



Lewis County Department of Public Works

Josh S. Metcalf, PE, Director

Tim D. Fife, PE, County Engineer

Change of Scope Request

3/3/2021

Agency: Lewis County

Project Title: Centralia Alpha Road Improvements Project

Project Number: CRP-2084 and RAP No. 2119-01

Scope Change

This Scope Change request is to shift the project limits from mileposts 10.60 - 11.85 to mileposts 10.638 - 11.85, which changes the project length from 1.25 miles to 1.212 miles. This is a reduction of approximately 200 feet in project length. All of the other parameters in the Prospectus will remain the same. No additional RAP funding will be necessary to complete this project as proposed.

History

Lewis County was previously awarded a \$2,200,000 RAP grant to complete roadway improvements on Centralia Alpha Road between mileposts 10.60 and 11.85 for a total length of 1.25 miles in the 2019-2021 Biennium. The total project cost was initially estimated to cost \$4,333,000 at the time of the submittal. Approximately \$1,634,000 of Lewis County Rural STP funding has been programmed and approved by for the construction phase of this project. The balance of the project will be funded with Lewis County Road Funds.

This project was submitted as an RC-Reconstruction project. The project included widening of the existing 26' wide road to a 30' roadway, providing guardrail, the improvement of intersection alignments, and other safety work.

The beginning milepost (10.60) of the project was chosen in order to realign a vertical curve and to assess the entrance to a campground for a turn lane for their road approach. As our design has progressed we have determined that no turn lane is warranted, and the vertical curve can be constructed within the proposed project limits (10.638 - 11.85). In order to complete the

Road Maintenance &

Fleet Services

476 West Main St.
Chehalis, WA 98532
O 360.740.3380
F 360.740.2741

Administration, Engineering, Utilities, Real Estate Services & Traffic

2025 NE Kresky Ave.
Chehalis, WA 98532
O 360.740.1123
F 360.740.1479

Solid Waste Services

Post Office Box 180
Centralia, WA 98531
O 360.740.1451
F 360.330.7805

required roadway widening between mileposts 10.60 and 10.638 it would require us to replace an existing culvert with a much larger, longer, and expensive structure, and to relocate and construct a new road approach to the campground. These two items were not accounted for in the original cost estimate, and the existing culverts and road approach function properly, are in good condition, and meet design standards. In addition, the property owners within this section have given us the indication that any Right-of-Way acquisition may be challenging and could potentially cause delays in construction, and Thousand Trails has not been receptive to the idea of relocating their road approach.

Justification

By shifting the entire length of the project to the new mileposts we anticipate the following:

1. Avoidance of the substantial cost of replacing an existing culvert with a much larger/longer structure.
2. Avoidance of the additional costs to relocate the driveway access to the Thousand Trails Campground. Thousand Trails is a 300-acre campground with 315 campsites. The existing road approach meets current standards.
3. Avoidance of project delays anticipated by Right-of-Way challenges from adjacent property owners.
4. No additional RAP funding will be necessary to complete this project.
5. Our review of the project scoring for this project resulted in no scoring change. Therefore, this project would have been funded in the 2019-2021 Biennium if it would have been submitted with the termini proposed in this scope change.

Please consider this as Lewis County's formal request for this Scope Change. The completed Change of Scope Request Form has also been uploaded to RAP Online.



Tim D. Fife, P.E.
County Engineer

3-4-21
Date

Attachments: Change of Scope Request Form, SWR RAP Rating Worksheet, Vicinity Map, accident data

REQUEST FOR CHANGE IN SCOPE - RAP FUNDED PROJECT

COUNTY ROAD ADMINISTRATION BOARD -

(If requesting additional RATA funds, increase request form must also be attached)

Insert Information in shaded areas.

