

REQUEST FOR SEALED BID

1. SCOPE

The purpose of this request for sealed bid is to supply and deliver 45-ft long precast concrete slab girders to be supported on a geosynthetic reinforced soil (GRS) foundation per the attached Plans and these specifications to provide a 28-ft wide travel surface. The "Superstructure – Cousins Rd MP 3.15 Bridge" shall be designed to support AASHTO HL-93 loading per the latest version of the WSDOT Bridge Design Manual. Bridge dead loads shall include the supplied superstructure, 0.23-ft HMA overlay, a future 0.15-ft HMA overlay (not depicted), guardrail, extruded curb, and any other applicable permanent loads related to the superstructure. Precast units shall be connected using weld ties (or an approved equivalent) and grouted per the manufacturer's recommendation (on-site welding and grouting shall be by others). The outside slab girders shall include a drip edge and inserts for side mounted steel posts to support three-beam guardrail/bridge rail system with the ability to withstand TL-2 vehicle impacts (35 MPH speed zone, bridge rail design only by the manufacturer). Bridge rail and reducer section components to Type 31 Guardrail at the bridge approaches shall be supplied and installed by others, however, the manufacturer shall provide bridge rail design and threaded inserts for future guardrail attachment to the structure. Slab girders shall incorporate pigmented sealer at the exposed outside slab girders, and a bitumen coating at all GRS / slab girder backfill contact points (precast unit ends, bearing areas, and partial sides). The slab girder center joint and guardrail inserts at the outside precast units shall be designed to incorporate a 1.5% normal crown and 0.27% longitudinal slope per the Contract Plans.

Two sets of superstructure plans stamped and certified by a Civil Engineer licensed in the State of Washington shall be provided to Lewis County within forty-five (45) working days of contract award. Plans shall include connection details, guardrail details, lifting details, assembly, and installation details. Contract Plans depict Guardrail with the slab girder superstructure depth at 18-inches and 30-feet wide to accommodate a 28-foot (minimum) finished roadway surface. Variations in superstructure width and/or depth due to various manufacturer's forms or construction methods will be accepted provided all listed requirements and the 28-ft minimum roadway surface is achieved with the proposed superstructure.

2. NOTES

- For engineering questions, contact Project Engineer Rod Lakey via telephone at (360) 740-2780 or email (Rodney.Lakey@lewiscountywa.gov).
- Lewis County (Agency) reserves the right to ask for descriptive literature and technical specifications at the bidders' expense.
- The bid shall include cost of material as specified and **ALL** shipping to the project sites (Bid Item No. 1 to Cousins Rd MP 3.15 (closest address is 493 Cousins Rd, Chehalis, WA, 98532). No fuel surcharges shall be charged.
- Federal Tax Identification Number from IRS form W-9 is required on all invoices.
- Bidders are to submit a copy of any and all warranties for the proposed product(s) with their response. A copy of the warranties shall also accompany products delivered.
- Manufacturer shall determine concrete thickness, dimensions/configuration and design to achieve a 28-ft travel surface as depicted on Pages 5 through 8. Plans depict estimated thicknesses, dimensions, etc.

- Slab Girder dimensions may vary due to manufacturer's existing forms and/or process. The outside slab girders shall incorporate inserts for guardrail attachment meeting TL-2 impact loading or an alternate method approved by Lewis County. Bridge guardrail (designed by the Manufacturer) shall be capable of supporting TL-2 impact loading (35 MPH speed limit). Lewis County shall provide all guardrail material and installation utilizing inserts cast into the outside slab girders.

3. SPECIFICATIONS

The Contract shall be in accordance with the Washington State Department of Transportation 2018 Standard Specification for Road, Bridge, and Municipal Construction. All material components shall meet all requirements listed in the Washington State Department of Transportation 2018 Standard Specification for Road, Bridge, and Municipal Construction **Section 6-02 Concrete Structures** (including all applicable reference sections).

6-02.2 Materials

Section 6-02.2 is supplemented with the following:

(*****)

Asphalt for Waterproofing	9-11.1
Fence and Guardrail	9-16

6-02.3 Construction Requirements

6-02.3(14) Finishing Concrete Surfaces

Section 6-02.3(14) is supplemented with the following:

(*****)

The top surface of all slab girders shall have a light broom finish.

6-02.3(14)C Pigmented Sealer for Concrete Surfaces

Section 6-02.3(14)C is supplemented with the following:

(April 6, 2009)

The color of the pigmented sealer shall be Washington Gray.

