Getting there safely



2018 Regional Transportation Plan update

TRANSPORTATION SAFETY

High Injury Corridors - DRAFT

January 2017



REGIONAL HIGH INJURY CORRIDORS

Regional High Injury Corridors (HICs) are stretches of roadways in the Portland metropolitan area where the highest concentrations of severe crashes involving a motor vehicle occur on the regional transportation network. ¹ Metro developed a replicable and quantitative assessment of the crash performance on roadways on the regional transportation network to support planning and prioritization of corridor safety efforts.

A majority (60%) of severe crashes in the region occur on 23% of the roadways on the regional transportation network, and 6% of all streets in the region.

Corridors	Miles of Streets	% of all severe crashes (2010-2014)	% regional transportation network (1,739 miles)	% of all streets (6,565 miles)
Regional HIC	398	60%	23%	6%
(auto, bike, pedestrian)				
Auto HIC (auto only)	282	50%	16%	4%
Bike HIC (bike/auto)	177	50%	10%	3%
Ped HIC (pedestrian/auto)	133	50%	8%	2%

Purpose

Metro developed the HICs to help meet the safety goals and targets of the Regional Transportation Plan (RTP).² As part of the 2018 update of the RTP, Metro is updating the 2012 Regional Transportation Safety Plan and the 2012 Metro State of Safety Report. The 2014 RTP identified the need to identify HICs in the update of the transportation safety plan to provide another tool to support planning and prioritization of safety efforts.

The 2012 Metro State of Safety Report identified several factors contributing to high severe crash rates in the region: arterial roadways, multi-lane roadways, lack of lighting, and behavior (e.g. drunk driving). At the time, however, Metro lacked the ability to quantify risk by specific roadways.

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¹ The regional transportation network is comprised of the arterial and throughway, freight, transit, bicycle and pedestrian networks shown in the network maps in Chapter 2 of the 2014 Regional Transportation Plan, http://www.oregonmetro.gov/regional-transportation-plan

² Metro is currently updating the RTP, including the safety performance measures and targets. A new safety target will be proposed in the 2018 RTP: "By 2035 eliminate transportation related fatalities and serious injuries for all users of the region's transportation system, with a 16% reduction by 2020 (as compared to the 2015 five year rolling average), and a 50% reduction by 2025."

A recommendation of the 2014 Regional Transportation Safety Plan was to develop performance measurements to identify high-crash arterials in the region. Metro began to research methods for identifying regional high injury corridors in 2015 to fulfill this recommendation and incorporate the findings into the update Regional Transportation Safety Plan and the 2018 RTP.

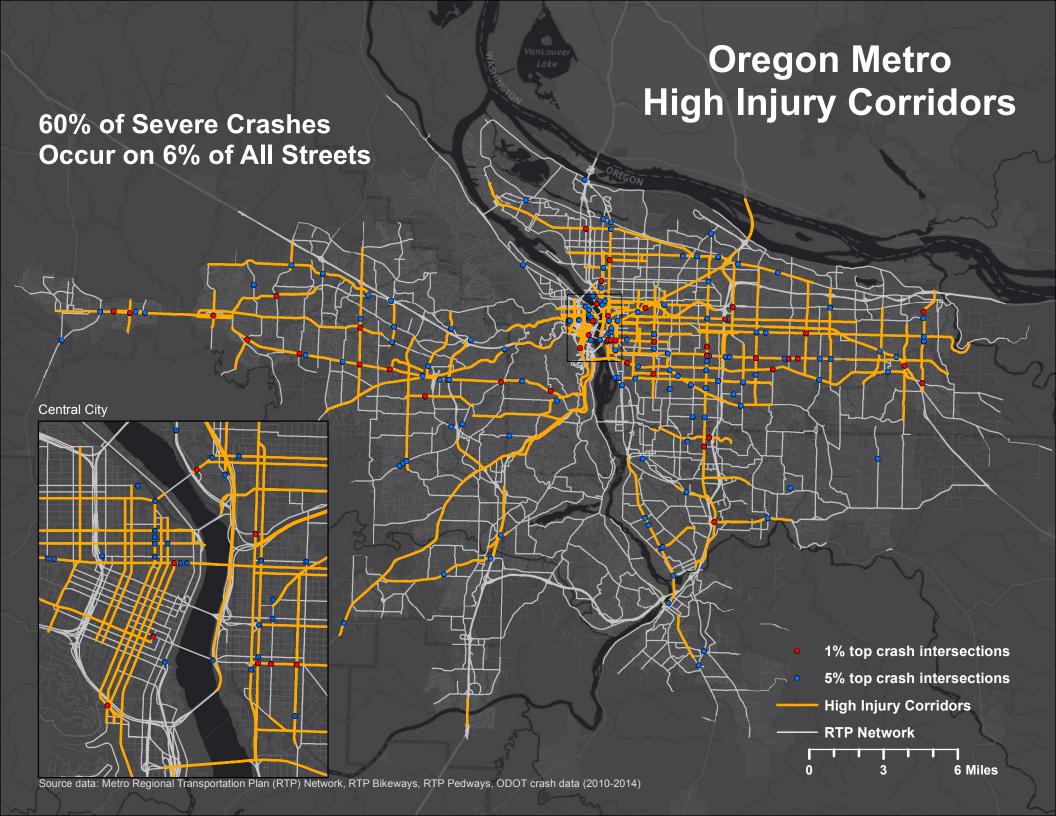
Project evaluation criteria and evaluation processes for the RTP have not yet been decided on, but safety will most likely be included and high injury corridors may also be used in the RTP evaluation. Projects submitted to the RTP will identify if they are on a high injury corridor and whether they are a safety project.³ This information will be used to help assess the level of investment in the plan specifically directed towards safety and specifically addressing safety issued on a high injury corridor. This information may also possibly be used in the RTP project evaluation.

