Date: 6/1/2021 Project/Corridor Title: US97: BEND NORTH CORRIDOR PROJECT Key Number: K21229 EA: PE003210/011

## **Planning Document Summary**

List any applicable planning or environmental reports, plans or studies

Original FEIS: <u>https://www.oregon.gov/odot/Projects/Project%20Documents/BendNorthCorridorus97bnc feis main body and section 4f evaluation.pdf</u>

FEIS Revaluation approval: <a href="https://www.oregon.gov/odot/Projects/Project%20Docu-ments/EN\_K21229\_REEVAL\_01">https://www.oregon.gov/odot/Projects/Project%20Docu-</a>ments/EN\_K21229\_REEVAL\_01.pdfEN\_K21229\_REEVAL\_01

Bend Transportation System Plan: <u>https://www.bendoregon.gov/home/showpublisheddocu-ment/47764/637381859539770000</u>

Cascades East Transit 2040 Transit Master Plan: <u>https://cascadeseasttransit.com/wp-content/up-loads/2020/10/CET-2040-Transit-Master-Plan\_Final\_Adopted\_September-2020.pdf</u>

Deschutes County Transportation System Plan (2010-2030): <u>https://www.oregon.gov/ODOT/Plan-ning/TPOD/tsp/county/county of deschutes tsp 2012.pdf</u>

	Project Goals and Outcomes						
	US 97 Bend North Corridor project, will aim to improve safety and mobility for all modes of travel on two National Highway System (NHS) routes classified as critical urban freight corridors.						
Brief Project Description	The project will improve a section of US 97 and add upgrades to US 20 and local routes. The US 97 Bend North Corridor project includes a new travel corridor for US 97, im- proved intersections, traffic control improvements, new highway on-off ramps, curb ramps up to current ADA standards, auxiliary lanes, grade-separations, and pedestrian and bicycle facilities to aid with congestion and improve safety for all modes of travel.						
	The project goals are to improve safety, system reliability, improve connectivity for all modes, and reduce congestion.						

	Community Engagement			
Describe Com-	Since the community outreach with the 2014 FEIS/ROD, ODOT has continued informing			
munity Outreach	the community on the changes of the project. Adjacent property owners at each project			
Summarize Com-	element location are being contacted by both ODOT and the City of Bend for right of way			
mitments. Ex- discussions. ODOT has also continued to consult and coordinate with mult				
nectations	regarding the current proposed design since the ROD was issued. Commitments are con-			
pectations	sistent with the original FEIS except where the footprint is smaller and are summarized			
	here: <u>E_K21229_Commitments_Misc_01</u>			

	US97 Existing Section - General Project Information											
Boute	Rt. No.	Hwy No.	NHS	NHS Functional State Classification Classificatio		e ation	Reduction Review Rt	Truck %	Pos Spe	ted eed	Current ADT	
Information	US97	004	Yes ⊠ No □	Urban Oth Principal Arterial	ner	Statewi Expressy	ide way	Yes ⊠ No □	9.66	4	5	40,800 (2019)
Project	Fun Cate	ding gory		City and County				Begin MP	End MP	Spe	eed	Future ADT
Information	Fed IN HB201	FRA/ 7	City of I	City of Bend, Deschutes County				(TBD) 133.7	135.0	Desigr Target	n 45 t 35	19,100 (2040)
			r		-		1		r		1	
	Buil	ding		Adjacent La	and U	se	Pe	edestrian	On-St	reet	# A	ccesses
	Sett	ack			Existi	ng Future	C	rossings	Park	ing	Pe	r Block
	None		Comm/	Industrial			Spaci	ng: ½ mi	Yes	No		
	Shallo	NX	Retail		$\boxtimes$	$\boxtimes$	Type:	Signal			Li	mited
	Mediu	m 🛛	Resider	ntial			- •					
Defining	Large		Mixed				Bicy	cle Facility	Тур	e	Blo	ck Size
Character			Park/Re	ec			None		Parallel		500-1	.000 ft
Character			Other:				Share	ed Lane 🛛	Diagona	al 🗆		
					_		Std. L	.ane 🛛	Back-	in 🗆		
							W	'idth5'				
							Othe	r: 🗆				

	Modal Integration						
	Existing Moda	al Integra	tion		Future Modal	Integrat	ion
Dotormino	Pedestrians	🗆 High	🛛 Medium	🗆 Low	Pedestrians	🗌 High	🛛 Medium 🛛 Low
Model	Bicycles	🗌 High	🗌 Medium	🛛 Low	Bicycles	🗌 High	🛛 Medium 🛛 Low
Integration	Transit	🗆 High	🛛 Medium	🗆 Low	Transit	🛛 High	🗆 Medium 🛛 Low
integration	Freight/Motor	🛛 High	🗆 Medium	🗆 Low	Freight/Motor	🛛 High	🗆 Medium 🛛 Low
	Vehicles				Vehicles		

Context
Traditional Downtown/CBD 🗌 Urban Mix 🗌 Commercial Corridor 🛛 Residential Corridor 🗌 Suburban Fringe 🗌 Rural Community 🗌
Context Discussion
Additional information for determination of appropriate context:

This corridor is fronted by mostly commercial and industrial uses with large building footprints and large parking lots set within large blocks and a disconnected or sparse roadway network.

