and cleaned out.
- STA: 880+50 to 884+50 Major rock debris near the rail. Removal of large boulders and monitor slope for loose rocks.
- STA: 739+00 to 740+00 Slope failure occurred during the winter months. The slope should be cleaned away from the ballast rock and monitored for additional movement.

Overall, the inspection was relatively clean with only minor to moderate correction items, except those listed above. The commission should consider addressing the items above during the summer months and closely monitor any changes or deficiencies through higher precipitation months.

Please contact our office if you should have any related questions or comments.

Sincerely,

Wood Rodgers Inc.

Jim Koch, CEM

Project manager, Associate

David Edgington, P.E. Associate

Enclosures: Inspection Reports NDOT 2023 Bridge Inspection Report

				Nevada Commission for	Reconstru	uction of the V&T Railwa	у		
				CULVERT IN	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/3	1/2024		Pictures:		
CULVE	RT DATA			Sheet1					
	16	3 3 6			COMME	INTS			
ENG'S STATION	"VT"	63+16			COMME	N15			
ROUTE:									
SIZE:	1	8"							
TYPE:	R	CP							
		RECORD	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATION	IS	DATE		ACTION TAKEN		BY:
INLET		Clear Balllast de	debris at inlet. Armor inlet with 4"	rock.					
OUTLET		Clean out minor	or debris						
BARREL		Good							
DEBRIS		Minor debris							
VEGETATION		Minor vegitation	n						
RIP RAP		Minor erosion							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. Edgington , Culvert Inspector Signature						BY:	Signature	, Foreman	
APPROVED:	APPROVED: , Roadmaster / Officer In Charge					APPROVED:		, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additio	Signature onal sheets as required:		

				Nevada	a Commission for	Reconstru	uction of the V&T Railwa	У		
				(	CULVERT I	<b>NSPEC</b>	ΓΙΟΝ REPORT			
				Inspec	ction Date: 1/	31/2024		Pictures:		
CULVE	RT DATA			Sheet_	2					
	1	5 72				COMME	INTE			
ENG'S STATION	"\/T"	29+19	-			COMME	N15			
		25.15								
SIZE:	2	24"								
TYPE:	R	CP								
		RECORD	OF INSP	ECTION			C	EN		
COMPONENT	CONDITION		NOTATIONS					ACTION TAKEN		BY:
INLET		Clear vegitation	l							
OUTLET		Clean out minor	debris							L
BARREL		Good								
DEBRIS		Minor debris								
VEGETATION		Minor vegitation	ı							
RIP RAP		Good								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D. Edgington , Culvert Inspector Signature						BY:	Signature	, Foreman		
APPROVED:	APPROVED:, Roadmaster / Officer In Charge						APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:						Use additio	onal sheets as required:		

				Nevada Commission for R	econstru	uction of the V&T Railwa	у		
				CULVERT INS	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/31/	2024		Pictures:		
CULVE	RT DATA			Sheet3					
	15	5.43			COMME	NTS			
ENG'S STATION:	"VR"	13+74			COMME				
ROUTE:									
SIZE:	3	6"							
TYPE:	R	СР							
		RECORD	OF IN	NSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Moderate debri	s and r	rocks in inlet					
OUTLET		Minir debris on	outlet						
BARREL		Moderate debri	s and s	sediment in barrel					
DEBRIS		moderate							
VEGETATION		Minor vegitation	า						
RIP RAP		Slight erosion of	on inlet	t side					
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	,	Culve	ert Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge				master / Officer In Charge		APPROVED:	0 matrix	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additio	Signature onal sheets as required:		

				Neva	ada Commission for	Reconstru	uction of the V&T Railwa	ay		
					CULVERT IN	SPEC	ΓΙΟΝ REPORT			
				Ins	spection Date: 1/3	1/2024		Pictures:		
CULVE	RT DATA			Sh	eet 4					
MILEPOST:	15	5.35				СОММЕ	NTS			
ENG'S STATION:	"VCs"	999+65								
ROUTE:										
SIZE:	4	42"								
TYPE:	с	MP								
		RECORD	OF INSPEC	TION			C	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good								
OUTLET		Good								
BARREL		Good								
DEBRIS		Good								
VEGETATION		Good								
RIP RAP		Good								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D.	Edgington Signature	,	Culvert Inspec	tor			BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:							APPROVED Use additi	: Signature ional sheets as required:	, Roadmaster / Officer In Charge	

				Nevada	a Commission for	Reconstru	uction of the V&T Railwa	y		
				(	CULVERT II	NSPEC	TION REPORT			
				Inspec	ction Date: 1/	31/2024		Pictures:		
CULVE	RT DATA			Sheet	5					
MILEPOST:	1	5.21				СОММЕ	INTS			
ENG'S STATION:	"VCs"	992+00								
ROUTE:										
SIZE:	4	42"								
TYPE:	с	MP								
-		RECORD	OF IN	ISPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Moderate sedir	nent ar	nd vegetation						
OUTLET		Good				_				<b></b>
BARREL		Good				_				<b></b>
DEBRIS		moderate sedir	nent			_				<b></b>
VEGETATION		moderate				_				<b></b>
RIP RAP		Good				_				<b> </b>
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good				_				<b></b>
TRACK ABOVE		Good				_				<b> </b>
BALLAST ABOVE		Good								<u> </u>
OTHER										
BY: J. Koch / D.	Edgington Signature	,	Culve	rt Inspector			BY:	Signature	, Foreman	
APPROVED: , Roadmaster / Officer In Charge							APPROVED:		, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:						Use additi	Signature onal sheets as required:		

				Nevada Commission for	Reconstru	uction of the V&T Railwa	ny		
				CULVERT I	NSPEC	ΓΙΟΝ REPORT			
				Inspection Date:1	31/2024		Pictures:		
CULVE	RT DATA			Sheet6					
MILEPOST:	15	.08			COMME	NTS			
ENG'S STATION:	"VCs"	985+14							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD	OF INSPECTION		N				
COMPONENT	CONDITION		NOTATIO	ONS	DATE		ACTION TAKEN		BY:
INLET		Minor sediment							
OUTLET		Good							
BARREL		Good							
DEBRIS		Minor sediment	1						
VEGETATION		Good							
RIP RAP		Good							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. I</u>	Edgington Signature	,	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	APPROVED:, Roadmaster / Officer In Charge					APPROVED	:Signature	, Roadmaster / Officer In Charge	
Use additional sheets	as required:					Use additi	onal sheets as required:		

				Nevada Commission for R	leconstru	uction of the V&T Railway	7		
				CULVERT IN	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/31/	2024		Pictures:		
CULVER				Sheet7					
MILEPOST:	14	.96			COMME	NTS			
ENG'S STATION:	"VCs"	978+60							
ROUTE:									
SIZE:	4	2"							
TYPE:	CI	MP							
		RECORD	OF IN	NSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Minor vegetatio	n						
BARREL		Good							
DEBRIS		Good							
VEGETATION		Minor vegetatio	n on ou	utlet side					
RIP RAP		Good							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. E	dgington Signature	3	Culver	rt Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED: _ Use additio	Signature nal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission for	Reconstru	uction of the V&T Railw	ay		
				CULVERT IN	ISPEC	FION REPORT			
				Inspection Date: 1/3	1/2024		Pictures:		
CULVE	RT DATA			Sheet 8					
MILEPOST:	14	1.63			СОММЕ	INTS			
ENG'S STATION:	"VCs"	961+69							
ROUTE:									
SIZE:	4	12"							
TYPE:	с	MP							
		RECORD	of in	ISPECTION			CORRECTIVE ACTION TAKE	EN	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Major sediment	, minor	vegetation					
OUTLET		Major vegetation	n						
BARREL		Good							
DEBRIS		Good							
VEGETATION		Vegetation on b	oth inle	et and outlet					
RIP RAP		Good							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	,	Culvert	t Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge						APPROVED	):Signatura	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use addi	signature tional sheets as required:		

				Nevada Commission for	Reconstru	uction of the V&T Railwa	ay		
				CULVERT IN	ISPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/3	1/2024		Pictures:		
CULVE	RT DATA			Sheet9					
	14	4 55			COMME	INTS		]	
ENG'S STATION:	"VCs"	957+00			0011112				
ROUTE:									
SIZE:	1	12"							
TYPE:	с	MP							
		RECORD	OF IN	NSPECTION		(	CORRECTIVE ACTION TAKE	EN	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Completely blo	cked by	by vegetation and debris					
OUTLET		No outlet expos	ed. Fo	oound outlet just below ballast rock					
BARREL		Clean out							
DEBRIS		Major debris							
VEGETATION		Vegetation on b	oth inl	let and outlet					
RIP RAP		Place addiitiona	al ripra	ap on inlet side					
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Needs attention	1						
TRACK ABOVE		Good							
BALLAST ABOVE		Needs addition	al balla	ast rock					
OTHER									
BY: J. Koch / D. Edgington, Culvert Inspector Signature						BY:	Signature	, Foreman	
APPROVED:	APPROVED: , Roadmaster / Officer In Charge					APPROVED	:	, Roadmaster / Officer In Charge	
Signature Use additional sheets as required:						Use addit	Signature ional sheets as required:		

				Nevada Commission	for Reconst	ruction of the V&T Railw	vay		
				CULVERT	' INSPEC	TION REPORT			
				Inspection Date:	1/31/2024		Pictures:		
CULVE	ERT DATA			Sheet 10					
MILEPOST:	14	4.51			СОММ	ENTS		]	
ENG'S STATION:	"A2"	24+61						=	
ROUTE:									
SIZE:	1	12"							
TYPE:	с	MP							
		RECORD	OF INSPECTION				CORRECTIVE ACTION TAK	EN	
COMPONENT	CONDITION		NOT	TATIONS	DATE		ACTION TAKEN		BY:
INLET	_	Minor sediment	t and vegetation						<b> </b>
OUTLET		Major vegetatio	on						ļ
BARREL		Good							
DEBRIS		Minor sediment	t						ļ
VEGETATION		Vegetation on b	both inlet and outlet						
RIP RAP		Good							<b></b>
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. Edgington , Culvert Inspector Signature						BY:	Signature	_, Foreman	
APPROVED: , Roadmaster / Officer In Charge						APPROVE	D:	, Roadmaster / Officer In Charge	
Use additional sheets as required:						Use add	Signature litional sheets as required:		

				Nevada Com	mission for	Reconstru	ction of the V&T Railwa	ay		
				CULY	VERT IN	<b>NSPEC</b>	TION REPORT			
				Inspection Date	e: 1/3	31/2024		Pictures:		
CULVE	RT DATA			Sheet	11					
MILEPOST:	14	.49	Γ			COMME	NTS			
ENG'S STATION:	"VCs"	953+88				Box Culv	vert			
ROUTE:										
SIZE:	3'	x4'								
TYPE:	В	ox								
		RECORD	OF INS	PECTION			(	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Minor vegetation	Minor vegetation and debris							
OUTLET		Minor debris				_				
BARREL		Good				_				
DEBRIS		Minor				_				
VEGETATION		Vegetation on b	oth inlet	and outlet		-				
RIP RAP		NA								
HEADWALL		Good								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: <u>J. Koch / D.</u>	Edgington Signature	,	Culvert li	nspector			BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:							APPROVED Use addit	:Signature ional sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Co	mmission for	Reconstru	ction of the V&T Railwa	ay		
				CUI	LVERT IN	<b>NSPEC</b>	TION REPORT			
				Inspection D	)ate: 1/3	31/2024		Pictures:		
CULVE	RT DATA			Sheet	12					
MILEPOST:	14	.39	Γ			COMME	NTS			
ENG'S STATION:	"VCs"	949+00								
ROUTE:										
SIZE:	1	8"								
TYPE:	с	MP								
		RECORD	OF INS	PECTION			(	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good								
OUTLET		Good				_				
BARREL		Good								
DEBRIS		Good								
VEGETATION		Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D.	Edgington Signature		Culvert I	nspector			BY:	Signature	, Foreman	
APPROVED: Use additional sheets	Signature as required:		Roadma	ster / Officer In Charge			APPROVED Use addit	: Signature ional sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission for F	Reconstru	uction of the V&T Railwa	<b>y</b>		
				CULVERT IN	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/31	/2024		Pictures:		
CUI VE				Sheet13					
				<u> </u>					
MILEPOST:	14	4.23			COMME	NTS			
ENG'S STATION:	"VCs"	940.28							
ROUTE:									
SIZE:	1	8"							
TYPE:	C	MP							
		RECORD	OF IN	NSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Minor sediment							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D.</u>	Edgington Signature	,	Culve	rt Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED: Use additio	Signature	, Roadmaster / Officer In Charge	

				Nevada Commission for	Reconstr	uction of the V&T Railwa	y		
				CULVERT I	<b>NSPEC</b>	TION REPORT			
				Inspection Date: 1/	31/2024		Pictures:		
				Sheet13					
MILEPOST:	14	4.15			COMME	INTS			
ENG'S STATION:	"VCs"	936.25							
ROUTE:									
SIZE:	1	18"							
TYPE:	C	MP							
		RECORD	OF IN	ISPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Minor sediment							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	,	Culver	t Inspector		BY:	Signature	, Foreman	
APPROVED:	Signature as required:	,	Roadm	naster / Officer In Charge		APPROVED: Use additi	Signature onal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission fo	or Reconstru	uction of the V&T Railwa	ay		
				CULVERT	<b>NSPEC</b>	FION REPORT			
				Inspection Date:	1/31/2024		Pictures:		
				Sheet 13			_		
CULVE	RT DATA								
MILEPOST:	14	.04			COMME	NTS			
ENG'S STATION:	"A3"	10+87							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD	OF INSPECTION			C	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATION	NS	DATE		ACTION TAKEN		BY:
INLET		Moderate sedim	nent						
OUTLET		Moderate sedim	nent						
BARREL		moderate sedim	nent						
DEBRIS		moderate							
VEGETATION		minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. E</u>	Edgington Signature	, (	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	Signature	, I	Roadmaster / Officer In Charge			APPROVED	:Signature	, Roadmaster / Officer In Charge	
Use additional sheets	as required:					Use additi	onal sheets as required:		