(*****)

A coating shall be applied at slab girder to backfill contact points to prevent corrosion of the embedded concrete. Slab girder ends, sides and bearing areas shall be coated with CSS-1, Asphalt for Waterproofing or other approved material at the manufacturer's plant prior to slab girder shipment to the construction site.

6-02.4 Measurement

Section 6-02.4 is supplemented with the following:

(August 2, 2010)

Superstructure – Cousins Road MP 3.15 Bridge contains the following approximate quantities of materials and work:

PRESTRESSED CONC. SLAB GIRDERS (45-ft x 30-ft)	1,350	S.F.
CORROSION PREVENTION COATING (3.83-ft from Ends)	343	S.F.
PIGMENTED SEALER (Bottom & Side of O/S Slab Girders)	330	S.F.
BRIDGE GUARDRAIL POST INSERTS	90	L.F.

The quantities are listed only for the convenience of the Manufacturer in determining the volume of work involved and are not guaranteed to be accurate. The prospective bidders shall verify these quantities before submitting a bid. No adjustments other than for approved changes will be made in the lump sum contract price for *** Superstructure – Cousins Road MP 3.15 Bridge *** even though the actual quantities required may deviate from those listed.

6-02.5 Payment

The third bid item under Section 6-02.5 is supplemented with the following:

(June 26, 2000)

All costs in connection with furnishing and delivering the prestressed concrete slab girders, corrosion prevention sealer (at embedded concrete areas), pigmented sealer, and inserts for three-beam guardrail system (and guardrail design only) shall be included in the lump sum contract price for **** Superstructure – Cousins Road MP 3.15 Bridge****.

Lewis County anticipates placing the structure in mid-August 2020. Therefore, the structure shall be cast and ready for inspection no later than August 7, 2020. The manufacturer shall coordinate with Lewis County for delivery (by the Manufacturer) and material offload (by Lewis County's Contractor) at the project site (Cousins Rd MP 3.15, closest address is 493 Cousins Rd, Chehalis, WA, 98532). The successful bidder shall provide storage of all bid items for a period of up to fifteen months (if needed due to unforeseen circumstance such as a local emergency elsewhere in the County).

4. PUBLIC OPENING OF PROPOSAL

Date and Time of Bid Opening

The Board of County Commissioners of Lewis County or designee, will open sealed proposals and publicly read them aloud on or after 11:00 a.m. on February 18, 2020, at the Lewis County Courthouse, Chehalis, Washington, for the Precast Concrete Bridge Material Purchase – CMP 1502 Cousins Road MP 3.15 Culvert Replacement Project.

SEALED BIDS MUST BE DELIVERED BY OR BEFORE

11:00 A.M. on Tuesday, February 18, 2020

(Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners. Bids submitted after 11:00 AM will not be considered for this project.)

Delivery and Marking of Sealed Bid Proposals

Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532) by or before 11:00 a.m. on the date specified for opening, and in an envelope clearly marked: ***“SEALED BID FOR PRECAST CONCRETE BRIDGE MATERIAL PURCHASE – CMP 1502 COUSINS ROAD MP 3.15 CULVERT REPLACEMENT PROJECT, TO BE OPENED ON OR AFTER 11:00 A.M. ON TUESDAY, FEBRUARY 18, 2020”***

All bid proposals shall be accompanied by a **bid proposal deposit** in cash, certified check, cashier's check or surety bond in an amount **equal to five percent (5%) of the amount of such bid proposal**. Should the successful bidder fail to enter into such contract within the time stated in the specifications, the bid proposal deposit shall be forfeited to the Lewis County Public Works Department.

5. BID SUBMITTALS (Entries shall be typed or entered using an ink pen)

PRICE SHEET

Item	Description	Quantity	Unit	Unit Price	Total Price
1	Superstructure – Cousins Road MP 3.15 Bridge 45-ft Long by 30-ft Wide (approximate) Precast Concrete Slab/Girder Bridge with Bridge Guardrail Design/Inserts, Corrosion Coating, Pigmented Sealer and Delivery (493 Cousins Rd, Chehalis, WA, 98532)	1	Lump Sum	_____	_____
SUBTOTAL					_____
Washington State Sales Tax 7.8%					_____
TOTAL					_____

6. CONDITIONS

By signature below, the Authorized Official(s) of the company submitting this Proposal do hereby acknowledge that in the event this Proposal is deemed to be the lowest responsive bid, this document shall be construed to be the legal contract for the purchase of the materials specified herein. The successful bidder shall be liable, and hereby agrees to reimburse Lewis County, for any and all costs incurred by Lewis County due to delays in the delivery of any materials specified herein beyond the agreed delivery date as identified in Part 1. The liability for costs due to material delivery delays shall be limited to the total cost of the bid for the materials as contained in this Proposal. Please be apprised that a bid bond shall accompany this proposal in order for this proposal to be valid as per the Call for Bid.