High Injury Corridors

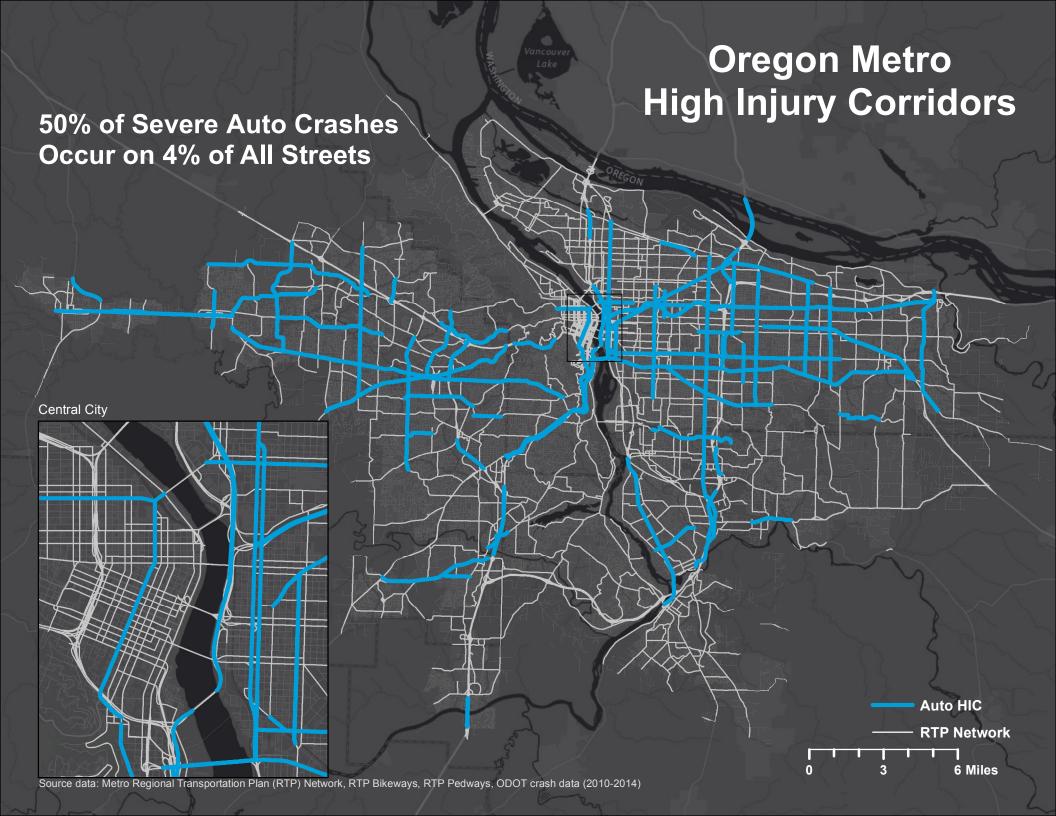
The following maps show the combined high injury corridors and for each mode. The thirty-five corridors with the highest severe crashes per miles for each mode and combined are listed after each map. A full list of corridors for each mode and combined is provided at the end of the report.