				Nevada Commission for R	econstru	uction of the V&T Railwa	у		
				CULVERT INS	SPEC	TION REPORT			
				Inspection Date: 1/31/	2024		Pictures:		
CULVE	RT DATA			Sheet 13					
MILEPOST:	14	.04			СОММЕ	INTS			
ENG'S STATION:	"A3"	11+16							
ROUTE:									
SIZE:	1	2"							
TYPE:	С	MP							
		RECORD	OF IN	NSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Moderate sedin	nent						
OUTLET		Moderate sedin	nent						
BARREL		moderate sedin	nent						
DEBRIS		moderate							
VEGETATION		minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. Edgington , Culvert Inspector Signature						BY:	Signature	, Foreman	
APPROVED:		,	Roadr	master / Officer In Charge		APPROVED:		, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additio	Signature onal sheets as required:		

				Nevada Con	nmission for	Reconstru	ction of the V&T Railwa	ay		
				CUL	VERT IN	<b>NSPEC</b>	FION REPORT			
				Inspection Da	ate: 1/3	31/2024		Pictures:		
CULVE	RT DATA			Sheet	13					
MILEPOST:	15	3.96	Γ			COMME	NTS			
ENG'S STATION:	"VCs"	926+18	F							
ROUTE:										
SIZE:	1	8"								
TYPE:	с	MP								
		RECORD	OF INS	SPECTION			C	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good				_				
OUTLET		Good								
BARREL		Good								
DEBRIS		Good								
VEGETATION		Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: <u>J. Koch / D. I</u>	Edgington Signature		Culvert	Inspector			BY:	Signature	, Foreman	
APPROVED: Use additional sheets	Signature as required:		Roadma	aster / Officer In Charge			APPROVED Use additi	: Signature ional sheets as required:	, Roadmaster / Officer In Charge	

			Nevada Commission	for Reconstr	uction of the V&T Railway	y		
			CULVERT	INSPEC	TION REPORT			
			Inspection Date:	1/31/2024		Pictures:		
CULVE	RT DATA		Sheet 13			_		
MILEPOST:	13	5.79		COMME	INTS			
ENG'S STATION:	"VCs"	917+00						
ROUTE:								
SIZE:	1	8"						
TYPE:	C	MP						
		RECORD O	F INSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good						
OUTLET		Minor sediment						
BARREL		minor sediment						
DEBRIS		Good						
VEGETATION		Good						
RIP RAP		NA						
HEADWALL		NA						
DITCH/CHANNEL		Good						
STRUCTURE		Good						
TRACK ABOVE		Good						
BALLAST ABOVE		Good						
OTHER								
BY: <u>J. Koch / D. I</u>	Edgington Signature	, Cu	ulvert Inspector		BY:	Signature	, Foreman	
APPROVED:	Signature	, Ro	oadmaster / Officer In Charge		APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	as required:				Use additio	nal sheets as required:		

				Nevada Commission fo	r Reconstru	uction of the V&T Railwa	ny		
				CULVERT	NSPEC	FION REPORT			
				Inspection Date:	1/31/2024		Pictures:		
				Sheet 13					
CULVE									
MILEPOST:	13	.69			COMME	NTS			
ENG'S STATION:	"VCs"	912+00							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIC	NS	DATE		ACTION TAKEN		BY:
INLET		Moderate sedim	nent						
OUTLET		Good							ļ
BARREL		Moderate sedim	nent						
DEBRIS		Moderate							ļ
VEGETATION		Good							ļ
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. I</u>	Edgington Signature	,	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature						APPROVED	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	as required:					Use additi	onal sheets as required:		

				Nevada Commission for I	Reconstru	uction of the V&T Railwa	у		
				CULVERT IN	SPEC	FION REPORT			
				Inspection Date: 1/31	/2024		Pictures:		
CULVE	RT DATA			Sheet 13					
				<u> </u>					
MILEPOST:	13	3.57			COMME	INTS			
ENG'S STATION:	"VCs"	905+25							
ROUTE:	_								
SIZE:	1	2"							
TYPE:	С	MP							
		RECORD	OF IN	NSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Moderate sedir	nent						
OUTLET		Moderate sedir	nent						
BARREL		Moderate sedir	nent						
DEBRIS		Moderate							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	,	Culver	rt Inspector		BY:	Signature	, Foreman	
APPROVED:	APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:					APPROVED:	Signature	, Roadmaster / Officer In Charge	

				Nevada Commission for F	Reconstru	uction of the V&T Railwa	у		
				CULVERT IN	SPEC	FION REPORT			
				Inspection Date: 1/31	/2024		Pictures:		
CULVE	RT DATA			Sheet13					
MILEPOST:	13	.43			COMME	NTS			
ENG'S STATION:	"VCs"	897+87							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD	OF IN	ISPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Moderate sedim	nent						
OUTLET		Moderate sedim	nent						
BARREL		Moderate sedim	nent						
DEBRIS		Moderate							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	,	Culver	t Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge						APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	as required:					Use addition	onal sneets as required:		

				Nevada Commission	n for Reconstr	ruction of the V&T Railv	vay		
				CULVER	T INSPEC	TION REPORT			
				Inspection Date:	1/31/2024		Pictures:		
				Sheet 13			_		
CULVE	RT DATA								
MILEPOST:	13	.27			СОММ	ENTS			
ENG'S STATION:	"VCs" LT	"A4" 10+91							
ROUTE:									
SIZE:	1	2"							
TYPE:	С	MP							
		RECORD (	OF INSPECTION				CORRECTIVE ACTION TAKE	EN	
COMPONENT	CONDITION		NO	TATIONS	DATE		ACTION TAKEN		BY:
INLET		Moderate sedime	ient						
OUTLET		Moderate sedime	ient						
BARREL		Moderate sedime	ient						
DEBRIS		Moderate							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. I</u>	Edgington Signature	, (	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge						APPROVE	D:Signature	, Roadmaster / Officer In Charge	
Use additional sheets	as required:					Use add	ditional sheets as required:		

				Nevada Co	mmission for	Reconstru	uction of the V&T Railwa	ay		
				CU	LVERT IN	NSPEC.	ΓΙΟΝ REPORT			
				Inspection E	Date: 1/3	31/2024		Pictures:		
CULVE	RT DATA			Sheet	13					
MILEPOST:	13	3.23				СОММЕ	NTS			
ENG'S STATION:	"VCs"	887+50					-			
ROUTE:										
SIZE:	1	8"								
TYPE:	с	MP								
		RECORD	of insp	PECTION			(	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good								
OUTLET		Good								
BARREL		Good								
DEBRIS		Good								
VEGETATION		Good								
RIP RAP		NA				_				
HEADWALL		NA								
DITCH/CHANNEL		Good				_				
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D.	Edgington Signature	,	Culvert In	spector			BY:	Signature	, Foreman	
APPROVED:Use additional sheets	Signature as required:	,	Roadmas	ter / Officer In Charge			APPROVED Use additi	: Signature ional sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission for F	Reconstru	uction of the V&T Railwa	у					
				CULVERT IN	SPEC	ΓΙΟΝ REPORT						
				Inspection Date: 1/31	/2024		Pictures:					
				Sheat 13								
CULVE	RT DATA											
MILEPOST:	12	87			COMMENTS							
ENG'S STATION:	"VCs"	869+45										
ROUTE:												
SIZE:	1	2"										
TYPE:	C	MP	l									
		RECORD	OF IN	SPECTION		C	ORRECTIVE ACTION TAKE	N				
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:			
INLET	-	Moderate sedim	nent									
OUTLET	-	Good										
BARREL		Minor sediment										
DEBRIS		Good										
VEGETATION		Good										
RIP RAP		NA										
HEADWALL		NA										
DITCH/CHANNEL		Good										
STRUCTURE		Good										
TRACK ABOVE		Good										
BALLAST ABOVE		Good										
OTHER												
BY: <u>J. Koch / D. I</u>	Edgington Signature	,	Culvert	Inspector		BY:	Signature	, Foreman				
APPROVED:, Roadmaster / Officer In Charge						APPROVED:		, Roadmaster / Officer In Charge				
Use additional sheets	Signature Use additional sheets as required:					Use additio	Signature onal sheets as required:					

				Nevada Con	nmission for	Reconstru	ction of the V&T Railwa	ay		
				CUL	VERT IN	ISPEC	ΓΙΟΝ REPORT			
				Inspection Da	ite: 1/3	1/2024		Pictures:		
CULVER				Sheet	13					
MILEPOST:	12	2.73				СОММЕ	NTS		]	
ENG'S STATION:	"VCs"	861+00								
ROUTE:										
SIZE:	1	8"								
TYPE:	с	MP								
		RECORD	OF INSPECTION				C	CORRECTIVE ACTION TAKE	EN	
COMPONENT	CONDITION		NC	TATIONS		DATE		ACTION TAKEN		BY:
INLET		Good								
OUTLET		Good								
BARREL		Good								
DEBRIS		Good								
VEGETATION		Good								
RIP RAP		NA				_				
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE	-	Good								
OTHER						-				
BY: J. Koch / D. E	dgington Signature	,	Culvert Inspector				BY:	Signature	, Foreman	
APPROVED:Use additional sheets a	APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED Use additi	: Signature ional sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission	for Reconstr	uc	ction of the V&T Railwa	ny		
				CULVERT	INSPEC	TI	ION REPORT			
				Inspection Date:	1/31/2024			- Pictures:		
CULVE	RT DATA			Sheet 13						
	12	37			COMM	ENT	TS		7	
ENG'S STATION:	"VCs"	842+00							=	
ROUTE:										
SIZE:	1	8"								
TYPE:	C	MP								
		RECORD	OF IN	ISPECTION			C	ORRECTIVE ACTION TAK	EN	
COMPONENT	CONDITION			NOTATIONS	DATE	T		ACTION TAKEN		BY:
INLET		Good								
OUTLET		Good								
BARREL		Good								
DEBRIS		Good								
VEGETATION		Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: <u>J. Koch / D. I</u>	Edgington Signature		Culver	t Inspector			BY:	Signature	_, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:							APPROVED: Use additi	: Signature onal sheets as required:	_, Roadmaster / Officer In Charge	

			Nevad	la Commission for 1	Reconstru	iction of the V&T Railwa	Ŋ		
				CULVERT IN	ISPEC.	ΓΙΟΝ REPORT			
			Inspe	ection Date: 1/3	1/2024		Pictures:		
CULVER			Shee	et 13					
MILEPOST:	12	.12			СОММЕ	NTS			
ENG'S STATION:	"VCs"	829+00							
ROUTE:									
SIZE:	1	8"							
TYPE:	с	MP							
		RECORD	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE	-	Good			-				
OTHER									
BY: J. Koch / D. E	dgington Signature	,	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	Signature as required:	,	Roadmaster / Officer In Charge			APPROVED Use additi	Signature onal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission for R	Reconstru	ction of the V&T Railway			
				CULVERT IN:	SPEC	TION REPORT			
				Inspection Date: 1/31	/2024		Pictures:		
CULVER				Sheet13					
MILEPOST:	11	.79			COMME	NTS			
ENG'S STATION:	"VCs"	811+50							
ROUTE:									
SIZE:	1	8"							
TYPE:	CI	MP							
		RECORD	OF IN	ISPECTION		CO	RRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Missing lower F	lared e	end					
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. E	dgington Signature	3	Culver	rt Inspector		BY:	Signature	, Foreman	
APPROVED:Use additional sheets a	APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:					APPROVED: Use addition	Signature al sheets as required:	, Roadmaster / Officer In Charge	

				Nev	ada Commission	n for Reconst	ru	ction of the V&T Railwa	ay			
					CULVER	T INSPEC	CT	TION REPORT				
				In	spection Date:	1/31/2024			-	Pictures:		
CULVE	RT DATA			SI	heet 13							
MILEPOST:	1'	1.74				COMN	ИEN	NTS				
ENG'S STATION:	"VCs"	809+50										
ROUTE:												
SIZE:	1	18"										
TYPE:	с	MP										
-		RECORD	OF INSPEC	TION				C	CORRECTIVE ACTIO	ON TAKEN	N	
COMPONENT	CONDITION			NOTATIONS		DATE			ACTION TAKE	N		BY:
INLET		Good										
OUTLET		Good										
BARREL		Good										
DEBRIS		Good										
VEGETATION		Good										
RIP RAP		NA										
HEADWALL		NA										
DITCH/CHANNEL		Good										
STRUCTURE	_	Good										
TRACK ABOVE	_	Good										
BALLAST ABOVE		Good										
OTHER												
BY: <u>J. Koch / D.</u>	Edgington Signature	,	Culvert Inspec	tor				BY:	Signature	,	Foreman	
APPROVED:Use additional sheets	APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:							APPROVED Use additi	:Signature ional sheets as required:	,	Roadmaster / Officer In Charge	

				Ne	vada Commi	ission for 1	Reconstru	iction of the V&T Railwa	ay		
					CULV	ERT IN	SPEC	ΓΙΟΝ REPORT			
				-	nspection Date:	1/3*	1/2024		Pictures:_		
CULVER	RT DATA			:	Sheet	13					
MILEPOST:	11	.54					СОММЕ	NTS		]	
ENG'S STATION:	"VCs"	798+50									
ROUTE:											
SIZE:	1	2"									
TYPE:	С	MP									
		RECORD	OF INSPECT	ΓΙΟΝ					CORRECTIVE ACTION TAK	EN	
COMPONENT	CONDITION			NOTATIONS			DATE		ACTION TAKEN		BY:
INLET		Good									
OUTLET		Good									
BARREL		Good									
DEBRIS		Good									
VEGETATION		Good									
RIP RAP		NA					_				
HEADWALL		NA									
DITCH/CHANNEL		Good									
STRUCTURE		Good									
TRACK ABOVE		Good									
BALLAST ABOVE		Good									
OTHER							-				
BY: J. Koch / D. E	dgington Signature	,	Culvert Inspect	or				BY:	Signature	, Foreman	
APPROVED:	APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:							APPROVED Use addit	): Signature tional sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission for	Reconstru	uction of the V&T Railwa	ny		
				CULVERT IN	ISPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/3	31/2024		Pictures:		
CULVE	RT DATA			Sheet13					
MILEPOST:	11	.35			СОММЕ	INTS			
ENG'S STATION:	"VCs"	788+50							
ROUTE:									
SIZE:	1	2"							
TYPE:	с	MP							
		RECORD	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Major			_				
OUTLET		Good			_				
BARREL		Good			_				
DEBRIS		Good			_				
VEGETATION		Good			_				
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good			_				
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	,	, Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED Use additi	Signature onal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commi	ssion for R	leconstru	iction of the V&T Railwa	ay		
				CULVI	ERT IN	SPECT	TION REPORT			
				Inspection Date:	1/31/	/2024		Pictures:		
				Sheet	13			_		
CULVE	RT DATA				10					
MILEPOST:	11	.19				СОММЕ	NTS			
ENG'S STATION:	"VCs"	780+00								
ROUTE:										
SIZE:	1	2"								
TYPE:	C	MP								
		RECORD	OF INSPECTION				C	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NC	DTATIONS		DATE		ACTION TAKEN		BY:
INLET		Moderate sedim	ient							
OUTLET		Good								
BARREL		Good								
DEBRIS		Good								
VEGETATION		Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: <u>J. Koch / D. I</u>	Edgington Signature	,(	Culvert Inspector				BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge, Signature							APPROVED	:Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Use additional sheets as required:						Use additi	ional sheets as required:		