*Receipt is hereby acknowledged of Addendum(s) **if applicable** by initialing and dating:

Addendum 1 Initial/Date: ____/____

Addendum 2 Initial/Date: ____/____

SIGNATURE OF AUTHORIZED OFFICIAL(S)

Proposal Must be Signed

Company Name

Address

Unified Business Identifier (U.B.I.) No.

Telephone #

Federal ID No.

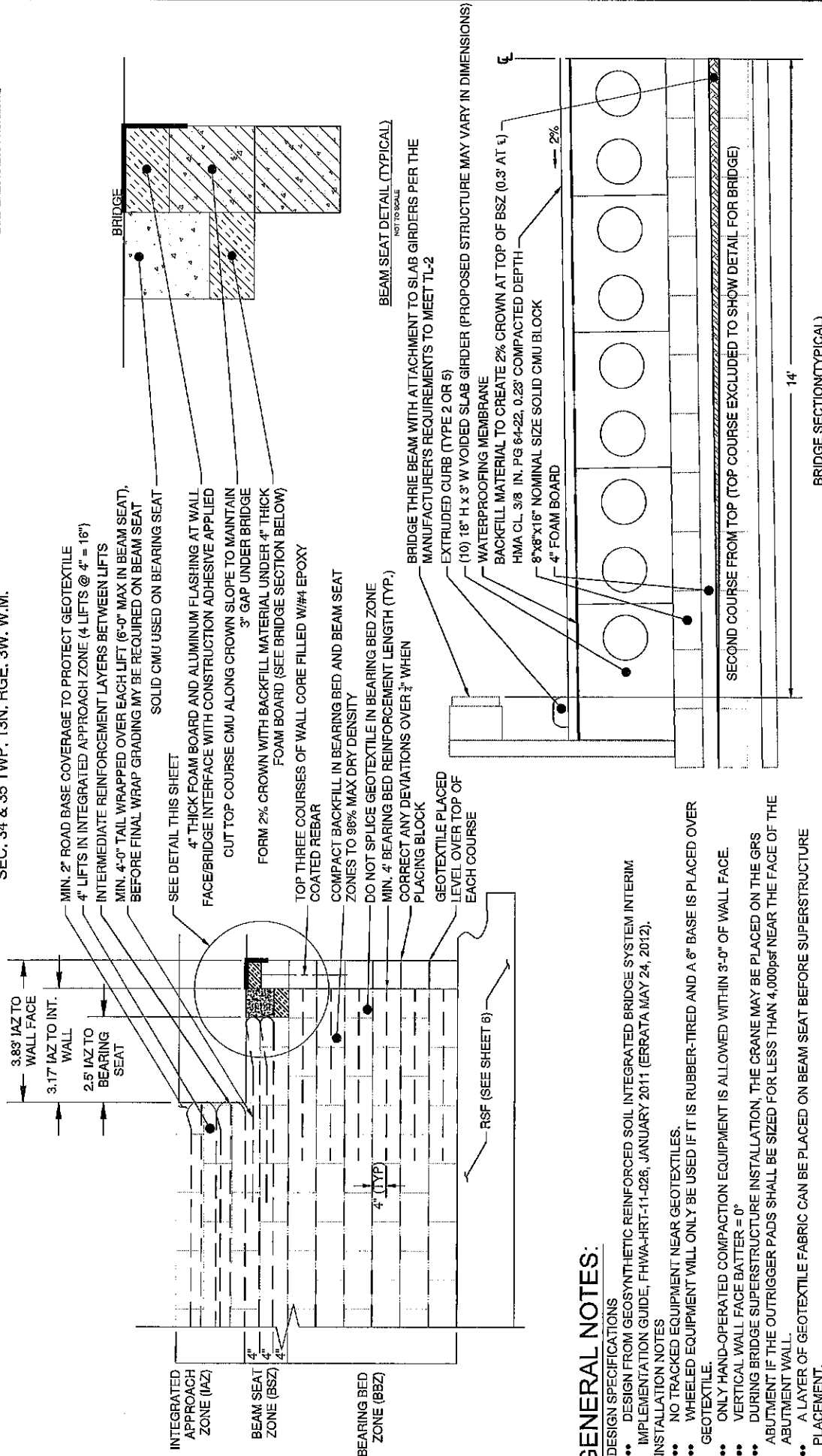
FOR COUNTY USE ONLY

AWARD RESOLUTION NO. _____

APPROVED: _____
County Engineer

LAND LINES ARE APPROXIMATE

SEC. 34 & 35 TWP, 13N, RGE. 3W, W.M.