³

³ In the RTP, regional safety projects are defined as infrastructure projects with the primary intent to address a safety issue, and allocate a majority of the project cost to a documented safety countermeasure(s) to address a specific documented risk, or improve safety for vulnerable users, including people walking and bicycling, older adults and youth. Example safety countermeasures include, but are not limited to, FHWA's nine proven safety countermeasures: road diets, medians and pedestrian crossing islands, pedestrian hybrid beacons, roundabouts, access management, retroreflective backplates, safety edge, enhanced curve delineation, and rumble strips.



	To	p 35 Combined (Ped/Bike,	/Auto) High Injury Corridors –Severe	Crashes per N	⁄lile				
Corridor	From	То	Jurisdiction	# of Severe Crashes	Length	Severe Crashes per Mile	Ir Ped	Top 35 HIC Bike	? Auto
I-5 Southbound	I-405 at Fremont Bridge	Burnside Bridge	Portland	13	1.5	8.61			Х
Adair	Baseline	Pacific Highway	Cornelius & Forest Grove	13	1.5	8.48		Х	Х
Division	7 th	190 th	Gresham & Portland	80	9.6	8.29	х	X	X
I-5 Northbound	Marquam Bridge	I-405 at Fremont Bridge	Portland	18	2.5	7.13			Х
181 st	Sandy	182 nd (Merging)	Gresham	14	2.1	6.62	х	X	X
Tualatin Valley Highway	Hocken	10 th	Washington Co, Beaverton & Hillsboro	55	8.3	6.60		х	Х
Broadway	SW 4 th	Naito	Portland	13	2.0	6.36	х	Х	Х
Ross Island Bridge	Grand	I-5	Portland	8	1.4	5.81			Х
82 nd	Killingsworth	E. Berkeley	Clackamas Co, Gladstone & Portland	75	13.4	5.60	Х	Х	
Foster	136 th	50 th & Powell	Portland	26	4.7	5.57	х	Х	
102 nd	Sandy	Cherry Blossom (Merging)	Maywood Park & Portland	15	2.9	5.19	х		Х
Powell	Burnside	McLoughlin	Portland	65	12.9	5.04	х	Х	
I-84 Westbound	82 nd	Martin Luther King Jr.	Gresham & Portland	24	4.8	5.04			Х
Rosa Parks	42 nd	Killingsworth	Portland	8	1.6	4.98			Х
96 th	99 th & Washington	Division	Portland	5	1.0	4.96	х		Х
I-5 Southbound	Hwy 217	Tualatin River	Tigard	5	1.0	4.85			Х
185 th	Springville	Farmington	Washington Co & Hillsboro	29	6.0	4.82		х	Х
SE/NE 162 nd	Powell	Sandy	Gresham & Portland	18	3.8	4.76	х		
Martin Luther King Jr.	Columbia Blvd.	Division	Multnomah Co, Beaverton & Portland	27	5.8	4.66	х	х	
Sunset Highway (Eastbound)	Hwy 217	Tunnel	Portland	9	1.9	4.63			Х
Grand Avenue	Broadway	Powell	Portland	16	3.5	4.63	х	Х	
Highway 217 Southbound	Beaverton Hillsdale	Sunset Highway	Beaverton	8	1.8	4.57			Х
Washington Street	Stark	Thorburn	Portland	9	2.0	4.56			Х
Tualatin Valley Highway	341 st	17 th	Washington Co, Cornelius & Hillsboro	5	1.1	4.54			Х
Halsey	I-84 at NE 67th	Sandy	Portland	7	1.6	4.48			Х
McLoughlin	Jefferson	Oregon City Bridge	Clack Co, Gladstone, Milwaukie, Ore City	30	6.8	4.41	х		
Highway 8 / Canyon	Hocken	Sunset Highway	Portland	17	3.9	4.41			
I-205 Southbound	Washington State Line	Marine Dr	Beaverton	7	1.6	4.36			Х
Wiedler	24 th	Broadway (Merging)	Portland	6	1.4	4.31		Х	
Highway 217 – Northbound	Pacific Highway	Scholls Ferry	Beaverton & Tigard	7	1.6	4.29			Х
I - 84 Eastbound	I-5	1-205	Portland	21	4.9	4.28			Х
Highway 8 / Baseline	TV Highway (near SW 17 th)	TV Highway (near SE 10 th)	Hillsboro	7	1.7	4.22	Х		
Beaverton Hillsdale	Capitol Highway	Lombard	Washington Co, Beaverton & Portland	22	5.3	4.13			Х
112 th	Holgate	Market	Beaverton	6	1.5	3.98			-
Highway 217 - Northbound	Beaverton Hillsdale	Sunset Highway	Clack Co, Wash Co, Lake Oswego, Tigard & Tualatin	7	1.8	3.96			х



