



URMD Pedestrian & Biking Improvement Program

WINTER UPDATE

MARCH 2022

URMDAC MEETING

| March 16, 2022

Land Use & Transportation

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→ Program Overview

- Program began in 2011 (1st projects were built in FY 2012-13)
- Now beginning 12th year: 74 projects identified,*
 - 9 groups of projects
 - 48 completed (67%)
- Total amount budgeted to date: **\$39,807,143**
- Of the first 7 groups of projects, only 1 is not completed. Alexander will be constructed with the 209th Ave capital project, which will begin construction in spring of 2022
- Projected final cost for these 7 groups of projects is **98%** of budgeted amount (\$819,010 less than budgeted)

*63 sidewalk or pedestrian paths, 1 bike/ped path, 1 guardrail, 2 pedestrian half signals, 7 RRFBs (Rectangular Rapid Flashing Beacon)



Program Evolution

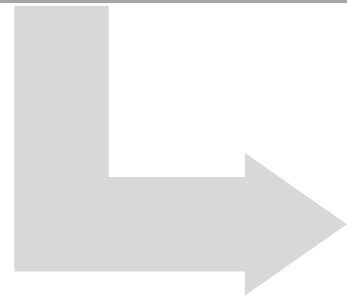
- 2011-2013 Most projects were widened shoulders.
- 2014-2018 Program shifted to constructing mostly concrete sidewalks. Most projects (36 of 41) had budgets less than \$600,000.
- 2018-2020 URMDAC began naming projects for 2-yr cycles, enabling more complex projects with larger budgets to be selected, allowing a more efficient process for project selection, design and construction.
- 2020-2022 Included \$4.4M in funding from HB2017. With this additional funding, URMDAC selected a record 13 projects.
- 2022-2024 Twelve projects were selected, six are RRFB ped signals, one is a half-signal, five are sidewalk projects. Streetlights may be added at some locations.



Typical Project Timelines

Design
9 to 18 mo.

- Survey & Design
- Plans, Specifications, Estimate
- Permits, Right-of-way



Bid
2 mo.

- 2 week advertisement
- Bid award – 1 to 2 weeks
- Contract preparations – 4 to 6 weeks



Construction
3-6 mo. for small
1 yr. for large

- Utility relocation
- Stormwater
- Concrete & paving

→ Program Early History

FY 2012-13

- 7 projects completed
- Cost: \$753,010 162% of Budget

FY 2013-14

- 6 projects completed
- Cost: \$2,444,334 91% of Budget

FY 2014-15

- 6 projects completed
- Cost: \$2,115,427 75% of Budget

→ Program Early History cont.

FY 2015-16

- 6 projects completed
- Cost: \$3,081,156 118% of Budget*

FY 2016-17

- 7 projects completed
- Cost: \$1,621,048 88% of Budget

FY 2017-18

- 8 projects completed, 1 to be built 2023
- Cost: \$3,895,400 (est.) 104% of Budget

