



CITY OF REDMOND
Community Development Department

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Bicycle & Pedestrian Advisory Committee Agenda
Redmond City Hall Conf. Room 207 - 411 SW 9th Street

Monday, October 16, 2017
4:00-6:00 PM

Agenda

**BPAC
MEMBERS**

David Swift,
Chair

Katie Hammer,
Vice Chair

Scott
Bojanowski

Bill
Braly

Fred
Bray

Shirlee
Evans

Andrea
Green

Donald
Hundt

Hayes
McCoy

Mike
Ricketts

Brook
Hewitt -
Ex Officio

TIME ITEM

4:00 PM **CALL TO ORDER / INTRODUCTIONS**

4:05 PM **APPROVAL OF MINUTES**

A. June 5, 2017 (Exhibit 1)

B. August 7, 2017 (Exhibit 2)

4:05 PM **ACTION ITEMS**

A. None

DISCUSSION ITEMS

4:05 PM A. Bike & Pedestrian Count Summary (See counts attached)

4:20 PM B. Quartz Avenue Bicycle Improvements (Present at meeting)

4:45 PM C. Review Current Master Plan Submittals for Bicycle and Pedestrian Facilities (Present at meeting)

5:15 PM D. Subcommittee Updates:

1. Bike Repair Station

2. Wayfinding

3. Bike Map

4. Deschutes Quiet Street Demonstration

5. Redmond Streets Alive

6. Marketing – Bike, Walk and Roll Implementation

5:45 PM **CITIZEN COMMENTS**

5:50 PM **COMMITTEE COMMENTS**

5:55 PM **STAFF COMMENTS**

6:00 PM **ADJOURN**

Next Meeting: November 6, 2017

7525 (STS English) or 1-800-735-3896 (STS Spanish). The City of Redmond does not discriminate on the basis of disability status in the admission or access to, or treatment, or employment in, its programs or activities.



DRAFT

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BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE
MINUTES
June 5, 2017

411 SW 9th Street, Redmond City Hall Conference Room 207, Redmond, Oregon

Committee Members Present: Chair David Swift, Vice-Chair Katie Hammer, Scott Bojanowski, Bill Braly, Fred Bray, Andrea Green, Donald Hundt (*absent:* Shirlee Evans, Hayes McCoy, Mike Ricketts; 1 vacancy)

Youth Ex Officio: Brook Hewitt

City Staff: Scott Woodford, *Senior Planner*; Mike Caccavano, *City Engineer*; Keith Witcosky, *City Manager*; Cameron Prow, *TYPE-Write II*

Visitors: Ginny McPherson, *City Council Liaison*

Media: None

(Agenda items appear in the order discussed. The 3 digits after a motion title show the number of committee members voting in favor/opposed/abstaining.)

CALL TO ORDER

Chair Swift called the regular meeting of the Redmond Bicycle and Pedestrian Advisory Committee (BPAC) to order at 4:03 p.m. with a quorum of members (6 of 9) present. Mr. Bray arrived at 4:14 p.m. after approval of the minutes.

APPROVAL OF MINUTES

A. May 1, 2017

Motion 1 (6/0/0): Mr. Braly moved to approve the minutes of May 1, 2017. Ms. Hammer seconded the motion which passed unanimously.

ACTION ITEMS

B. None.

DISCUSSION ITEMS

C. Review Bike Map Draft

Mr. Woodford reported Charles Rucker e-mailed today he expected to complete the edits on Draft 2 later this week. Mr. Woodford will distribute Draft 2 electronically for BPAC comments prior to the next meeting. The goal is to distribute this map at summer events such as the Redmond Brewfest and the BBQ & Craft Spirits Fair.

D. Subcommittee Updates

1. **Safe Routes Draft Action Plans:** Mr. Woodford reported no change since the last meeting.

2. **Bike Corrals/Bike Repair Station:** Bike Corrals – Mr. Woodford said a location within the Deschutes Avenue Quiet Street section, next to Housing Works, was being considered. The new location has not yet been discussed with business owners. Bike Repair Station:

Exhibit 1

Mr. Woodford said the Centennial Park expansion task force will review comments received at the City's open house. A bike repair station is still included in the preliminary design but will have to be privately funded. He recapped cost research done by Mr. Bray and Ms. Green.