		Top 35 Auto High Injury Cor	ridors – Severe Crashes per Mile			
Corridor	From	То	Jurisdiction	# of Crashes	Length	Severe Crashes per Mile
I-5 Southbound	I-405 at Fremont Bridge	Burnside Bridge	Portland	11	1.5	7.28
Adair	Baseline	Pacific	Cornelius & Forest Grove	11	1.5	7.18
I-5 Northbound	Marquam Bridge	I-405	Portland	16	2.5	6.34
Division	7 th	190 th	Gresham & Portland	54	9.6	5.60
181 st	Sandy	182 nd	Gresham	11	2.1	5.20
Ross Island Bridge	Grand	I-5	Portland	7	1.4	5.08
Rosa Parks	Cully	Killingsworth	Portland	8	1.6	4.98
I-5 - Southbound	Hwy 217	Tualatin River	Tigard	5	1.0	4.85
Tualatin Valley Highway	Hocken	10 th	Washington County, Beaverton, & Hillsboro	40	8.3	4.80
Sunset Highway (Eastbound)	Hwy 217	Tunnel	Multnomah County, Beaverton, & Portland	9	1.9	4.63
Hwy 217 Southbound	Sunset Highway	Beaverton Hillsdale	Beaverton	8	1.8	4.57
I-84 Westbound	Martin Luther King Jr.	82 nd	Portland	21	4.8	4.41
I-205 Southbound	Washington State Line	Marine Dr	Portland	7	1.6	4.36
Hwy 217 Northbound	Scholls Ferry	Pacific Highway	Beaverton & Tigard	7	1.6	4.29
185 th	Springville	Farmington	Washington County & Hillsboro	25	6.0	4.16
I-84 Eastbound	I-5	I-205	Portland	20	4.9	4.07
Washington Street	Stark St.	Thorburn	Portland	8	2.0	4.05
96 th	SE Washington St.	SE Division St.	Portland	4	1.0	3.97
Hwy 217 Northbound	Beaverton Hillsdale	Sunset Highway	Beaverton	7	1.8	3.96
I-5 Northbound	Kruse	Nyberg	Clack. Co, Wash. Co, L. Oswego, Tigard & Tualatin	11	2.8	3.96
Broadway	SW 4 th	Naito	Portland	8	2.0	3.92
Halsey	I-84 at NE 67 th	Sandy	Portland	6	1.6	3.84
47 th	Glisan	Wistaria	Portland	4	1.0	3.83
102 nd	Sandy	Cherry Blossom	Maywood Park & Portland	11	2.9	3.81
Tualatin Sherwood	Pacific Highway	Nyberg	Washington County & Sherwood & Tualatin	17	4.5	3.75
I-205 Southbound	Washington State Line	Division	Portland	4	1.1	3.70
Brookwood	Shute	Sunset Highway	Hillsboro	4	1.1	3.68
Tualatin Valley Highway	341 st	17 th	Washington County, Cornelius, & Hillsboro	4	1.1	3.63