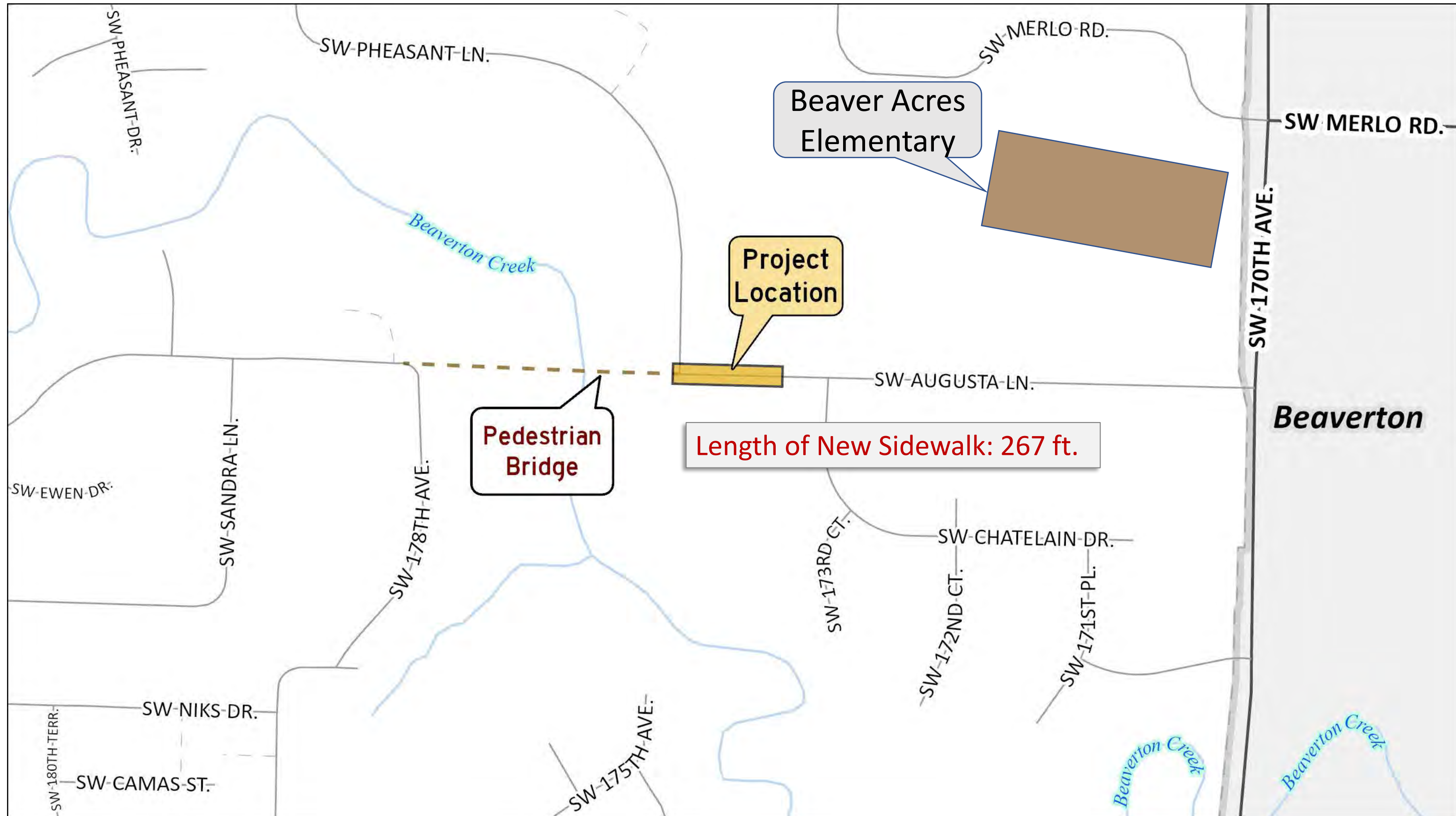
- 1 project extended to complete a circuit of sidewalk on 90th Ave



FY 2016-17 Project Completed

- Augusta Lane - Pheasant Lane to Chatelain Drive
 - Construction was delayed to coincide with construction of the Augusta Lane Pedestrian Bridge over Beaverton Creek.
 - Construction of the two projects together created a connection for pedestrians and cyclists to access Beaver Acres Elementary School from the west side of Beaverton Creek.
- Construction costs totaled \$127,880
- Total Project costs: \$223,937
 - Administration - 1%
 - Engineering - 14%
 - Survey – 8%
 - Project Management – 7%
 - ROW - 7%
 - Fees & Permits – 1%
 - Inspection - 9%
 - Construction – 57%