Ms. Green said neither of the two bike shops in Redmond were interested in funding a bike repair station at this time. She suggested waiting until the planning process was complete before talking to the bike shops again. Mr. Bray announced his intent to apply for a Cycle Oregon grant of \$1,500 (station, \$1,300; materials and installation, \$200). The application deadline is due in September 2017. He recommended installing this station closer to Deschutes Avenue.

BPAC discussion covered cost of materials/installation, potential locations, and when construction might start.

3. **Marketing – Bike, Walk, and Roll Implementation:** Mr. Woodford reported meeting with Ms. Hammer and Ms. Hewitt. Ms. Hewitt discussed subcommittee plans for frequent posting of bike-related information (safety tips, activities) on BPAC's Facebook page. She is still working on the calendar. Mr. Woodford said the program Ms. Hewitt was using would post events automatically once the data was entered. *Next subcommittee meeting:* July 10, 2017.

BPAC suggestions included adding activities by bike shops, RORK (Redmond Oregon Running Klub), and Redmond Area Park and Recreation District.

4. **Wayfinding/Bike Map:** Mr. Woodford said he met with Chuck Arnold, Economic Development/Urban Renewal Program Manager, and Troy Rayburn, Programs Assistant, about downtown wayfinding signage. Construction is expected to start in summer 2017. Annie McVay and the Parks Committee is looking at neighborhood signage to direct people to access points in the Dry Canyon. Mr. Woodford said the City would get a proposal from the downtown wayfinding signage consultant for the Dry Canyon. He discussed the City's desire for a cohesive look in wayfinding signage. Mr. Caccavano said the Dry Canyon signage would not look exactly like signage in other parts of town.
5. **Deschutes Bike Boulevard Demonstration:** Mr. Caccavano reported meeting with Mr. Woodford; Mr. Arnold; and Rob Peters, Transportation Division Manager. Financing the segment of Deschutes Avenue that falls within the urban renewal district with urban renewal funds is being considered. More educational and wayfinding signage is needed. He spoke to Community Development Director Kate Porsche today about the possibility of getting a consultant involved with wayfinding signage. Traffic data indicate speeds and volumes on Deschutes Avenue are low. *New installation date:* September 1, before school starts.

Mr. Woodford said he would update Council about this project on June 12, 2017.

6. **Redmond Streets Alive** (Mr. Braly, Ms. Hammer): Mr. Woodford said planning was underway to utilize the Deschutes Avenue "Quiet Street" section for a Bike, Walk, Roll event in 2019. The subcommittee is exploring the potential to hold the Redmond Streets Alive event on the same day as the Redmond Streets Fair in hopes of drawing a larger crowd. The subcommittee would like to work with Brian Potwin, Commute Options, through the first year, due to his prior experience with this type of event.

E. Walking & Biking Events – Ideas

Mr. Woodford discussed ideas he picked up at the Oregon Heritage Conference. Klamath Falls has combined history events with biking and walking events as a way to bring its museum out to

Exhibit 1

the people. He explained how BPAC and the Redmond Historic Landmarks Commission could do something similar in conjunction with opening of the Homestead Canal Trail. He asked BPAC to e-mail ideas for other events the City might pursue.

BPAC members discussed the potential of guided walking tours like those in Boston, Massachusetts, if Redmond history was included in the school curriculum, and how the Homestead Trail was named (goes through the original homestead of Frank and Josephine Redmond).

Ms. McPherson said she had conducted “Wandering Redmond” tours on art history and Redmond history for Redmond Proficiency Academy students.

Mr. Caccavano asked if COID (Central Oregon Irrigation District) with its historic designation had to do an educational component. Mr. Woodford said he would pursue COID involvement.

CITIZEN COMMENTS

None.

COMMITTEE COMMENTS

Mr. Bray recapped a Bike to School event he led on May 10, 2017. Following a brief talk about safety, 40 kids plus parents and teachers rode 1½ miles from Quince Park to school and 30 kids rode back to Quince Park after school. This event was promoted on the school website, with teachers, and his own flyers. The weather was great and everyone had a good time.

Mr. Braly announced Redmond Public Works Department was being honored for its efforts to push forward the biking agenda in Redmond. He invited Mr. Caccavano and Redmond BPAC members to attend the annual award ceremony on June 21, 2017, 10 a.m., County Commission chambers in Bend, Oregon. He noted Ms. Hammer had been appointed as a new member of the County BPAC.