				Nevada Commission f	or Reconstr	ruction of the V&T Raily	way		
				CULVERT	INSPEC	TION REPORT			
				Inspection Date:	1/31/2024		Pictures:		
CULVE	RT DATA			Sheet13					
MILEPOST:	11	.03			COMM	ENTS		]	
ENG'S STATION:	"VCs"	771+50							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD	OF INS	SPECTION			CORRECTIVE ACTION TAKE	EN	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Minor sediment							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. I</u>	Edgington Signature	, (	Culvert I	Inspector		BY:	Signature	, Foreman	
APPROVED:		, I	Roadma	aster / Officer In Charge		APPROVI	ED:	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use ad	Signature ditional sheets as required:		
				Nevada Commission for	Reconstru	uction of the V&T Railwa	ay		
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				CULVERT IN	ISPEC	FION REPORT			
				Inspection Date: 1/3	31/2024		Pictures:		
				Sheet 13			_		
CULVE	RT DATA								
MILEPOST:	10	.78			COMME	NTS			
ENG'S STATION:	"VCs"	758+00							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD	OF INSPECTION			(	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good			_				
OUTLET		Minor sediment	t						
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. F</u>	Edgington Signature	, (	, Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	Signature	, I	, Roadmaster / Officer In Charge			APPROVED	: Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additi	ional sheets as required:		

				Nevada Commission	for Reconstr	uction of t	the V&T Railway			
				CULVERT	INSPEC	TION F	REPORT			
				Inspection Date:	1/31/2024			Pictures:		
CULVE	RT DATA			Sheet13						
			F							
	10	).75	_		COMM	ENTS				
	"VCs" L1	"A9" 33+64								
	1	2" MD								
TYPE:	C	MP								
		RECORD	of Insp	ECTION			CC	ORRECTIVE ACTION TAKE	N	1
COMPONENT	CONDITION			NOTATIONS	DATE			ACTION TAKEN		BY:
INLET		Moderate sedim	ent							
OUTLET		Moderate sedim	ent							
BARREL	-	Moderate sedim	ent							
DEBRIS		moderate								
VEGETATION	-	Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE	_	Good								
TRACK ABOVE	_	Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D.	Edgington Signature	,	Culvert Ins	spector			BY:	Signature	, Foreman	
	APPROVED:, Roadmaster / Officer In Charge						APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional Sheets	Use additional sheets as required:						USE addition	iai sileeis as leyulleu.		

				Nevada Commission	for Reconstr	uction	of the V&T Railway			
				CULVERT	INSPEC	ΠΟΙ	N REPORT			
				Inspection Date:	1/31/2024			Pictures:		
				Sheet 13				_		
COLVER									1	
MILEPOST:	10	.71			COMM	NTS				
ENG'S STATION:	"VCs" LT	'A16" 7+55								
ROUTE:										
SIZE:	6	0"								
TYPE:	CI	MP								
		RECORD	OF IN	ISPECTION			CC	DRRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE	┝──		ACTION TAKEN		BY:
INLET		Good				—				
OUTLET		Good				<u> </u>				
BARREL		Good				<u> </u>				
DEBRIS		Good				$\vdash$				
VEGETATION		Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D. E	dgington Signature	,	Culver	t Inspector			BY:	Signature	, Foreman	
APPROVED:Use additional sheets a	Signature is required:	,	, Roadm	naster / Officer In Charge			APPROVED: _	Signature nal sheets as required:	, Roadmaster / Officer In Charge	

			Neva	ada Commission for 1	Reconstru	uction of the V&T Railwa	y		
				CULVERT IN	SPEC	ΓΙΟΝ REPORT			
			Ins	pection Date: 1/3	1/2024		- Pictures:		
CULVE	RT DATA		She	eet 13					
MILEPOST:	10	0.69			СОММЕ	NTS			
ENG'S STATION:	"VCs"	753+41							
ROUTE:									
SIZE:	6	60"							
TYPE:	с	MP							
		RECORD C	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good			-				
BARREL		Good			-				
DEBRIS		Good			-				
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D.</u>	Edgington Signature	, C	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	Signature	, R	Roadmaster / Officer In Charge			APPROVED:	Signature	, Roadmaster / Officer In Charge	
	Use additional sheets as required:						onal shoets as required.		

			Neva	ida Commission for	<u>Reconstru</u>	iction of the V&T Railwa	ıy		
				CULVERT IN	SPECT	FION REPORT			
			Insp	pection Date: 1/3	1/2024		Pictures:		
CULVE	RT DATA		She	eet 13					
			ŀ						
MILEPOST:	10	.53			COMME	NTS			
ENG'S STATION:	"VCs"	744+82							
ROUTE:									
SIZE:	2	4"							
TYPE:	C	MP							
		RECORD C	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Minor sediment							
OUTLET		Minor sediment							
BARREL		Good							
DEBRIS		Sediment							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. F</u>	Edgington Signature	, C	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:Use additional sheets	PPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:					APPROVED: Use additi	:Signature onal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission	n for Reconstr	uction of the V&T Railwa	ay		
				CULVER	T INSPEC	TION REPORT			
				Inspection Date:	1/31/2024		Pictures:		
				Sheet13					
CULVE									
MILEPOST:	9	.89			COMME	ENTS			
ENG'S STATION:	"VCs" LT	"BC" 20+10							
ROUTE:	_								
SIZE:	1	12"							
TYPE:	С	MP							
		RECORD	OF INSPECTION				CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTA	TIONS	DATE		ACTION TAKEN		BY:
INLET	_	Minor sediment							
OUTLET		Completely buri	ied						
BARREL		Moderate sedim	nent						
DEBRIS		Sediment							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	,	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	APPROVED:, Roadmaster / Officer In Charge					APPROVED	):Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use addit	tional sheets as required:		

				Nevada Commission	for Reconstr	ruc	ction of the V&T Railwa	ay		
				CULVERT	INSPEC	T	TION REPORT			
				Inspection Date:	1/31/2024	_		Pictures		
CULVER				Sheet 13						
MILEPOST:	9.	79			сомм	IEN	NTS		7	
ENG'S STATION:	"VCs"	706+00				<u> </u>			=	
ROUTE:										
SIZE:	3	6"								
TYPE:	CI	MP								
		RECORD	OF IN	ISPECTION			C	CORRECTIVE ACTION TAI	(EN	
COMPONENT	CONDITION			NOTATIONS	DATE	Ţ		ACTION TAKEN		BY:
INLET		Good				$\downarrow$				
OUTLET		Good				$\downarrow$				
BARREL		Good				_				
DEBRIS		Good				$\perp$				
VEGETATION		Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D. E	dgington Signature	3	Culver	t Inspector			BY:	Signature	_, Foreman	
APPROVED:	Signature is required:	,	Roadm	naster / Officer In Charge			APPROVED Use additi	:	_ , Roadmaster / Officer In Charge	

			Nevada Commi	ission for 1	Reconstru	ction of the V&T Railwa	У		
			CULV	ERT IN	<b>ISPEC</b>	TION REPORT			
			Inspection Date:	1/3	1/2024		Pictures:		
CULVE	RT DATA		Sheet	13					
MILEPOST:	9	.48			COMME	NTS			
ENG'S STATION:	"VCs" LT '	"A21" 10+98							
ROUTE:									
SIZE:	1	12"							
TYPE:	с	MP							
		RECORD O	DF INSPECTION		1	C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Minor sediment							
OUTLET		Minor sediment							
BARREL		Minor sediment							
DEBRIS		Sediment							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D.</u>	Edgington Signature	, C	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	APPROVED:, Roadmaster / Officer In Charge Signature					APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Use additional sheets as required:					Use addition	onal sheets as required:		

			Ν	evada Commission for	Reconstru	uction of the V&T Railwa	ny		
				CULVERT IN	<b>NSPEC</b>	ΓΙΟΝ REPORT			
				Inspection Date: 1/3	31/2024		Pictures:		
				Sheet 13			_		
CULVER									
MILEPOST:	9.	43			COMME	NTS			
ENG'S STATION:	"VCs"	687+00							
ROUTE:									
SIZE:	1	8"							
TYPE:	С	MP							
		RECORD (	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Major sediemnt							
OUTLET		Major sediemnt							
BARREL		Major sediment							
DEBRIS		Sediment			_				
VEGETATION		Good			_				
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. E	Edgington Signature	, (	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	APPROVED:, Roadmaster / Officer In Charge					APPROVED	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additi	onal sheets as required:		

			Nevada Commissio	on for Reconstru	uction of the V&T Railwa	у		
			CULVER	T INSPEC	FION REPORT			
			Inspection Date:	1/31/2024		Pictures:		
			Sheet 13			_		
CULVE	RT DATA		·					
MILEPOST:	9	.26		COMME	NTS			
ENG'S STATION:	"VCs" LT	"ТК" 6+92						
ROUTE:								
SIZE:	1	2"						
TYPE:	с	MP						
		RECORD O	DF INSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Major sediemnt						
OUTLET		Major sediemnt						
BARREL		Major sediment						
DEBRIS		Sediment						
VEGETATION		Good						
RIP RAP		NA						
HEADWALL		NA						
DITCH/CHANNEL		Good						
STRUCTURE		Good						
TRACK ABOVE		Good						
BALLAST ABOVE		Good						
OTHER								
BY: J. Koch / D.	Edgington Signature	, C	Culvert Inspector		BY:	Signature	, Foreman	
APPROVED:	APPROVED:, Roadmaster / Officer In Charge Signature				APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Use additional sheets as required:				Use addition	onal sheets as required:		

			11	Nevada Commission for	Reconstru	uction of the V&T Railwa	Ŋ		
				CULVERT I	NSPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1	31/2024		Pictures:		
				Shoot 12			_		
CULVE	RT DATA								
MILEPOST:	9.	14			COMME	NTS			
ENG'S STATION:	"VCs"	672+00							
ROUTE:									
SIZE:	3	0"							
TYPE:	С	MP							
		RECORD (	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Minor sediment	t						
OUTLET		Minor sediment	t						
BARREL		Minor sediment	t						
DEBRIS		Sediment							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. I</u>	Edgington Signature	, (	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	Signature	, F	Roadmaster / Officer In Charge			APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additi	onal sheets as required:		

	Nevada Commission for Re	econstru	ruction of the V&T Railway	
	CULVERT INS	PECT	CTION REPORT	
	Inspection Date: 1/31/2	2024	Pictures:	
CULVERT DATA	Sheet 13			
MILEPOST: 8.98		COMME	IENTS	
ENG'S STATION: "VCs" LT "CY" 10+1	+12	COMME		
ROUTE:				
SIZE: 24"				
TYPE: RCP				
RECO	CORD OF INSPECTION		CORRECTIVE ACTION TAKEN	
COMPONENT CONDITION	NOTATIONS	DATE	ACTION TAKEN	BY:
INLET Minor sed	ediment			
OUTLET Minor sed	ediment			
BARREL Minor sed	ediment			
DEBRIS Sediment	nt			
VEGETATION Good				
RIP RAP NA				
HEADWALL NA				
DITCH/CHANNEL Good				
STRUCTURE Good				
TRACK ABOVE Good				
BALLAST ABOVE Good				
OTHER				
BY: J. Koch / D. Edgington Signature	, Culvert Inspector		BY:, Foreman,	
APPROVED:	, Roadmaster / Officer In Charge		APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:	

			Nevada Commission	for Reconstru	uction of the V&T Railwa	у		
			CULVERT	INSPEC	TION REPORT			
			Inspection Date:	1/31/2024		Pictures:		
CULVE	RT DATA		Sneet13					
MILEPOST:	8.	91		COMME	ENTS			
ENG'S STATION:	"VCs"	659+36						
ROUTE:								
SIZE:	2	4"						
TYPE:	C	MP						
		RECORD O	DF INSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Minor sediment						
OUTLET		Minor sediment						
BARREL		Minor sediment						
DEBRIS		Sediment						
VEGETATION		Good						
RIP RAP		NA						
HEADWALL		NA						
DITCH/CHANNEL		Good						
STRUCTURE		Good						
TRACK ABOVE		Good						
BALLAST ABOVE		Good						
OTHER								
BY: J. Koch / D. E	Edgington Signature	, C	Culvert Inspector		BY:	Signature	, Foreman	
APPROVED:	Signature	, R	Roadmaster / Officer In Charge		APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	as required:				Use additio	onal sheets as required:		

				Nevada Commission for R	econstru	uction of the V&T Railwa	У		
				CULVERT INS	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/31/	2024		Pictures:		
				Sheet 13					
CULVER	RT DATA								
MILEPOST:	8.	81			COMME	INTS			
ENG'S STATION:	"VCs"	654+46							
ROUTE:									
SIZE:	1	8"							
TYPE:	С	MP							
		RECORD	OF IN	ISPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Minor sediment							
OUTLET		Minor sediment							
BARREL		Minor sediment							
DEBRIS		Sediment							
VEGETATION		Moderate vegita	ation on	n inlet					
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. E</u>	dgington Signature	,	Culver	t Inspector		BY:	Signature	, Foreman	
APPROVED:		,	Roadm	naster / Officer In Charge		APPROVED:		, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use addition	Signature onal sheets as required:		

			Nevada Co	ommission for	Reconstru	iction of the V&T Railwa	y		
			CU	LVERT IN	<b>ISPEC</b>	ΓΙΟΝ REPORT			
			Inspection	Date: 1/3	31/2024		Pictures:		
CULVE			Sheet	13					
MILEPOST:	8	.72			COMME	NTS			
ENG'S STATION:	"VCs"	649+50							
ROUTE:									
SIZE:	1	2"							
TYPE:	С	MP							
		RECORD C	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Moderate sedime	ent		_				<b></b>
OUTLET		Minor sediment							
BARREL		Minor sediment							
DEBRIS		Sediment							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D.</u>	Edgington Signature	, C	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:		, F	Roadmaster / Officer In Charge			APPROVED:		, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additi	Signature onal sheets as required:		