GENERAL NOTES:

- DESIGN SPECIFICATIONS
- DESIGN FROM GEOSYNTHETIC REINFORCED SOIL INTEGRATED BRIDGE SYSTEM INTERIM IMPLEMENTATION GUIDE, FHWA-HRT-11-026, JANUARY 2011 (ERRATA MAY 24, 2012).
- INSTALLATION NOTES
- NO TRACKED EQUIPMENT NEAR GEOTEXTILES.
- WHEELED EQUIPMENT WILL ONLY BE USED IF IT IS RUBBER-TIRED AND A 6" BASE IS PLACED OVER GEOTEXTILE.
- ONLY HAND-OPERATED COMPACTION EQUIPMENT IS ALLOWED WITHIN 3'-0" OF WALL FACE.
- VERTICAL WALL FACE BATTER = 0"
- DURING BRIDGE SUPERSTRUCTURE INSTALLATION, THE CRANE MAY BE PLACED ON THE GRS ABUTMENT IF THE OUTRIGGER PADS SHALL BE SIZED FOR LESS THAN 4,000psf NEAR THE FACE OF THE ABUTMENT WALL.
- A LAYER OF GEOTEXTILE FABRIC CAN BE PLACED ON BEAM SEAT BEFORE SUPERSTRUCTURE PLACEMENT.
- DO NOT SLIDE OR DRAG SUPERSTRUCTURE ON BEAM SEAT DURING PLACEMENT.

DESIGNED BY: RTL
 DRAWN BY: WSR
 CHECKED BY:
 DATE: 4/16/2018

NO. | DATE | REVISION | BY | APP.

COUSINS ROAD MP 3.15
 CULVERT REPLACEMENT

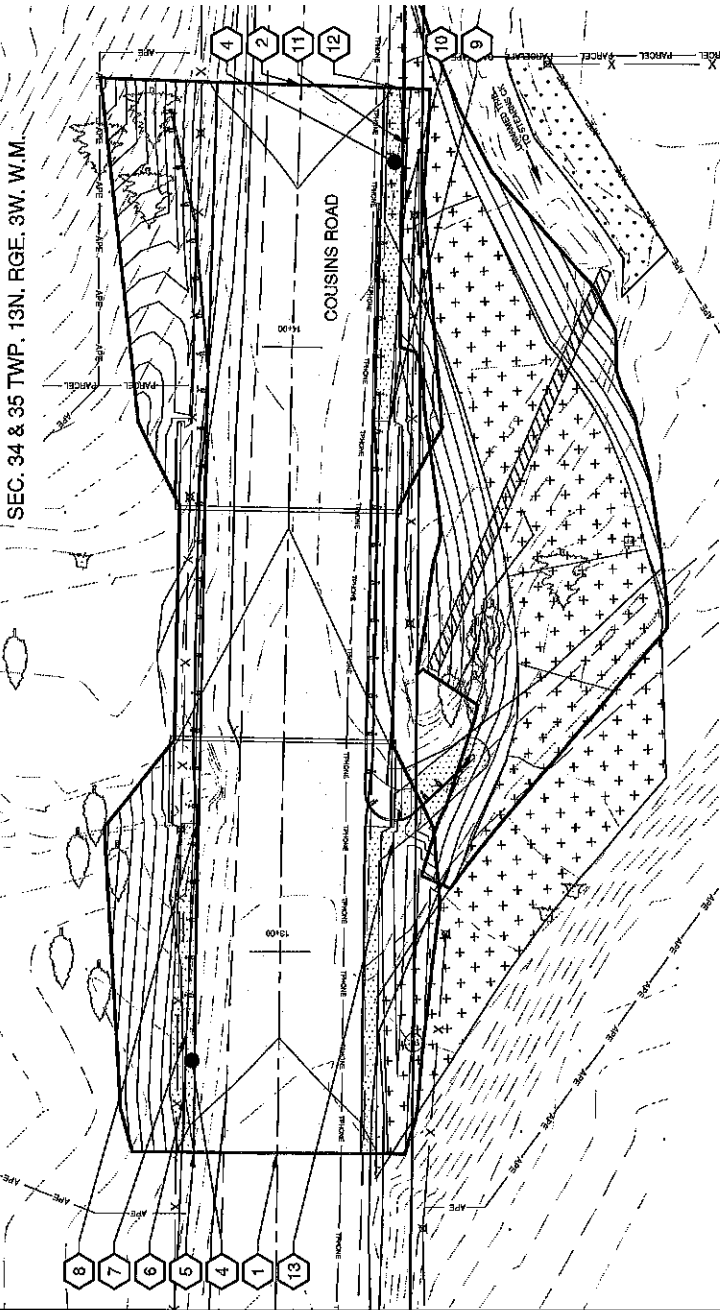
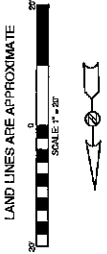
COUNTY MAINTENANCE PROJECT NO. 1502
 STRUCTURAL EARTH WALL DETAILS