Tigard & Tualatin

Clackamas County & Wilsonville

Clackamas County & Happy Valley

Washington County, Beaverton, & Portland

Portland

Portland

Beaverton

5

6

4

4

11

10

18

1.4

1.7

1.1

1.1

3.2

2.9

5.3

3.62

3.59

3.58

3.49

3.45

3.41

3.38

Nyberg

Airport Way

Wilsonville Road

Idleman & Otty

Capitol Highway

Bertha Blvd

Davis

Kruse

Miley

92nd

Stevens

Lombard

Washington State Line

Marquam Bridge

I-5 Southbound

I-5 Southbound

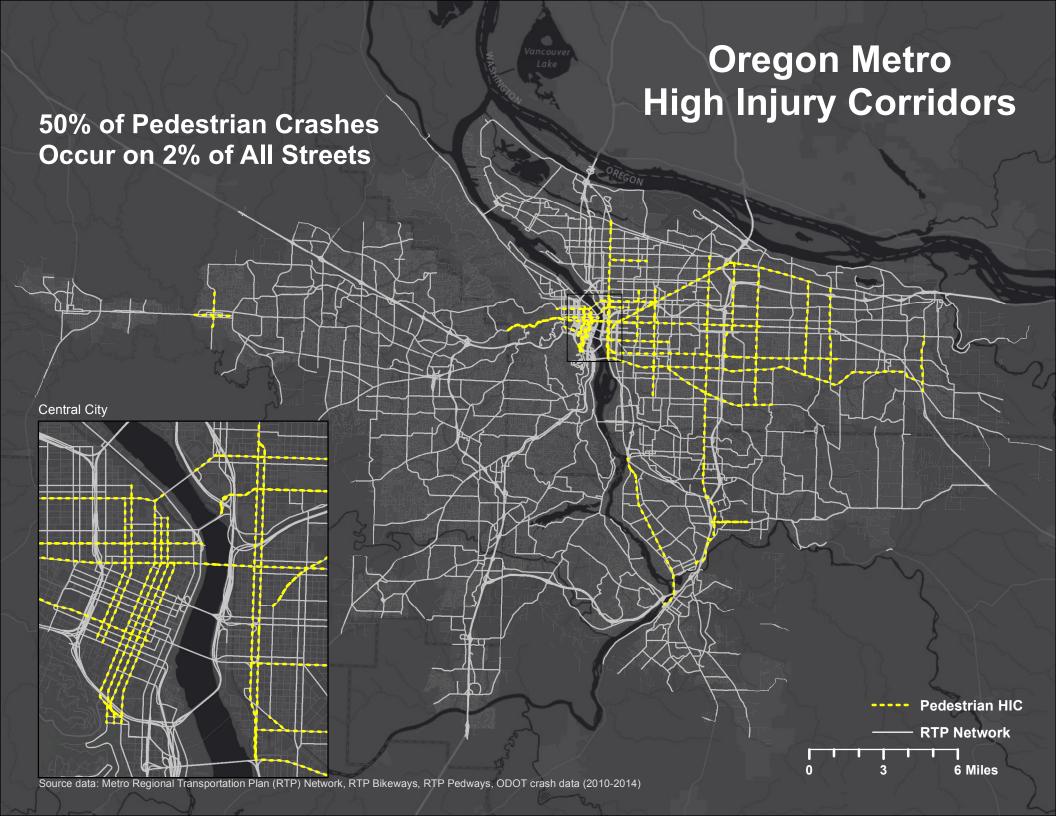
I-5 Northbound

Beaverton Hillsdale

Allen

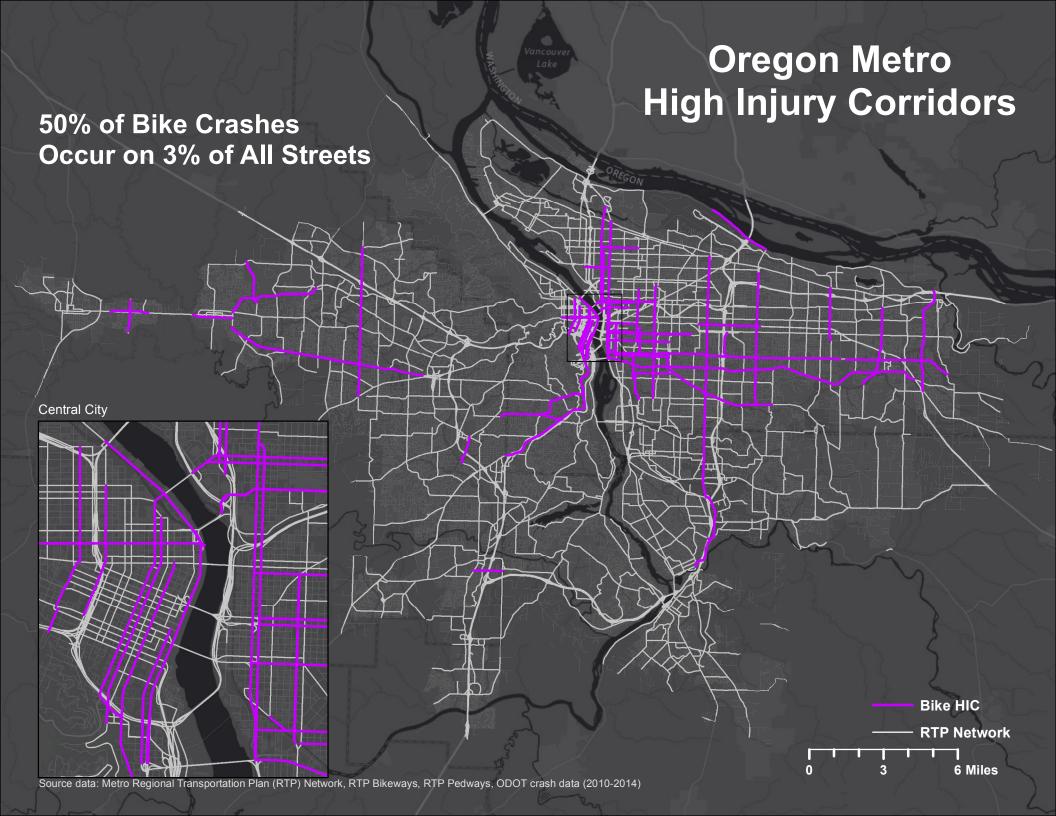
I-205 Northbound

SE Bob Schumacher Road



34 Pedestrian High Injury Corridors –Severe Crashes per Mile

Corridor	From	То	Jurisdiction	# of Severe Crashes	Length (MI)	Severe Crashes per Mile	# of Minor Crashes
Division	7 th	190 th	Gresham & Portland	22	9.6	2.28	61
82 nd	Killingsworth	Causey	Clackamas Co., Gladstone & Portland	27	13.4	2.02	93
Broadway	SW 4 th	Naito	Portland	4	2.0	1.96	24
McLoughlin	Jefferson	Oregon City Bridge	Clackamas Co., Gladstone, Milwaukie, Oregon City	13	6.8	1.91	32
Foster	136 th	50 th Ave & Powell Blvd.	Portland	8	4.7	1.71	18
East Burnside	75 th	124 th	Portland	4	2.6	1.55	7
SW 4 th	Sheridan	Burnside	Portland	2	1.3	1.53	20
SE 28 th	Madison	Knott	Portland	3	2.0	1.49	5
SE/NE 102 nd	Sandy	Cherry Blossom	Maywood Park & Portland	4	2.9	1.38	19
Burnside	At SW Barnes	NE 68 th	Portland	14	10.2	1.37	56
