

# Transportation Infrastructure Revenue Subcommittee Presentation

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PRESENTED BY TAOS COUNTY MANAGER BRENT JARAMILLO

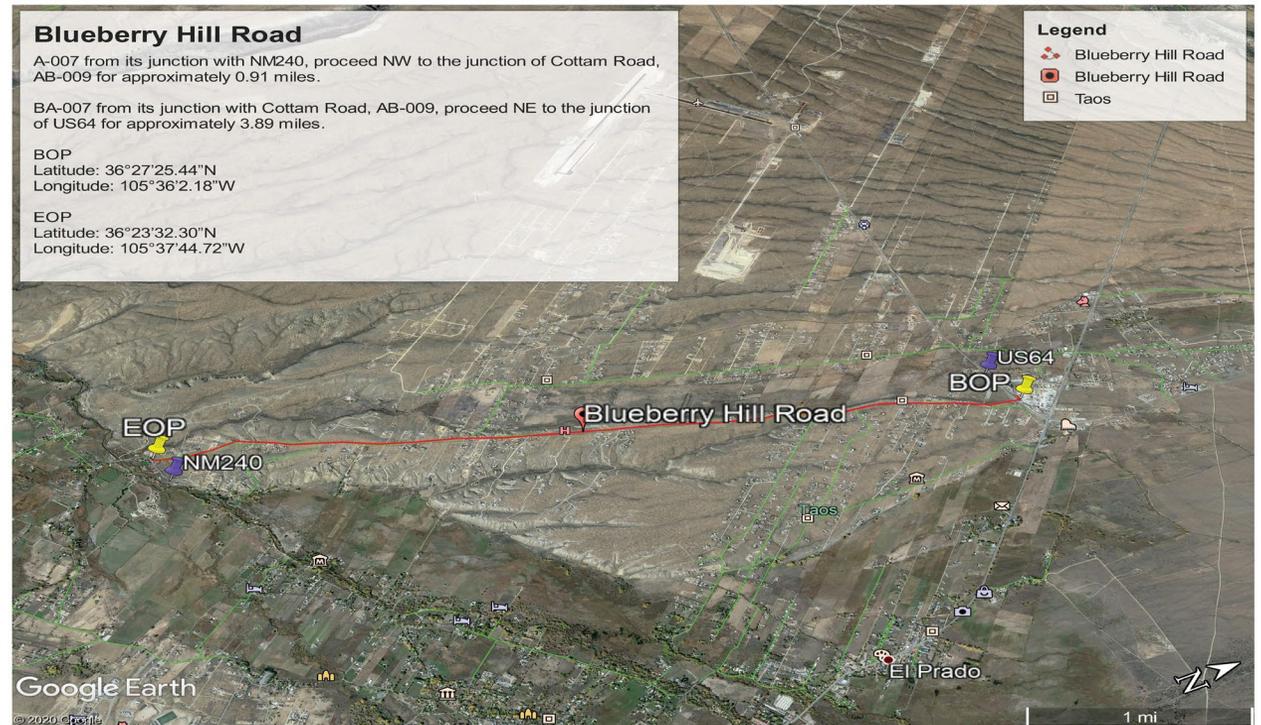
AUGUST 31, 2022

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# Blueberry Hill Road

# Project Description

Blueberry Hill Road, A-007 and BA-007 has a paved surface. Portions of this roadway have significantly distressed pavement. Drainage corrections are also necessary. It is proposed to address these deficiencies with drainage corrections, the paved surface will need to be milled, subbase will need to be added, and new pavement will need to be placed



# Planning: Support from existing planning documents and/or federal or state agencies

Northern Pueblos State Project List NMDOT District 5 2020-2021														
Roadway Recommendations														
Project Priority	Route Number	MP	RT PO	Requestor	Termini	Length	Project Cost	State Share (95%)	Local match (5%)	Improvement	Funding Source	Local or State Lead	Prior funding	Additional Information or Comments
	Cumbres del Norte Subdivision		NP	Los Alamos	Camino Redondo, Cumbres Patio, and Camino Medio	0.7 Miles	\$ 2,400,000	\$ 2,280,000	\$ 120,000	Roadway reconstruction, asphalt, curb, gutter, ada sidewalk ramps and drive pads.	TPF	Local Lead	no	Shovel ready
	North Mesa Subdivision		NP	Los Alamos	Beginning: San Ildefonso and Alamo Rd. End: San I and Tsankasi St., Oro Court, San I and Cedro Court and San I and Big Rock Loop south	1.2 miles	\$ 2,500,000	\$ 2,375,000	\$ 125,000	Roadway reconstruction, removal of existing asphalt and overlay of new asphalt, new curb, gutter, sidewalk ramps and drive pads.	TPF	Local Lead	no	Shovel ready
	Sherwood blvd from aztec to grand canyon drive improvements		NP	Los Alamos	Beginning: Sherwood blvd. from Aztec to Canyon Dr.	0.27	\$ 2,130,000	\$ 2,023,500	\$ 106,500	Roadway reconstruction, removal of existing asphalt and overlay of new asphalt, new curb, gutter, sidewalk ramps and drive pads.	TPF	Local Lead	no	shovel ready
	Blueberry Hill Road, Taos County, New Mexico		NP	Taos County	Beginning point: NM 240 and Blueberry Hill Road, end point: US 64 and Blueberry Hill Road	4.8 miles	\$ 8,599,174	\$ 8,169,215	\$ 429,958	Roadway repaving and reconstructing.	TPF	Local Lead	no	Work prior to execution of agreement is ineligible for reimbursement. Is the design complete?
	HWY 74	3-4.2	NP	Ohkay Owingeh	Highway 74 MM 3 to MM4.2	1.2 miles	\$ 500,000	\$ 475,000	\$ 25,000	Highway 74 roadway improvements	TPF	Local	no	
	Camino Miramontes		NP	Espanola	NM 68 to terminus of Camino Miramontes	0.5 miles	\$ 3,250,000	\$ 3,087,500	\$ 167,500	Reconstruction with drainage improvements	TPF	Local	design	
	Starlighter, Carr & Star			Espanola	NM 68 to the full extents of Starlighter Loop Carr Lane and Star Lane	.5 miles	\$ 375,000	\$ 356,250	\$ 18,750	Reconstruction with drainage improvements	TPF	Local	no	
	East Pueblo			Espanola	NM 68 to La Joya	1 mile	\$ 500,000	\$ 475,000	\$ 25,000	Rehabilitation/Reconstruction	TPF	Local	no	
	Silkey Blue Bus Way			Espanola	NM 68 to Silkey Way	.5 miles	\$ 225,000	\$ 213,750	\$ 11,250	New Construction	TPF	Local	no	
	Fairview			Espanola	US 84/285 to McCurdy	2 miles	\$ 4,600,000	\$ 4,370,000	\$ 230,000		TPF	Local	no	

# Justification: Economic Impact, Project Need

**Road infrastructure is the backbone of a healthy economy. Blueberry Hill road project will support the local and tourist community by:**

- Resident commuter benefits (Reduction of vehicle operating costs such as fuel or vehicle maintenance)
- Economic housing development productivity
- Supporting uniform access of need for local development of adjoining parcels
- Alternate access from NM 68 freight route

**Blueberry Hill Road is essential to Taos County, as it is a primary artery that supports the local traffic around highly congested areas of the Historic Downtown District through peak summer and winter tourist seasons. Blueberry Hill Road supports the local community by linking**

- Local workforce to their jobs
- Safe bus routes to transport students to school
- Safe routes to support First responders when dispatched

# Justification: Quality of Life, Safety, Environmental Sustainability

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**Blueberry Hill Road infrastructure will improve the quality of life and community engagement of Taos residents by:**

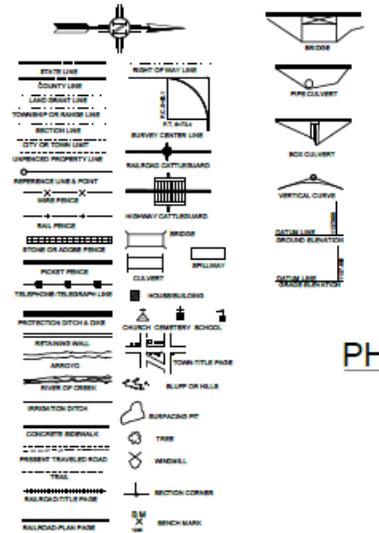
- Deliver economic benefit to the community
- Less polluted environment
- Reduce travel time
- Provide safe access for connecting roads
- Community support

# Project Location Photos



**Open raveled alligator cracking with settlement along lane edge most likely due inadequate subgrade and commercial traffic loads.**

**CONVENTIONAL SIGNS  
ON PLAN ON PROFILE**



**Length Of Project 4.79 Miles**  
**E.O.P. STA. 262+89.33**

**PHASE I/II 127+00.00**

**B.O.P. STA. 10+13.29**



**VICINITY MAP**

**PROJECT CONTACTS:**

CONSTRUCTION PROJECT MANAGER  
XXXX, X.X. (505) XXX-XXXX

TAOS COUNTY PROJECT REPRESENTATIVE  
XXXX, X.X. (505) XXX-XXXX

TAOS COUNTY PUBLIC WORKS SUPERINTENDENT  
RAMON PACHECO (575) 737-6472

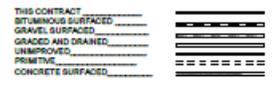
WHPACIFIC CONSULTANT ENGINEER  
JOE SANCHEZ, P.E. (505) 348-5201

**SHIPPING POINTS**

TAOS COUNTY PUBLIC WORKS DEPARTMENT,  
489 OLD BLUEBERRY HILL ROAD  
EL PRADO, NM 87529

THE 2019 EDITION OF NEW MEXICO DEPARTMENT  
OF TRANSPORTATION STANDARD SPECIFICATIONS  
FOR HIGHWAY AND BRIDGE CONSTRUCTION SHALL  
GOVERN CONSTRUCTION OF THIS PROJECT.

**LEGEND**



**INTENT OF PROJECT**

RECONSTRUCTION OF BLUEBERRY HILL RD INCLUDING BUT NOT LIMITED TO  
REMOVAL OF EXISTING ASPHALT PAVEMENT AND PLACEMENT OF NEW  
ASPHALT PAVEMENT, REMOVAL OF ROADSIDE HAZARDS, CONSTRUCTION  
TRAFFIC CONTROL AND SIGNING AND STRIPING.