>> **Lewis** County requests a change in scope to the RATA funded project listed below:

ROAD NAME: **Centralia Alpha** RAP PROJ NO. **2119-01**
BEGIN M.P. **10.60** END M.P. **11.85**
RATA approved: **04/25/2019** Project RATA funds paid to the County: **98,965.00**
Proposed milepost limits 10.64 to 11.85

>> The proposed scope change will revise the prospectus items and rating points as follows:

	Road conditions affected by Scope Change		Rating points affected by Scope Change	
	Prospectus:	Proposed	Original	Proposed
Project Length	1.25	1.212		
Design Speed				
Accident History				
Traffic Volume				
Roadway Width				
Lane / Pavement Width				
Shoulder Width				
Vertical Alignment / Grade				
Horizontal Alignment				
Structural Section				

(Visual structural or surface condition points will be re-scored by CRABstaff)

Revised prospectus **Worksheets** and **Vicinity Map** are: **X**
attached to be sent to CRAB

>> The county requests this scope change because:

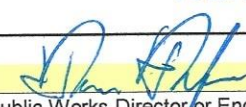
This Scope Change Request is to shift the project limits from mileposts 10.60 - 11.85 to mileposts 10.638 - 11.85, and the project length from 1.25 miles to 1.212 miles (approximately 200'). All of the other parameters in the Prospectus will remain the same. No additional RAP funding will be necessary to complete this project as proposed.

(attach additional sheets if necessary)

>> The scope changed project is or will be funded from the following secured or potential sources:

Name of funding source:	Amount:	Secured?
RATA	\$ 2,200,000.00	Yes
STP-R	\$ 1,634,000.00	Yes
County Funds	\$ 499,000.00	Yes

Total cost \$ 4,333,000.00

>> Scope change request submitted by: 
Public Works Director or Engineer

on: **3-4-21**
date

County:
Project Name:

Lewis
Centralia Alpha Road Improvements

RAP RC project SW REGION

Revised

RC RATING SUMMARY:			
	Possible Points	Scored Points	
<u>TRAFFIC:</u>			
TRAFFIC VOLUME	10	10.00	
TRAFFIC ACCIDENTS	10	4.00	
TRAFFIC SUBTOTAL	20	14.00	
<u>ROAD CONDITION:</u>			
Surfaced Roads	50	50.00	
Dirt or Gravel Roads	50	0.00	
STRUCTURE SUBTOTAL		50.00	
<u>GEOMETRIC</u>			
Pavement Width	10	1.00	
Road Bed Width	10	10.00	
Gravel, Roadbed Width only	15	0.00	
Horiz. and Vert. Alignment	20	0.00	
GEOMETRICS SUBTOTAL	30	11.00	
STRUCTURE AND GEOM. COMBINATION	Available 80	Raw Score 61.00	Final 61.00
TOTAL SWR RAP WORKSHEET RATING	100	75.00	

Note:

1. Points for the Road Surface Condition Rating other than Gravel Surfaced will be assigned by CRAB staff.
2. No points are allowed for conditions not to be improved by the project.
3. Points assigned must be in proportion to percent of the minimum design standard achieved.

Proposals below design standards may require WSDOT deviation approval.

TRAFFIC

✓ 768 AADT
1.21 LENGTH, (miles)
07 FUNCTION CLASS

Last 3 full years: ACCIDENTS

1	P.D. ONLY ACCIDENTS
3	INJURY (non fatal) ACCIDENTS
	FATAL ACCIDENTS

STRUCTURE RATING

PAVEMENT SURFACE

PSC preformed by CRAB

PSC provided by CRAB 55

RC Score 50

Pavement distress types and measurements are defined by Northwest Pavement Management Association Pavement Surface Condition Field Rating Manual for Asphalt Concrete and Portland Cement Concrete.

POINTS

<u>PSC</u>	<u>(RC)</u>
0	20
10	25
20	30
30	35
40	40
50	45
60	50
70	40
80	25
90	15
100	0

GEOMETRY

	EXIST	See tables at right	PROPOSED	STANDARD
PVMT WIDTH, Lanes	24		24	22 PVMT
ROADBED WIDTH (Paved Roads)	24	or	30	30 ROAD
GRAVEL ROADBED WIDTH				ROAD

'Roadbed' is shoulder to shoulder

TERRAIN:		Minimum Des. Speed:
FLAT		40
ROLLING	x	
MOUNTAINOUS		

LIST ALL DEFICIENT CURVES

HORIZ. CURVES:

[See sheets below](#)

Ball Bank	Proposed	Percent	
Speed	Speed	Improved	
50	50		1
50	50		2
			3
			4
			5
			6
			7
			8
			9
			10
			11
			12
			13
			14
0.00	Points	100% Avg.	