				Nevada Commissio	on for Reconstr	uction (	of the V&T Railwa	ay		
				CULVER	T INSPEC	TION	N REPORT			
				Inspection Date:	1/31/2024			- Picture:	5.	
CULVER	RT DATA			Sneet13						
MILEPOST:	8	.5			СОММ	ENTS				
ENG'S STATION:	"VCs"	638+72								
ROUTE:										
SIZE:	1	2"								
TYPE:	C	MP								
		RECORD (	OF INSPECTION				C	CORRECTIVE ACTION TA	KEN	
COMPONENT	CONDITION		NOTA	TIONS	DATE			ACTION TAKEN		BY:
INLET		Minor sediment								
OUTLET		Moderate sedime	ient							
BARREL		Minor sediment								
DEBRIS		Sediment								
VEGETATION		Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: <u>J. Koch / D. E</u>	Edgington Signature	, (	Culvert Inspector				BY:	Signature	, Foreman	
APPROVED:		, F	Roadmaster / Officer In Cl	narge			APPROVED	:	, Roadmaster / Officer In Charge	
Use additional sheets a	Signature Signat						Use additi	Signature ional sheets as required:		

				Nevada Commission fo	or Reconstr	uction of the V&T Railwa	ny		
				CULVERT	<b>NSPEC</b>	TION REPORT			
				Inspection Date:	1/31/2024		Pictures:		
CULVE	RT DATA			Sheet 13					
MILEPOST:	8	46			COMME	INTS			
ENG'S STATION:	"VCs"	635+89							
ROUTE:									
SIZE:	1	8"							
TYPE:	CI	MP							
		RECORD	OF IN	ISPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. E</u>	Edgington Signature	,	Culver	t Inspector		BY:	Signature	, Foreman	
APPROVED: Use additional sheets	Signature as required:	,	Roadm	naster / Officer In Charge		APPROVED Use additi	: Signature onal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission for R	Reconstru	uction of the V&T Railway	y		
				CULVERT IN	SPEC	<b>FION REPORT</b>			
				Inspection Date: 1/31.	/2024		Pictures:		
				Sheet 13					
CULVE	RT DATA								
MILEPOST:	8	.16			СОММЕ	INTS			
ENG'S STATION:	"VCs"	620+11							
ROUTE:									
SIZE:	1	8"							
TYPE:	С	MP							
		RECORD	OF IN	ISPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Moderate sedin	nent						
OUTLET		Moderate sedin	nent						
BARREL		Moderate sedin	nent						
DEBRIS		Sediment							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. F</u>	Edgington Signature	3	Culver	rt Inspector		BY:	Signature	, Foreman	
APPROVED:		,	Roadr	naster / Officer In Charge		APPROVED:		, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additio	Signature onal sheets as required:		

				Nevada Commission fo	r Reconstru	uction of the V&T Railwa	ay		
				CULVERT I	NSPEC	ΓΙΟΝ REPORT			
				Inspection Date:	/31/2024		Pictures:		
CULVER	RT DATA			Sheet 13					
MILEPOST:	8.	16			COMME	INTS			
ENG'S STATION:	"VCs"	614+50							
ROUTE:									
SIZE:	3	6"							
TYPE:	C	MP							
		RECORD	OF INSPECTION			C	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATION	S	DATE		ACTION TAKEN		BY:
INLET		Moderate sedim	nent						
OUTLET		Moderate sedim	nent						
BARREL		Moderate sedim	nent						
DEBRIS		Sediment							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. E	Edgington Signature		Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	Signature	,	Roadmaster / Officer In Charge			APPROVED	:Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additi	ional sheets as required:		

				Nevada Con	nmission for	Reconstru	ction of the V&T Railwa	ny		
				CUL	VERT IN	<b>NSPEC</b>	TION REPORT			
				Inspection Da	ite: 1/3	31/2024		Pictures:		
				Chaot				_		
CULVER	RT DATA			Sheet	15					
MILEPOST:	8.	05				COMME	NTS			
ENG'S STATION:	"VCs"	614+03								
ROUTE:										
SIZE:	3	6"								
TYPE:	C	MP								
		RECORD	OF INSPECTI	ON			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Moderate sedim	ent			_				
OUTLET		Moderate sedim	ent							
BARREL		Moderate sedim	ent							
DEBRIS		Sediment				_				
VEGETATION		Minor								
RIP RAP		NA								
HEADWALL		NA				_				
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D. E	Edgington Signature	, (	Culvert Inspector				BY:	Signature	, Foreman	
APPROVED:	Signaturo	, I	Roadmaster / Of	ficer In Charge			APPROVED:	Signature	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:						Use additi	onal sheets as required:		

				Nevada Commission for R	Reconstru	uction of the V&T Railway	y		
				CULVERT IN	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/31	/2024		Pictures:		
CULVER	RT DATA			Sheet 13					
MILEPOST:	7.	95			СОММЕ	NTS			
ENG'S STATION:	"VCs"	609+00							
ROUTE:									
SIZE:	1	2"							
TYPE:	CI	MP							
		RECORD	OF IN	ISPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Moderate sedim	nent						
OUTLET		Moderate sedim	nent						
BARREL		Moderate sedim	nent						
DEBRIS		Sediment							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. E</u>	dgington Signature	,	Culver	t Inspector		BY:	Signature	, Foreman	
APPROVED:		,	Roadn	naster / Officer In Charge		APPROVED:		, Roadmaster / Officer In Charge	
Use additional sheets a	Signature as required:					Use additio	Signature nal sheets as required:		

			Nevad	la Commission for	Reconstru	iction of the V&T Railwa	y		
				CULVERT IN	<b>ISPEC</b>	FION REPORT			
			Inspe	ection Date: 1/3	1/2024		Pictures:		
			Shoo	 t 12			_		
CULVE	RT DATA		Shee	si 13					
MILEPOST:	7.	71			COMME	NTS			
ENG'S STATION:	"VCs"	596+50							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD C	DF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Minor sediment							
OUTLET		Minor sediment							
BARREL		Minor sediment							
DEBRIS		Sediment							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. E</u>	Edgington Signature	, C	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:	Cignoture	, R	Roadmaster / Officer In Charge			APPROVED:	Cignoturo	, Roadmaster / Officer In Charge	
Use additional sheets	Signature Use additional sheets as required:					Use additi	onal sheets as required:		

			Ν	levada Commission for	Reconstru	uction of the V&T Railwa	ay		
				CULVERT IN	<b>NSPEC</b>	FION REPORT			
				Inspection Date: 1/3	31/2024		Pictures:		
				Sheet 13			_		
CULVER									
MILEPOST:	7.	66			COMME	NTS			
ENG'S STATION:	"VCs" LT	"TZ" 9+87							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD C	OF INSPECTION			C	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Moderate sedime	ent						
OUTLET		Moderate sedime	ent						
BARREL		Moderate sedime	ent						
DEBRIS		Sediment							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. E</u>	Edgington Signature	, C	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:		, R	Roadmaster / Officer In Charge			APPROVED	:	, Roadmaster / Officer In Charge	
Use additional sheets	Signature, Roadmaster / Onicer in charge Use additional sheets as required:					Use additi	Signature ional sheets as required:		

			١	Nevada Commission for	r Reconstru	uction of the V&T Railwa	ny		
				CULVERT I	NSPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1	/31/2024		Pictures:		
CULVER	RT DATA			Sheet 13					
MILEPOST:	7.	62			СОММЕ	INTS			
ENG'S STATION:	"VCs"	591+50							
ROUTE:									
SIZE:	1	2"							
TYPE:	C	MP							
		RECORD C	OF INSPECTION			C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Minor sediment							
OUTLET		Minor sediment							
BARREL		Minor sediment							
DEBRIS		Sediment							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. E</u>	dgington Signature	, C	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:		, R	Roadmaster / Officer In Charge			APPROVED		, Roadmaster / Officer In Charge	
Use additional sheets a	Signature Signature: Use additional sheets as required:					Use additi	Signature onal sheets as required:		

				Nevada Commission fo	r Reconstru	uction of the V&T Railwa	ay		
				CULVERT I	NSPEC	ΓΙΟΝ REPORT			
				Inspection Date:1	/31/2024		Pictures:		
CULVE	RT DATA			Sheet 13					
MILEPOST:	7	.54			СОММЕ	NTS			
ENG'S STATION:	"VCs"	587+37							
ROUTE:									
SIZE:	4	12"							
TYPE:	с	MP							
		RECORD	OF INSPECTION			(	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION		NOTAT	TIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Minor							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	ı	Culvert Inspector			BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED Use addit	:	, Roadmaster / Officer In Charge	

				Nevada Commission for R	leconstru	uction of the V&T Railway			
				CULVERT IN	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/31/	/2024		Pictures:		
					2021				
CULVE	RT DATA			Sheet 13					
MILEPOST:	7.	.45			COMME	NTS			
ENG'S STATION:	"VCs"	582+50							
ROUTE:									
SIZE:	1	8"							
TYPE:	С	MP							
		RECORD	OF IN	NSPECTION		CO	RRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Major sediment	t						
BARREL		Good							
DEBRIS		Good							
VEGETATION		Moderate vegit	ation						
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. F</u>	Edgington Signature	. ,	Culver	rt Inspector		BY:	Signature	, Foreman	
APPROVED:	Ciarrata	,	Roadr	naster / Officer In Charge		APPROVED:	Cimedan	, Roadmaster / Officer In Charge	
Signature Use additional sheets as required:						Use additiona	Signature al sheets as required:		

				Nevaua Commission for R	leconstru	iction of the v&1 Rallway	7		
				CULVERT IN:	SPECT	ΓΙΟΝ REPORT			
				Inspection Date: 1/31/	/2024		Pictures:		
CULVEF	RT DATA			Sheet 13					
	7	.4			COMME	NTS			
	"VCs"	580+79							
		0.11							
	1	2							
		WP							
		DECODD		ISPECTION		0		NI	
COMPONENT	CONDITION	RECORD		NOTATIONS	DATE		ACTION TAKEN	IN	BY
	CONDITION	Good		Nontriene	BATE		Action Malen		51.
OUTLET		Maior sediment							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Moderate vegita	ation						
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. Edgington, Culvert Inspector Signature						BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED: Use additio	Signature nal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Con	mmission for	Reconstru	ction of the V&T Railwa	ay		
				CUI	LVERT IN	ISPEC	TION REPORT			
				Inspection D	0ate: 1/3	1/2024		Pictures:		
CULVE	RT DATA			Sheet	13					
MILEPOST:	6	6.7				СОММЕ	NTS			
ENG'S STATION:	"VCs"	540+50								
ROUTE:										
SIZE:	1	18"								
TYPE:	н	DPE								
		RECORD	OF INSPECTIO	N			(	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good								
OUTLET		Good								
BARREL		Good								
DEBRIS		Good								
VEGETATION		Good								
RIP RAP		NA								
HEADWALL		NA								
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D.	Edgington Signature		, Culvert Inspector				BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:							APPROVED Use addit	:	, Roadmaster / Officer In Charge	

				Nevada Commission for	or Reconstr	ruction of the V&T Rail	way		
				CULVERT	INSPEC'	TION REPORT			
				Inspection Date:	1/31/2024		Pictures:		
CULVEF	RT DATA			Sheet 13					
MILEPOST:	6	55			СОММЕ	ENTS		]	
ENG'S STATION:	"VCs"	535+50							
ROUTE:									
SIZE:	1	8"							
TYPE:	CI	MP							
		RECORD	OF IN	SPECTION			CORRECTIVE ACTION TAKE	EN	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D. E</u>	Edgington Signature	,	Culver	t Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Use additional sheets as required:						APPROV Use ad	ED:Signature dditional sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission for 1	Reconstru	iction of the V&T Railway	7		
				CULVERT IN	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/3	1/2024		Pictures:		
CULVE	RT DATA			Sheet 13					
	6	21			COMME	NTS			
ENG'S STATION:	"VCs"	517+00							
ROUTE:									
SIZE:	1	8"							
TYPE:	С	MP							
		RECORD	OF IN	NSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D.	Edgington Signature	,	Culver	rt Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED: _ Use additio	Signature nal sheets as required:	, Roadmaster / Officer In Charge	

			ľ	Nevada Commission for	Reconstru	uction of the V&T Railwa	ny		
				CULVERT IN	ISPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/3	31/2024		Pictures:		
				Sheet 13			_		
CULVE	RT DATA								
MILEPOST:	5.	.88			COMME	NTS			
ENG'S STATION:	"VCs"	499+83							
ROUTE:									
SIZE:	1	8"							
TYPE:	C	MP							
		RECORD (	OF INSPECTION			(	CORRECTIVE ACTION TAKE	EN	
COMPONENT	CONDITION		NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Minor sediment	t		_				
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Minor vegitation	n						
RIP RAP		NA							
HEADWALL		NA			_				
DITCH/CHANNEL		Good			_				
STRUCTURE		Good			_				
TRACK ABOVE		Good			_				
BALLAST ABOVE		Good			_				
OTHER					_				
BY: J. Koch / D. Edgington , Culvert Inspector Signature						BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature						APPROVED	:Signature	, Roadmaster / Officer In Charge	
Use additional sheets as required:						Use additi	ional sheets as required:		

				Nevada Commission for	Reconstru	iction of the V&T Railwa	у		
				CULVERT I	NSPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/	31/2024		Pictures:		
CULVEF				Sheet 13					
MILEPOST:	5	.6			СОММЕ	NTS			
ENG'S STATION:	"VCs"	485+00							
ROUTE:									
SIZE:	1	8"							
TYPE:	CI	MP							
		RECORD	OF IN	ISPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: J. Koch / D. E	dgington Signature	,	Culver	t Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED: Use additio	Signature onal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission for 1	Reconstru	iction of the V&T Railway	7		
				CULVERT IN	SPEC	ΓΙΟΝ REPORT			
				Inspection Date: 1/31	/2024		Pictures:		
CULVE	RT DATA			Sheet 13					
MILEPOST:	5	44			COMME	NTS			
ENG'S STATION:	"VCs"	476+50							
ROUTE:									
SIZE:	1	8"							
TYPE:	C	MP							
		RECORD	OF IN	NSPECTION		C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE		ACTION TAKEN		BY:
INLET		Good							
OUTLET		Good							
BARREL		Good							
DEBRIS		Good							
VEGETATION		Good							
RIP RAP		NA							
HEADWALL		NA							
DITCH/CHANNEL		Good							
STRUCTURE		Good							
TRACK ABOVE		Good							
BALLAST ABOVE		Good							
OTHER									
BY: <u>J. Koch / D.</u>	Edgington Signature	,	Culver	rt Inspector		BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:						APPROVED: _ Use additio	Signature nal sheets as required:	, Roadmaster / Officer In Charge	