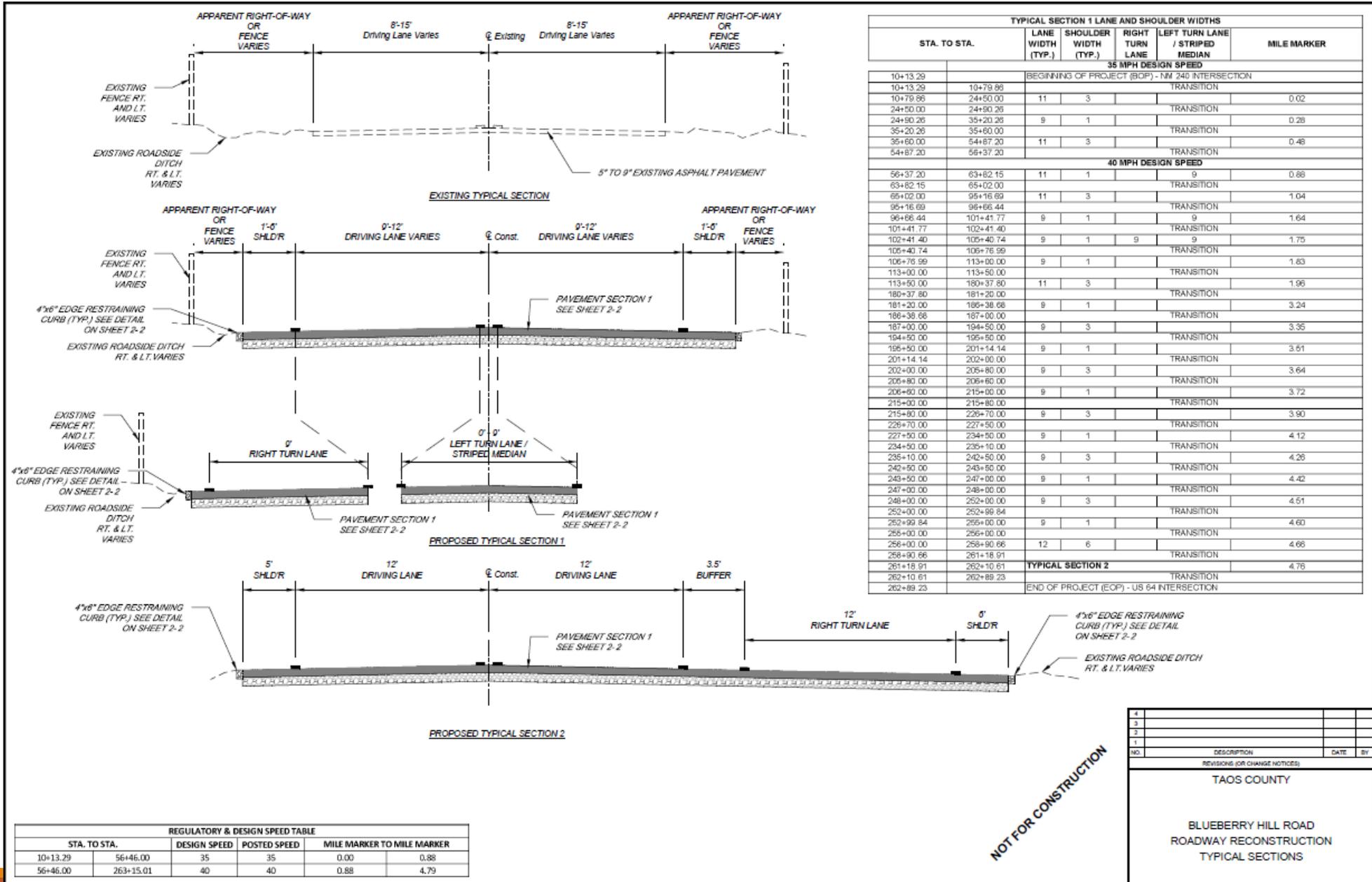
THESE PLANS WERE DESIGNED AND/OR ASSEMBLED BY:  
WHPACIFIC INC. PHONE: (505) 247-0294

NO.	DESCRIPTION	DATE	BY
1	REVISIONS (OR CHANGE NOTICES)		

TAOS COUNTY

BLUEBERRY HILL ROAD  
ROADWAY RECONSTRUCTION  
VICINITY MAP

**NOT FOR CONSTRUCTION**



TYPICAL SECTION 1 LANE AND SHOULDER WIDTHS					
STA. TO STA.	LANE WIDTH (TYP.)	SHOULDER WIDTH (TYP.)	RIGHT TURN LANE	LEFT TURN LANE / STRIPED MEDIAN	MILE MARKER
35 MPH DESIGN SPEED					
BEGINNING OF PROJECT (BOP) - NM 240 INTERSECTION					
10+13.29					
10+13.29	10+79.89				
10+79.89	24+50.00	11	3		0.02
24+50.00	24+90.28			TRANSITION	
24+90.28	35+20.28	9	1		0.28
35+20.28	35+60.00			TRANSITION	
35+60.00	54+87.20	11	3		0.48
54+87.20	56+37.20			TRANSITION	
40 MPH DESIGN SPEED					
56+37.20	63+82.15	11	1	9	0.88
63+82.15	65+02.00			TRANSITION	
65+02.00	95+16.69	11	3		1.04
95+16.69	96+66.44			TRANSITION	
96+66.44	101+41.77	9	1	9	1.64
101+41.77	102+41.40			TRANSITION	
102+41.40	105+40.74	9	1	9	1.75
105+40.74	106+76.59			TRANSITION	
106+76.59	113+00.00	9	1		1.63
113+00.00	113+50.00			TRANSITION	
113+50.00	180+37.80	11	3		1.96
180+37.80	181+20.00			TRANSITION	
181+20.00	186+38.68	9	1		3.24
186+38.68	187+00.00			TRANSITION	
187+00.00	194+50.00	9	3		3.35
194+50.00	195+50.00			TRANSITION	
195+50.00	201+14.14	9	1		3.61
201+14.14	202+00.00			TRANSITION	
202+00.00	205+80.00	9	3		3.64
205+80.00	206+60.00			TRANSITION	
206+60.00	215+00.00	9	1		3.72
215+00.00	215+80.00			TRANSITION	
215+80.00	226+70.00	9	3		3.90
226+70.00	227+50.00			TRANSITION	
227+50.00	234+50.00	9	1		4.12
234+50.00	235+10.00			TRANSITION	
235+10.00	242+50.00	9	3		4.26
242+50.00	243+50.00			TRANSITION	
243+50.00	247+00.00	9	1		4.42
247+00.00	248+00.00			TRANSITION	
248+00.00	252+00.00	9	3		4.51
252+00.00	252+88.64			TRANSITION	
252+88.64	255+00.00	9	1		4.60
255+00.00	256+00.00			TRANSITION	
256+00.00	258+00.66	12	6		4.66
258+00.66	261+18.91			TRANSITION	
261+18.91	262+10.61	<b>TYPICAL SECTION 2</b>			4.76
262+10.61	262+89.23			TRANSITION	
262+89.23		END OF PROJECT (EOP) - US 64 INTERSECTION			

REGULATORY & DESIGN SPEED TABLE					
STA. TO STA.	DESIGN SPEED	POSTED SPEED	MILE MARKER TO MILE MARKER		
10+13.29	56+46.00	35	35	0.00	0.88
56+46.00	263+15.01	40	40	0.88	4.79

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	BY

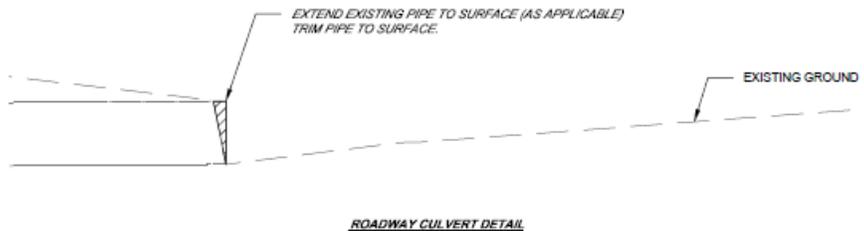
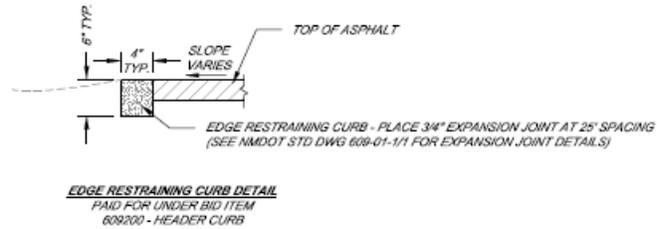
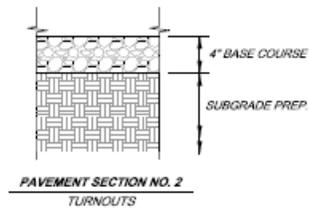
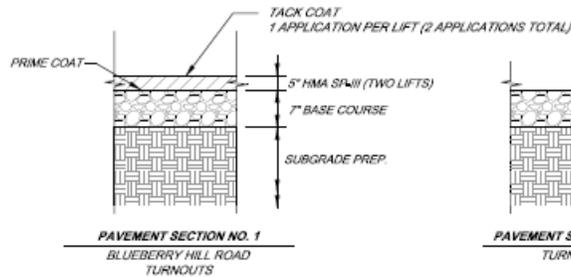
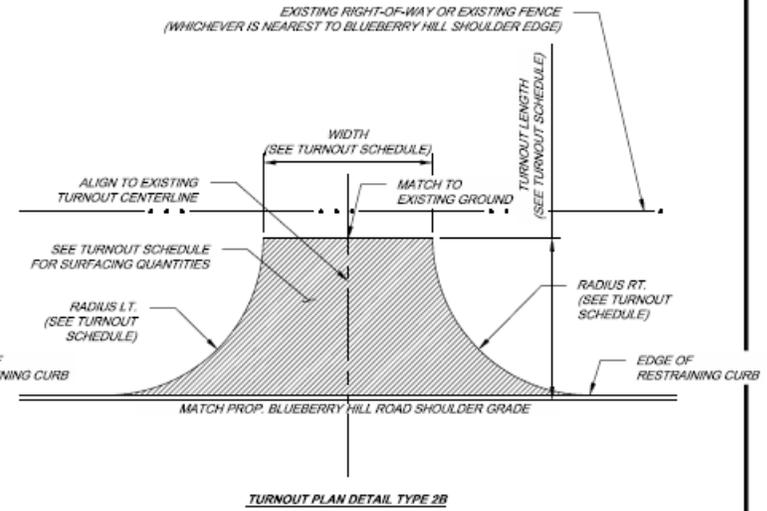
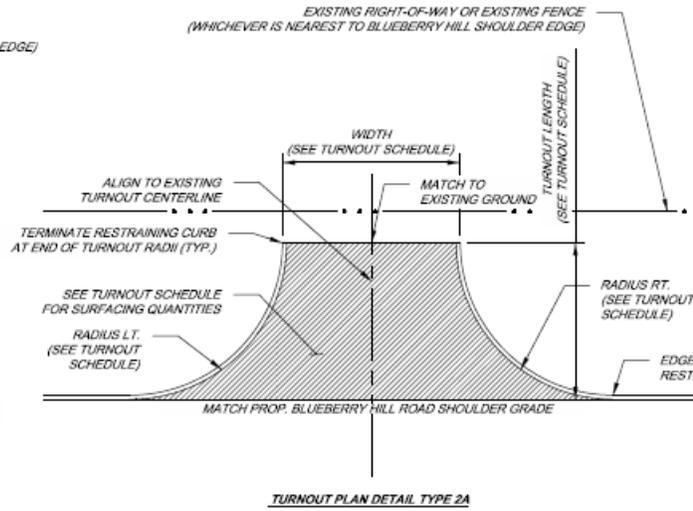
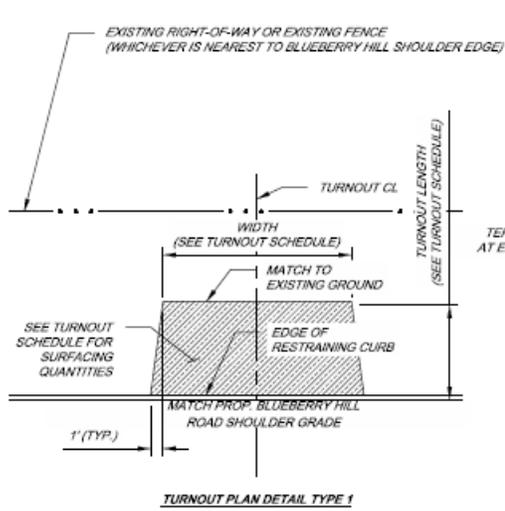
TAOS COUNTY

