



CITY OF BEND

2019 – 2021 UPDATE
*ADA TRANSITION PLAN FOR
CURB RAMPS IN PUBLIC RIGHTS-OF-
WAY*



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INTRODUCTION AND PURPOSE

The City of Bend's Accessibility Program is dedicated to periodically updating the City's ADA Transition Plan for Curb Ramps in the Public Rights-of-Way to coincide with the City's Budgeting process. This 2019-2021 update will highlight recent modifications of policies and programs as well as provide information on current and future projects impacting sidewalks and curb ramps across the City.

The [2014 ADA Transition Plan for Curb Ramps in the Public Rights-of-Way](#) explained and documented the significant historic work the City had performed to access, prioritize, and fund curb ramps design and construction. For historical and up-to-date information on the City's efforts to comply with the Americans with Disabilities Act (ADA), please visit the [City's Accessibility Program Website](#).

This five-section 2019-2021 update will highlight (I) recent policy decisions directly impacting sidewalks, (II) review the City's Streets Divisions activities, (III) review other City Capital Improvement Projects impacting curb ramps and sidewalks, (IV) review the City's curb ramp inventory and, finally, (V) review the City's Barrier Removal Request process facilitated by the Accessibility Program. The 2019-2021 Transition Plan update is subject to change due to funding limitations and other elements that may delay or impact the City's ability to design or construct the projects specified within this Plan.

I. SIDEWALK PROGRAM UPDATE

Since February of 2018, the City of Bend has been undergoing extensive citizen involvement through its process of updating the City's Transportation System Plan (TSP). The TSP process and the creation of a Citywide Transportation Advisory Committee provide an avenue of involvement for various community members. These community members advocate more time and money investments in the City's transportation system affecting not just vehicular travel, but all travel modes, including pedestrian and biking facilities.

In addition, the [2019-2021 Council Goals](#) direct staff to begin formulating ideas for a sidewalk program. Depending on future council decisions and funding, approaches may include increased sharing of responsibility for sidewalk maintenance and repair between the City and adjacent property owners by the end of fiscal year 2021 (June 30, 2021).



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At the time of writing this 2019 –2021 Transition Plan Update, the City is waiting for direction from the adopted TSP which is anticipated to include direction for sidewalk infill and maintenance priorities. It will also develop funding source recommendations to implement the program. The City's goal is to have a Sidewalk Infill and Maintenance Plan incorporated into standards and codes within one year of TSP adoption which is anticipated to occur July 2020.

II. STREETS & OPERATIONS DEPARTMENT ACTIVITIES

As the 2017 – 2019 Update of the City of Bend's ADA Transition Plan states, Federal Law requires the upgrade of noncompliant curb ramps to current standards during street alteration activities. The City of Bend's [Street and Operations Department](#) (Streets Department) annually engages in certain street preservation activities that constitute an alteration, and thus any noncompliant curb ramps are altered to meet current code. Street preservation activities are essential for increasing the number of compliant curb ramps across the city. As stated on page 178 of the [2019 – 2021 Adopted Budget](#), the 2017-2019 biennium witnessed a substantial increase of street preservation funding which leads to the alteration of over 400 curb ramps.

The City's Accessibility Manager continuously works with the Streets Department to determine the number of curb ramps needing alteration based on the proposed Street Preservation list, such as overlays (See **Appendix A**). The proposed list of streets receiving street preservation activities is subject to change, and thus the associated curb ramps are also subject to change. Although this Transition Plan Update covers the fiscal 2019 – 2021 period, **Appendix A** covers three construction seasons because the construction season (May – October, weather dependent) does not directly coincide with the City's fiscal year (June 30th to July 1st). Curb ramps associated with Street Preservation activities are typically altered the year before the scheduled Street Preservation Activity. For example, streets to receive street preservation activities during the 2019 construction year will have some or all of the associated curb ramp alterations completed during construction year 2018. The Streets Department aims to construct or alter approximately 200 curb ramps annually.



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III. OTHER CAPITAL IMPROVEMENT PROJECTS

The Streets Department is not the only department in the City that can impact the City's right-of-way. The City's Engineering and Infrastructure Planning Department (EIPD) manages capital improvement projects and oversees construction projects impacting the City's right-of-way for various other departments such as the Utility Department, the Growth Management Department, and the Accessibility Program. During the 2019-2021 biennium, EIPD will manage various projects constructing or altering approximately 26,035 linear feet of sidewalk and approximately 219 curb ramps. For a detailed list of these projects, see **Appendix B**.