Section Name:	US97: BEN	JS97: BEND NORTH CORRIDOR PROJECT Route No.: US97					
Highway Name:	The Dalles-C	California				Highway No.:	004
County Name:	Deschutes	Region:	4	Key No.:	21229	EA No.:	PE003210-011
Begin MP:	(TBD) 133.7	RDWY ID:	1 🖂	2 🗌	Mileage 1	Гуре:	0 🛛 Z 🗌
End MP:	135.0	Mileage Overlap Code: 0 🛛			0 🖂 1 🗌	] 2	

#### PROJECT DATA

Functional Class	ification:	Urban Other Pri	ncipal Arterial	State Classification: Statewide Expres			Expressway
Current ADT (Yea	ır):	40,800 (2019)		D	esign Al	DT (Year):	19,100 (2040)
% Trucks:	9.66	Vertical Clearance / Reduc- tion Review Route:		🛛 Yes 🗌 No			
Posted Speed:	45	D	Design Speed:			Speed:	35
Funding:		INFRA Grant, House Bill 2017, local agency contribution, and private developer dollars					
Current Estimate:		\$133M	\$133M Context			Urban Commercial Corri- dor	
Federal Highway Approval (PODI) Required:	Yes □ No ⊠	Design Category 4R	□ 1R ⊠ □ SF □	NHS: Non NHS:		Top 10% SPIS Site:	Yes ⊠ No □

	Design Element Summary Table		
Pedestrian Realm	Frontage Zone	Maintain existing	
	Pedestrian Zone	Maintain existing	
	Buffer Zone	Maintain existing	
	Curb/Gutter	Maintain existing	
	Separated Bicycle Lane (Curb Constrained Facility)	-	
Transition Realm	On-Street Bicycle Lane (Not Including Buffer)	5' to 6'	
	Bicycle/Street Buffer	4' to 2'	

	Right Side Shoulder (If Travel Lane Directly Adjacent to Curb	-
	On-street Parking	-
	Travel Lane	11' to 12'
Travelway Realm	Right Turn Lane (Including Shy)	12' to 13'
	Left Turn Lane	existing or 12'
	Left Side/Right Side Shy Distance	1' to 0'
	Two-Way Left Turn Lane	-
	Raised Median – No Turn Lane (Including Shy Distances)	Maintain existing
	Left-Turn Lane with Raised Curbed Median/Separator (Includes 16" Separator and Shy Distance	Maintain existing

\*\*For dimensions less than range defined in the Blueprint for Urban Design, a design exception is required

	Modal Integration					
Appropriate Modal Integra- tion	Pedestrians Bicycles Transit Freight/Motor Vehicles	□ High □ High ⊠ High ⊠ High	⊠ Medium ⊠ Medium □ Medium □ Medium	□ Low □ Low □ Low □ Low		
Briefly Discuss Final Modal Inte- gration Deci- sions	This is a freight critical rou vehicle stays high. Enhan ticipated. An updated tran that stop.	ute pair seg iced crossi isit stop is	gment and rec ngs and bicyc in process on	luction review route so freight/motor le and pedestrian infrastructure is an- this corridor, this project will maintain		

	Pedestrian Realm
Discuss final Dimensions of Pedestrian Realm Ele- ments	The project is for the most part maintaining the existing pedestrian facilities, which will continue to be buffered from travel lanes by bike lanes. If the design-builder chooses to do the low-stress connection, required by the project, adjacent to this corridor, bike lanes will be maintained to match existing and the path can replace the sidewalk. The path will be 12 feet (unless otherwise approved) with the buffer to get 5 feet or more from edge of curb (unless otherwise approved).

Transition Realm				
Discuss final Dimensions of Transition Realm Ele- ments	The transition realm will include a widened bicycle facility to a minimum of 6' bike lane and a stripped buffer of at least 2' (unless otherwise approved).			