BLUEBERRY HILL ROAD  
ROADWAY RECONSTRUCTION  
TYPICAL SECTIONS

NOTE: SEE SHEETS 2-4 & 2-5 FOR SURFACING SCHEDULE

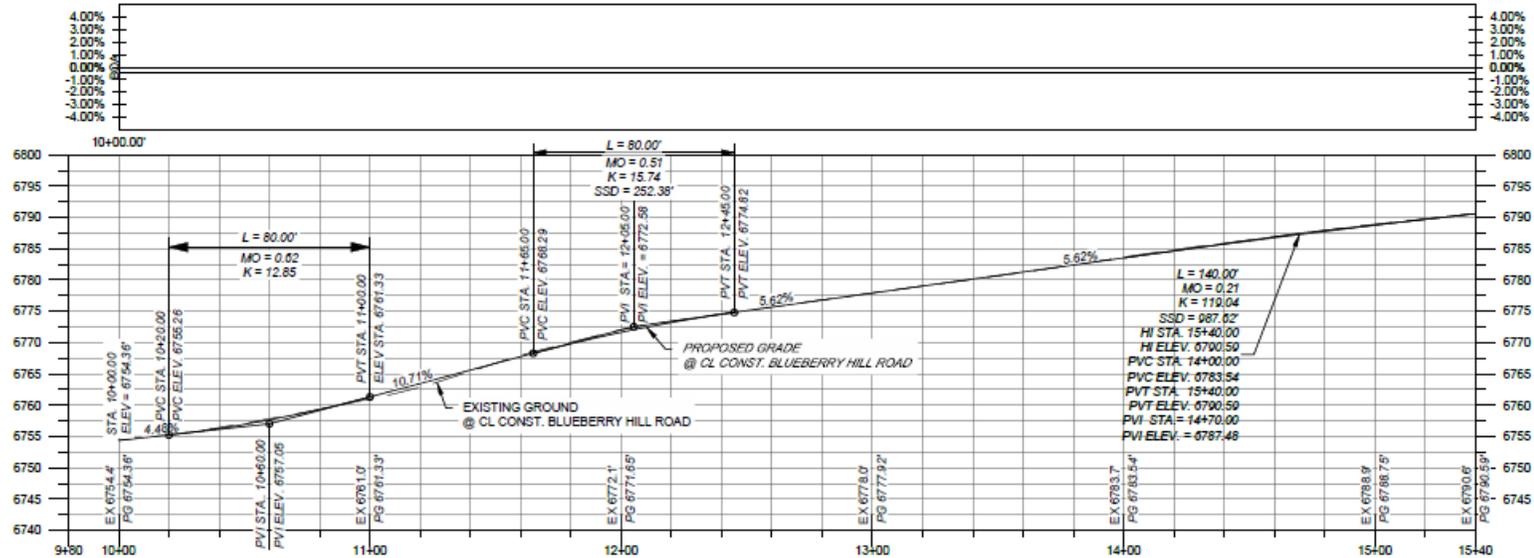
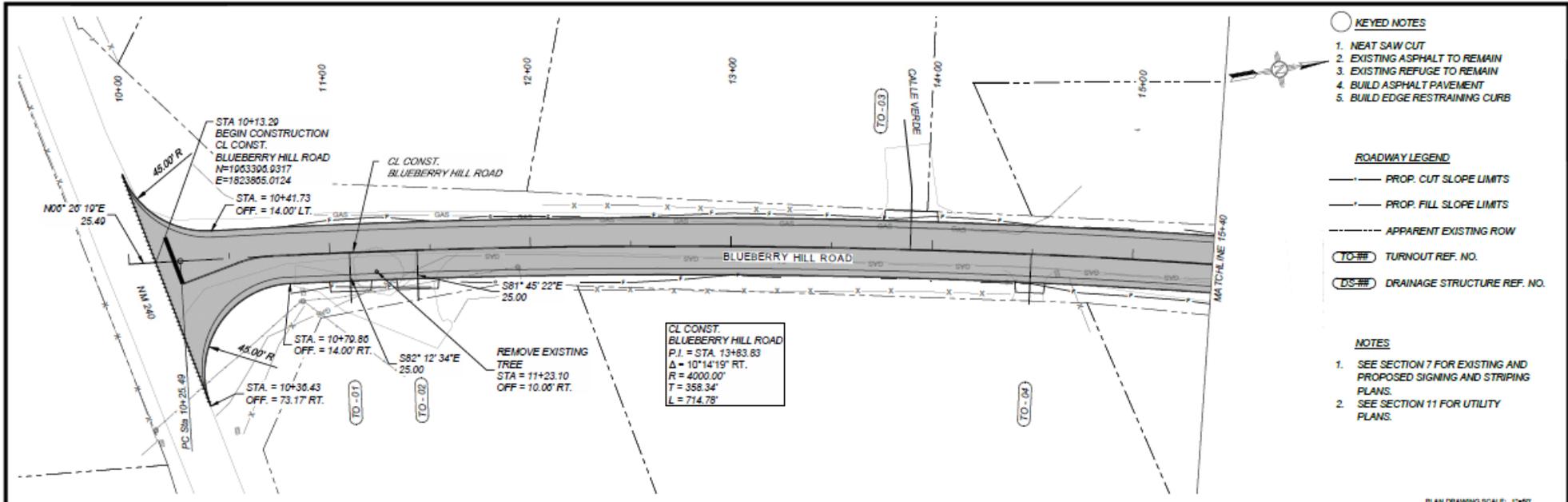
NOTE: SEE SHEETS 2-4 & 2-5 FOR SURFACING SCHEDULE

NOTE: SEE SHEETS 2-4 & 2-5 FOR SURFACING SCHEDULE



NOT FOR CONSTRUCTION

4			
3			
2			
1			
NO.	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			
TAOS COUNTY			
BLUEBERRY HILL ROAD ROADWAY RECONSTRUCTION MISCELLANEOUS DETAILS			

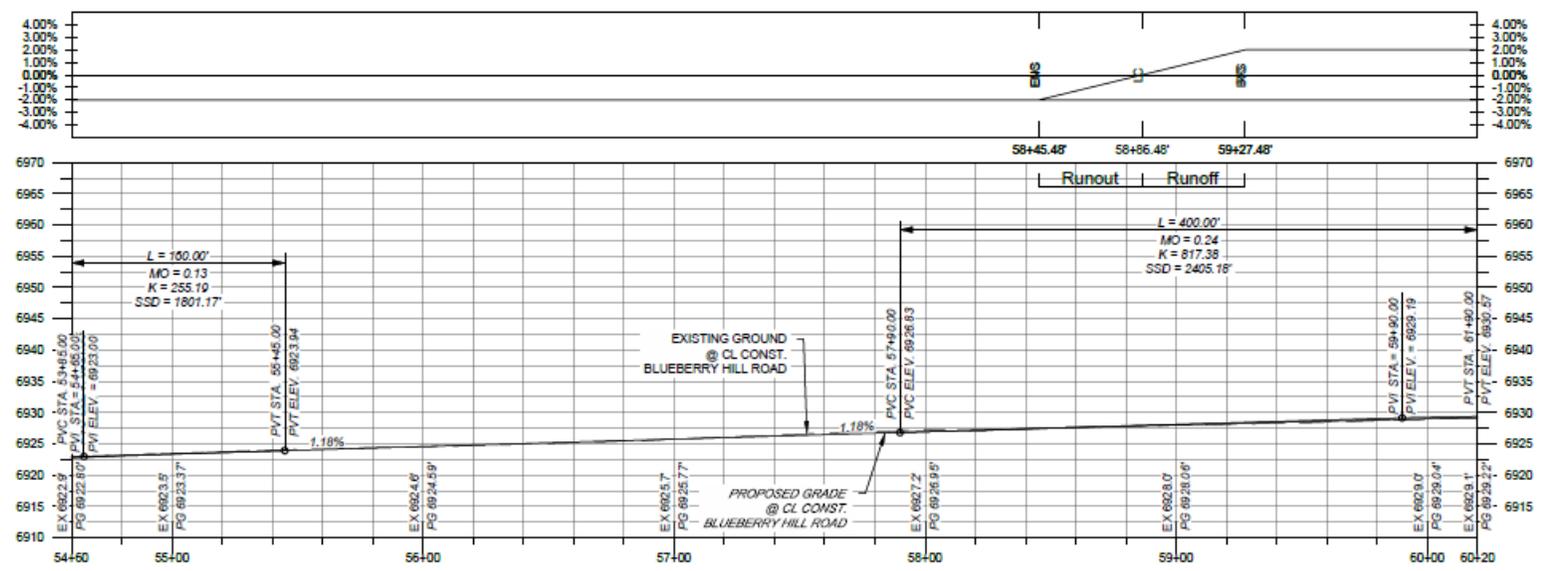
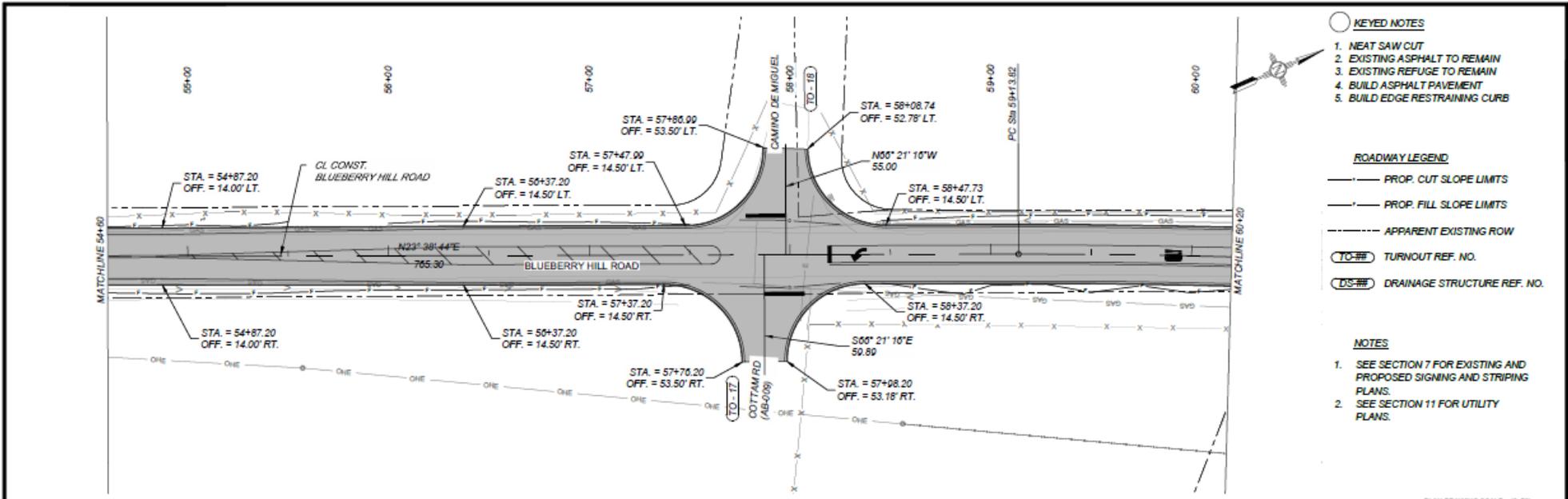


PLAN DRAWING SCALE: 1"=50'  
 HORIZONTAL SCALE: 1"=50' VERTICAL SCALE: 1"=20'

**NOT FOR CONSTRUCTION**

ALL STATIONS AND OFFSETS  
 REFER TO BLUEBERRY HILL ROAD CL  
 CONST. UNLESS OTHERWISE NOTED.