SHEET 5 OF 8

CALL NUMBER: 4000
 PROJECT NO.: 1502
 SHEET NO.: 5 OF 8
 DATE: 15-JUL-20

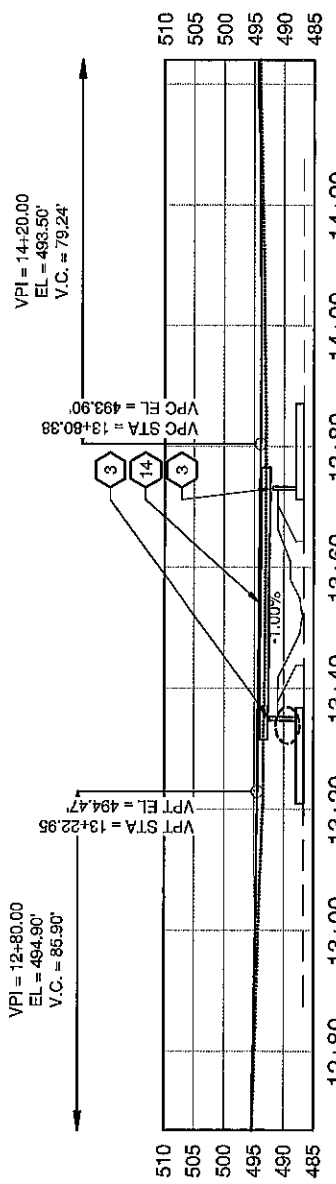
Richard Troy Lacey, P.E.
 State Engineer
 Department

SEC. 34 & 35 TWP. 13N. RGE. 3W. W.M.



CONSTRUCTION NOTES:

- 1 BEGINNING OF PROJECT: STA: 12+57 N. 100387.033 E. 100387.128 ELEV: 495.99'
- 2 END OF PROJECT: STA: 14+44 N. 463320.613 E. 100377.762 ELEV: 494.93'
- 3 STRUCTURAL EARTH WALL PER DETAILS ON SHEETS 8 AND 9.
- 4 GUARDRAIL LANDINGS PER WSDOT STANDARD PLAN C-22-45-03.
- 5 STA: 12+66.78 13.86 LT
- 6 STA: 12+76.11 15.15 LT
- 7 STA: 12+86.11 15.24 LT
- 8 STA: 13+20.82 14.13 LT
- 9 STA: 13+68 14.3 RT
- 10 STA: 14+24.26 15.81 RT
- 11 STA: 14+34.26 15.57 RT
- 12 STA: 14+43.45 14 RT
- 13 GUARDRAIL LANDING PER WSDOT STANDARD PLAN C-28.60-04 FOLLOW EDGE OF DRIVEWAY WITH 2.5' WIDTH OF LANDING EXCLUDING CULVERT AREA.
- 14 45' L X 30' W PRECAST CONCRETE SLAB GIRDER BRIDGE