→ Augusta Lane Sidewalk



→ Augusta Lane Sidewalk



→ Augusta Lane Sidewalk – After Photos

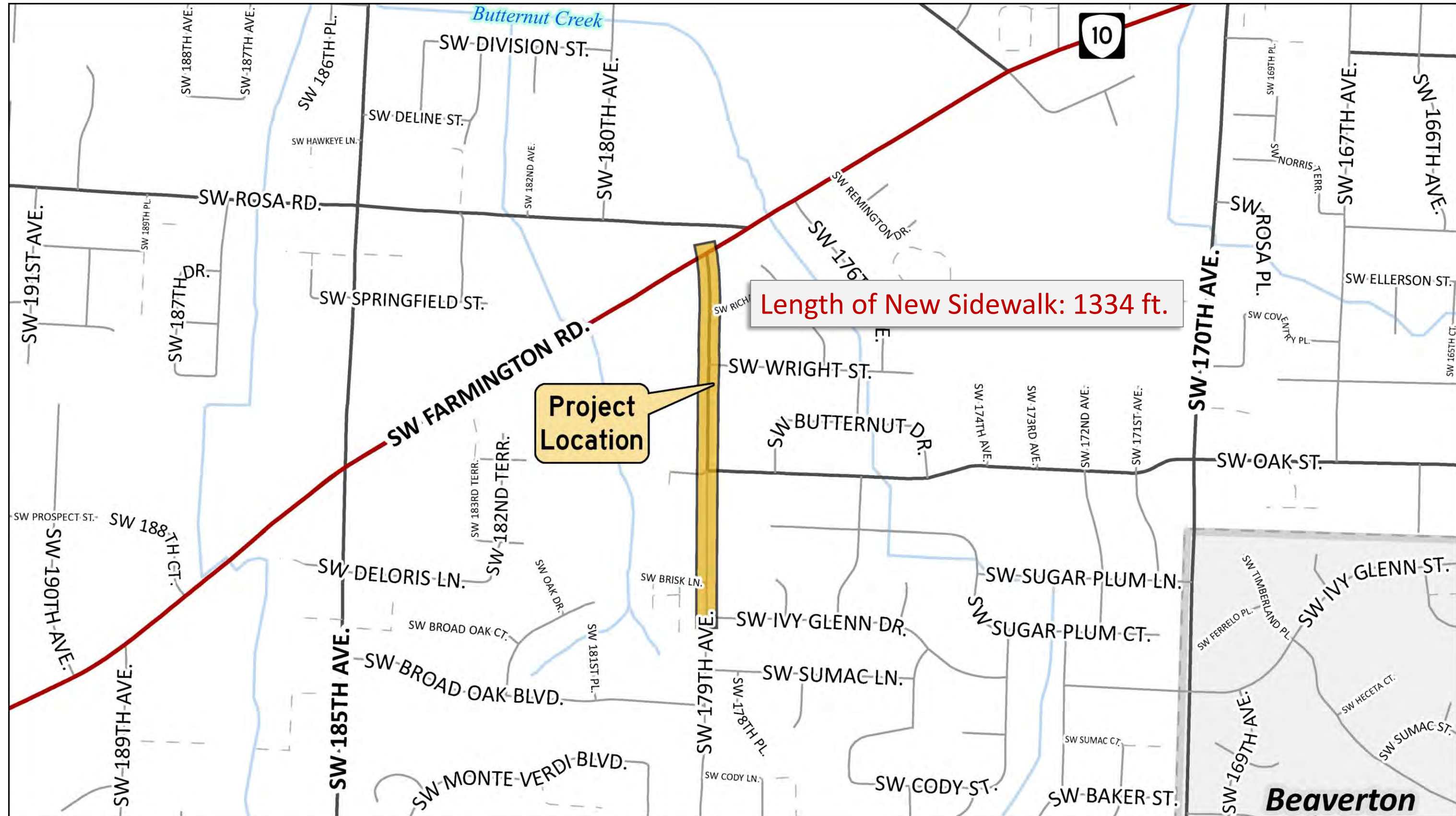




FY 2018-2020 Projects Completed

- 179th Ave – Ivy Glenn Drive to Farmington Road
 - Completes a sidewalk circuit between Farmington Road and Bany Road on the east side.
 - Significant stormwater work was required.
 - North 35 ft of sidewalk within the ODOT ROW required extensive coordination with ODOT to gain agreement and approval. ODOT paid for that section.
 - Total cost: \$1,256,081 (139% budget)
- West Union/Thompson Roads – 153rd Terrace to Bronson Creek Dr
 - Completes a circuit of sidewalk on north side from Bethany Boulevard to Saltzman Road, except for a small connection at Hartford Street.
 - Efforts to save trees along Thompson Road increased the costs above initial project estimate.
 - Project included adding a streetlight at 148th Ave with Gain Share funds
 - Total cost: \$1,645,321 (114% budget)