				Nevada	<b>Commission for</b>	Reconstru	uction of the V&T Railwa	ay		
				С	CULVERT IN	ISPEC	ΓΙΟΝ REPORT			
				Inspect	ion Date: 1/3	31/2024		Pictures:		
CULVE	RT DATA			Sheet_	13					
MILEPOST:	4	.99				СОММЕ	NTS			
ENG'S STATION:	"VCs"	453+00								
ROUTE:										
SIZE:	1	18"								
TYPE:	с	MP								
		RECORD	OF INSF	PECTION			(	CORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS		DATE		ACTION TAKEN		BY:
INLET		Good				_				
OUTLET		Good				_				
BARREL		Good				_				
DEBRIS		Good				_				
VEGETATION		Good				_				
RIP RAP		NA								
HEADWALL		NA				_				
DITCH/CHANNEL		Good								
STRUCTURE		Good								
TRACK ABOVE		Good								
BALLAST ABOVE		Good								
OTHER										
BY: J. Koch / D.	Edgington Signature		Culvert In	spector			BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:							APPROVED Use addit	: Signature ional sheets as required:	, Roadmaster / Officer In Charge	

				Nevada Commission	n for Reconst	ru	ction of the V&T Railwa	y		
				CULVER	Г INSPEC	T	TION REPORT			
				Inspection Date:	1/31/2024			Pictures:		
CULVE	RT DATA			Sheet 13						
MILEPOST:	4	.76			СОММ		NTS			
ENG'S STATION:	"VCs"	441+00								
ROUTE:										
SIZE:	1	8"								
TYPE:	с	MP								
		RECORD	OF IN	ISPECTION		_	C	ORRECTIVE ACTION TAKE	N	
COMPONENT	CONDITION			NOTATIONS	DATE	_		ACTION TAKEN		BY:
INLET		Good				$\downarrow$				
OUTLET		Good				_				
BARREL		Good				_				
DEBRIS		Good				_				
VEGETATION		Good				_				
RIP RAP		NA				4				
HEADWALL		NA				_				
DITCH/CHANNEL		Good				_				
STRUCTURE		Good				$\downarrow$				
TRACK ABOVE		Good				$\downarrow$				
BALLAST ABOVE		Good				$\downarrow$				
OTHER										
BY: J. Koch / D.	Edgington Signature		Culver	t Inspector			BY:	Signature	, Foreman	
APPROVED:, Roadmaster / Officer In Charge Signature Use additional sheets as required:							APPROVED: Use additio	Signature nal sheets as required:	, Roadmaster / Officer In Charge	

## V&T RAILWAY CROSSING INSPECTION CHECKLIST 2023-2024

	Crossing #	Milepost	Engineer's Station	Route	Notes	Date Checked	Is Maintenance Recommended	Description of Recommended Maintenance
1.	929-463T	5.40	"VCs" 474+70	PR	Good Condition	2/1/24	Ν	Lyon County Road
2.	929-464A	6.53	"VCs" 534+00	HT	Good Condition	2/1/24	Y	Clear flangeways (routine task)
3.	928-465G	7.67	"VCs" 594+05	ΤZ	Good Condition	2/1/24	Y	Clear flangeways (routinetask) Planks at RT side approach need shouldered with base
4.	929-050V	8.26	"VCs" 625+48	LH	Good Condition	2/1/24	Y	Clear flangeways (routine task)
5.	929-466N	8.99	"VCs" 664+00	CY	Good Condition	2/1/24	Y	Clear flangeways (routine task)
6.	929-467V	9.26	"VCs" 678+26	тк	Good Condition	2/1/24	Y	Clear flangeways (routine task)
7.	929-468C	9.48	"VCs" 689+53	A21	Good Condition	2/1/24	Y	Clear flangeways (routine task)
8.	929-469J	9.89	"VCs" 711+18	BC	Good Condition	2/1/24	Ν	
9.	929-470D	10.75	"VCs" 756+42	A9	Good Condition	2/1/24	Y	Aggregate base approach ramps need built up flush with planks both sides of crossing
10.	929-471K	11.79	"VCs" 811+85	A6	Good Condition	2/1/24	Y	Planks both side approach need shouldered with base
11.	929-472S	13.27	"VCs" 889+72	A4	Good Condition	2/1/24	N	
12.	929-473Y	14.04	"VCs" 930+52	A3	Good Condition	2/1/24	Y	Clear flangeways (routine task) Lyon County Road
13.	929-474F	14.51	"VCs" 955+30	A2	Good Condition	2/1/24	Y	Aggregate base approach ramps need built up flush with planks both sides of crossing
14.	929-475M	14.73	"VCs" 966+90	A1	Good Condition	2/1/24	Y	Planks at RT side approach need shouldered with base
15.	929-476U	16.15	"VT" 52+81	Private	Good Condition	2/1/24	N	
16.	929-477B	16.65	"VT2" 83+36	Gold Hill NA	Good Condition	2/1/24	N	

## Additional Notes:

Signature

All crossings were found to be in good condition with no immediate maintenance work needed. Most flangeways contained at least minor dirt accumulation. All flangeways will be cleared prior to train operations. Basic components and signage for the crossings are inspected during routine track inspections and flangeways are cleared regularly by Willaman.

Inspected by

Chartock

Date: 1/31/2024
	2013 MAJOR SLOPE INSPECTION												
						Phase 3A			Page 1 of 3				
Milepost Start	Engineer's Station Start	Milepost End	Engineer's Station End	Side	Date Checked	Maintenance Recommendation/Defect by code)	(Defect identified	Corrective Action Needed	Description				
4.631	VCs 434+00	5.238	VCs 436+50	LT	1/31/2024	Minor rock debris		Clean out rock					
4.631	434+00	5.238	436+50	RT	1/31/2024	Minor rock debris		Clean out rock					
4.825	444+25	5.056	450+50	LT	1/31/2024	Minor rock debris		Clean out rock					
5.15	445+50	5.154	448+30	RT	1/31/2024								
5.428	457+00	5.324	462+50	LT	1/31/2024								
5.011	479+00	5.082	484+00	LT	1/31/2024	Minor slope sediment		Clean out sediment					
5.011	479+00	5.082	484+00	RT									
	Phase 2C												
5.63	VCs 486+50	5.816	496+30	LT	1/31/2024								
5.636	486+80	5.806	495+80	RT	1/31/2024	Minor slope sediment		Clean out sediment					
6.473	531+00	6.529	534+00	LT	1/31/2024								
6.473	531+00	6.529	534+00	RT	1/31/2024								
6.568	536+00	6.966	557+00	RT	1/31/2024								
6.664	540+00	6.815	549+00	LT	1/31/2024	Moderate vegitation		Cut back vegitation					
6.815	549+00	7.004	559+00	LT	1/31/2024								
7.004	559+00	7.112	564+70	LT	1/31/2024								
7.004	559+00	7.116	564+90	RT	1/31/2024								
7.334	577+00	7.401	580+00	LT	1/31/2024								
9.012	665+00	9.05	667+00	LT	1/31/2024								
9.378	684+30	9.429	687+00	LT	1/31/2024								
9.378	684+30	9.429	687+00	RT	1/31/2024								
9.542	693+00	9.618	697+00	LT	1/31/2024	Minor rock debris		Clean out rocks					
9.836	708+50	9.882	710+90	LT	1/31/2024								
9.895	711+60	10.017	718+00	LT	1/31/2024								
10.055	720+00	10.154	725+25	LT	1/31/2024	Minor rock debris		Clean our rocks					
10.073	721+00	10.149	725+00	RT	1/31/2024	Moderate rock debris		Clean out rocks					
10.291	732+50	10.343	735+25	LT	1/31/2024								
10.282	732+00	10.342	734+25	RT	1/31/2024								
10.414	739+00	10.476	742+25	LT	1/31/2024	Slope failure between Sta 739-740		Remove loose material and monito	r				
10.803	759+50	10.935	766+50	LT	1/31/2024								
10.803	759+50	10.935	766+50	RT	1/31/2024								

						Phase 2A-2B		Page 2 of 3
Milepost Start	Engineer's Station Start	Milepost End	Engineer's Station End	Side	Date Checked	Maintenance Recommendation/Defect (Defect identified by code)	Corrective Action Needed	Description
11.653	VCs 803+75	11.222	VCs 808+00	LT	1/31/2024	Minor rock debris. Netting is intact	Clean out rocks	
11.653	803+75	11.222	808+00	RT	1/31/2024			
12.016	823+50	12.092	827+50	LT	1/31/2024	Minor rock debris	Clean out rocks	
12.016	823+50	12.092	827+50	RT	1/31/2024	Minor rock debris	Clean out rocks	
12.134	829+75	12.215	834+00	LT	1/31/2024	Minor rock debris	Clean out rocks	
12.134	829+75	12.215	834+00	RT	1/31/2024	Minor rock debris	Clean out rocks	
12.363	841+85	12.518	850+00	LT	1/31/2024	Moderate rock debris	Clean out rocks	
13.096	880+50	13.172	884+50	LT	1/31/2024	Moderate rock debris	Clean out rocks and scale slope	
13.096	880+50	13.172	884+50	RT	1/31/2024			
13.285	890+50	13.380	895+50	LT	1/31/2024	Minor rock debris	Clean out rocks	
13.285	890+50	13.380	895+50	RT	1/31/2024			
13.664	910+50	13.745	914+75	LT	1/31/2024			
13.664	910+50	13.745	914+75	RT	1/31/2024	Minor rock debris	Clean out rocks	
13.853	920+50	13.915	923+75	LT	1/31/2024	Minor rock debris	Clean out rocks	
13.853	920+50	13.915	923+75	RT	1/31/2024	Minor rock debris	Clean out rocks	
14.839	972+50	14.920	976+75	LT	1/31/2024	Moderate rock debris	Clean out rocks and scale slope	
14.839	972+50	14.920	976+75	RT	1/31/2024	Minor rock debris	Clean out rocks	

						Phase 2A-2B continued		Page 3 of 3			
Milepost Start	Engineer's Station Start	Milepost End	Engineer's Station End	Side	Date Checked	Maintenance Recommendation/Defect (Defect identified by code)	Corrective Action Needed	Description			
14.991	980+50	15.076	985+00	LT	1/31/2024	Minor rock debris	Clean out rocks				
14.991	980+50	15.076	985+00	RT	1/31/2024	Minor rock debris	Clean out rocks				
15.275	995+50	15.327	998+25	LT	1/31/2024	Minor rock debris	Clean out rocks				
15.275	995+50	15.327	998+25	RT	1/31/2024						
					1/31/2024						
15.387	VT 11+50	15.428	VT 13+70	LT	1/31/2024						
15.387	VT 11+50	15.428	VT 13+70	RT	1/31/2024						
15.432	VT13+90	15.601	VT 22+80	LT	1/31/2024						
15.429	VT 13+70	15.601	VT 22+80	RT	1/31/2024						
15.643	VT 25+00	15.722	VT 29+20	LT	1/31/2024						
16.016	VT 44+70	16.160	VT 52+30	LT	1/31/2024						
16.04	VT 46+00	16.139	VT 51+20	RT	1/31/2024						
16.368	VT63+30	16.491	VT 69+80	LT	1/31/2024						
16.366	VT 63+20	16.523	VT 71+50	RT	1/31/2024						
16.608	C 16+20	NA	C35+03	LT	1/31/2024						

Signed:

Date: January 31, 2024

	V&T RA	ILWAY M	SE RETA	AINING W	ALL INSF	PECTION FC	DRM			
Structure: Project No: Year Built: Date Inspected: Inspector(s):	Overman R8225-06- 2005 4/12/24 Jim Koch	<b>Pit Fill</b> -58								
Location: Storey Gold I	/ County, NV Hill Area	Lat. Long.	35° 17' 1( -119° 39'	).35" 40.78"	Approxim	ate Center of N	ISE Wall			
Wall Construction	Туре:	Rockery	MSE X	Wood	CMU	Segmental CM	1U			
Begin Station	VCs	NA		Approx. M	ile Post	16.286 Le	ft			
End Station	VCs	NA		Approx. M	ile Post	16.234 Le	ft			
Condition Code	es (0= Worst	→ 9=Best)		Notes						
1. Safety Walks:			8	Excess ballas	st scattered a	cross walkway path	S			
2. Railing/Barrier		9	9 Railings appear to be plumb and footings firmly in place.							
3. Materials			all welds app	ear to be intac	ct and overall railing	g is sound.				
Concr	Concrete									
Steel	Reinforcement		8	Reinforceme	nt is weathere	d but intact				
Wood										
Pocke										
Orest	i y			-						
Grout										
Backf	11		8	Backfill of wa Minor indicati	ll is in place, s ons of migrati	signs of embankme on of backfill throug	nt settlement apparent. gh wall.			
4. Footing/Toe			9	Footing intac	t with no appa	rent signs of move	ment.			
5. Top of Wall			9	1						
ADDITIONAL CON Continued monitori	DDITIONAL COMMENTS AND NOTES ontinued monitoring of embankment for settlement or movement is recommended.									
Defect Description	n:			Defect Lo	cation:					
Required Action(s Required Notificat	): ions:	Signed:	Cha	how		Date:	April 12, 2024			

	V&T RA		UNNEL IN	SPECTIC		Л		
WOOD R		ERS		Structure: Project No Year Built Date Inspe Inspector	o: : ected: (s):	<b>Tunnel No.</b> 4414001 2008 April 12, 202 Jim Koch	<b>2</b> 24	
Location: American Lyon Cour	Flat nty, NV	Lat. Long.	39° 15' 48. -119° 39' 2	31" 7.68	(Lat Long	approx. cente	er of tunnel)	
TUNNEL SEGMEN Tunnel Section Constructio	T NO. on Type:	1 X Cut and Cove	2 er	3	4	5	6	T
Begin Station End Station Length	VCs VCs	854+60 855+73 113 ft.		Approx. Mi Approx. Mi	ile Post ile Post	12.605 12.627		
Liner Type Portal Tunnel Width Tangent Curvature	orm Work C eet Steel, Cro Track Wt. Track Typ Ballast	onsisting of own form is e	f I Beam ar rolled 3/8 i 119# Jointed Class 4	nd Sheet Stee inch steel.	I			
Condition Codes	(0 = Wors	t→ 9 = Best	:)	Notes ar	nd Comn	nents		
1. Portal	9			Diches and tr	ack have ligh	t debris -		
2. Underside of Roof 3. Sidewalls	9							
Left	9							
Right Left	9 9							
5. Other								
Defect Description:	None			Defect Lo	cation:			
Required Action(s) : Required Notifications	Continue of tunnel t	monitoring a o cut and co	855+73 roof- over section.	- seepage c	bserved ov	ver past winte	rs at interface of	
	Signed :	4	ha for	8		Date :	October 21, 202	!2