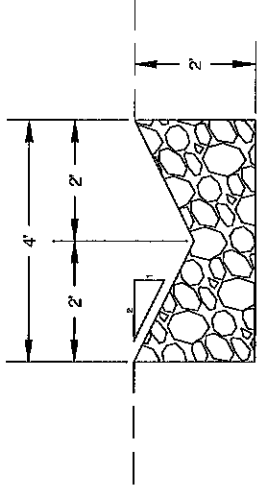
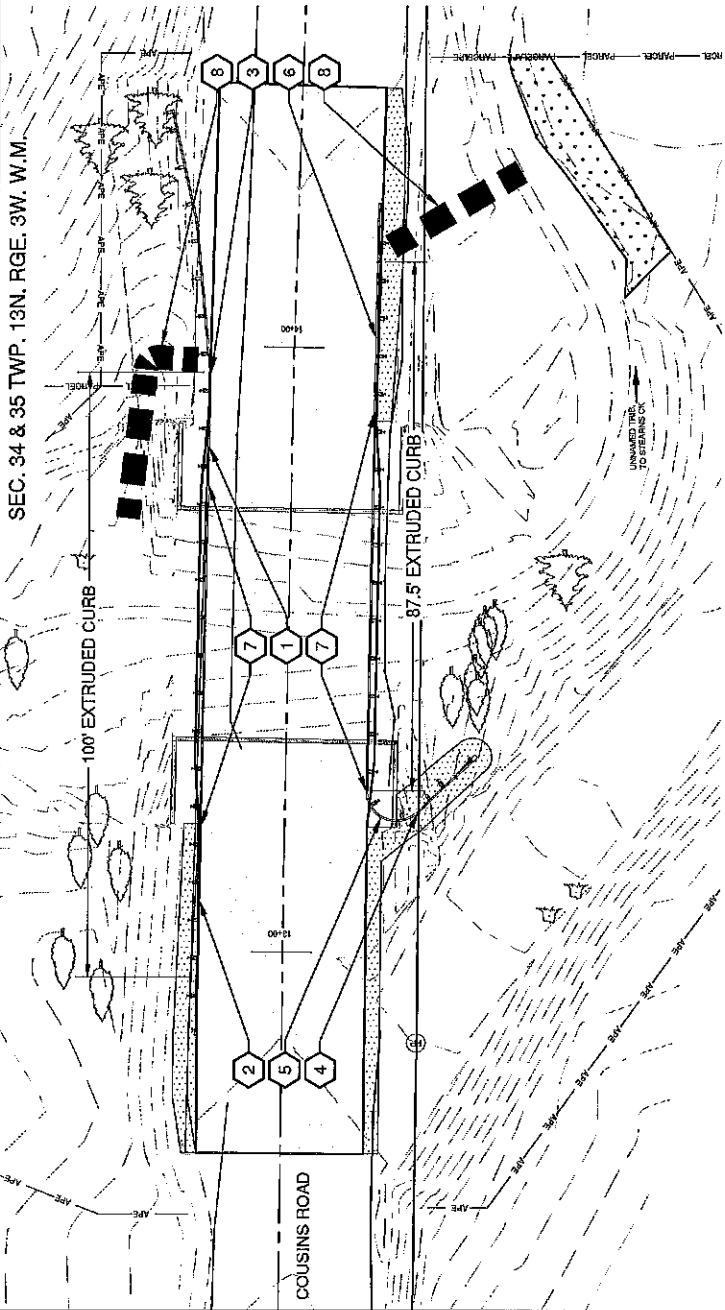


	DESIGNED BY: RTL DRAWN BY: WBR CHECKED BY: DATE: 01/12/19	REVISION <table border="1" style="width: 100%; height: 40px;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>APP.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY	APP.					COUNTY MAINTENANCE PROJECT NO. 1962 ROAD PLAN AND PROFILE	SHEET 6 OF 8	SCALE: 1" = 20'
	NO.	DATE	BY	APP.									
COUSINS ROAD MP 3.15 CULVERT REPLACEMENT	PROJECT NO. 1962 ROAD PLAN AND PROFILE	SHEET 6 OF 8	COUNTY MAINTENANCE PROJECT NO. 1962 ROAD PLAN AND PROFILE	SHEET 6 OF 8	SCALE: 1" = 20' 								

2025 NE GREASY AVE.
 CHEWALIS WA 98532
 PHONE # (360) 740-1123
 FAX # (360) 740-2719

Rodney Troy Lacey, P.E.
 Senior Engineer
 Geotechnical
 DATE: 05-28-20

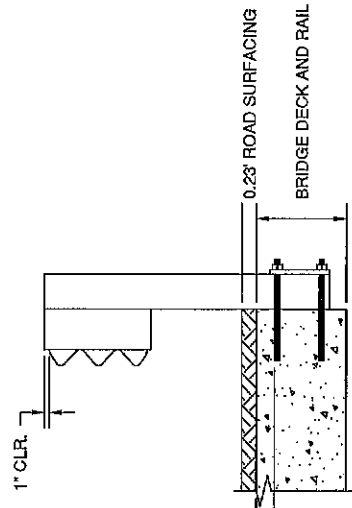
SEC. 34 & 35 TWP. 13N. RGE. 3W. W.M.