→ 179th Ave Sidewalk



→ 179th Ave – Before Photos



→ 179th Ave – Before Photos



→ 179th Ave – After Photos

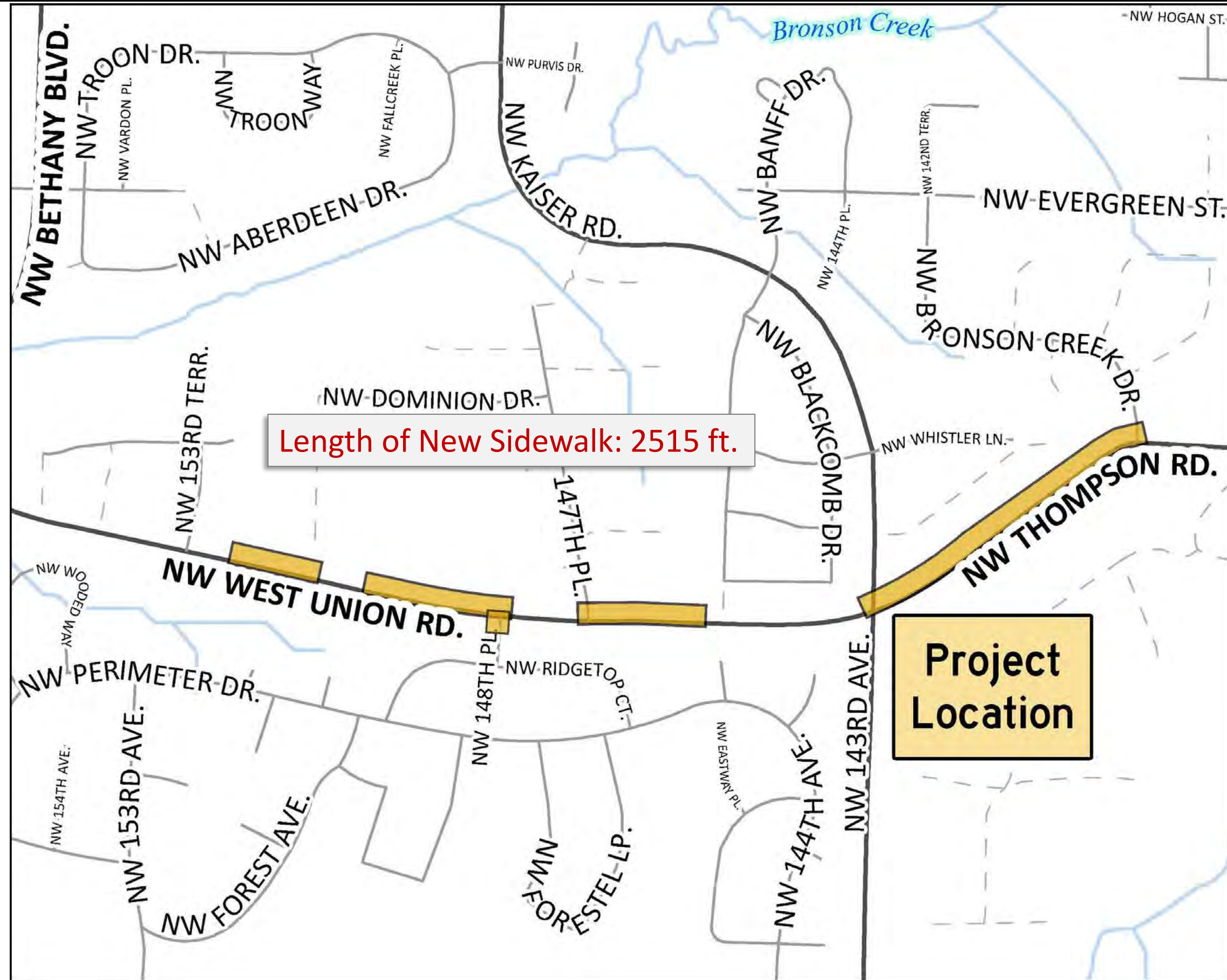


→ 179th Ave – After Photos





West Union/Thompson Road Sidewalk



→ West Union – Before Photos



→ West Union – After Photos



→ Thompson Rd – Before Photo



→ Thompson Road – After Photos





FY 2020-2022 Project Completed

- 174th Ave – Santiam Drive to Sandpines Lane
 - Sidewalk on east side through THPRD (Tualatin Hills Parks and Recreation Department)
 - THPRD cooperated with an easement for the sidewalk
 - This section of 174 Ave had no shoulder and a steep drop-off to a ditch
 - Project included adding a pad for a Tri-met bus stop
- Construction costs totaled \$81,656
- Total Project costs: \$227,149
 - Administration - 1%
 - Engineering - 33%
 - Survey – 3%
 - Project Management – 20%
 - ROW - 1%
 - Fees & Permits – 1%
 - Inspection - 7%
 - Construction – 36%