Ms. Hewitt reported “bike boxes” were included in the Oregon Driver’s Manual.

STAFF COMMENTS

Project Updates

- **Hot Oil Chip Seal Work:** Mr. Caccavano presented a May 30, 2017, news release. Chip-sealing started today (June 5) and will run through June 7. The City is working with Deschutes County. He reviewed the list of street closures, events, and delays and said an interactive map was posted on the City website. Striping will be done in two weeks. An Oregon State University team drove NE 9th Street (Hemlock Avenue to Negus Way) today to evaluate signage, striping, and traffic control and suggested a change in bike lane alignment. The City’s five-year plan included rebuilding this section of NE 9th Street, so the realignment could take place at that time. He summarized the City’s chip-seal process.

BPAC discussion covered life span of the chip-seal process, helpfulness of posting street closures on City website and Facebook, cyclist and pedestrian safety (poor line-of-sight on Antler Avenue due to cars, camper, and garbage cans occupying the bike lane and vehicle parking situation in the bike lane along 23rd Street), expected completion date of Dogwood Avenue reconstruction, potential to use Dogwood as a “quiet street,” and two sections of the new sidewalk between 35th and 27th Streets (along a new subdivision) raised up to a point.

Mr. Caccavano responded to BPAC concerns. Construction on Dogwood should be done by the end of June 2017. Near the end of the meeting he informed BPAC the Police Department was dispatching someone to check out the bike lane interference on Antler.

Exhibit 1

- **4th Street:** Mr. Caccavano discussed “quiet street” design concepts; the design is expected to be finished by summer 2018. Challenges to this project include speeding motorists and cut-through traffic. Speed and traffic volume data will be available by the July meeting. The Fire Department had good comments about parking and moving semis back from intersections.

Mr. Woodford suggested adding street trees to help beautify this corridor.

- **Homestead Trail:** Mr. Caccavano said the City is working on the final design and easements. ODOT (Oregon Department of Transportation) had a lot of input, particularly on Larch Avenue where traffic comes in/out of the hospital. A rectangular rapid-flashing beacon will be installed at the Kalama Avenue crossing. This project is expected to go out to bid in early fall 2017. Paving should begin in 2018.
- **15th Street** (Highland Avenue to Obsidian Avenue): Mr. Caccavano outlined what he and Mr. Woodford have been doing. This project is expected to go to bid in winter 2017-2018.
- **Dry Canyon Trail:** Mr. Caccavano reported removal of expansion joints. He reported mostly positive comments on Facebook and one negative comment about wasting money on trails.

BPAC concerns included potentially higher bike speeds without the expansion joints, conflicts between trail users, and users oblivious to their surroundings (cell phones, headphones). Suggested remedies: stenciling a 15 mile-per-hour speed limit and “Stay Right” instructions on the trail surface and educating people to be considerate and stay aware of other trail users.

- **Training:** He and Mr. Hayes will attend a bike conference (rural bike networks) in Bend, Oregon, on June 6, 2017. He will update BPAC at the July meeting.
- **South Highway 97:** Mr. Woodford announced the corridor project between the south urban growth boundary and Highland Avenue was starting again. The second phase of Redmond’s bypass is unlikely to happen, so ODOT’s goal is to improve access, safety, bike and pedestrian mobility along this corridor. He invited BPAC members to participate in the City’s stakeholder and citizen committees. A website will be created to provide project updates.

Following discussion, BPAC members decided to move the July meeting date from the 3rd to the 11th, hold the August 7 meeting as scheduled, and skip the September meeting.

Next meeting: Monday, July 11, 2017, 4 p.m.

ADJOURN

With no further business, Chair Swift adjourned the meeting at 5:10 p.m.

APPROVED by the Redmond Bicycle and Pedestrian Advisory Committee and SIGNED by me this _____ day of _____, 2017.

ATTEST:

David Swift
Chair

Scott Woodford
Senior Planner



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BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE

MINUTES

August 7, 2017

Redmond City Hall, 411 SW 9th Street, Room 207, Redmond, Oregon

Commissioners Present: Vice-Chair Katie Hammer, Scott Bojanowski, Bill Braly, Fred Bray, Hayes McCoy (*absent: Chair David Swift, Shirlee Evans, Andrea Green, Donald Hundt, Mike Ricketts; 1 vacancy*)

Youth Ex Officio Absent: Brook Hewitt

City Staff: Scott Woodford, *Senior Planner*; Mike Caccavano, *City Engineer*; Cameron Prow, *TYPE-Write II*

Visitors: Rosemary and Olaf Thingvall

Media: Dave Morgan, *RedmondNewsToday.com*

(Agenda items appear in the order discussed. The 3 digits after a motion title show the number of committee members voting in favor/opposed/abstaining.)