**Travelway Realm** 

Discuss final Dimensions of Travelway Realm Ele- ments	The project is being designed to encourage slower speeds than exists today. To encour- age slower speeds, reduced travel lane widths are proposed where feasible. Where pos- sible without adjusting medians, travel lanes will be reduced to 11', right turn lanes 12-13' (including shy), and left turn lanes shall be existing or a minimum of 12'.
	Current roadway configuration do not meet BUD recommendations, where design-builder cannot meet these standards due to existing constraints, they are limited to making things no worse than existing.
	The project may also maintain non-standard median widths where they are not impacted.

	Design Element Less Than Approved Range				
Final Design El	Are Any Final Design Elements Less Than the Approved Dimension Range? No ⊠				
ements Less Than Approved	each				
Range Dimen- sion	Existing left-turn and median widths have portions less than standard. Because there are no curb or median changes and this is a 1R project, we do not anticipate any design exceptions to be required for this.				

			US 20	Section - O	Sene	eral Proje	ect Inf	orma	tion				
Route	Rt. No.	Hwy No.	NHS	Functiona Classificati	al on	State Classifica	e ation	Redu Revie	ction ew Rt	Truck %	Pos Spe	ted eed	Current ADT
Information	US20	017	Yes ⊠ No □	Urban Othe Principal Arterial	er	Statewid pressw	e Ex- ⁄ay	Yes No		18.55	45·	-55	19,800 (2019)
Project	Fund Cate	ding gory		City and	ή Coι	unty		Be N	gin IP	End MP	Spe	eed	Future ADT
Information	Fed IN HB201	FRA/ 7	City of E	ity of Bend, Deschutes County				17	7.3	18.4	Desigi Targe	n 45 t 35	34,900 (2040)
	Bui	ding		Adjacent La	nd U	lse	Pe	edestri	an	On-St	reet	# A	ccesses
	Set	back		E	xistir	ng Future	C	Crossings		Parking		Pe	r Block
	None		Comm	/Industrial	$\boxtimes$	$\boxtimes$	Spaci	ng: 200	)0'±	Yes	No		
	Shallo	w 🗆	Retail		$\boxtimes$	$\boxtimes$	Type:	Inters	ec-		$\boxtimes$	0	
	Mediu	m 🛛	Reside	ntial		$\boxtimes$	tion,	unmar	ked			-	
- <i>c</i>	Large	$\boxtimes$	Mixed						••••			- 1	1.61
Defining			Park/F	lec	$\boxtimes$	$\boxtimes$	Вісу	cle Fac		Тур	e	BIO	ck Size
Character			Other:			$\boxtimes$	None			Parallel		500-1	.500 ft
				_Library			Share	ed Lane		Diagona	ы Ц . П		
							Std. L	.ane		Back-	in 🗆		
							W	'lath					
							Othe						

Modal Integration								
	Existing Moda	al Integra	tion		Future Modal	Integrat	tion	
	Pedestrians	🗌 High	🗌 Medium	🛛 Low	Pedestrians	🗌 High	🛛 Medium	🗆 Low
Determine	Bicycles	🗌 High	🗌 Medium	🛛 Low	Bicycles	🗌 High	🛛 Medium	🗆 Low
Modal	Transit	🗆 High	□ Medium	🛛 Low	Transit	🗆 High	🗆 Medium	🛛 Low
Integration	Freight/Motor	🛛 High	🗌 Medium	🗆 Low	Freight/Motor	🛛 High	🗌 Medium	🗆 Low
	Vehicles	-			Vehicles	_		

Context	
Traditional Downtown/CBD 🗌 Urban Mix 🗌 Commercial Corridor 🛛 Residential Corridor 🗌 Suburban Fringe 🖾 Rural Community 🗌	
Context Discussion	

#### Additional information for determination of appropriate context:

This corridor is on the fringe of suburban land uses and is supported by a reduced target speed, separated uses, access control, and building setbacks. However, vacant adjacent land is planned as commercial. Therefore, the corridor is considered both Suburban Fringe and Commercial Corridor.

Section Name:	US97: BEN	JS97: BEND NORTH CORRIDOR PROJECT Route No.: US20						
Highway Name:	McKenzie-B	AcKenzie-Bend Highway No.:						
County Name:	Deschutes	Region:	4	Key No.:	21229	EA No.:	PE003210-011	
Begin MP:	17.3	RDWY ID:	1 🖂	2 🗌	Mileage 1	Гуре:	0 🖂 Z 🗌	
End MP:	TBD (18.2)	Mileage Ov	erlap C	Code:	0 🛛 1 🗌 2 🗌			