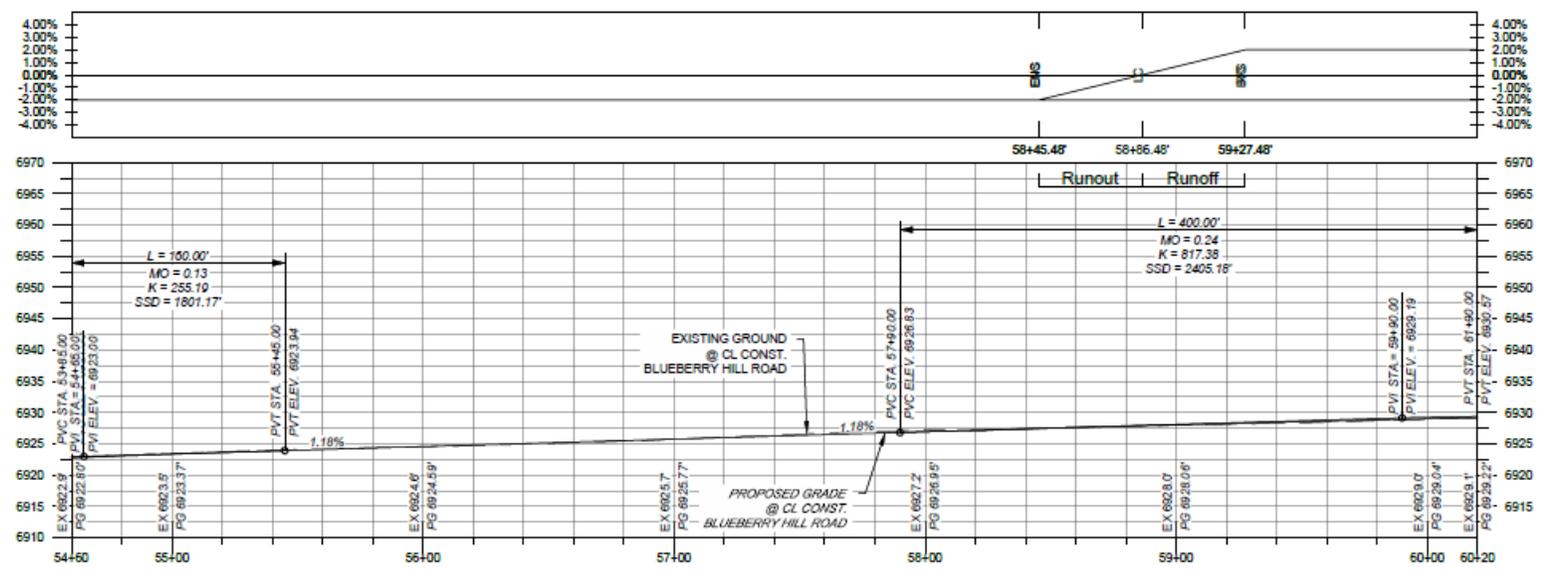
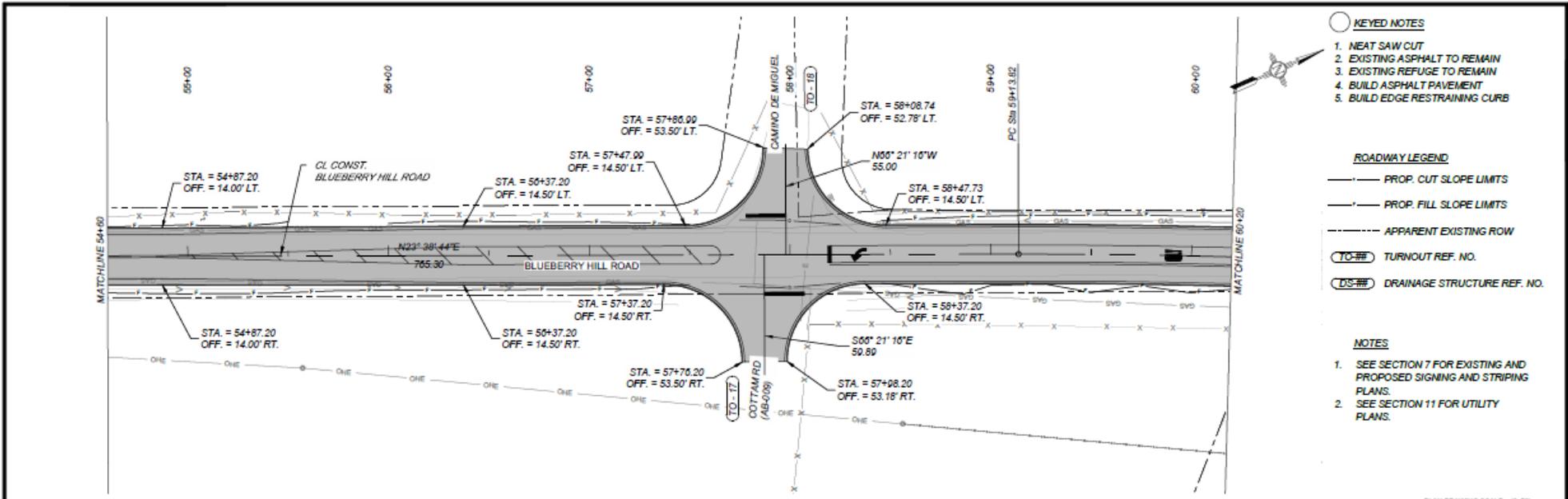
**TAOS COUNTY  
 BLUEBERRY HILL ROAD  
 ROADWAY RECONSTRUCTION**



**NOT FOR CONSTRUCTION**

ALL STATIONS AND OFFSETS REFERENCE BLUEBERRY HILL ROAD CL CONST. UNLESS OTHERWISE NOTED.

TAOS COUNTY  
BLUEBERRY HILL ROAD  
ROADWAY RECONSTRUCTION



**NOT FOR CONSTRUCTION**

ALL STATIONS AND OFFSETS REFERENCE BLUEBERRY HILL ROAD CL CONST. UNLESS OTHERWISE NOTED.

TAOS COUNTY  
BLUEBERRY HILL ROAD  
ROADWAY RECONSTRUCTION

# Planning: Secured other Funding Sources, Matching Funds

## LGRF:

Phase I	SP-	\$106,667.00	State Share 75%	\$80,000.00	County Share 25%	\$26,667.00
Phase I	CAP-	\$103,045.00	State Share 75%	\$77,284.00	County Share 25%	\$25,761.00
Phase I	SB-	\$124,000.00	State Share 75%	\$93,000.00	County Share 25%	\$31,000.00
Phase II	SP-	\$106,548.00	State Share 75%	\$79,911.00	County Share 25%	\$26,637.00
Phase II	CAP-	\$100,384.00	State Share 75%	\$75,288.00	County Share 25%	\$25,096.00
Phase II	SB-	\$142,241.00	State Share 75%	\$106,681.00	County Share 25%	\$35,560.00

## Capital Outlay:

\$300,000.00

## Taos County:

\$1,200,000.00

Total: \$2,182,885.00

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NM 150 & Leo Valencia  
Road B-077 Slope  
Stabilization Project

# Project Summary

Current geometry presents a high, unprotected, and steep embankment which supports Leo Valencia Road with eroding slopes that are near vertical and greater than 10 feet in embankment height. Slope stabilization will help protect the roadway from embankment failure and potential road closure. The proposed roadway work preserves the sustainability of NM 150 (Ski Valley Road) and Leo Valencia Road and maintains access for emergency services users, school buses, recreational uses.



# Project Description

Taos Ski Valley Road (NM 150) and Leo Valencia Road (B-077) are on the way to the Village of Taos Ski Valley. The roadway issues are inter-related in that erosion is causing the near vertical slope between Leo Valencia Road and Ski Valley Road (NM 150) to fail. This project proposes to stabilize the failing slope by mitigating drainage issues, and paving Leo Valencia Road for a short distance to improve the intersection and connection to NM 150.



# Justification: Economic Impact, Project Need

## **Taos Ski Valley Road (NM 150) and Leo Valencia Road (B077) road project will support the local and tourist community by:**

- This roadway connects residents and visitors to the Town of Taos and the Taos Ski Valley, where tourists are an important part of the local and regional economy.
- Improving this location helps maintain the local economy and provides an avenue to grow the local economic tax base.
- Resident commuter benefits (Reduction of vehicle operating costs such as fuel or vehicle maintenance)
- Taos Ski Valley as a major economic generator for the region. The importance of keeping this roadway open cannot be understated
  
- **Taos Ski Valley Road (NM 150) and Leo Valencia Road (B-077) is essential to Taos County, as it is a primary artery that supports the local traffic to the Village of Taos Ski Valley**
- This local NM route and connecting local county roadway has high cut slopes that are unstable due to erosion, and which abut NM 150 which is the only route to the Taos Ski Valley. If the high cut slope continues to erode, there is a likely hood that the only access to Taos Ski Valley and Taos Ski Village will be blocked. Safe bus routes to transport students to school
- By maintaining the existing roadway while improving the safety and mitigating the embankment slope erosions will preserve roadway assets where both Taos County and the NMDOT have a shared interest.