QUARRY SPALL LINED DITCH
NOT TO SCALE

CONSTRUCTION NOTES:

- 1 BEAM GUARDRAIL TYPE 31 STA: 13+83.16 TO 13+85.65 13.75 LT
- 2 BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (PER STANDARD PLAN C-22.45-03) STA: 12+86.11 TO 13+20.65 13.71 LT
- 3 BEAM GUARDRAIL TYPE 31 BURIED TERMINAL TYPE 2 (PER STANDARD PLAN C-22.18-06) STA: 13+95.65 TO 14+38.70 20.84 LT
- 4 BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 10 (PER STANDARD PLAN C-28.60-04) STA: 13+55.09 TO 13+58.28 22.20 RT
- 5 BEAM GUARDRAIL TYPE 31 4.75' RADIUS (1 PIECE)
- 6 BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (PER STANDARD PLAN C-22.45-03) STA: 13+88.40 TO 14+24.25 13.43 RT
- 7 BRIDGE RAIL (INCLUDED IN SUPERSTRUCTURE) WITH TRANSITIONS TO PROPOSED TYPE 31 TERMINALS AND RAIL
- 8 QUARRY SPALL LINED DITCH AS PLACED IN THE FIELD BY ENGINEER (SEE DETAIL THIS SHEET)



PER MANUFACTURER'S DESIGN
0.23' ROAD SURFACING
BRIDGE DECK AND RAIL ATTACHMENT PER MANUFACTURER'S APPROVED DESIGN

DESIGNED BY: RTL
DRAWN BY: JLR
CHECKED BY:
DATE: 4/1/2018

2025 NE KRESKY AVE.
CHENAI, WA 98532
PHONE # (360) 740-1128
FAX # (360) 742-2718

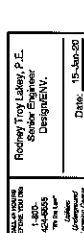
NO.	DATE	REVISION

BY: APR

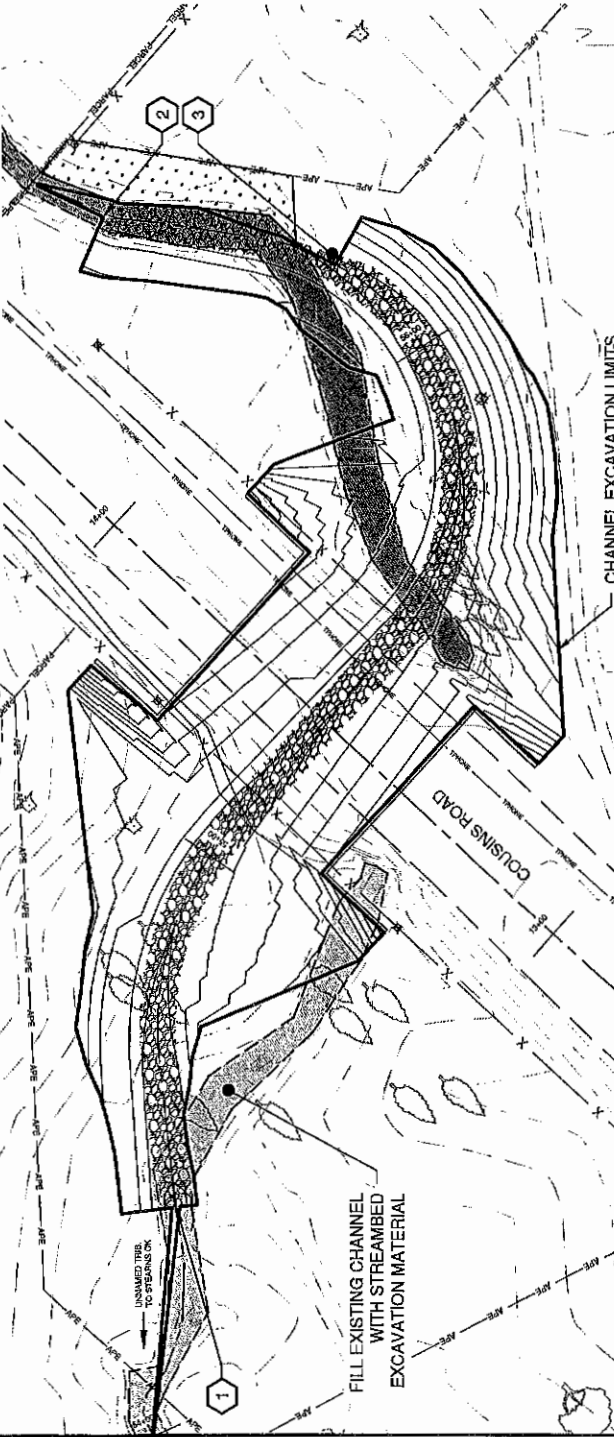
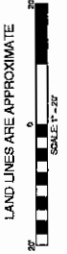
COUSINS ROAD MP 3.15
CULVERT REPLACEMENT

COUNTY MAINTENANCE PROJECT NO: 1602
GUARDRAIL PLAN

SHEET 7 OF 8
Rodney Troy Leary, P.E.
Professional Engineer
DESIGNER
DATE: 12-Sep-20

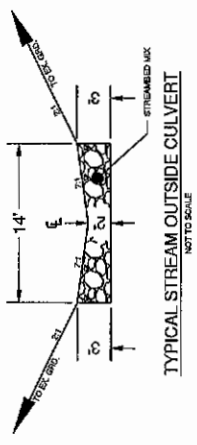


SEC. 34 & 35 TWP. 13N. RGE. 3W. W.M.