CALL TO ORDER

Vice-Chair Hammer called the regular meeting of the Redmond Bicycle and Pedestrian Advisory Committee (BPAC) to order at 4:04 p.m. without a quorum of members (4 of 10) present. Mr. McCoy arrived at 4:12 p.m., bringing the total members present to 5 which still did not constitute a quorum.

APPROVAL OF MINUTES

A. June 5, 2017

Vice-Chair Hammer postponed approval of the June 5, 2017, minutes due to lack of a quorum.

ACTION ITEMS

B. None

DISCUSSION ITEMS

C. September Bike and Pedestrian Counts

Mr. Woodford presented the staff report including count location lists from prior years. He summarized the background, activities, routes, observation procedures, and volunteer appreciation parties. Since the 2014 baseline counts, BPAC and community volunteers have done annual counts of bicyclists, pedestrians, and rollers (scooters, longboards, wheelchairs). Automatic counters would be helpful as getting enough volunteers to cover every location needed is an ongoing challenge. Prior to the count days, he will e-mail BPAC and others to request volunteers.

Mr. Caccavano said the City's one automatic counter, now used for speed studies, would not work because it did not register speeds under 12 miles per hour.

Exhibit 2

Members discussed potential count days and locations and agreed to the following dates: Thursday, September 14, 3:30-5:30 p.m., and Saturday, September 16, 12-2 p.m. Changes requested included listing count locations in priority order and changing the count location of 9th Street/Cascade Avenue to 9th Street/Deschutes Avenue. Members requested staff e-mail reminders about when to sign up.

D. Subcommittee Updates

1. **Bike Corrals/Bike Repair Station:** Mr. Bray said he attended the August 2 meeting of the Centennial Park Expansion Task Force (CPETF). The final proposal from the architects included moving the bike repair station from Deschutes Avenue (BPAC's proposed "quiet street") to a City-owned parcel close to Deschutes and installing bike racks at that location. He will write and submit a grant application for \$1,500 to Cycle Oregon in September 2017. He expected the grant amount to cover buying and installing one bike repair station. Annie McVay, Parks Division Manager, told him the Parks Department would cover the cost of the bike repair station if the grant was not received. Mr. Bray noted that, based on BPAC member Andrea Green's research, neither Trinity Bikes nor Hutch's Bicycles were interested in sponsoring a bike repair station at this time. In Hutch's case, the request was received outside its budget cycle. Trinity refused to sponsor without receiving name recognition. He suggested adding a donor recognition plaque, "Donated by Trinity Bikes," to the bike station. He will contact Ms. Green for an update on potential sponsors and forward that information to Mr. Woodford.

Mr. Braly will contact Ms. McVay about name recognition options for a potential sponsor and forward that information to Mr. Woodford.

Mr. Caccavano said he expected to cover the cost of the concrete for the bike repair station within the cost of the sidewalk. He said Parks Committee policy did not allow name recognition for sponsors.

Mr. Woodford reported that Troy Rayburn, Centennial Park Expansion Project Manager, said the Urban Renewal Agency would prefer to see some fund-raising efforts. He agreed to be the City's grant contact person.

BPAC discussion covered how to do fund-raising if no grant was received, potential sponsors, and if a plaque could be mounted on the bike repair station naming the community sponsor.

Mr. Morgan suggested the City use the Go Fund Me website to aid in fund-raising.

2. **Marketing – Bike, Walk, and Roll Implementation:** Vice-Chair Hammer reported this subcommittee had a short meeting two weeks ago and was tentatively scheduled to meet again on August 24. She said Youth Ex Officio member Brook Hewitt was still working on the online event calendar and hoped to finalize it during August.

Mr. Woodford said the online calendar was intended to help increase BPAC's social media presence on Facebook.