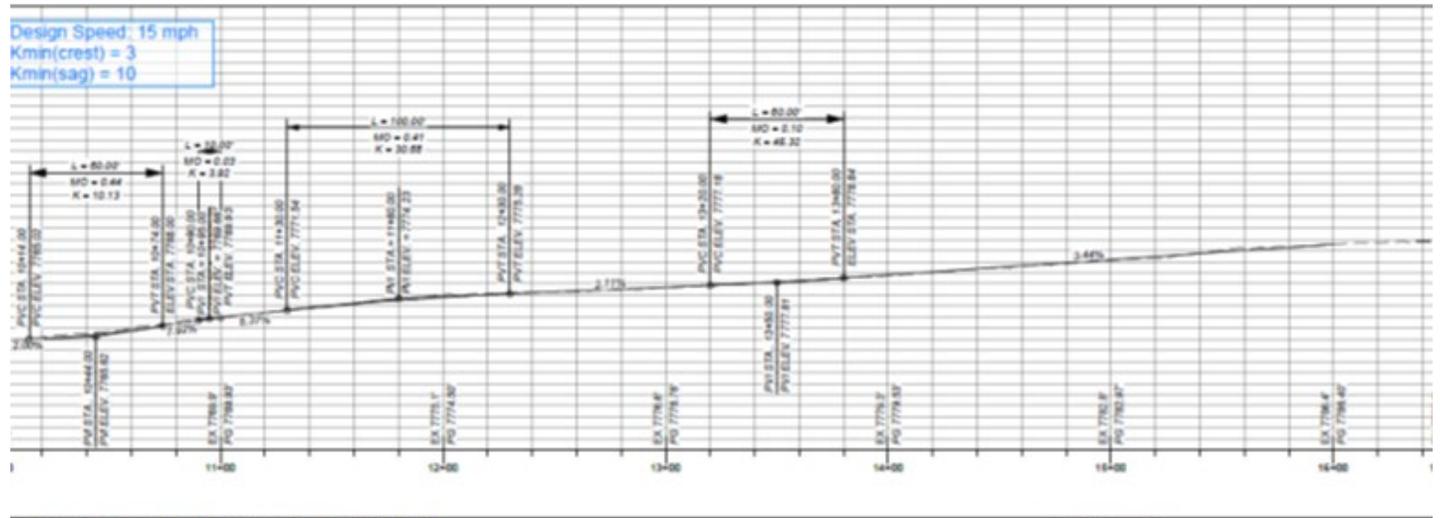
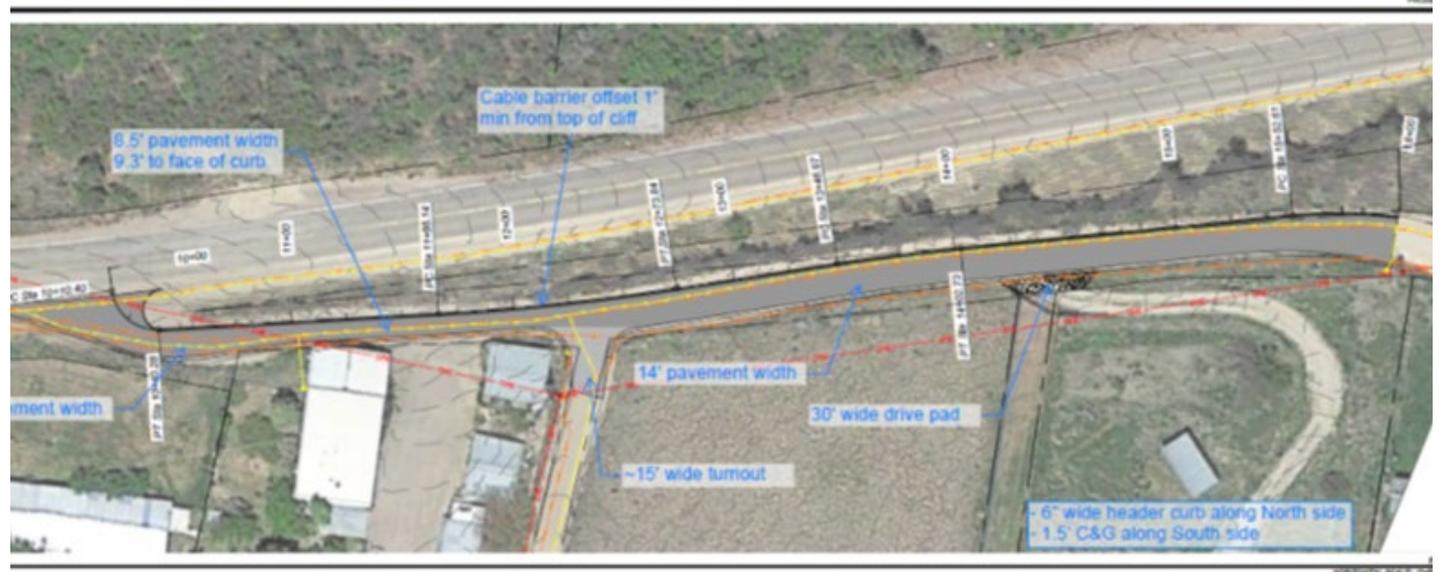
**Justification:**  
Quality of Life,  
Safety,  
Environmental  
Sustainability

**Taos Ski Valley Road (NM 150) and Leo Valencia Road (B-077) road project infrastructure will improve the quality of life and community engagement of Taos residents by:**

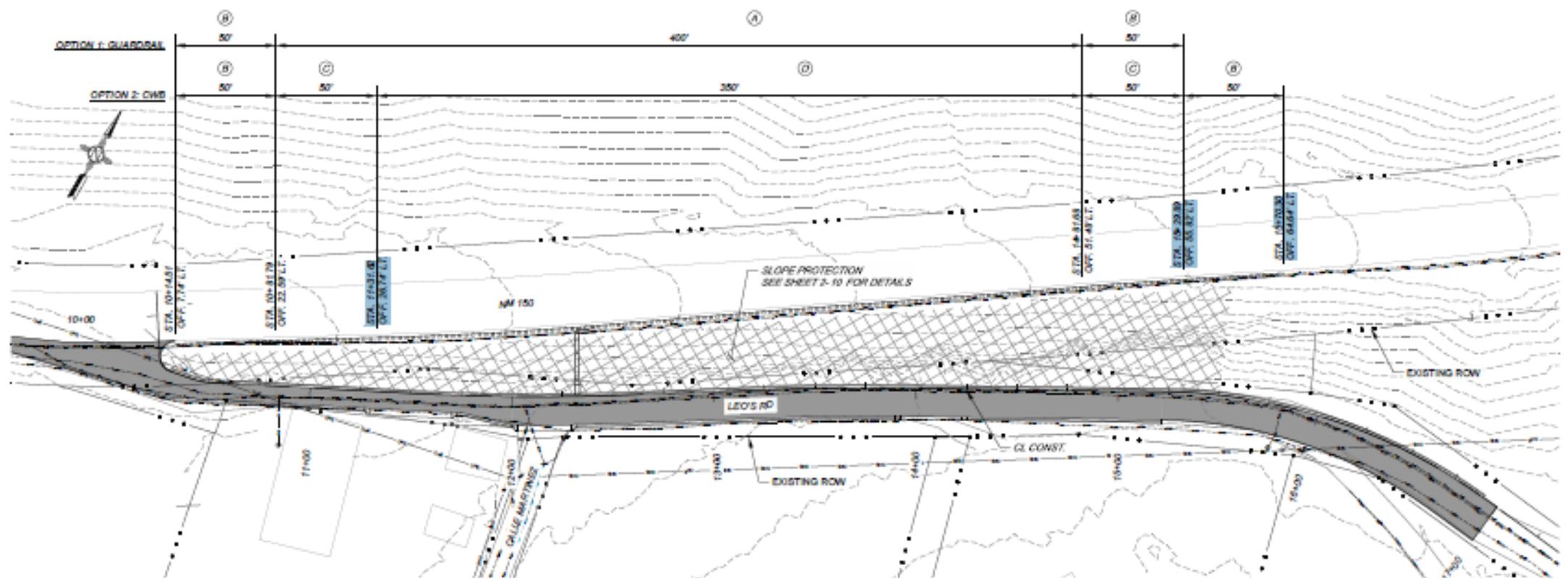
- Deliver economic benefit to the community
- Reduce travel time
- Provide safe access for connecting roads
- Quality of life is then improved through being able to enjoy the benefits of the Taos Ski Valley in terms of outdoor recreation.

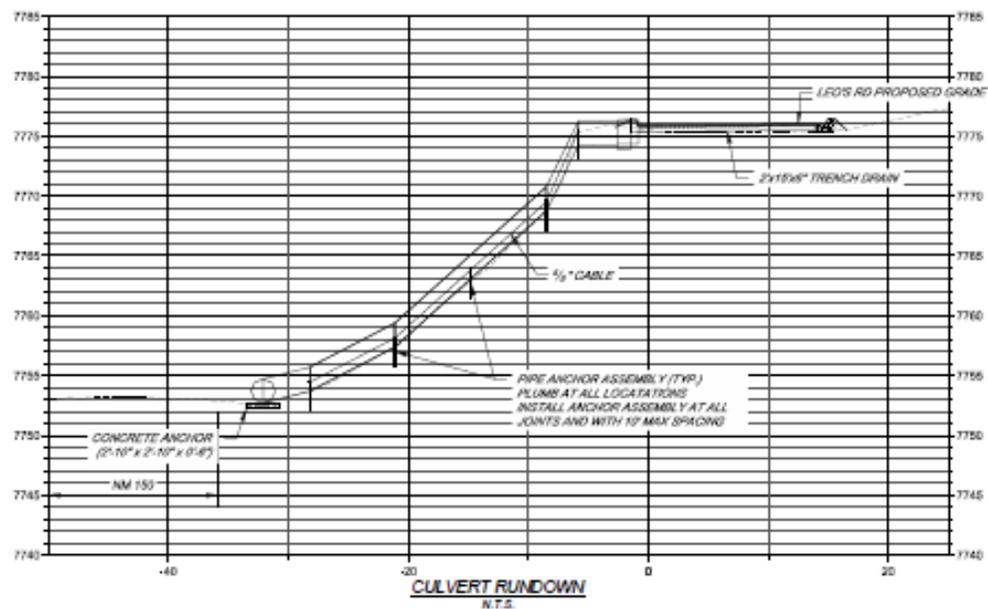
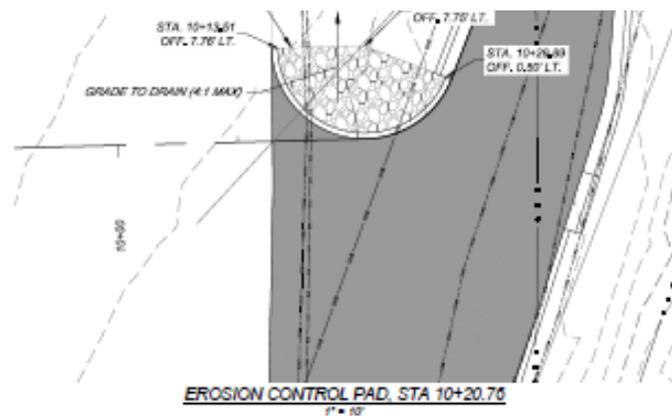
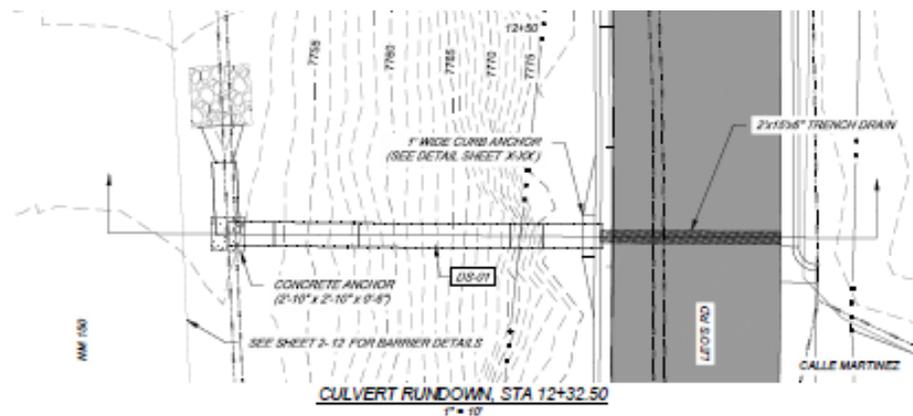
# Project Summary

Taos County is performing design for the described project and location. A geotechnical report is complete, conceptual drawings are complete, drainage analysis is being accomplished, pavement surfacing recommendations are complete, rights of way and rights of way documentation are complete.









**NOTES:**

1. CONTRACTOR TO FIELD VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO EXCAVATION
2. MAKE ALL JOINT CONNECTIONS WATER TIGHT BY PLACING A 1/2" BEAD OF CALULING UNDER EACH HALF OF THE JOINT BEFORE TIGHTENING
3. SEE FINA DETAIL W506-14 FOR PIPE ANCHOR ASSEMBLY DETAIL.