Alberta	33 rd	Martin Luther King Jr.	Portland	2	1.5	1.34	13
SE/NE 162 nd	Powell	Sandy	Gresham & Portland	5	3.8	1.32	11
Highway 212	I-205	East of HWY 224 Interchange	Clackamas County & Happy Valley	3	2.4	1.25	9
Baseline	TV Highway (near SW 17 th)	TV Highway (near SE 10 th)	Hillsboro	2	1.7	1.21	12
Powell	Burnside	McLoughlin	Gresham & Portland	15	12.9	1.16	75
Grand	Broadway	Powell	Portland	4	3.5	1.16	12
SE 182 nd	Highland & Powell	181 st	Gresham	2	1.7	1.15	7
Everett	Westover	Naito	Portland	2	1.8	1.10	13
SW/NW 6 th Ave.	Sheridan	Irving	Portland	2	1.8	1.10	10
Martin Luther King Jr.	Columbia	Division	Portland	6	5.8	1.03	31
SE 96 th	Washington Street	Division	Portland	1	1.0	0.99	5
SE 181 st	Sandy	182 nd	Gresham	2	2.1	0.95	16
Sandy	7 th	165 th	Maywood Park & Portland	9	9.6	0.94	41
Multnomah Street	Steel Bridge	21 st	Portland	2	2.2	0.91	14
Kane	257 th & Stark	Orient & Palmquist	Gresham & Troutdale	2	2.2	0.89	15
SW/NW 11 th	Lovejoy	Market	Portland	1	1.1	0.89	7
Cesar E. Chavez	Wistaria	Woodstock	Portland	4	4.7	0.85	27
SW/ NW 10 th Ave.	Northrup	Market	Portland	1	1.2	0.80	8
Broadway	Broadway Bridge	Sandy	Portland	2	2.5	0.80	26
Lovejoy	Cornell	Broadway	Portland	1	1.3	0.77	8
NE/SE 122 nd	Skidmore	Foster	Portland	4	5.5	0.73	30
1 st	Glencoe	Wood	Hillsboro	1	1.5	0.68	12
Hawthorne	51 st	Martin Luther King Jr.	Portland	2	3.1	0.66	18
SW/NW 5 th	Irving	Sheridan	Portland	1	1.8	0.55	14