V&T RA	ILWAY TI	JNNEL INS	SPECTIC		1		
	ERS	Structure: Project No: Year Built: Date Inspected: Inspector(s):			<b>Tunnel No</b> 4414001 2008 April 12, 20 Jim Koch	<b>5. 2</b> 024	
Location: American Flat Lyon County, NV	Lat. Long.	39° 15' 48.3 -119° 39' 27	1" .68	(Lat Long	approx. cen	ter of tunnel)	
TUNNEL SEGMENT NO. Tunnel Section Construction Type:	1 X Cut and Cove	2 er	3	4	5	6	
	854+60 855+70						
		1					
Signed :	G	afort			Date :	October 21, 202	2

	V&T RAI	LWAY TU	JNNEL IN	ISPECTIO				
		ERS		Structure Project N Year Built Date Insp Inspector	: o: t: ected: (s):	<b>Tunnel No.</b> 2892.208 2008 October 21, Jim Koch	<b>2</b> 2022	
Location: American Lyon Cou	Flat nty, NV	Lat. Long.	39° 15' 48 -119° 39' 2	.31" 27.68	(Lat. Long	. Approx. Ce	nter of Tunnel)	
		1	2	3	4	5	6	
TUNNEL SEGMEN	IT NO.		х					
Tunnel Section Construction	on Type:	Formed Cond	crete Liner					
Rock Type and Description	:	Meta-Andesit	te, highly to mo	derately fractu	red. Some thir	n quartz veining		
Begin Station	VCs	855+73		Approx. M	lile Post	12.627		
End Station	VCs	857+59		Approx. M	lile Post	12.662		
Length		186 ft						
Liner Type	Concrete A Beginning 16 feet Sta Crown rolle	Arch With F at 857+75 a. 856+68 to ed 3/8 in ste	orm Work ( I Beams ou o856+64 eel formwor	Consisting of tside of She Pt of tange k inside	of I Beam ar eet Steel. ent VCs 856	nd Sheet Stee Tunnel trans 5+64	el sitions from 18 to	
Portal Turned Width	*10 fact 1	C fa at	Tue els \A/4		440#			
	^18 feet- 1	6 feet	Track Wt.		119#			
Tangent	Beg. VCs 8	856+64	Track Typ	e	Jointed			
Curvature	10 Degree	S	Ballast		Class 4			
Condition Codes	(0= Worst-	→ 9=Best)		Notes a	nd Comm	nents		
1. Portal	NA			VCs Sta 8	56+90 to 85 water seep	57+36- bage at roof/\	wall transition	
2. Underside of Roof	9							
3. Sidewalls								
Right	9							
Left	9							
4. Footings								
Right	9							
Left	9							
5. Other								
Defect Description:	None			Defect Lo	cation:			
Required Action(s):	Continue r	nonitoring cut and co	855+73 roo over section	f- seepage ı.	observed o	ver past wint	ers at interface of	
<b>Required Notification</b>	s:							
	Signed:	4	harford			Date:	April 12, 2024	ł

	V&T RA	ILWAY TI		NSPECTI	ON FORM	1			
ωοσ		ERS		Structure: Project No: Year Built: 2 Date Inspected: 0 Inspector(s):			<b>Tunnel No. 2</b> 2892.208 2008 October 21, 2022 Jim Koch		
Location:	American Flat Lyon County, NV	Lat. Long.	39° 15' 48 -119° 39' 2	9.31" 27.68	(Lat. Long	. Approx. Ce	enter of Tunnel)		
TUNNEL Tunnel Sectic Rock Type an	SEGMENT NO. on Construction Type: d Description:	1 Formed Cond Meta-Andesit	2 X crete Liner te, highly to me	3 oderately fract	4 ured. Some thin	<b>5</b> n quartz veining	6		
	VCs Sta 8	56+90 to 85	57+36						
	Signed:	4	ha for			Date:	April 12, 2024		

	V&T RA	ILWAY TI	JNNEL IN	SPECTIC	ON FORM				
		ERS		Structure Project Ne Year Built Date Insp Inspector	: :: ected: (s):	<b>Tunnel No.</b> 4414001 2008 April 12, 20 Jim Koch	<b>2</b> 24		
Location: American Lyon Cou	Flat inty, NV	Lat. Long.	39° 15' 48. -119° 39' 2	31" ?7.68	(Lat. Long	. Approx. Ce	nter of Tunnel)		
		1	2	3	4	5	6		
TUNNEL SEGMEN	IT NO.			х					
Tunnel Section Construction	on Type:	Rock Bolts ar	nd Shotcrete		-			-	
Rock Type and Description	:	Meta-Andesit	e, highly to mo	derately fractu	red. Some thir	n quartz veining			
Begin Station	VCs	857+59		Approx. M	ile Post	12.662			
End Station	VCs	857+85		Approx. M	ile Post	12.667			
Length									
Liner Type       Rock bolts- Mostly No. 8 dwydag 10 foot epoxy cement, some split bolts         With 6 in nominal shotcrete over welded wire mesh and wire fence mesh         Bolting starts approximately 6 feet from floor- 5' by 5' pattern of 15 foot long epox         bolts approx. spingline to springline.         Portal									
Tunnol Width	16 feet		Track Wt		110#				
Tangont	IU IEEL Y		Track Typ	•	lointed				
Curvature	~		Rallast	C	Class 4				
			Buildot		01000 1				
Condition Codes	(0= Worst-	→ 9=Best)		Notes a	nd Comm	ients			
1. Portal	NA			No spalling Minimal ro	g observed ck (6"-12")	debris at left	footwall		
2. Underside of Roof	9								
3 Sidowalls									
Dight	Q								
Left	9								
4. Footings									
Right	9								
Left	9								
5. Other									
Defect Description	None			Defection	ootion				
Detect Description:	None			Defect Lo	cation:				
Required Action(s):	Observe fl	oor for any	rockfall and	crown for a	any spalling	of shotcrete	(Noted above)		
Required Notification	s:								
	Signed:	Chi	Hoel			Date:	April 12, 202	24	

	V&T R	AILWAY T	UNNEL II	NSPECTI	ON FORM	1		
ШОС		ERS		Structure Project N Year Buil Date Insp Inspector	: o: t: pected: r(s):	<b>Tunnel No. 2</b> 4414001 2008 April 12, 2024 Jim Koch		
Location:	American Flat Lyon County, NV	Lat. Long.	39° 15' 48 -119° 39'	3.31" 27.68	(Lat. Long	Approx. Center of Tunnel)		
		1	2	3	4	5	6	
TUNNEL	SEGMENT NO.			Х				
Tunnel Sectic Rock Type an	on Construction Type: Id Description:	Rock Bolts a Meta-Andes	and Shotcrete site, highly to m	oderately fract	ured. Some thi	n quartz veining		
Begin Station VCs End Station VCs Length		857+59 857+85 26 ft		Approx. N Approx. N	lile Post lile Post	12.662 12.667		
	VCs	857+59	minor roc	k debris and	d seepage			
			1 31	5 - 5 F		1		



857+75, Left

Signed:

Charlos C

Date:

April 12, 2024

	V&T RA	ILWAY TI	UNNEL IN	ISPECTI	ON FORM	Λ		
		ERS		Structure Project N Year Buil Date Insp Inspecto	): lo: lt: pected: r(s):	<b>Tunnel No</b> 4414001 2008 April 12, 20 Ji Koch	. <b>2</b> 024	
Location: American Lyon Cou	Flat Inty, NV	Lat. Long.	39° 15' 48 -119° 39' 2	.31" 27.68	(Lat. Long	J. Approx. Ce	enter of Tunnel)	
		1	2	3	4	5	6	
TUNNEL SEGMEN	IT NO.				Х		Į	
Tunnel Section Construction Rock Type and Description	on Type: เ:	Concrete Arc Meta-Andesi	ch without form ite, highly to mo	ו work on side oderately frac	walls.(Slip lined tured. Some th	d construction) iin quartz veinin	g	
Begin Station End Station Length	Begin StationVCs857+85End StationVCs858+45Length60 ftLiner TypeConcrete Arch			Approx. N Approx. N	/ile Post /ile Post	12.667 12.679		
Liner Type	Concrete .	Arch						
Portal Tunnel Width Tangent Curvature	NA 16 feet X		Track Wt. Track Typ Ballast	)e	119# Jointed Class 4			
Condition Codes	(0= Worst	t→ 9=Best)		Notes a	ind Comm	nents		
1. Portal	NA			VCs Sta 8	358+16, Left	t - Minor see	page	
2. Underside of Roof	9							
3. Sidewalls								
Right	9							
Left	9							
4. Footings Right	9							
Left	9							
5. Other								
Defect Description:	None			Defect Lo	ocation:			
Required Action(s):	Monitor S	eepage at V	/Cs Sta 858	+16 Left				
Required Notification	s:							
	Signed:	C/m.	hal			Date:	April 12, 202	:4

	V&T RA	AILWAY TU	JNNEL II	NSPECTIO		И		
ШОС		ERS		Structure Project N Year Built Date Insp Inspector	: o: :: ected: (s):	<b>Tunnel No. 2</b> 4414001 2008 April 12, 2024 Ji Koch		
Location:	American Flat Lyon County, NV	Lat. Long.	39° 15' 48 -119° 39'	3.31" 27.68	(Lat. Lon	g. Approx. Cei	nter of Tunnel)	
TUNNEL Tunnel Sectio Rock Type ar	SEGMENT NO. on Construction Type: nd Description:	1 Concrete Arcl Meta-Andesite	2 h without form e, highly to m	3 n work on side noderately fract	4 X walls.(Slip line ured. Some th	5 ed construction) nin quartz veining	6	
Begin Statior End Station Length	VCs VCs	857+85 858+45 60 ft		Approx. M Approx. M	ile Post ile Post	12.667 12.679		
		VCs Sta 88	58+16 Mine	or seepage				
		Transition f	from Segm	hent 3 to 4	A IV			
	Signed:	Chan	hock	_		Date:	April 12, 202	24

	V&T RAILWAY TUNNEL INSPECTION FORM							
		ERS		Structure Project N Year Buil Date Insp Inspector	: o: t: bected: r(s):	<b>Tunnel No.</b> 4414001 2008 April 12, 20 Jim Koch	2 24	
Location: American Lyon Cour	Flat nty, NV	Lat. Long.	39° 15' 48 -119° 39' 2	.31" 27.68	(Lat. Long	J. Approx. Ce	nter of Tunnel)	
		1	2	3	4	5	6	
TUNNEL SEGMEN	T NO.					Х		
Tunnel Section Constructio	n Type:	Rock Bolts ar	nd Shotcrete	<u></u>		-		
Rock Type and Description:		Meta-Andesit	te, highly to mo	derately fractu	ured. Some thi	n quartz veining		
						40.070		
Begin Station	VCs	858+46		Approx. IV	lile Post	12.679		
End Station	VCs	859+39		Approx. w	lile Post	12.695		
Length		93 π	1 40 feet a		lit bol			
Liner Type	Rock bolts- IV	lostly No. 8 dw	/ydag 10 toot e	poxy cement,	some split bor	ts, with 6 in nomi	inal shotcrete	
	OVEľ Welueu v Poltina starts	Mire mesn anu	WI'le tence the	Sh. Shotcrete	12 IN NOMINA there of 15 foot	first 15 reet each	n ena.	
	bolte annroxi	approximately mately eninglin	to springline	01-0 by 0 pa		long epoxy		
Portal		nately spinging	e to springime.					
Tunnel Width	16 feet		Track Wt.		119#			
Tangant	το του: <b>Χ</b>		Track Tyn		Jointed			
Curvature	~		Ballast	C	Class 4			
Condition Codes	(0= Worst-	→ 9=Best)		Notes a	nd Comn	nents	ight in rock holt mesh	
	11/1			V03 010 000	monitor addi	tional roof seepa		
2. Underside of Roof	9			Monitor seep	age area at in	terface with Segr	ment 6.	
2 Sidowalle								
J. Sluewalls Right	Q							
	9							
Lon	0							
4 Footings								
Right	9							
Left	9							
5. Other								
Defect Description:	None			Defect Lo	cation:			
Required Action(s):	Clean out	rock behind	l wire mesh	, continue t	o monitor ro	oof seepage		
<b>Required Notifications</b>	5:							
	Signed:	C/n.	afor			Date:	April 12, 2024	ł

V&T RAILWAY TUNNEL INSPECTION FORM						
	ERS		Structure Project N Year Buil Date Insp Inspector	: o: t: bected: r(s):	<b>Tunnel No</b> 4414001 2008 April 12, 20 Jim Koch	<b>). 2</b> )24
Location: American Flat Lyon County, NV	Lat. Long.	39° 15' 48 -119° 39' 2	.31" 27.68	(Lat. Long	. Approx. Ce	enter of Tunnel)
TUNNEL SEGMENT NO. Tunnel Section Construction Type: Rock Type and Description:	1 Rock Bolts at	2 nd Shotcrete	3	4 ured. Some thir	5 X	6
	VCs Sta 8         Vfor segme	58+70 addi ent 6 back t	tional seep	age since protocolor tation)	revious insp	ection
Signed:	(m.	afort			Date:	April 12, 2024