→ 174th Ave – Before Photos



→ 174th Ave – Construction Photos



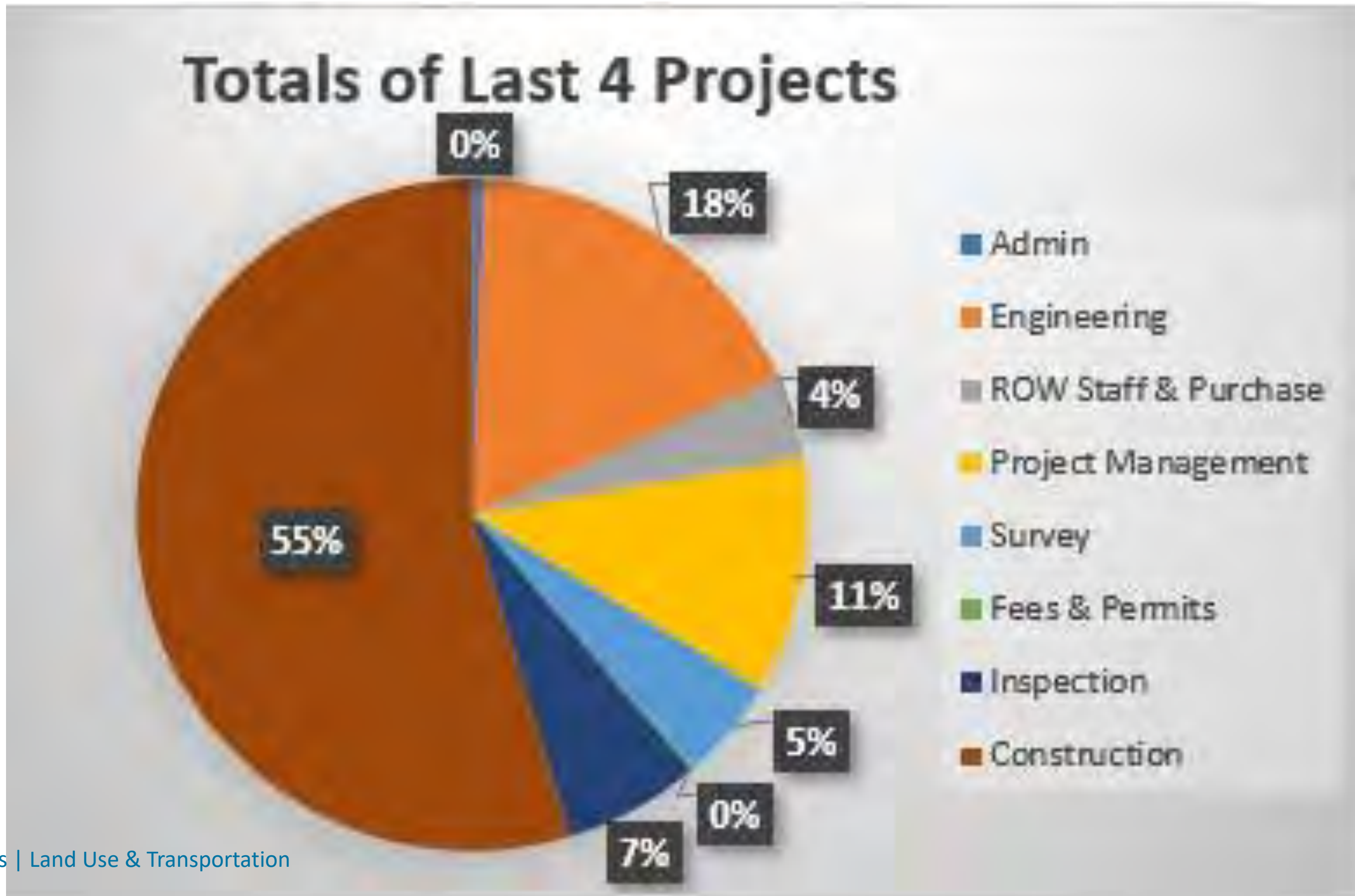
→ 174th Ave – After Photos



→ 174th Ave – After Photos



→ Costs by Work Categories



→ Projects Selected for FY 2020-2022

Projects Funded by URMD	\$7,021,000 Total	Construction Yr
139 th Ave – Derby St to Walker Rd	\$309,000	2023 (w/Walker)
170 th Ave – Half signal at Florence St	\$542,000	Late 2022
192 nd Ave – TV Hwy to Trelane St	\$880,000	Spring 2022
Alden St – 74 th Ave to 80 th Ave	\$1,389,000	Late 2022
74th Ave – Alden St to Loganberry Apts	\$1,466,000	Late 2022
Blanton St – 185th Ave to 198th Ave	\$2,435,000	Project dropped

→ Projects Selected for 2020-2022

Projects Funded by HB-2017	\$4,410,000 Total	Construction Yr
174 th Ave – Bronson Rd to Sandpines Ln	\$200,000	2021-Complete
Parkway – Devonshire Dr to Walker Rd	\$229,000	2023 (w/Walker)
Scholl's Ferry Road at 77 th Ave	\$271,000 RRFB	Late 2022
174 th Ave – Lapaloma Lane to Solano Ln	\$503,000	2023
Meadow Drive – Walker Rd to Pioneer Rd	\$800,000	2023
Filbert Street – Saltzman Rd to Murry Rd	\$957,000	Late 2022
Butner Rd/Downing St – Murray to Meadow	\$1,420,000	2023