NO.	DESCRIPTION	SHEET	TOTAL
1			
2			
3			
4			
5			

REVISED OR CHANGE HISTORY:

TAOS COUNTY

LEO VALENCIA ROAD  
ROADWAY CONSTRUCTION

DRAINAGE DETAILS

NOT FOR CONSTRUCTION

Rio Chiquito Bridge

#7760

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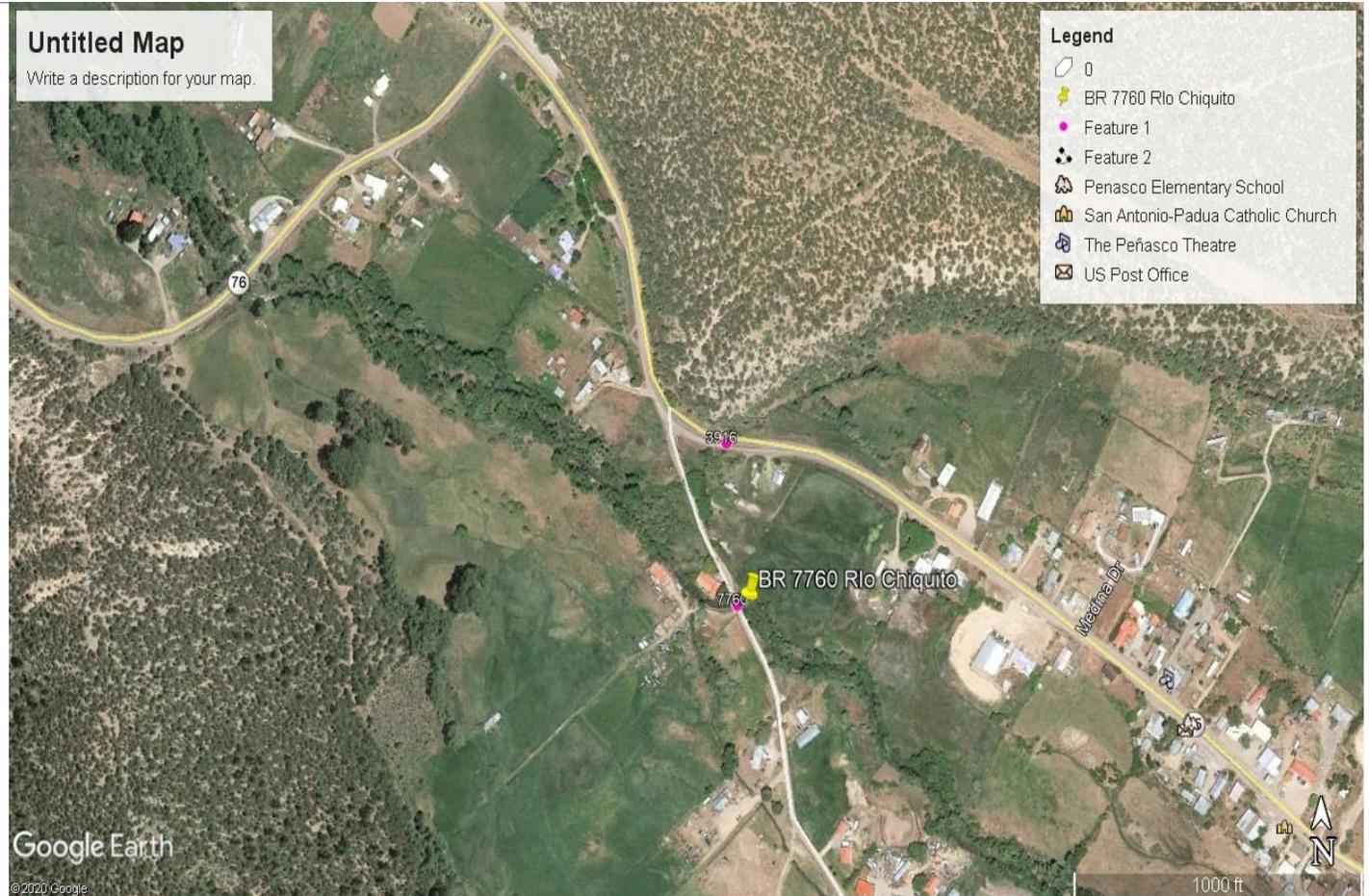
# Project Summary

The proposed improvements include a new one land bridge deck, new safety barriers, new roadway signage, a new bearing abutment potentially using GRS foundations. The deck could potentially use Press Brake Tub Girders (PBTG) girders which are targeted by AASHTO and the FHWA as an innovative choice to aid in the reliability of local crossing short span bridge structure throughout the United States. The use of PBTGs would be an exciting choice and could foreseeably set a sustainable replacement trend to use these prefabricated shallow decks for short span bridges throughout New Mexico as well as the United States. Rights of way are limited and using the prefabricated approach reduced permitting needs as well as time of construction needs. Small communities depend on every bridge crossing to sustain all facets of their lives. PBTGs are designed and constructed in accordance with current bridge standards for load carrying capacity and will help fit unique width requirements for this rural location located in Penasco, Taos County, New Mexico.



# Project Description:

The scope of work for this Project is a: Bridge Replacement with a off state system, we plan to replace with a new One Lane bridge (Similar dimensions- slightly longer modern Bridge with barrier railing/safety appurtenances and approach slabs.)



# Justification: Economic Impact, Project Need

**Rio Chiquito Bridge 7760 project will support the local community by:**

- Resident commuter benefits (Reduction of vehicle operating costs such as fuel or vehicle maintenance)
- Economic housing development productivity
- Supporting uniform access of need for local development of adjoining parcels
- Commercial services such as propane delivery and septage services which has been halted due to current state of bridge
- Access to local and tourist destinations to explore outdoor recreational activities, and scenic areas.

**Rio Chiquito Bridge 7760 project is a critical component of a Taos County's infrastructure, making it possible access everyday needs such as:**

- Keeping communities safely connected.
- Accessing daily good and services
- Providing the local workforce access to and from their places of work.
- Safe bus routes to transport students to school
- Safe routes to support First Responders when dispatched

# Justification: Quality of Life, Safety, Environmental Sustainability

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**Rio Chiquito Bridge 7760 will improve the quality of life and community engagement of Taos residents by:**

- Deliver economic benefit to the community
- Less polluted environment
- Reduce travel time
- Provide safe access for connecting roads
- Community support

# 2022 TPF Criteria: Priority Bridge List

NMDOT RANK	BRIDGE ID	DISTRICT	OWNER	FACILITY	FEATURE INTERSECTED	WORK RECOMMENDATION	ESTIMATED COST	YEAR BUILT	DECK	SUPER	SUB	CULV	DECK AREA
1	8681	5	Rio Arriba Co	39-Z443	LOS PINOS RIVER	REPLACEMENT	\$456,947	1986	4 Poor	5 Fair	3 Serious	N N/A (NBI)	635
2	3807	5	Taos Co	55-B006	RIO HONDO	REPLACEMENT	\$449,501	1935	5 Fair	4 Poor	4 Poor	N N/A (NBI)	624
4	7760	5	Taos Co	55-Z023	RIO SANTA BARBARA	MAJOR REHAB	\$203,580	1974	5 Fair	3 Serious	5 Fair	N N/A (NBI)	377
5	9595	5	Taos Co	55-064	RIO DEL PUEBLO	REPLACEMENT	\$295,200	1992	6 Satisfactory	5 Fair	7 Good	N N/A (NBI)	410
8	2647	5	Taos Co	55-B057	COSTILLA CREEK	MAJOR REHAB	\$319,688	1940	N N/A (NBI)	N N/A (NBI)	N N/A (NBI)	4 Considerable Damage	592
9	7861	5	Rio Arriba Co	39-Z083	RIO QUEMADO	REHABILITATION	\$162,750	1975	6 Satisfactory	5 Fair	5 Fair	N N/A (NBI)	452

# Project Location Photos



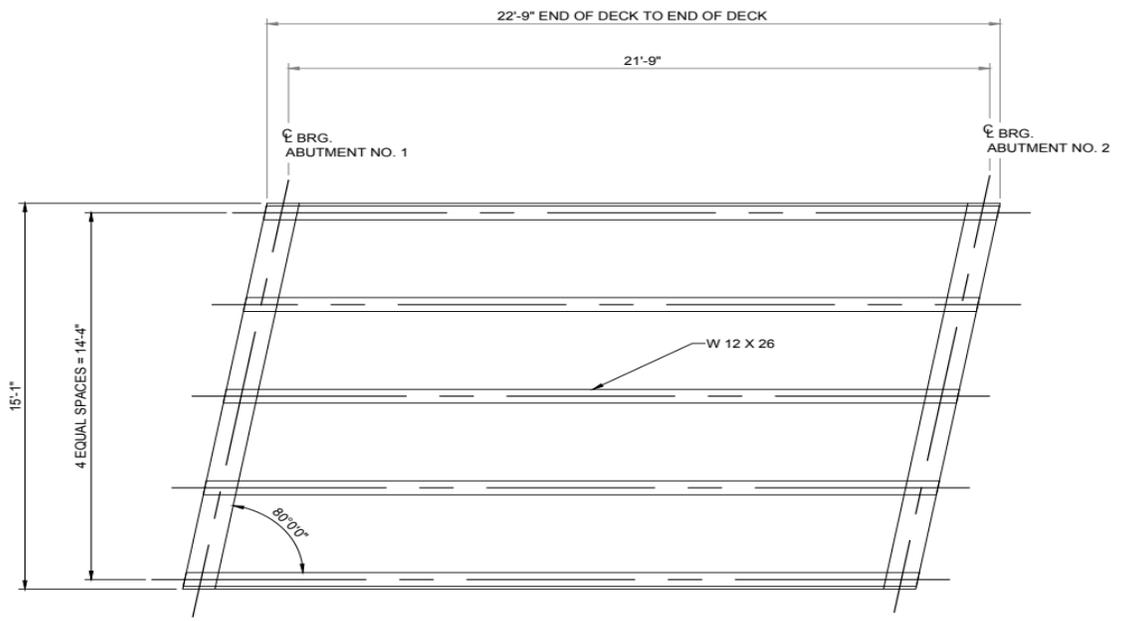
Visual signs of deterioration of timber plank decking due to ultraviolet light and high moisture conditions

# Project Location Photos



Wood degradation and metal corrosion





**STRUCTURE PLAN**

**NOTES:**

1. THESE DRAWINGS ARE BASED ON FIELD MEASUREMENTS BY: UNIVERSITY OF NEW MEXICO DEPT. OF CIVIL ENGINEERING SETH MCVEY ABRAHAM MENA
2. DATE OF FIELD MEASUREMENTS: 06/24/15
3. DRAWN BY: MAX DOWIS AND CHASE STEARNES
4. UNUSUAL FEATURES: WATER PIPE

**MATERIAL PROPERTIES AND LOADS**

STEEL:	36 ksi
CONCRETE (DECK):	N/A ksi
TIMBER BEAMS:	N/A psi
TIMBER DECK:	850 psi
SIP FORMS:	N/A psf
WEARING SURFACE (EXISTING):	N/A psf
UTILITIES:	0 plf

**LOAD RATINGS**

LFR RATINGS	
INVENTORY RATING	HS 4.1
OPERATING RATING	HS 6.9

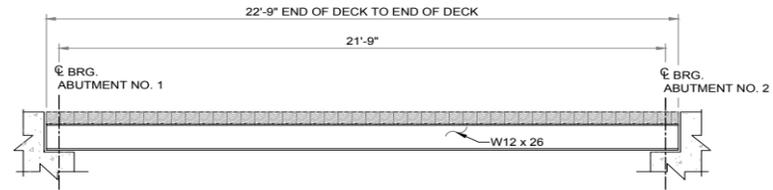
THESE RATINGS WERE COMPUTED BY THE LOAD FACTOR RATING (LFR) METHOD USING THE AASHTOWARE BRIDGE RATING PROGRAM VERSION 6.5.0.