	V&T RAILWAY TUNNEL INSPECTION FORM							
WOOD RODGERS			Structure: Project No: Year Built: Date Inspected: Inspector(s):		<b>Tunnel No</b> 4414001 2008 April 12, 20 Jim Koch	<b>). 2</b> 024		
Location: American Lyon Cour	Flat nty, NV	Lat. Long.	39° 15' 48 -119° 39' 2	.31" 27.68	(Lat. Long	. Approx. Ce	enter of Tunnel)	
		1	2	3	4	5	6	
TUNNEL SEGMEN	T NO.						x	
Tunnel Section Construction	n Type:	Cut and Cove	∋r					
Begin Station End Station Length	VCs VCs	859+39 860+25 86 ft		Approx. N Approx. N	1ile Post 1ile Post	12.696 12.713		
Liner Type Portal	Concrete / I Beams In Concrete	Arch With F <sup>,</sup> Iside of She	orm Work ( et Steel, C	Consisting o rown form i	of I Beam ar s rolled 3/8 i	nd Sheet Ste inch steel.	el	
Tunnel Width	16 feet		Track Wt.		119#			
Tangent	Х		Track Typ	e	Jointed			
Curvature			Ballast		Class 4			
Condition Codes	(0= Worst-	→ 9=Best)		Notes a	nd Comm	ients		
1. Portal	9			Clean dito	h on left - m	inor amonu	t of soil and rock de	bris
2. Underside of Roof	9							
3. Sidewalls								
Right	9							
Left	9							
4. Footings Right Left	NA							
5. Other								
D-fact Deceminian	Nero			Defeatile				
Delect Description.	NULLE			Delect Lu	Cation.			
Required Action(s):	Clean ditch	h at portal o	on left.					
Required Notifications	s:							
	Signed:	Chr	Hoel			Date:	October 21, 2022	2



Date of Inspection:	5/10/24	
Inspection Type:	General Inspection	
Inspector:	James Koch.	
Date of Live Load Observation"	5/10/24	
Is Expedited Review required?	No	
What action is required?	None	
	Required by:	_ Approved by:
Was required action taken?		
	Taken by:	Approved by:
What is the result of action taken?		
		Acknowledged by:

#### **GLOBAL BRIDGE INSPECTION**

Description	Comments/Observations
Are all of the spans in alignment with each other?	Yes
Are there any indications of settlement in the superstructure or substructure?	None observed
Are there any indications of tilt or twist?	None observed
□ Is there any evidence of crowding between the back walls?	None observed
□ Is there any evidence of bunching of the spans together?	None observed
How is the alignment of the track throughout the bridge length?	Straight and in line with track beyond the bridge each way

#### **DETAILED INSPECTION CHECKLIST**

( $\checkmark$  to note which items were checked for this inspection)

#### Alignment

Element	Observations
□ √horizontal and vertical on approach	No misalignments observed
□ von structure	No misalignments observed
□ √surface	No misalignments observed
□ √clearances	No misalignments observed

### Support

Element	Observations
✓Behind abutment (hanging ties) at end stringer brackets	N/A – No stringer
□ Stringer flanges	N/A – No stringer

### Fastening to deck.

Element	Observations
□ ✓Movement (sliding)	No deck fastening – ballasted deck
□ √Hook bolts	No deck fastening – ballasted deck
□ √Rail anchors on and off structure	No deck fastening – ballasted deck

#### General conditions.

Element	Observations
□ √Ties	Good
□	Good
□ ✓Joints	Good
□ √Inner guard rails (if used)	Good
Outer guard timbers	N/A
□ ✓ Spacer straps	N/A
Spacer blocks between ties	N/A

#### Walkways/Platforms

	Element	Observations
	Surface Holes?	N/A – No walkways present
	✓Surface trip hazards particularly at knee braces?	N/A – No walkways present
	Handrail posts	N/A – No walkways present
	Hand rails	N/A – No walkways present
	Cables	N/A – No walkways present
□ spa	Fastenings from approach to	N/A – No walkways present

### Top flanges (compression)

Element	Observations
□ ✓Is there section loss from collision damage?	No. No evidence of collision
□ ✓Are cover plates still attached to flange?	Yes
□ ✓Do cover plates have any missing/loose fasteners?	None observed
□ √Is the weld at flange transitions cracked?	None observed
□ √Is the flange buckling due to lack of knee braces?	No

Web

Element	Observations
□ ✓Is there any section loss where ballast contacts the web?	The ballast does not contact the web of the bridge girder
□ √Web buckling from lack of stiffeners?	None observed where accessible
□ ✓Web buckling from lost/damaged knee braces?	None observed where accessible
□ √Are there shear cracks in end "d" distance?	None observed
□ ✓Are there loose fasteners in web splices?	None observed
□ √Any weld cracks at welded connections?	None observed
Any web cracks at ends of partial depth stiffeners?	N/A

### Bottom Flange

Element	Observations
□ √Is there any section loss in center of span?	None observed
□ ✓Any stress concentrations from accident damage?	No
□ √Accident damage?	No
Are cover plates intact and attached to flange? Missing, loose or sheared fasteners?	Cover plates intact, no visible missing, loose or sheared fasteners
□ ✓Are the welds at flange transitions intact?	Yes
□ √Are there any cracks at bearing area?	None observed

#### **Knee Braces**

Element	Observations
Any section loss adjacent to floor beams?	Knee brace inaccessible at this location due to ballast tub and cover plate
□ √Any collision damage or missing knee braces?	Νο
□ ✓Any cracks in connection angles to web?	None observed
□ √Any missing or loose fasteners?	None observed
Are knee braces still connected to floor beams?	Connections not accessible from above due to ballast tub and cover plate. The most recent NDOT bridge inspection from below made no reference to missing connection at this location.

#### **Bottom Laterals**

Element	Observations
□ ✓Any section loss at stringer and end connections?	Connection location not accessible. Floor system consists of load bearing floor beams blocking between floor beams vs stringers
Is there any spreading or section loss of back-to-back angles?	N/A
Any missing connectors for built-up laterals?	None observed from below at ground level. The most recent NDOT bridge inspection from below made no reference to missing connection at this location.
□ √Any damaged laterals?	None observed

#### Floor System

Element	Observations
✓Are transverse beams intact? Corroding?	Yes as observed from ground level below. No corrosion observed.
Are the connections between transverse beams and stringers intact?	Floor system consists of load bearing floor beams blocking between floor beams vs stringers. Connections between floor beams and blocking appear to be intact.
✓Is deck in good condition? Corroding?	No apparent issues. Deck is ballast covered and mostly inaccessible. Inspection from below at ground level identified no apparent issues.
Is deck attached at knee braces? Corroding?	Area of connection not accessible for inspection.

#### Bearings

Element	Observations
□ ✓Bearing Types	Steel reinforced elastomeric pad
□ √ls there excessive corrosion at the bearings?	Minor rust only at points of component contact and fasteners
□ √Does it appear that the bearings have shifted or twisted?	No
□ √Is there any debris that will prevent the bearings from operating correctly?	Νο
□ √Are bearings plumb, tilting, rotated?	Bearing appear plumb and properly aligned

#### **Concrete Substructures**

□ √Is there any sign of cracking in the abutments, wingwalls or center pier?	Minor cracking in wingwalls due to shrinkage observed. Cracking has been present with no apparent movement for nearly 7 years.
□ √Is there any sign of spalling or scaling in the abutments, wingwalls or center pier?	Very minor spauling observed on both North and South abutment. Similar to previous inspection report.
□ √Is there any exposed reinforcing?	No
□ √ls there any sign or undermining, scour or erosion at the abutments or wingwalls?	None observed
□ √ls there any sign of settlement, rotation or lateral movement in the abutments, wingwalls or center pier?	None observed
□ √Is there any evidence of slope failure adjacent to the abutments or wingwalls?	None observed



### **Common TPG Span Defects**

- 1. Damaged knee braces from wide loads.
- 2. Damaged bottom girder flanges and bottom laterals when spanning over highways.
- 3. Corrosion pockets with section loss to bottom flanges adjacent to bottom lateral connection plates.
- 4. Girder end deterioration above the bearing area.
- 5. Section loss in bottom laterals and stringer bottom flanges where connected.
- 6. Broken and loose fasteners at bottom lateral-to-stringer connection.

### **Inspection Notes**

- 1. Evidence of minor collision or impact at west end of south abutment observed. No appararent structural damage. Minor scratches observed but no cracking.
- 2. Concrete staining on wingwalls and abutment showing the effects of weathering and possible snow removal from highway. Portions of the surface are course and darkened in absence of stain.
- 3. Alignment of bridge and tracks appear to be straight and true with no inflections either horizontal or vertical witnessed.
- 4. All lighting operational
- 5. Areas of coating absent due to peeling or weathering and minor rust present at points of connection between components and fasteners.
- 6. No bridge deflection observed during live load observation.

# V&T Railway Bridge - Annual Inspection 2023-2024 NDOT Bridge Designation G-2898 @ US Highway 50 Crossing VTRW Milepost 7.22



VTRW Bridge Facing East along Eastbound Highway 50

Various amounts of paint chip showing weathering.



West Wingwall @ South Abutment Facing East along Eastbound Highway 50

Original concrete staining weathered, apparent partial recoating, minor rust staining due to weathering of handrailing



South Abutment Facing East

West end of abutment shows signs of minor collision, scarring

Original concrete stain moderately weathered



South Abutment East Wingwall Facing West

Dark areas of wingwall show where original concrete stain is significantly weathered, some rust present due to weathering of handrail



South Abutment, Center Pier & North Abutment Facing West

Minor amount of paint chipping noted.



Center of Track Facing Southeast/Down Station towards Carson City Depot

Track & bridge showing good alignment



Knee Brace and Ballast Tub Plate on Left Side of Bridge @ North Span, Facing Southwest

Minimal rust forming on fasteners and panels



Main Girder and Ballast Tub Plate @ Left Side of Bridge Facing Northwest

Very Minor rust forming on fasteners and panels



North Abutment East Wingwall Facing Northwest

Dark areas of wingwall show where original concrete stain is significantly weathered, rust due to weathering of handrail



Main Girder At North span Facing East Rust forming and Paint Peeling on fasteners and panels



Train approaching Bridge from North No deflection noted from live load crossing

S CONTRACTOR	STATE OF	Bridge Numb Bridge Locatio Inspection Da	er on te	V&T RAIL\ 05	G2898 VAY Ove /31/2023	er US 5	0		Ţ	<b>IBO</b>	VADA OT
This repor	t identifie	es deficienc	ies requir	ina urae	nt corr	ective	e actio	on	Yes		No
This brida	e is scou	r critical									
					_						
This bridg	e contain	s fracture c	intical cor	nponent	5						
			Rer	oort Con	tents						
<ul> <li>✓ Inspection Re</li> <li>✓ Element Leve</li> <li>○ Waterway Me</li> <li>✓ Bridge Photo</li> <li>○ Supplementa</li> </ul>	<ul> <li>✓ Inspection Report Cover Sheet Signs and Utilities Inspection Report Load Rating Summary</li> <li>✓ Element Level Inspection Report ✓ Maintenance Recommendation Report ✓ Structure Inventory &amp; Appraisal Report</li> <li>Waterway Measurement Report □Underwater Inspection Procedures □Other:</li> <li>✓ Bridge Photographs □Complex Bridge Inspection Procedures</li> <li>✓ Supplemental Drawings ✓ Fracture Critical Member Inspection Procedures</li> </ul>										
Inspection:	Initial	Routine	In-Depth	Unde	erwater	Critic	al		omplex		Special
Inspectors Team Leader Name:	Thornsberr	ry,Joel		Initials	Review	ving P.I	E. Seal	and S	Sign		
Assistant Name:	Marr,Myror	n		mn							
Assistant											
Name:											
Assistant											
Name:											
Reviewing P.E. Name	Henning, B	Brandon		BH							
Date of Review:	08/01/2023	3			I hereby approved	certify tha I by me.	at these o	docume	nts were	prepare	d or

Inspector:	Thornsberry, Joel	Structure Number:	G2898
Inspection Date:	05/31/2023	Facility Carried:	V&T RAILWAY

#### Bridge Inspection Report

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4	
30-Steel Deck Corrugated/Orthotropic/Etc.	2 - Low	2970	sq. ft.	2970	0	0	0	
	Bridge has a ballasted deck with a steel deck plate atop the girders. The steel deck is not visible from the top.							
515-Steel Protective Coating		2970	sq. ft.	2970	0	0	0	
	The coating is visible from below the deck, not from above. - No significant deficiencies.							
107-Steel Open Girder/Beam	2 - Low 239 ft. 135 103 1 0							
	<ul> <li>Topical corrosion exists along girder flanges, welds, and at many fasteners throughout both spans (CS 2 - 101 ft).</li> <li>Shallow gouges, likely construction related, occur in isolated locations along bottom flanges of Girders 1 and 2.</li> <li>One misdrilled hole is located at the Girder 2 web located near Abutment 1 between the 1st and 2nd outboard intermediate stiffeners (CS 2 - 1 ft).</li> <li>Top-side, on Span 2, Girder 2 near Pier 1, a bolt is missing at the girder to deck connection (CS 3 - 1 ft, Photo 4).</li> <li>Girder to diaphragm connection exhibits isolated locations of pigeon debris.</li> <li>** The following comment from the 2017 inspection report could not be located during 2019, 2021, and 2023 inspections**</li> <li>Approximately 32' from Abutment 1, the top flange of the east girder exhibits a</li> </ul>						ners Ilong nt 1 r to deck bris. bris. bris. brists a	
515-Steel Protective Coating		239	sq. ft.	0	139	0	100	
	<ul> <li>The girders exhibit blistering paint and surface corrosion (CS 2 - 139 sq ft, CS 4 - 100 sq ft). The welds and fasteners also exhibit surface corrosion (Photo 5). Some locations exhibit touch-up paint that has been likely applied to address areas of paint failure.</li> <li>The balance of the painted areas exhibit dulling and are viewed as being substantially effective.</li> </ul>							
152-Steel Floor Beam	2 - Low	1421	ft.	1220	201	0	0	
	<ul> <li>Floor beam count starts at the 1st full width beam.</li> <li>At isolated locations, connections exhibit corrosion and the top flange of the floor beam exhibits corrosion at the junction with the soffit of the steel deck (CS 2 - 200 ft, Photos 6 and 7).</li> <li>Bent flange exists at Floor Beam 2, in Span 1, and appears to be construction related and could have occurred during installation (CS 2 - 1 ft, Photo 8).</li> </ul>							
515-Steel Protective Coating		1421	sq. ft.	1221	0	0	200	
	- At isolated loc indicating coatir	ations, the ng failure (C	top flang CS 4 - 20	ge of the floo 0 sq ft, Phot	r beam exhib os 6 and 7).	its surface co	orrosion	
210-Reinforced Concrete Pier Wall	2 - Low	23	ft.	21	2	0	0	
	<ul> <li>Vertical and longitudinal cracks to 1/64" wide occur along pier walls.</li> <li>The east and west pier wall faces exhibit isolated hairline to 1/64" wide map cracking at less than 1' spacing (CS 2 - 2 ft).</li> </ul>							
215-Reinforced Concrete Abutment	2 - Low	49	ft.	37	10	2	0	
	<ul> <li>Vertical cracks to 1/32" wide occur along abutment backwalls, isolated locations exhibit 1/64" wide cracking spaced closer than 1' apart (CS 2 - 10 ft).</li> <li>Exposed corroded reinforcing steel tips, without measurable section loss exists near the bearing seat toward the northwest corner (CS 3 - 2 ft, Photo 9).</li> <li>On top of Abutment 2, next to Bearing 1 exhibits concrete overpour that could appear to be an unsound patch to 1' L x 7" W (Photo 9).</li> </ul>							