3. **Wayfinding/Bike Map:** *Wayfinding* – Mr. Woodford said he contacted Kim Ambercini who designed vehicular wayfinding signage for downtown Redmond. (A major hold-up has been finding someone to manufacture the signs.) Bicycle and pedestrian wayfinding designs would complement vehicular wayfinding signage but have different colors. Interest has been expressed by Ms. McVay (Parks Department) and Chuck Arnold, Economic

Development/Urban Renewal Project Manager as well as the community. He will present designs scaled for bicycle and pedestrian use to the full BPAC when they become available.

Mr. Caccavano reported contacting a sign manufacturer this morning. The price is reasonable. The City is fine-tuning a proposal with the Tube Art Group for the vehicular wayfinding signage.

Bike Map – Vice-Chair Hammer said the subcommittee was also trying to help make the bike map available to encourage citizens to engage in more active transportation than driving. Mr. Woodford said BPAC's goal for the bike map was to make it available to bike shops and downloadable to aid recreational and commuting users in getting around the community. He did not know when Mr. Caccavano's digital version of this map, to be posted on the City website, would be done. Charlie Rucker has indicated interest in helping with this project and Communications Manager Heather Cassaro could also be involved.

- 4. Deschutes Quiet Street Demonstration:** Mr. Caccavano said he would make a presentation at the Downtown Urban Renewal Advisory Committee (DURAC) meeting on September 11. DURAC approval is needed since funding for this project will come from the urban renewal budget. He stated Public Works staff was ready to apply street markings as soon as the project receives approval.

Mr. Woodford summarized the purpose of "quiet streets" and the proposed demonstration route on Deschutes Avenue (4th Street to the Dry Canyon). A component of the wayfinding signage would inform people what quiet streets are, how they function, and how to provide feedback to the City.

Ms. Thingvall asked if the "quiet street" project would use a north/south route. Mr. Caccavano discussed the goal for this project – to increase ridership – and BPAC's hope that more quiet streets would be designated in the future.

BPAC concerns included progress on the downhill entrance to Sam Johnson Park (west end of Deschutes Avenue), when faded bike lanes are restriped, and when the Canal Boulevard project was expected to start. Mr. Bray offered to inform Mr. Caccavano about which bike lanes needed restriping.

Mr. Caccavano outlined improvements planned to the service road and some canyon trails in conjunction with the overlay project along 15th Street. Mr. Woodford asked about Public Works policy regarding maintenance of bike sharrows. Mr. Caccavano discussed advantages/disadvantages to painted vs. thermoplastic sharrows and said he would add repainting bike sharrows to the maintenance list. Restriping bike lanes would require borrowing equipment from ODOT (Oregon Department of Transportation) or, possibly, the airport. He said receiving requests to restripe bike lanes early in the summer made it easier to add those projects to the good-weather maintenance list. He reported reconstruction of Canal Boulevard from Obsidian Avenue to Yew Avenue was expected to start this winter and continue into the summer of 2018. Reconstruction of Canal south of Timber Avenue is still in the design phase.

- 5. Redmond Streets Alive:** Mr. Braly summarized the background of this new event which is scheduled for June 24-25, 2018. The City is negotiating with Commute Options to manage planning of the inaugural event. A Redmond Street Festival on 6th Street is scheduled to take place that same weekend. Vice-Chair Hammer said the purpose of this event was to educate the community about how safe and fun it is to walk and bike in Redmond.

Ms. Thingvall advised using The Bulletin to promote this event to seniors who don't use social media very much.

CITIZEN COMMENTS

Ms. Thingvall said she and her husband were frequent bikers. She suggested 10th Street south of Maple Avenue as a quiet street that would parallel Highway 97. Mr. Caccavano discussed opportunities for quiet streets on the north end of Redmond. Mr. Woodford offered to e-mail a bike map to the Thingvalls.

COMMITTEE COMMENTS

Vice-Chair Hammer announced the National Walk to School Day was on October 4, 2017. She discussed opportunities for using "Walking School Bus" and "Bike Train" events at area schools on that date to generate interest and awareness in the community about other transportation options.

Mr. Bray summarized his experience in promoting and conducting two Bike Train events at Tom McCall Elementary School. He asked who was legally liable if a student were injured during this event.

STAFF COMMENTS

Mr. Caccavano reminded BPAC the sharrows on 15th Street were painted due to concerns about how well they would work with other users. Speeds along 15th Street, based on a follow-up speed survey, are about 20 miles per hour and traffic is not too heavy. Mr. Bray asked when improvements on the south part of 15th Street would be done. Mr. Caccavano replied the project was on hold due to budget concerns, but that the planned improvements were still a priority as they would improve access to two schools.