**DISCLAIMER**  
THE INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON FIELD MEASUREMENTS AND ASSUMED MATERIAL PROPERTIES. NEITHER THE NMDOT NOR THE ABOVE ORGANIZATION GUARANTEES THE ACCURACY OF THE DATA.

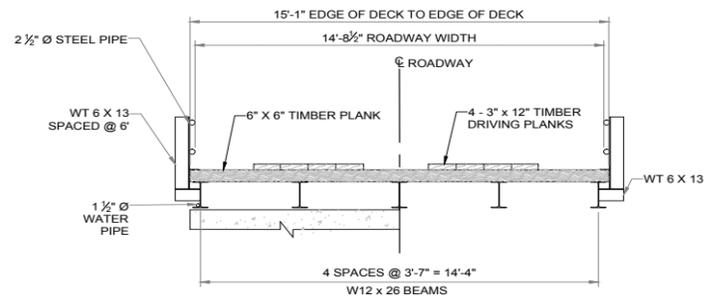


REVISIONS			
NO.	DESCRIPTION	DATE	BY

**NEW MEXICO DEPARTMENT OF TRANSPORTATION**  
RIO CHIQUITO RD OVER RIO SANTA BARBARA  
BRIDGE NO. 07760  
**STRUCTURE PLAN**



**STRUCTURE PROFILE**



**HALF SECTION @  
ABUTMENTS**

**HALF SECTION NEAR  
CENTER OF SPAN**

**TYPICAL SECTION**

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**NEW MEXICO DEPARTMENT OF  
TRANSPORTATION**

RIO CHIQUITO RD OVER RIO SANTA  
BARBARA

BRIDGE NO. 07760

**STRUCTURE PROFILE &  
TYPICAL SECTION**

SHEET NO. 2/2

# Planning: Secured other Funding, Current Status



**1) Taos County secured funding to support the design of Rio Chiquito Bridge 7760 Project Bridge Replacement.**



**2) NEPA Environmental Process/401/404 permitting/Hazmat/ General Project Certifications**



**3) Survey and Mapping**



**4) GEOTECH, Drainage and Hydraulics**

# Aguas Caliente Bridge

## #8656

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# Project Description:

The scope of work for this bridge is a short-term rehabilitation to address recommended mitigations provided by NMDOT to Taos County for the Bridge Structure Evaluation Report (SER) dated 12/17/2019 and under NMDOT Cover Letter on February 6, 2020, which is eligible for TPF per NMDOTs call for projects.



# **Project Description:** Level of coordination with RTPPO, NMDOT, and district engineers in project development and compliance

- 1) Project Feasibility Form submittals was successful for – \$470,250.00 which includes Construction Management.**
- 2) NMDOT District 5 Environmental Analyst has drafted and submitted Pre-Construction Notification application to the USACE (United States Army Corps of Engineers)for the proposed Pilar Bridge Rehabilitation project.**
- 3) Funding Contract has been sent to Taos County-**
- 4)Taos County Public Works has executed a Task Order with WH Pacific to assist with letting the project out to Bid and the Review of potential bidders to identify a qualified contractor.**
- 5) WHP is reaching out to the construction community to try and increase interest for this project (specialty bridge work-wooden bridge)**

# Justification: Economic Impact, Project Need

**Aquas Caliente Bridge Renovation project will support the local community by:**

- Resident commuter benefits (Reduction of vehicle operating costs such as fuel or vehicle maintenance)
- Economic housing development productivity
- Supporting uniform access of need for local development of adjoining parcels
- Commercial services such as propane delivery and septage services which has been halted due to current state of bridge
- Access to local and tourist destinations to explore outdoor recreational activities, and scenic areas.

**Aquas Caliente Bridge Renovation is a critical component of a Taos County's infrastructure, making it possible access everyday needs such as:**

- Keeping communities safely connected.
- Accessing daily good and services
- Providing the local workforce access to and from their places of work.
- Safe bus routes to transport students to school
- Safe routes to support First Responders when dispatched

# Justification: Quality of Life, Safety, Environmental Sustainability

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**Aquas Caliente Bridge Renovation will improve the quality of life and community engagement of Taos residents by:**

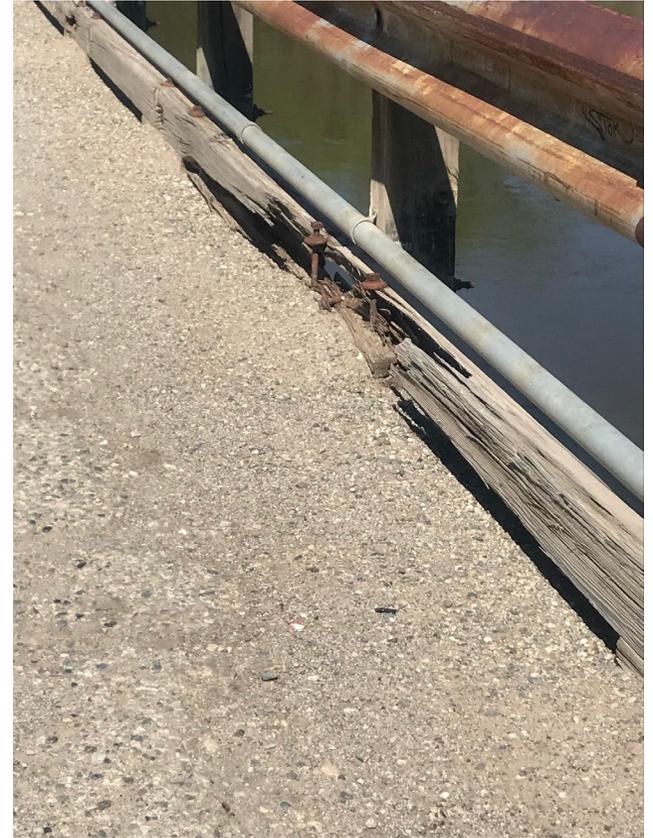
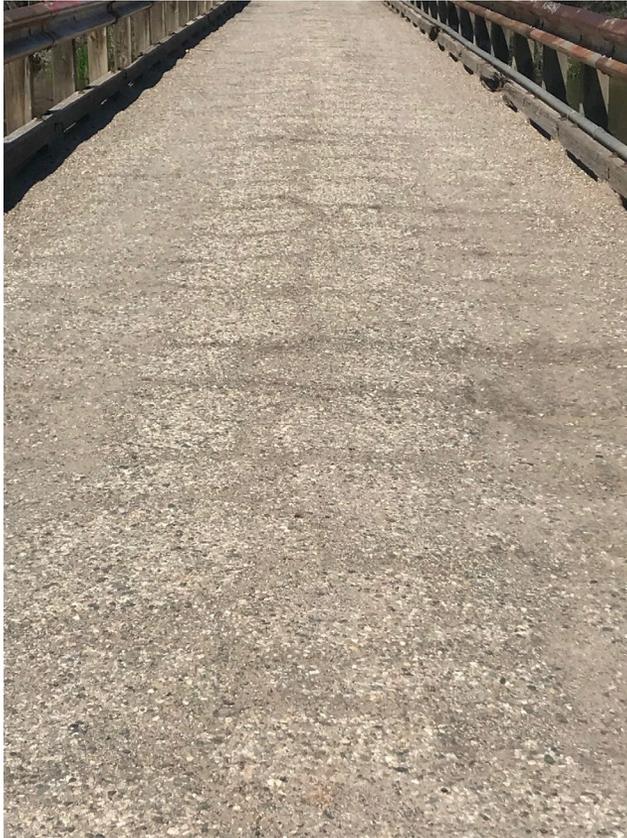
- Deliver economic benefit to the community
- Less polluted environment
- Reduce travel time
- Provide safe access for connecting roads
- Community support

# Request Readiness: R-O-W Acquisition, Clearances, Planning Docs, Timeline

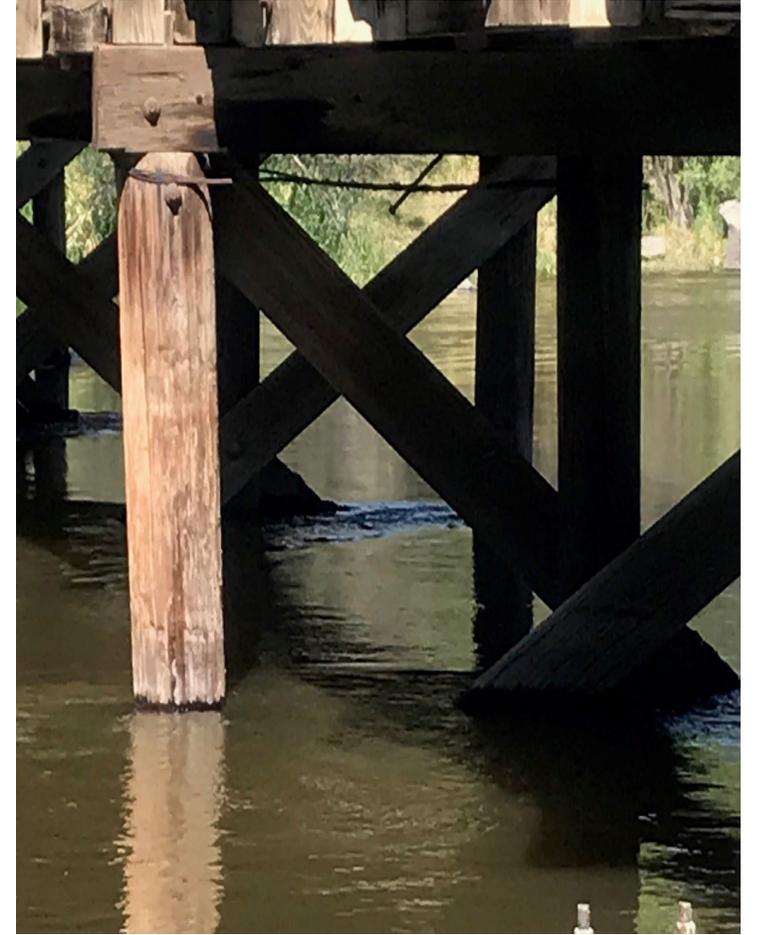
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The New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB) has received the Pre-Construction Notification (PCN) for the referenced project. This email confirms that the project as described in the PCN complies with the 2017 Clean Water Act Section 401 Water Quality Certification of the Nationwide Permit, pursuant to U.S. Army Corps of Engineers' Regional Condition 2(b).