Top 35 Bike High Injury Corridors –Severe C	asnes per iville
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Corridor	From	То	Jurisdiction	# of Severe Crashes	Length (MI)	Severe Crashes per Mile	# of Minor Crashes
SE 50 th	Powell	Division	Portland	2	1.1	1.79	5
NE Wielder	24 th	Broadway	Portland	2	1.4	1.44	19
Marine Drive	122 nd	Portland Airport	Portland	3	2.7	1.12	3
NW Everett	Westover	Naito	Portland	2	1.8	1.10	13
Skidmore	Interstate	Martin Luther King Jr.	Portland	1	1.0	0.99	11
SW/NE 257 th	I-84	Kane & Stark	Troutdale	2	2.1	0.97	6
SE 28 th	Woodstock	Gladstone	Portland	1	1.1	0.88	3
SE Ankeny	28 th	Martin Luther King Jr.	Portland	1	1.2	0.84	14
10 th	Cornelius Schefflin	Oleander	Cornelius	1	1.2	0.81	3
Powell	Burnside	McLoughlin	Gresham & Portland	9	12.9	0.70	45
Martin Luther King Jr.	Columbia	Division	Portland	4	5.8	0.69	38
SW/NW 18 th	Thurman	Collins & Jefferson	Portland	1	1.5	0.69	7
Ainsworth	Vancouver	27 th	Portland	1	1.5	0.67	5
Gladstone	42 nd	52 nd	Portland	1	1.5	0.67	7
Hawthorne	51 st	Martin Luther King Jr.	Portland	2	3.1	0.66	46
Adair	Baseline	Pacific	Cornelius & Forest Grove	1	1.5	0.65	6
Foster	136 th	50 th & Powell	Portland	3	4.7	0.64	25
Oak	Baseline & T.V. Highway	10 th	Hillsboro	1	1.6	0.62	4
Tualatin Valley Highway	Hocken	10 th	Washington Co., Beaverton & Hillsboro	5	8.3	0.60	26
Grand	Broadway	Powell	Portland	2	3.5	0.58	34
Broadway	SW 4 th	Naito	Portland	1	2.0	0.49	37
Clinton	50 th	12 th	Portland	1	2.1	0.48	7
Williams	Jessup	Wheeler	Portland	2	4.2	0.48	25
Vancouver	Weilder	Martin Luther King Jr.	Portland	3	6.3	0.47	30
SE/NE 181 st	Sandy	182 nd	Gresham	1	2.1	0.47	19
Multnomah	Steel Bridge	21 st	Portland	1	2.2	0.45	16
Cesar E. Chavez	Wistaria	Woodstock	Portland	2	4.7	0.42	19
Division	7 th	190 th	Gresham & Portland	4	9.6	0.41	52
Belmont	69 th	Grand	Portland	2	4.8	0.41	15
Broadway	Broadway Bridge	Sandy	Portland	1	2.5	0.40	54
SE 11 th	Sandy	Clinton	Portland	1	2.6	0.39	19
Multnomah Blvd.	Garden Home	I-5	Portland	1	2.7	0.37	10
185 th	Springville	Farmington	Washington Co. & Hillsboro	2	6.0	0.33	21
Barbur Drive	65 th	Sheridan	Portland	2	6.3	0.32	26
NE/SE 82 nd	Killingsworth	Berkeley St.	Clackamas Co., Gladstone & Portland	4	13.4	0.30	61