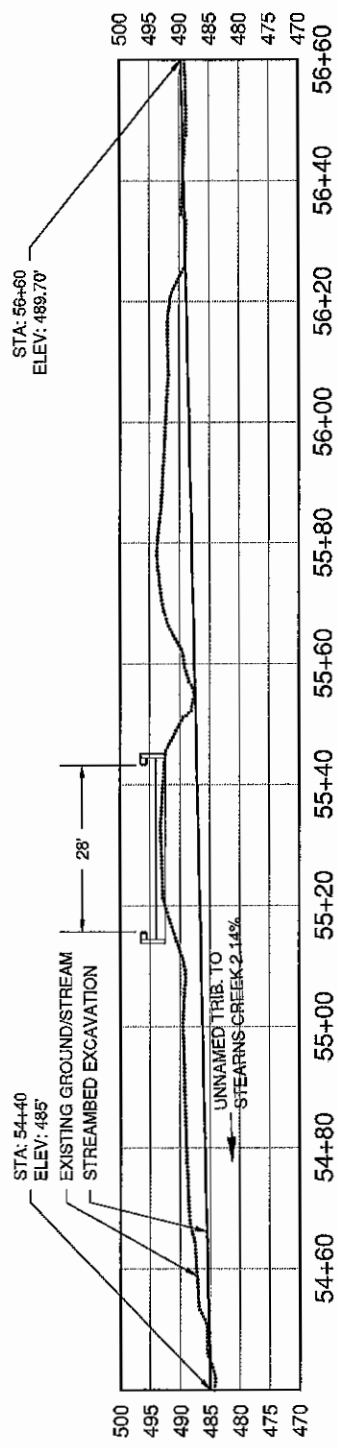
Proposed Streambed Centerline

Start Station	End Station	Length	Radius	Direction	PI Station
54+00	54+40	40.00'		S47°02'24"W	54+20.00
54+40	54+50	10.00'	50'	S47°02'24"W	54+45.00
54+50	54+60	10.00'	42'	S47°02'24"W	54+55.00
54+60	54+70	10.00'	42'	S47°02'24"W	54+65.00
54+70	54+80	10.00'	42'	S47°02'24"W	54+75.00
54+80	54+90	10.00'	42'	S47°02'24"W	54+85.00
54+90	55+00	10.00'	42'	S47°02'24"W	54+95.00
55+00	55+10	10.00'	42'	S47°02'24"W	55+05.00
55+10	55+20	10.00'	42'	S47°02'24"W	55+15.00
55+20	55+30	10.00'	42'	S47°02'24"W	55+25.00
55+30	55+40	10.00'	42'	S47°02'24"W	55+35.00
55+40	55+50	10.00'	42'	S47°02'24"W	55+45.00
55+50	55+60	10.00'	42'	S47°02'24"W	55+55.00
55+60	55+70	10.00'	42'	S47°02'24"W	55+65.00
55+70	55+80	10.00'	42'	S47°02'24"W	55+75.00
55+80	55+90	10.00'	42'	S47°02'24"W	55+85.00
55+90	56+00	10.00'	42'	S47°02'24"W	55+95.00



CONSTRUCTION NOTES:

- 1 NEW ROAD CONTOURS OMITTED THIS SHEET TO AVOID CLUTTER.
- 2 BEGINNING OF PROJECT: STA: 54+40 N: 463325.746 E: 1003341.891 ELEV: 489.70'
- 3 END OF PROJECT: STA: 56+60 N: 463444.013 E: 1003460.859 ELEV: 486.00'
- 4 STREAMBED MIX



DESIGNED BY: RTL
DRAWN BY: WSR
CHECKED BY:
DATE: 4/11/2018

2005 NE KREISKY AVE.
SHERBOURNE, IA 50577
PHONE # (562) 740-1128
FAX # (562) 740-2719

NO. DATE REVISION BY

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COUNTY MAINTENANCE PROJECT NO: 1962

COUSINS ROAD MP 3.15

CULVERT REPLACEMENT

STREAM PLAN AND PROFILE

LEWIS COUNTY
Department of Public Works

SHEET 8 OF 8

Project: Cousins Road
Scale: As Shown
Date: 15-Jan-20