VERT. CURVES:

[See sheets below](#)

Exist. Sight	Length of	Proposed	Percent	Exist. Safe
Distance	Curve, ft	Speed	Improved	Speed
360	400	50		45
344	400	50		44
0.00	Points		100% CUM. Avg	

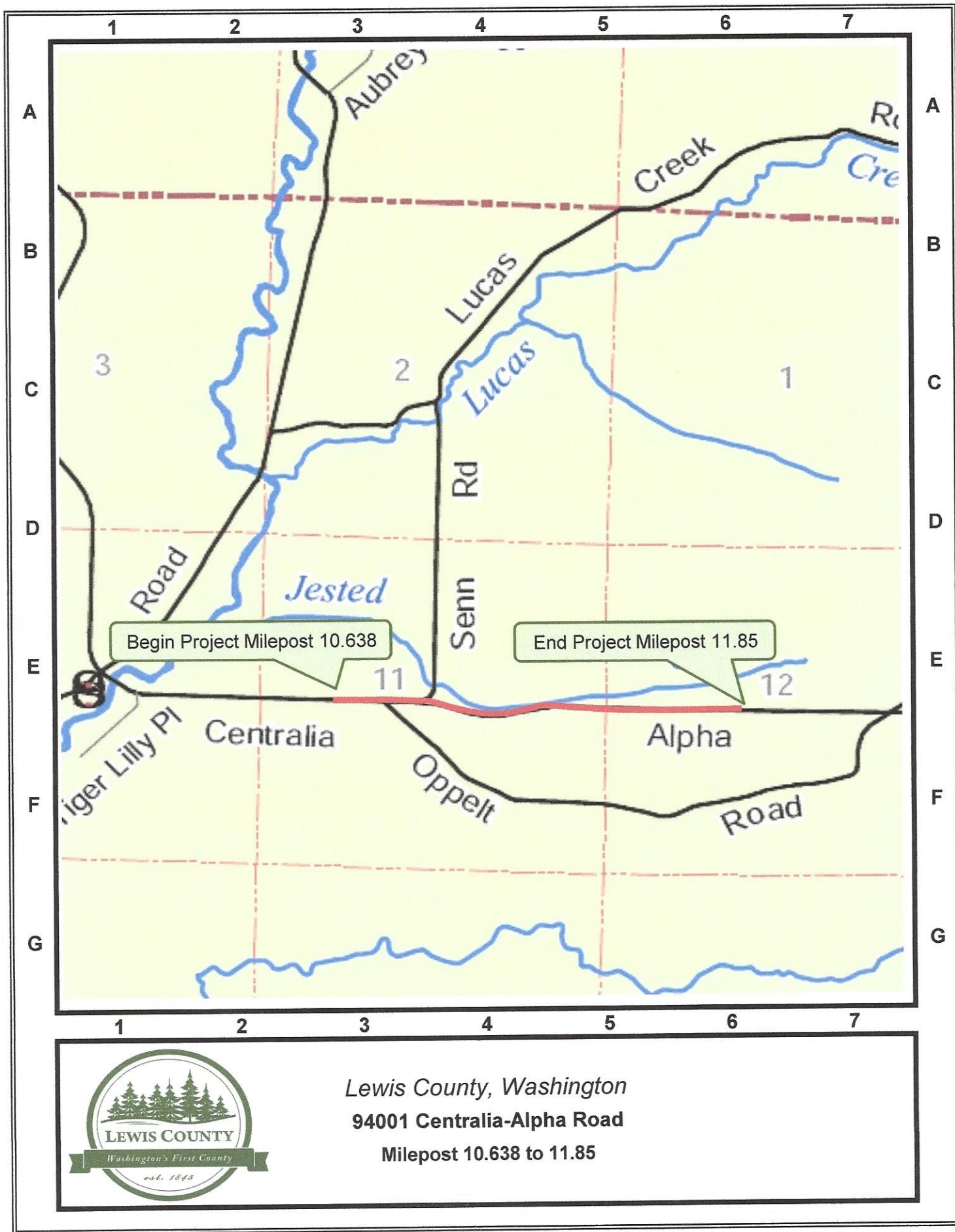
800 Deficient length

Bid	CountyName	RoadName	TY	BM	EM	Visual/ Surf	Point	RATA Request	RATA Authoriz	Short Fund
16	Grays Harbor	Garrard Creek Road Realignment	RC	3.10	3.60		81.16	1,287,000	1,235,833	51,167
16	Cowlitz	South Cloverdale Road	3R	0.13	0.79		71.52	1,300,000	1,217,243	82,757
16	Thurston	Vail Road SE	3R	1.76	3.27		64.63	1,800,000	1,186,443	613,557
18	Lewis	Jackson Hwy S	DR	2.09	2.13		74.68	499,500	355,300	144,200
18	Mason	North Shore - Cady Creek	DR	6.90	7.00		67.00	500,000	465,972	34,028
18	Pacific	Stringtown Road Culvert	DR	0.12	0.17		51.53	499,500	372,568	126,932
18	Wahkiakum	Eden Valley Road drainage improve	DR	1.90	2.10		50.00	481,500	206,500	275,000
18	Clark	NE Munch Road	3R	0.00	0.59		45.82	950,000	700,000	250,000
18	Skamania	Wind River Road	2R	1.99	3.51		34.10	670,500	504,000	166,500
→	Lewis	Centralia Alpha	RC	10.60	11.85	50				
	Wahkiakum	Loop Road	RC	1.05	1.25	45				
	Cowlitz	Dike Road	2R	3.05	5.32	38				
	Lewis	Hwy 603	3R	10.90	11.70	30				
	Pacific	Raymond - South Bend Road	3R	1.45	1.62	30				
	Skamania	Washougal River Road	3R	11.62	12.96	30				
	Wahkiakum	Jacobson Road	3R	0.00	0.33	30				
	Clark	SE Blair Road	2R	2.47	3.91	26				
	Pacific	Udell Hansen Road	3R	0.00	0.73	25				
	Pacific	South Fork Road	3R	3.60	5.52	25				
	Lewis	Bunker Creek 3R	2R	0.28	0.82	21				
	Mason	Old Belfair Hwy	3R	1.20	1.60	15				