IV. CURB RAMP INVENTORY

As discussed in the City's ADA Transition Plan and prior Updates, the number of curb ramps throughout the City is constantly fluctuating as new private development, franchise utility maintenance/improvements, and City improvements, such as street overlays and other infrastructure improvements (sewer/stormwater), occur. The City is proficient at capturing alterations and improvements that affect curb ramps constructed by or on behalf of City projects but capturing curb ramps constructed through private development continues to be a challenge. Often curb ramps are constructed but not entered into the system because of delayed inspections due to staffing challenges, or issues with the City's internal documentation process. It sometimes takes three to six months for constructed ramps to be entered into the City's asset management system. The City is in the process of updating and replacing its permitting software. The hope is that the new software package will better track and report curb ramps installed by private development, thus improving the ability of the City's curb ramp inventory. By the next ADA Transition Plan update (2021-2023) the City will more reliably know the number of curb ramps installed or altered by both City crews and private development.

Reporting of curb ramp numbers can be deceptive and not representative of the actual progress nor indicative of the number of existing ramps. City improvements, such as street overlays, will often remove one noncompliant ramp and replace it with two compliant ramps (two perpendicular or parallel ramps depending on right-of-way availability). While this process greatly enhances usability and connectivity, it does not significantly change the numbers. Therefore, the total curb ramp number will increase steadily, but the number of noncompliant curb ramps will not correspondingly decrease at the same rate. As previously mentioned, the reported number of curb ramps is often



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not reflective of the actual number of existing ramps due to the three to six months' time lapse between actual inspection and system update.

Compliance Date	Compliant Curb Ramps	Non-Compliant Curb Ramps	Total Curb Ramps*
As of 2010 Survey	1,250	5,899	7,149
As of October 1, 2019	4,774	4,648	9,422

* The total number of curb ramps within the City will continue to grow as new developments are constructed and as single noncompliant ramps are replaced with two compliant ramps.

Program Department	Approximate # of Curb Ramps	Approximate sidewalk construction (linear feet – lf)
Streets Division 2019-2021 Street Preservation Activities	920	7,920 linear feet
CIP Projects	684	24,850 linear feet
Total	1,604	32,770

If all anticipated 2019 - 2021 construction occurs a total of 1,604 ramps and approximately 32,770 linear feet of sidewalk will be added throughout the City. These numbers do not represent private development which also add significant number of curb ramps and linear feet of sidewalk. The below table projects how these improvements will impact the City's curb ramp inventory.



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Compliance Date	Compliant Curb Ramps	Non-Compliant Curb Ramps	Total Curb Ramps*
As of October 1, 2019	4,774	4,648	9,422
Proposed work 2019-2021	6,378	Unknown**	Unknown**

* The total number of curb ramps within the City of Bend will continue to grow as new developments are constructed.

** It is unclear at this time how many non-compliant curb ramps will be improved through the identified projects, which makes it difficult to project an anticipated total number of curb ramps.

V. ACCESSIBILITY PROGRAM'S BARRIER REMOVAL REQUEST PROCESS

The City's Accessibility Program oversees the [barrier removal request process](#) that allows individuals with disabilities to make the City aware of existing barriers to travel within the City's right-of-way, such as changes in level, deficient sidewalk conditions, debris or other barriers.

The Accessibility Program is working to address current barrier removal requests, and continues to attempt to resolve requests from 2014 when a local disability advocacy group submitted 147 requests. At that time, the former Council directed staff to look at creating complete accessible corridors. While ideal, using a complete corridor approach does take substantial time and money, hence the slow resolution of these requests submitted in 2014. Of the 147 requests submitted in 2014, currently 84 requests have been closed, and 63 are either planned or open.

Depending on capacity, the Streets Division often alters other curb ramps or right-of-way features determined by the Accessibility Program's barrier removal request process. During the 2018 construction season, the Streets Division resolved six barrier removal requests which included altering eight curb ramps and replacing sidewalk panel(s) due to change in level. All work completed to resolve barrier removal requests



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is paid for by the Accessibility Construction Fund. Five out of the six barrier removal requests completed were received during 2018, one of the requests completed was part of a backlog of requests received in 2014. Since the 2019 construction year has not ended at the time of writing this update, complete numbers are not available. Currently, the Streets Division resolved two requests submitted in 2014, one 2017 request, and one 2019 request. It is important to realize that one barrier removal request may require altering anywhere from one to eight curb ramps. Hence, one request does not correlate to altering one feature; for example, the two requests resolved by the Streets Division during the 2019 construction year equated to the construction of six compliant curb ramps. If the Streets Department is unable to perform work on behalf of the Accessibility Program, significant time and additional costs are required to engage private concrete contractors.