# Project Location Photos

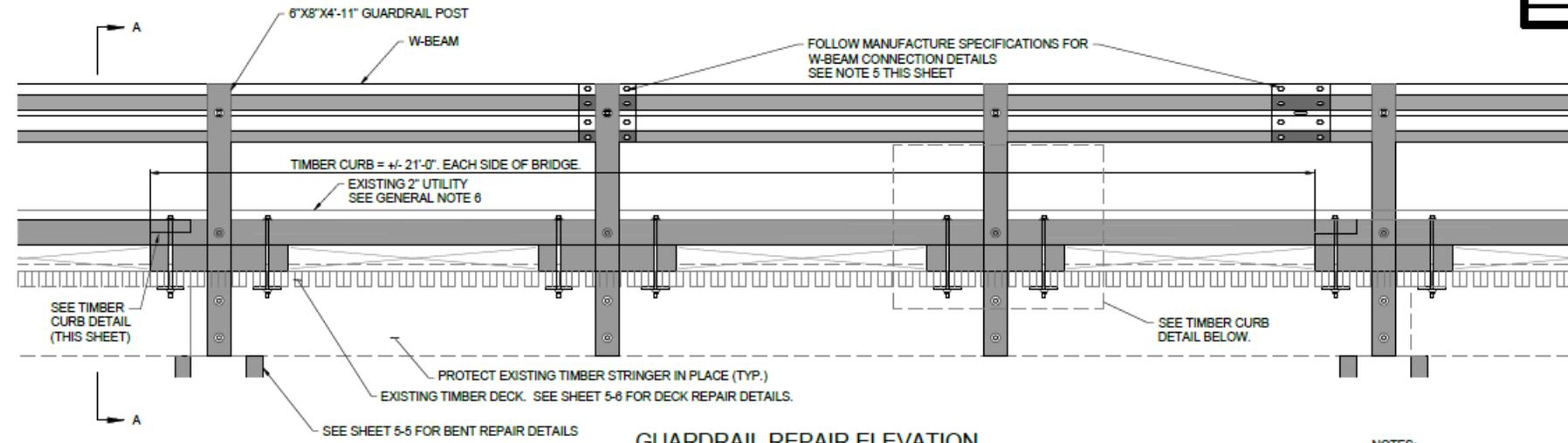


# Project Location Photos



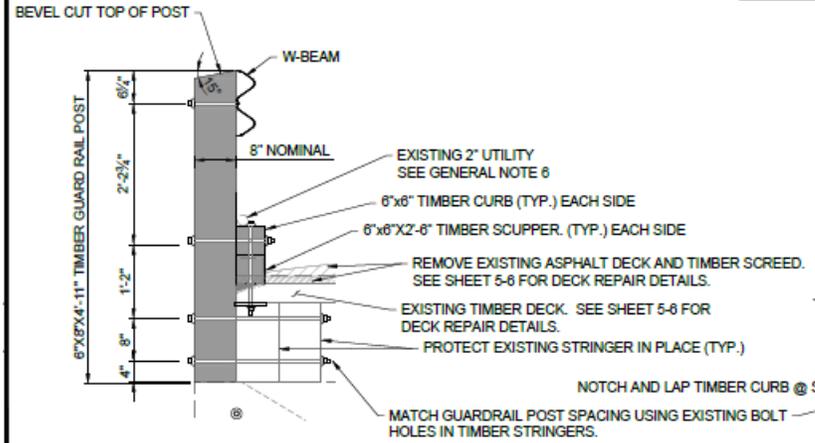






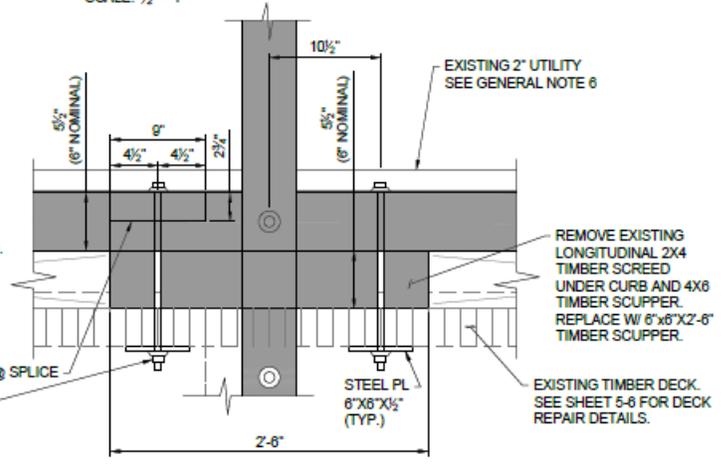
**GUARDRAIL REPAIR ELEVATION**

SCALE: 1/2" = 1'



**SECTION A-A  
GUARDRAIL REPAIR SECTION**

SCALE: 1/2" = 1'



**TIMBER CURB DETAIL**

SCALE: 1" = 1'

**NOTES:**

- EXISTING ASPHALT DECK OVERLAY AND TIMBER SCREEDS SHALL BE REMOVED AND DECK REPAIR MADE (AS REQUIRED) BEFORE INSTALLATION OF NEW GUARDRAIL AND TIMBER CURB ASSEMBLY. SEE SHEET 5-6 FOR ASPHALT REMOVAL, DECK REPLACEMENT AND TIMBER RUNNER INSTALLATION.
- CONTRACTOR SHALL ONLY REMOVE AND REPLACE AS MUCH GUARDRAIL AS CAN BE COMPLETED IN ONE WORK DAY. BRIDGE SHALL NOT BE LEFT WITHOUT AN ADEQUATE GUARDRAIL IN PLACE AT THE END OF EACH WORK DAY.
- POSTS AT BENTS DO NOT NECESSARILY ALIGN WITH THE CENTERLINE OF THE BENTS. MATCH EXISTING POST SPACING. UTILIZE EXISTING BOLT HOLES.
- CONTRACTOR SHALL PROVIDE MANUFACTURER SPECIFICATIONS FOR W-BEAM CONNECTIONS TO THE NMDOT CONSTRUCTION PROJECT MANAGER PRIOR TO INSTALLATION.
- WHERE GENERAL NOTES ARE REFERENCES, SEE SHEET 5-1

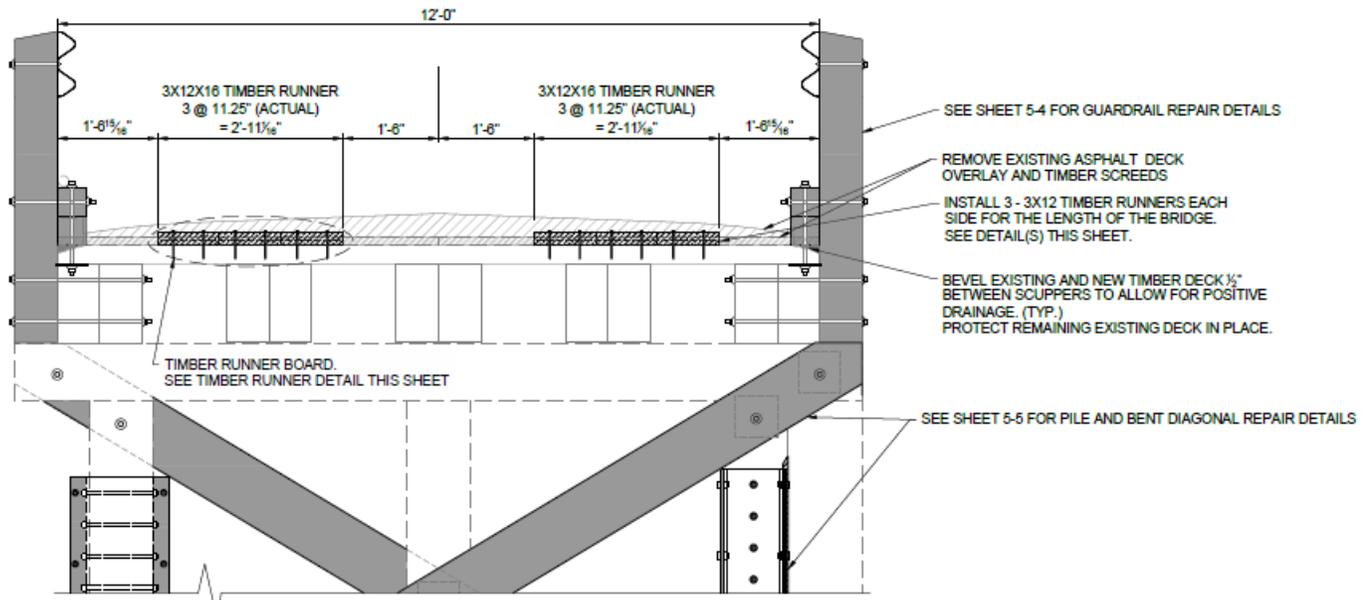
REVISIONS			
NO.	DESCRIPTION	DATE	BY

TAOS COUNTY

AGUAS CALIENTES RD BRIDGE  
PRESERVATION  
Bridge No. 8656

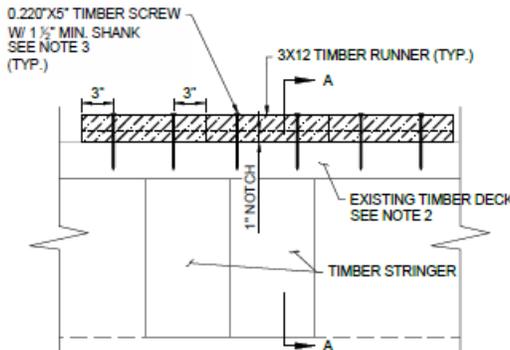
BRIDGE RAIL REPAIR DETAILS



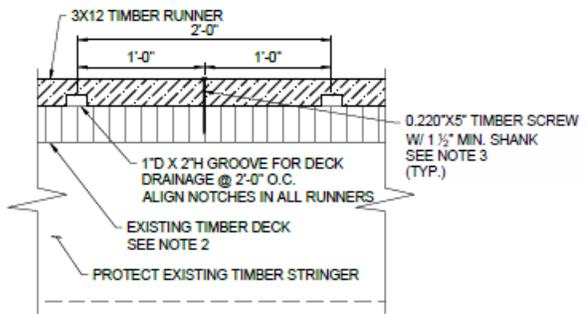


**TRANSVERSE SECTION**  
SCALE: 1/2" = 1'

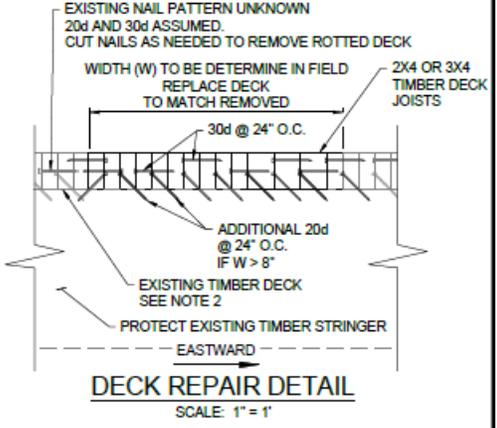
**TRANSVERSE SECTION HATCH LEGEND**  
  
 ASPHALT REMOVAL LIMITS  
 TIMBER SCREEN REMOVAL LIMITS  
 NEW TIMBER CONSTRUCTION



**TIMBER RUNNER DETAIL**  
SCALE: 1" = 1'



**SECTION A-A  
TIMBER RUNNER ELEVATION**  
SCALE: 1" = 1'



**DECK REPAIR DETAIL**  
SCALE: 1" = 1'

- NOTES:
- IF CONTRACTOR ELECTS TO REMOVE ASPHALT IN PHASES, THE CONTRACTOR SHALL INSTALL PERMANENT RUNNER BOARDS OR PROVIDE TEMPORARY SUPPORTS FOR TRAFFIC AT THE END OF EACH WORK DAY. A SMOOTH TRANSITION SHALL BE MADE BETWEEN IT AND THE TIMBER RUNNER BOARDS.
  - CONTRACTOR SHALL DELINEATE ROTTED DECK AREAS AND REVIEW WITH THE NMDOT CONSTRUCTION PROJECT MANAGER PRIOR TO REMOVING REMOVING AND REPLACING ROTTEN DECK.
  - TIMBER RUNNER BOARD SCREWS SHALL BE INSTALLED FLUSH WITH TIMBER RUNNER BOARDS OR THE CONTRACTOR MAY ELECT TO USE ROUND HEAD SCREWS.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

TAOS COUNTY

AGUAS CALIENTES RD BRIDGE  
PRESERVATION  
Bridge No. 8050

DECK REPAIR DETAILS



Thank you