#### PROJECT DATA

<b>Functional Class</b>	ification:	Urban Other Pr	incipal Arterial	State Classification: Statewide			Expressway	
Current ADT (Yea	ar):	19,800 (2019)		Design ADT (Year): 34,900 (2040)				
% Trucks:	18.55	Vertical Cleara tion Review Ro	🛛 Yes 🗌 N	es 🗌 No				
Posted Speed:	45		Design Speed:			Speed:	35	
	Funding:	INFRA Grant, ⊢ dollars	louse Bill 2017,	local agency	contributi	on, and priv	ate developer	
Current Estimate:		\$133M		Context Suburbar mercial C			Fringe/Com- orridor	
Federal Highway Approval (PODI) Required:	Yes 🗌 No 🗌	Design Category 4R	□ 1R □ ⊠ SF □	NHS: Non NHS:		Top 10% SPIS Site	Yes □ No ⊠	

	Width (ft.) **	
Pedestrian	Frontage Zone	1'
	Pedestrian Zone – <i>multi-use path</i>	12'
Realm	Buffer Zone	4'-5'
	Curb/Gutter	-
Transition Realm	Separated Bicycle Lane (Curb Constrained Facility)	-
	On-Street Bicycle Lane (Not Including Buffer)	-
	Bicycle/Street Buffer	-
	Right Side Shoulder (If Travel Lane Directly Adjacent to Curb	8' per mainte- nance request
	On-street Parking	-
Travelway Realm	Travel Lane	11'
	Right Turn Lane (Including Shy)	-
	Left Turn Lane	-
	Left Side/Right Side Shy Distance	0'

Two-Way Left Turn Lane	-
Raised Median – No Turn Lane (Including Shy Distances)	8'
Left-Turn Lane with Raised Curbed Median/Separator (Includes 16" Sep- arator and Shy Distance	-

\*\*For dimensions less than range defined in the Blueprint for Urban Design, a design exception is required

Modal Integration						
Appropriate Modal Integra- tion	Pedestrians Bicycles Transit Freight/Motor Vehicles	□ High □ High □ High ⊠ High	⊠ Medium ⊠ Medium □ Medium □ Medium	□ Low □ Low ⊠ Low □ Low		
Briefly Discuss Final Modal Inte- gration Deci- sions	The primary mode of trav project will provide enhan modate future growth pat There are no bus stops of tor vehicles will support fa	el along th ced pedes terns. n this secti aster travel	e corridor is cu trian and bicy on of corridor, times for tran	urrently freight/motor vehicles. The cle crossings and facilities to accom- but improvements to freight and mo- sit routes that use this corridor.		

	Pedestrian Realm
Discuss final Dimensions of Pedestrian Realm Ele- ments	The project will provide a multi-use path on the east side north of Cooley to tie into the planned path with the K20011 project. South of Cooley Road, the multi-use path will be on the west side of US 20 to Robal Lane, to support connectivity from the school and neighborhoods. The path will be built in compliance with this document. The buffer space will be maximized where possible. The path on the eastside of the highway in this section of roadway is anticipated to be built shortly after this project with private development.
	The 12' multi-use path is planned to support bi-directional walking and biking, and to en- courage bicyclists to use the path instead of the shoulder.

Transition Realm					
Discuss final Dimensions of	The project will provide an 8' right side shoulder to accommodate emergency vehicles, maintenance crews, and inoperable vehicles, which meets the BUD guidance.				
Transition Realm Ele- ments	While bicyclists are encouraged to use the two-way, multi-use path on the west side of the corridor, the project will also provide ramps where appropriate from the shoulder to the roundabout pedestrian/bicycle paths to accommodate bicyclists that choose to ride in the shoulder.				

Travelway Realm				
Discuss final	The travel way will include two travel lanes in each direction with multi-lane roundabouts			
Dimensions of	at the two intersections (US 20/Robal Lane and US 20/Cooley Road). Given the rounda-			
Travelway	bout intersection control, no right turn or left turn lanes will be provided along the corridor.			

Realm Ele-	An 8' raised median between the Robal and Cooley roundabouts is planned, which will in-
ments	crease in width near the roundabouts.
	The project aims to set a target speed of 35mph along the corridor, which will be sup- ported by the roundabouts. 11' travel lanes are also proposed to support the reduced tar- get speed as well.

Design Element Less Than Approved Range				
Final Design El- ements Less Than Approved Range Dimen- sion	Are Any Final Design Elements Less Than the Approved Dimension Range? No ⊠ Yes □ If yes, list the elements below and attach an approved design exception for each			

<u>Signatures</u>			
Prepared By:	Miranda Wells	Date:	6/30/2021
	Prepare By		
	Company Name: ODOT		
Concurred By:		Date:	
	(ODOT Region Maintenance Manager or Region Maintenance Operations Manager	_	
	(Print Name)		
Approved By:		Date:	
	(Region Technical Center Manager)	_	
	(Print Name)		