Mr. Woodford said the City and ODOT had restarted the South Highway 97 Corridor project (south boundary to Highland Avenue). Goals are to make this corridor more economically viable by improving access safety and aesthetics. Mr. Bojanowski and Mr. Braly previously volunteered to represent BPAC interests (safer biking and walking) on the South Highway 97 Corridor advisory committee. Mr. Braly said the design was expected to be done by the end of this year. Finding the dollars for this project was the next step. Mr. Caccavano said he would bring concept drawings (SE 9th Street south of Highway 126 through the old Juniper Golf Course to Veterans Way) to BPAC's October meeting.

Mr. Woodford discussed how master plans and other projects with a bike and pedestrian element were implementing a lot of BPAC's network plan. He offered to provide a fuller update at the October meeting.

Next meeting: Monday, October 2, November 6, December 4, 2017, 4 p.m.

ADJOURN

With no further business, Vice-Chair Hammer adjourned the meeting at 5:14 p.m.

APPROVED by the Redmond Bicycle and Pedestrian Advisory Committee and SIGNED by me this _____ day of _____, 2017.

ATTEST:

David Swift
Chair

Scott Woodford
Senior Planner

September 14, 2017 3:30-5:30 pm weather: sunny, 65 degrees	Bicyclists								Pedestrians								Other (Skateboards, Rollerbladers, Strollers, Etc.)								Total																		
	Age 0-10		Age 11-20		Age 21-60		Age 61+		Age 0-10		Age 11-20		Age 21-60		Age 61+		Age 0-10		Age 11-20		Age 21-60		Age 61+																				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		Male	Female																
1 Canal Boulevard & SE Heights Avenue																																											
2 Dry Canyon Trail @ Maple Ave. Bridge	2	0	1	0	7	3	0	0	0	1	0	0	4	27	2	5	0	0	0	1	0	0	0	0	0	53																	
3 Dry Canyon Trail @ Obsidian Ave. Stairs	1	1	5	3	4	0	0	0	7	3	6	7	4	14	0	0	4	1	2	0	0	0	0	0	0	62																	
4 Dry Canyon Trail @ Quartz Avenue	0	0	4	2	6	1	0	0	5	0	6	1	4	9	0	2	1	0	1	0	0	0	0	0	0	42																	
5 Dry Canyon Trail @ 15th St. & Black Butte	0	0	9	4	7	1	0	0	2	0	1	7	11	8	0	0	4	0	10	14	0	0	0	0	0	78																	
6 Dry Canyon Trail @ Spruce Ave. Stairs	2	0	4	0	6	3	3	0	0	0	34	36	5	12	1	0	0	0	1	1	0	0	0	0	0	108																	
7 Evergreen Ave./Hwy 126 & SE Franklin	0	0	2	2	4	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	11																	
8 Helmholtz Way & Obsidian Avenue																																											
9 Maple Avenue Bridge @ US 97	2	0	5	3	6	0	0	0	1	0	1	6	2	1	1	1	0	0	3	0	1	0	0	0	0	33																	
10 10th Street & Quince Ave.	7	1	10	1	3	2	0	0	7	10	5	8	2	6	0	0	5	2	3	1	0	0	0	0	0	73																	
11 SE Airport Way (near COCC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
12 15th Street & Highland Avenue	0	0	3	4	6	2	2	0	0	0	6	7	8	1	1	0	4	0	14	0	0	2	0	0	0	60																	
13 Rimrock Blvd. & Highland Avenue	0	0	12	5	2	2	0	0	0	1	21	20	3	6	0	0	0	0	2	0	3	1	0	0	0	78																	
14 27th Street & Obsidian Avenue	5	4	7	2	1	0	2	0	6	15	6	5	5	4	2	2	4	0	0	1	0	0	0	0	0	71																	
15 9th Street & Black Butte Boulevard	0	0	5	3	6	0	1	0	1	3	4	7	9	9	2	0	0	0	3	0	0	0	0	0	0	53																	
16 9th Street & Cascade Avenue																																											
17 9th Street & Deschutes Avenue	0	0	4	2	1	1	1	0	0	0	13	7	6	3	2	1	0	0	2	0	0	0	0	0	0	43																	
18 US 97 & Veterans Avenue	0	0	1	0	5	1	1	0	0	1	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	14																	
19 19th Street & Maple Avenue	2	0	8	1	6	0	0	0	0	0	3	5	1	2	0	1	0	0	0	0	1	0	0	0	0	30																	
20 Canal Boulevard & Pumice Avenue	0	0	2	0	5	0	0	0	1	1	4	2	5	5	0	1	0	0	1	0	0	0	0	0	0	27																	
21 Maple Avenue Bridge over Dry Canyon	2	0	3	1	3	0	0	0	0	0	3	1	1	0	0	0	0	0	2	0	0	0	0	0	0	16																	
Sub-Total Male/Female	23	6	85	33	78	16	10	0	30	35	113	121	74	109	11	13	22	3	44	18	5	3	0	0																			
Sub-Total Age Group	29		118		94		10		65		234		183		24		25		62		8		0																				
Sub-Total Transportation Mode	251								506								95																										
Total																									852																		