Inspector:	Thornsberry, Joel	Structure Number:	G2898
Inspection Date:	05/31/2023	Facility Carried:	V&T RAILWAY

#### **Bridge Inspection Report**

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
220-Reinforced Concrete Pile Cap/Footing	2 - Low	74	ft.	74	0	0	0
	Element not vis	ible. Total l	ength es	timated at 1	0' per instand	æ.	
234-Reinforced Concrete Pier Cap	<b>p</b> 2 - Low 26 ft. 13 13 0						
	- Vertical and longitudinal cracks to 1/64" wide, some with efflorescence a cap. Isolated locations exhibit cracking spaced closer than 1' apart (CS 2					along pier - 13 ft).	
310-Elastomeric Bearing	2 - Low	8	each	0	8	0	0
	2 elastomeric b - Bearing assen and at the bear - At Abutment 2 separation (up t	earings at e nblies typic ing plates ( Bearing 2 to 1/4") betw	each abu ally exhi CS 2 - 8 and Pier veen the	itment, and 4 bit surface co each). 1 Bearing 1 pad and the	elastomeric prrosion at th the elastome bearing plat	e bearings at e attachment eric pad exhi te (Photo 9).	the pier. t hardware bits
515-Steel Protective Coating		8	sq. ft.	0	0	0	8
	- The protective attachment hard	coating typ dware and a	bically ex at the be	thibits failure aring plate (	and surface CS 4 - 8 sq f	corrosion at t, Photos 5 a	the nd 10).
616-Concrete Coating	2 - Low	1	lump sum	0	1	0	0
	- At isolated loc delaminations, i is substantially	ations of pa this is most effective (C	inted co noticeal S 2 - 1).	ncrete the co ole at the we	oating exhibit st side of the	ts cracking an Pier Cap. Th	nd localized ne coating
645-Deck Lighting System	2 - Low	12	each	0	12	0	0
	Element rated for 12 cantilever lights illuminating the V & T RAILWAY lettering on the outboard girder webs, 6 lights are on each side of the structure. - Lighting was not on during the 2023 daylight inspection to verify operation. - Topical rust occurs on cantilever lights (CS 2 - 12 EA).						
646-Under Deck Lighting System	2 - Low	4	each	4	0	0	0
	One light is at e - Lighting was n - The plates that section loss.	each abutme ot on durin it under dec	ent; one g 2023 o k lights	light is on ea laylight inspe are attached	ach side of th ection to verif to exhibit su	e pier. ly operation. rface corrosi	on, no
660-Steel Diaphragms	2 - Low	132	each	97	35	0	0
	Element evaluation beams. - At isolated loc places (CS 2 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	ted for later ations, over 5 EA). ion occurs es, bolts, nu putment 1 E acings over	al bracin r the pie at localiz uts and r bearing 2 Abutme	ng and the lo r, the diaphra zed areas ald ivets (CS 2 - 2 and Abutmo nts.	ngitudinal dia agms exhibit ong lateral bra 30 EA, Phot ent 2 Bearing	aphragms be mis-drilled ho acing and at to 7). g 1, exhibit 1'	tween floor bles, 5 diaphragm L x 2" H
680-Reinforced Concrete Retaining Walls	2 - Low	226	feet	204	22	0	0
	<ul> <li>Vertical and longitudinal cracks typically up to 1/64" W exist in the wingwalls, some closer than 1' spacing (CS 2 - 20 ft).</li> <li>The southeast and southwest wingwalls each exhibit one vertical 1/32" wide crack (CS 2 - 2 ft).</li> </ul>						
694-Debris on Seats	2 - Low	3	each	3	0	0	0
	- Dirt, debris, ar than 3" deep.	nd pigeon d	roppings	s exist aroun	d the bearing	seats, typica	ally less
760-Metal Approach Barrier Rail	2 - Low	4	each	3	1	0	0
	- Metal fences a corners. - At the southwe (distortion) (CS	are mounte est wingwal 2 - 1 each)	d to the t I, the att	op of the ret	aining walls a	at each of the out of plane	e four bending
Inspector:	Thornsberry, Joel	Structure Number:	G2898				
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Inspection Date:	05/31/2023	Facility Carried:	V&T RAILWAY				

#### **Bridge Inspection Report**

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
775-Approach Roadway Embankment	2 - Low	1	lump sum	1	0	0	0
	- No significant deficiencies.						
801-Protective Systems	2 - Low	0	Sq ft	0	0	0	0
515-Steel Protective Coating		136	sq. ft.	106	0	0	30
	<ul> <li>Steel protective coating as applied to: Steel Diaphragms - 136 SF Approach Rails - 4 each</li> <li>The diaphragms, primarily at fastener connection points exhibit rust staining and failed protective coating (CS 4 - 30 sq ft, Photo 6).</li> <li>A patina has formed on approach weathering steel.</li> </ul>						
9997-General Comments	2 - Low	1	EA	1	0	0	0
	- Contact V&T Railroad to see if they would like anyone on site during inspections.						





Bridge No.: G2898 Date: 05/31/2023

Photo 1: West Elevation



Bridge No.: G2898 Date: 05/31/2023

Photo 2: South Approach





Bridge No.: G2898 Date: 05/31/2023

Photo 3: South General Superstructure



Bridge No.: G2898 Date: 05/31/2023

Photo 4: Missing bolt on Girder 2 near Pier 1





Bridge No.: G2898 Date: 05/31/2023

Photo 5: Typical failed coating and corrosion of the girder and bearings



Bridge No.: G2898 Date: 05/31/2023

Photo 6: Typical failing steel protective coating and corrosion of the deck to floor beam interface





Bridge No.: G2898 Date: 05/31/2023

Photo 7: Typical failing steel protective coating and corrosion on floor beams and diaphragms



Bridge No.: G2898 Date: 05/31/2023

Photo 8: Small construction dent in Floorbeam 2 Span 1





Bridge No.: G2898 Date: 05/31/2023

Photo 9: Exposed rebar in cheek wall and concrete overpour on top of Abutment 2 near Bearing 1



Bridge No.: G2898 Date: 05/31/2023

Photo 10: Separation of pad and masonry plate at Pier 1 Bearing 1

# Maintenance Inspection Work Items and Costs Report

Bridge NumberG2898Bridge LocationV&T RAILWAY Over US 50Inspection Date05/31/2023

# 4 - Perform action when time and money permit

Timing	Criticality	Item Code	Description	Units	Std.Unit Cost	Quantity	Unit Cost	Total Cost
4	2 - Major	Sub9	Seal Substructure Cracks (Pressure Inject Epoxy)	LS		1	0	0

Notes: - Seal cracking in abutments, pier walls, pier cap, and retaining walls.

4	1 - Minor	Super10	Spot Clean and Paint Miscellaneous Steel	SQFT	23	6	23	138
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Notes: - Prep then paint/re-paint those cantilever deck lights that exhibit surface corrosion or rust staining.

4	1 - Minor	Super14	Replace/Tighten Bolts in Steel Connections	EACH	25	2	25	50
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Notes: Replace fastener at Girder 2 Web near Abutment 1 and at Girder 2 near Pier 1 at the girder-deck connection.

4	1 - Minor	Super8	Repaint Portion of Steel Superstructure	SQFT	23	108	23	1150
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Notes: - Repaint portions of superstructure elements corrosion and/or areas of missing paint.

4	2 - Major	Sub1	Repair Spalled Concrete at Abutment	SQFT	75	2	75	150
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Notes: - Repair exposed reinforcing steel at northwest abutment seat.

# Fracture Critical Inspection Procedures Report

Bridge Number G2898

Bridge Location \_\_\_\_\_ V&T RAILWAY Over US 50

Inspection Date 05/31/2023

	Fracture Critical Elements Inspected and Inspected Frequency						
	Elements Inspected	Inspection Frequency					
1	GIRDERS	24					

### **Inspection Procedures Used**

HANDS-ON/VISUAL EXAMINATION, USING BUCKET TRUCK, OF SUPERSTRUCTURE MEMBERS: - TENSION MEMBERS (LONGITUDINAL GIRDERS SPANNING ABUTMENT 1, PIER 1, AND ABUTMENT 2) FOR CORROSION, SECTION LOSS, AND CRACKS

- LOOK FOR REPAIRS, ESPECIALLY WELDED REPAIRS APPLIED TO OLD NON-WELDABLE MEMBERS - CHECK ALIGNMENT OF ALL MEMBERS, NOTING ALL BOWED MEMBERS

- CHECK FOR COLLISION DAMAGE WHICH COULD REDUCE LOAD-CARRYING CAPACITY

NOTE: TRANSVERSE FLOOR BEAMS, THOUGH NOT FRACTURE CRITICAL, WERE INSPECTED USING FRACTURE CRITICAL INSPECTION PROCEDURES

### Inspection Results

\* For inspection results, see commentary contained within the Element Level Inspection Report

#### Last Modified: 08/21/2023

## Structure Inventory and Appraisal

#### Bridge No.: G2898

1. State Code 329 (Nevada) 2. District 02 (District 02) 3. County 4. Place Code 221000500 5. Inventory Route 6. Feature Intersected US 50 7. Facility Carried 8. Structure No. G2898 9. Location 10. Min Vertical Clearance 20.9 ft. 11. Milepoint 0.000 12. Base Hwy Network 13A, LRS Inv Route 0000000050 13B. Subroute No. 00 16. Latitude 17. Longitude 19. Detour Length 62.1 20. Toll 21. Maintenance Resp 22. Owner 26. Functional Class 12 (Urban) 2009 27. Year Built 28A. Lanes On 0 28B. Lanes Under 4 29. Avg Daily Traffic 27300 30. Year of ADT 2021 8 (Railroad) 31. Design Load 32. Appr. Roadway Width 33. Median 34. Skew 16 degrees 35. Structure Flared 0 36A, Bridge Railings 36B. Transitions 36C. Approach Guardrail 36D. Approach GuardRail Term N (NA/Safety feature not required) 37. Historical Significance 38. Navigation Control 39. Vertical Clearance 40. Horiz. Clearance A (Open) 41. Posting Status 42A. Type of Service On 2 (Railroad) 42B. Type of Service Under 43A. Main Span Material 3 (Steel) 3 43B. Main Span Design 0 (Other) 44A. Appr. Span Material 44B. Appr. Span Design 00 (Other) 002 45. No. of Spans Main Unit 46. No. of Appr. Spans 0000 38.7 ft. 47. Horiz. Clearance 59.7 ft. 48. Length Max Span 49. Structure Length 119.7 ft. LT 50. Curb/Sdwk Width RT 51. Width Curb to Curb 52 Deck Width Out to Out 53. Min. Vert. Clearance Over 54A, Min, Vert, Underclear 20.9 ft. 54B. Min. Vert. Underclear 55A. Min. Lat. Underclear Right H (Highway beneath structure) 55B. Min. Lat. Underclear Right 14.7 ft. 56. Min. Lat. Underclear Left 3.9 ft. 58. Deck 59. Superstructure 60. Substructure 61. Channel/Channel Prot 62. Culvert

Sufficiency Rating: 0.00

510 (Carson City) 09700 (Carson City) V&T RAILWAY EAST OF CARSON CITY 1 (Inventory Route is on the Base Network) 39 ° 12 ' 32.59 " -119 ° 40 ' 56.82 " 3 (On Free Road) 21 (Other State Agencies) 21 (Other State Agencies) N (NA/Safety feature not required) N (NA/Safety feature not required) N (NA/Safety feature not required) N (Not applicable, no waterway) 1 (Highway, with or w/out pedestrian) H (Highway beneath structure) N (Not Applicable) 7 (Good Condition (some minor problems)) 7 (Good Condition (some minor problems)) N (Not Applicable) N (Not Applicable)

FO: N

SD: N

63. Rating Method 5 (No rating analysis or evaluation 64. Operating Rating 65. Rating Method 5 (No rating analysis or evaluation 66. Inventory Rating 3 (Intolerable) 67. Struc Eval 68. Deck Geometry N (Not applicable) 69. Underclearance, 9 (Superior to present desirable criteria) Vert & Horiz 70. Posting 5 (Equal to or above legal loads) 71. Waterway Adequacy N (Not Applicable) 72. Approach Alignment 7 (Better than present minimum criteria) 75A. Type Of Work 75B. Work Done By 76. Len of Struc Impr 90. Inspection Date 05/31/2023 91. Frequency 24 92A. FC Frequency 24 92B. UW Frequebcy 92C. SI Frequency 92A-1. FC Required Y 92B-1. UW Required Ν 92C-1, SI Required Ν 93A. FC Inspection Date 05/31/2023 93B, UW Inspection Date 93C. SI Date 94. Bridge Impr Cost 95. Rdwy Impr Cost 96. Total Proj Cost 97. Year of Impr Cost 98A. Border Bridge Code 98B. % Responsibility 0 99. Border Bridge No. 100. STRAHNET 0 (Not a STRAHNET route) 101. Parallel Structure N (No parallel structure) 102. Direction of Traffic 2 (2-way traffic) 103. Temp Structure 104. Hwy Sys Inv Route 1 (Structure/Route is on NHS) 105. Fed Lands Hwys 0000 106. Year Reconstructed 107. Deck Type N (Not Applicable) 108A. Wearing Surface N (NA) 108B. Deck Membrane N (NA) 108C. Deck Protection N (NA) 109. Truck ADT 3% 110. Desig National Net 111 Pier Protection 112. Bridge Length 113. Scour Critical Bridges N (Not over waterway) 114. Future ADT 67011 115. Year Future ADT 2040 116. Min Nav Vert Clear 201. Contract Number 202. Seismic Risk 203. Structure Name 204, Culvert Barrel Height 205. Culvert Barrel Width 206. Culvert Barrel Length 207. Total Deck Area 208. Last Access 05/31/2023 Required Inspection Date 209. Access Required 24 Inspection Frequency 210. Date of Next Access 05/31/2025 Required 211. Bridge Inventory South to North Direction