If an individual with a disability experiences a barrier to travel within the City's public right-of-way they are encouraged to file a [barrier removal request](#).

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Appendix A - Streets Division Activities

2019

Majority of work completed during construction year 2018

TREATMENT	STREET	START	STOP	# ramps to be (re)constructed
Overlay	17TH/ TROON	GALVESTON	MT WASHINGTON	18
2" G&I	2ND	QUIMBY	BURNSIDE	29
2" G&I	2ND	CLEVELAND	WILSON	6
Overlay	BROSTERHOUS	3RD	FRANKEE	10
Overlay	CENTURY	UGB	MT WASHINGTON	8
Overlay	CULTUS MTN	STEENS MOUNTAIN	CUL DE SAC	0
Overlay	DOOLEY MTN	WILDERNESS	CUL DE SAC	0
Overlay	EAGLE	NEFF	KEYTEE	31
Overlay	FAIRWAY	PARR	COUNTRYCLUB	2
Overlay	FRED MEYERS	VOGT	BOYD ACRES	5
2" G&I	GREELEY	HAWTHORNE	PKWY	0
2" G&I	HAWTHORNE	3RD	5TH	0
Overlay	HIGH DESERT CT	HIGH DESERT	CUL DE SAC	6
2" G&I	IRVING	OREGON	PKWY	6
Overlay	LAYTON	HIGH DESERT	EMPIRE	8
Overlay	LOWER MEADOW	HIGH DESERT	EMPIRE	4
Overlay	MADISON	BUTLER MKT	VERONICA	41
Overlay	MCCLELLAN	BROOKSWOOD	W.END	6
Overlay	MERRITT	STEENS MOUNTAIN	CUL DE SAC	0
Overlay	MONTANA	HIGH DESERT	18TH	4
2" G&I	Penn/Neff	8th	Eastwood	8
Overlay	NIGHTFALL	TWILIGHT	TWILIGHT	20
Overlay	OLNEY	8TH	WALL	28
Overlay	PLATEAU	EMPIRE	BRINSON	4
Overlay	POWERS	ELKHORN	PORCUPINE	36
Overlay	PROVIDENCE	N. END	NEFF	22
Overlay	PROVIDENCE	NEFF	S. END	84
Overlay	REED MKT	3RD	PKWY OVERPASS	6
Overlay	ROCK BLUFF	BROOKSWOOD	CLIFFROSE	30
Overlay	SKYLINERS	17TH	MT WASHINGTON	4
Overlay	STEENS MOUNTAIN	WILDERNESS	WILDERNESS	0
Overlay	STEENS MT CT	STEENS MOUNTAIN	CUL DE SAC	0
Overlay	STRAWBERRY MTN	WILDERNESS	CUL DE SAC	0
Overlay	TWILIGHT	SUMMIT	SUMMIT	4
Overlay	WILDERNESS	27TH	END	0
2019 Total				430

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Appendix A - Streets Division Activities

Majority of work completed during construction year 2019.