	Mason	Cloquallum Rd Phase 2	3R	5.26	5.85	15				
	Grays Harbor	Ocean Beach Road Overlay	2R	0.00	2.50	13				
	Cowlitz	South Silver Lake Road	3R	1.45	2.84	10				
	Thurston	McCorkle Rd - 113th to CRP 614	3R	0.00	1.28	10				
	Wahkiakum	Elochoman Valley Road	3R	0.00	0.87	10				
	Cowlitz	Delameter Road	3R	2.33	3.20	10				
	Cowlitz	Tower Road	3R	0.00	1.50	4				
	Mason	Cloquallum Rd Phase 1	3R	4.60	5.26	4				
	Mason	North Shore - Great Bend	DR	16.60	16.70	4				
	Thurston	113th -Bloom's Ditch to Tilley	3R	13.06	14.00	4				
	Thurston	113th -Tilley to McCorkle	3R	14.00	15.22	4				
	Grays Harbor	Wynooche Valley Road Culvert	DR	7.17	7.23	2				
	Grays Harbor	Wishkah Rd Culvert Replacement	DR	4.35	4.45	2				
	Lewis	Bunker Creek Culvert	DR	5.65	5.71	2				
	Cowlitz	Cloverdale Road	DR	1.75	1.81	1				
	Lewis	King	DR	3.72	3.75	1				

Estimated SW Region Revenue = \$6,800,000

Collision Summary

Rd #	MP	Rd Name	Report #	Date	ADT	Sev	# Veh	# Inj	# Fatal	Collision Type	Unit 1 CC	Weather	Light
94001	10.750	CENTRALIA ALPHA RD	E591796	09/28/2016	644	2	1	1	0	Fixed object	Other	Clear or Partly Cloudy	Daylight
94001	10.910	CENTRALIA ALPHA RD	E399365	01/15/2015	802	2	1	1	0	Fixed object	None	Raining	Dark-No Street Lights
94001	10.963	CENTRALIA ALPHA RD	E748772	12/13/2017	802	1	1	0	0	Fixed object	Inattention	Clear or Partly Cloudy	Daylight
94001	11.295	CENTRALIA ALPHA RD	E750141	12/20/2017	802	2	1	1	0	Fixed object	Unknown Driver Distraction	Clear or Partly Cloudy	Dark-No Street Lights



Lewis County, Washington
94001 Centralia-Alpha Road
Milepost 10.638 to 11.85