Saturday, September 16, 2017 from noon-2pm weather: cloudy, calm 64 degrees	Bicyclists								Pedestrians								Other (Skateboards, Rollerbladers, Strollers, Etc.)								Total																		
	Age 0-10		Age 11-20		Age 21-60		Age 61+		Age 0-10		Age 11-20		Age 21-60		Age 61+		Age 0-10		Age 11-20		Age 21-60		Age 61+																				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		Male	Female																
1 Canal Boulevard & SE Heights Avenue	0	0	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	11																	
2 Dry Canyon Trail @ Maple Ave. Bridge	0	4	3	2	13	6	0	0	0	1	3	1	9	14	0	0	0	0	0	0	0	0	0	0	0	56																	
3 Dry Canyon Trail @ Obsidian Ave. Stairs	0	0	5	0	11	10	0	0	0	0	3	3	3	4	0	0	0	0	5	0	0	0	0	0	0	44																	
4 Dry Canyon Trail @ Quartz Avenue	0	0	2	0	6	3	0	0	0	1	3	2	0	3	0	3	0	0	0	3	2	3	0	0	0	31																	
5 Dry Canyon Trail @ 15th St. & Black Butte	1	0	12	1	12	9	9	0	0	0	6	2	14	11	7	2	0	0	2	1	0	0	0	0	0	89																	
6 Dry Canyon @ Spruce Avenue Stairs	2	2	0	2	8	6	8	5	0	0	0	0	3	3	4	3	0	0	0	0	0	0	0	0	0	46																	
7 Helmholtz Way & Obsidian Avenue																																											
8 Maple Avenue Bridge @ US 97																																											
9 10th Street & Quince Ave.																																											
10 SE Airport Way (near COCC)	0	0	0	0	7	0	0	1	0	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	13																	
11 15th Street & Highland Avenue	0	0	13	1	9	1	1	0	0	0	5	6	14	8	0	2	2	0	5	0	0	0	0	0	0	67																	
12 Rimrock Blvd. & Highland Avenue	1	0	9	1	2	0	0	0	4	3	18	18	14	8	0	0	0	0	11	0	0	0	0	0	0	89																	
13 27th Street & Obsidian Avenue																																											
14 9th Street & Black Butte Boulevard	0	0	0	1	0	0	1	0	0	0	4	1	5	2	1	2	0	0	0	0	0	0	0	0	0	17																	
15 9th Street & Cascade Avenue																																											
16 9th Street & Deschutes Avenue	3	0	0	0	3	2	0	0	0	0	2	2	4	5	1	0	0	0	0	2	0	0	0	0	0	24																	
17 US 97 & Veterans Avenue	0	0	0	0	4	1	1	0	0	0	0	0	7	2	0	0	0	0	2	0	0	0	0	0	0	17																	
18 19th Street & Maple Avenue																																											
19 Canal Boulevard & Pumice Avenue																																											
20 Maple Avenue Bridge over Dry Canyon	0	0	6	0	1	1	0	0	0	1	0	4	5	1	1	0	0	0	0	0	0	0	0	0	0	20																	
Sub-Total Male/Female	7	6	52	12	79	39	20	6	4	6	44	39	81	62	15	12	2	0	27	6	2	3	0	0																			
Sub-Total Age Group	13		64		118		26		10		83		143		27		2		33		5		0																				
Sub-Total Transportation Mode	221								263								40																										
Total																									524																		

Comments from volunteers:
To be filled in