2020

TREATMENT	STREET	START	STOP	# ramps to be (re)constructed
Overlay	5TH	REVERE	GREENWOOD	5
Overlay	BADGER	PARKWAY	3RD	2
Overlay	BRONZEWOOD	SHADOWOOD	W END OF RD	10
Overlay	CARTMILL	SWARENS	KEMPLE	0
Overlay	CENTURY	TAYLOR	SIMPSON	19
Overlay	CHARITY	MT VISTA	CUL DE SAC	0
Overlay	CLAREMONT	27TH	CUL DE SAC	0
Overlay	COLUMBIA	GALVESTON	NASHVILLE	24
Overlay	CRECENT	LADERA	CUL DE SAC	0
Overlay	EAST CAMPBELL	CENTURY	KEMPLE	4
Overlay	ELKHORN	CLIFFROSE	ROCK BLUFF	12
Removed	FAIRWOOD	AIRPARK	CUL DE SAC	6
Removed	FERGUSON CT	FERGUSON	CUL DE SAC	0
Overlay	GARDENIA	FARGO	CUL DE SAC	6
Overlay	HIGH MEADOW	MT VISTA	CUL DE SAC	0
Overlay	KEMPLE	EAST CAMPBELL	SWARENS	0
Overlay	LADERA	FERGUSON	SARAH	8
Overlay	LOCKSLEY	DALTON	PROVIDENCE	50
Overlay	LOST VALLEY	VICTORY	CUL DE SAC	0
Overlay	MAJESTIC VIEW	VICTORY	CUL DE SAC	0
Overlay	MT VISTA	FERGUSON	CHARITY	0
Overlay	MT VISTA	CHARITY	VICTORY	0
Reconstruct	MT WASHINGTON	SKYLINERS	RAB	4
Overlay	ROCKY TOP	WILDWOOD	CUL DE SAC	0
Overlay	SARAH	FERGUSON	NORTH END	0
Overlay	SHADOWOOD	REED MKT	FAIRWOOD	34
Overlay	SHANON	LADERA	CUL DE SAC	0
Overlay	SILVER TIP	WILDWOOD	CUL DE SAC	0
Overlay	SWARENS	CARTMILL	WEST CAMPBELL	0
Overlay	TALL MOUNTAIN	MT VISTA	CUL DE SAC	0
Overlay	TEAKWOOD	REED MKT	BRONZEWOOD	20
Overlay	VICTORY	MT VISTA	MT VISTA	0
Overlay	WEST CAMPBELL	SWARENS	KEMPLE	0
Overlay	WILDWOOD	RAE	PENHOLLOW	4
2" G&I	YELLOW RIBBON	27TH	E. END	34
2020 Total				242

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Appendix A - Streets Division Activities

2021

Majority of work completed during construction year 2020.

TREATMENT	STREET	START	STOP	# ramps to be (re)constructed
Overlay	CLIFFROSE	BROOKSWOOD	POWERS	12
Overlay	COOLEY	HWY 20	HWY 97	8
Overlay	ROBAL	HWY 20	HWY 97	13
Overlay	HUNNEL	ROBAL	COOLEY	8
Overlay	EMKAY	COLORADO	COLORADO	8
Overlay	CYBER	EMKAY	SIMPSON	4
Overlay	DONOVAN	EMKAY	CENTURY	8
Overlay	WELLS ACRES	27TH	EAGLE	39
Overlay	SAVANNAH	PURCELL	CUL DE SAC	22
Overlay	AZURE	HWY 20	SAVANNAH	0
Overlay	LADERA	VIA SANDIA	SKY HARBOR	1
Overlay	SKY HARBOR	VIA SANDIA	LADERA	2
Overlay	FIRESIDE TRAIL	LADERA	CUL DE SAC	0
Overlay	VAIL RUN	LADERA	CUL DE SAC	0
Overlay	CLEAR VIEW	LADERA	CUL DE SAC	0
Overlay	KEYTE	27TH	EAGLE	16
Overlay	BLAKLEY	POWERS	BADGER	27
Reconstruct	SIMPSON	COLORADO	RAB	4
2" G&I	RIVERSIDE/ TUMALO	BROADWAY	GALVESTON BRIDGE	24
2" G&I	RIVERSIDE/ CARLON	MCCANN	BROADWAY	17
2" G&I	BURNSIDE	2ND	6TH	0
2" G&I	BRINSON	BUTLER MKT	BOYD ACRES	5
2" G&I	FERGUSON	15TH	27TH	30
4"G&I	PONDEROSA	HWY 97	POPLAR	0
2021 Total				248

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Appendix B - Engineering Infrastructure Planning Department (EIPD)

EIPD Project Name	Anticipated Construction Year	Approximate Number of Curb Ramps	Approximate sidewalk construction (linear feet - lf)
1ADIV NE Division Street Corridor	2020-2021	45	80
1ABRI Brosterhous Road Accessibility Improvements	2020-2021	6	2100
1AAOI Accessible Oppotunity Projects	2019-2021	200	10
1RNPR Newport Pipe Replacement	2020-2021	30	1650
1TNPS Neff & Purcell Intersection	2020-2021	11	2100
1TMC* Murphy Corridor	2020-2021	40	8000
1TEC* Empire Coordidor Improvements	2020	33	9800
1SMTI Ametheyst Mahogany Diversion	2020-2021	n/a	530
1SPSD Pump Station Decommissioning Phase II	2020-2021	6	110
1SDWS Desert Woods Septic to Sewer	2020-2021	1	85
1S036 Drake Pump Station	2020-2021	12	360
1TBKE Bicycle Greenways		100	6
1TCSA Citywide Safety Improvements	2020-2021	200	19
Totals		684	24850