Projects Selected for FY 2022-2024

185 th Ave at Pheasant Lane – Half signal	\$542,000
Ewen Drive from address 18235 to 178 th Place - sidewalk	\$981,000
188 th Ave – Kinnaman Rd to Blanton St - sidewalk	\$1,869,000
195 th Ave – Keena Ct to Farmington Rd - sidewalk	\$359,000
Huntington Ave – Cedar Hills to Glenhaven – sidewalk both sides	\$1,673,000
84 th Ave at Garden Home Rd - RRFB	\$200,000
Beef Bend Rd at Peachtree Dr - RRFB	\$180,000
185 th Ave at Pike St - RRFB	\$200,000
Bethany Boulevard at Mitchell Ave - RRFB	\$200,000
Kaiser Rd at 147 th Ave - RRFB	\$180,000
Laidlaw at Waterhouse Trail crossing - RRFB	\$180,000
Greenwood Dr – 135 th Ave to fire gate	\$29,000



FY 2022-2024 Opportunities & Challenges

- Opportunities:

- Partnering with THPRD to complete additional crossing analysis along Waterhouse Trail
- Will be looking for other opportunities to partner with projects & agencies
- Will utilize abbreviated plan review, where feasible
- Greenwood Dr will be field-fit to save design costs

- Challenges:

- Escalating material and labor costs
- Extended ROW acquisition timelines

QUESTIONS?





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