Methodology

Metro reviewed methods used by San Francisco, Los Angeles, Florida, Toledo, Hillsborough County MPO, Kentucky, San Diego, Mid-Ohio Regional Planning Commission, Portland and ODOT. Metro had several goals for the methodology:

- that it be replicable so that it could be used over time to track changes;
- that it be quantifiable so that assessments could be made objectively;
- that it focus on severe crashes and not fender benders;
- that it focus on the regional transportation network;
- that it identify high injury corridors and not only hot spots;
- that it capture a majority of the fatal and severe crashes in the region while also resulting in a subset of roadways in order to support planning and prioritization;
- that segments be normalized by segment length.

Metro primarily utilized the approaches developed by San Francisco and Portland and then developed a GIS based analysis that achieved the goals. ⁴

- 1. 2010-2014 crash data from the Oregon Department of Transportation was analyzed weighting fatal and severe crashes higher than other crashes.
- 2. Regional transportation networks for freight, arterial and throughway, transit, bicycle and pedestrians indentified in the 2014 RTP were combined into one regional transportation network.
- 3. Corridors were created based on the location of severe crashes, which were given an aggregate crash score based on the frequency and severity of crashes, normalized by the length of the segment.
- 4. The corridors identified as high injury corridors are the roadway segments with the highest crash score per mile on the regional transportation network. The analysis was done separately for auto only crashes, bicycle/auto crashes, and pedestrian/auto crashes to identify the corridors where at least 50% of all severe crashes for each of the modes are occurring.
- 5. The combined high injury corridors identify 60% of all severe crashes.

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⁴ "Identifying High Injury Density Corridors and Areas for Targeted Safety Improvements to Reduce Severe and Fatal Pedestrian Injuries: A Methodology" 2013 http://www.sfhealthequity.org/images/Merged HIC Methods 2015.pdf
Portland High Crash Network: https://www.portlandoregon.gov/transportation/54892 and High Collision Intersections: https://www.portlandoregon.gov/transportation/article/549274

6. Intersections with the highest weighted crash scores are also identified. There are 42 intersections, or 1% of all 4,200 intersections in the region that have a weighted crash score greater than 128. There are 174 intersections in the top 5%, with weighted crash scores higher than 80.

The crashes/ corridors are not normalized by vehicle miles traveled (VMT) or by population. Normalizing by VMT and population is helpful to understand crash rates, and the Metro State of Safety Report provides crash rates at various levels of geography. The high injury corridors weighted crash scores are purposefully not normalized by VMT or population because the intent was to identify corridors and intersections with the highest concentrations of severe crashes, compared to the rest of the region, no matter the number of VMT or population. This intent is tied directly to achieving a zero deaths and severe injuries target.

Consistency with other high crash locations

In the Portland metropolitan area several jurisdictions have identified high crash networks or locations, including Portland, Washington County, Clackamas County, and Hillsboro. Additionally, ODOT and many jurisdictions use Safety Priority Index System (SPIS) and All Roads Transportation Safety (ARTS) program high crash locations. The regional high injury corridors do not contradict the locations identified by these agencies, but do provide:

- a regionally consistent methodology for the regional transportation network,
- focus on fatal and severe crashes,
- are specific to the urban region,
- and identify corridors as opposed to hot spots.⁵

Both ARTS and SPIS focus on specific locations, while the HICs identify corridors. HICs and ARTS focus on severe crashes. SPIS captures locations where there are also high frequency and rate of crashes, in addition to severe crashes; a roadway segment becomes a SPIS site if a location has three or more crashes or one or more fatal crashes over the three year period. The ARTS program identifies hotspot locations, defined as a location that has at least one fatal or serious injury crash within the last five years. SPIS sites and ARTS hotspots overlap with the high injury corridors and the regional high crash intersections identify high crash locations that are not necessarily on a high injury corridor.

High risk areas

Identifying areas that have high crash risk factors (posted speed, signalized intersections, unlit streets, number of liquor establishments, lack of medians, driveway density, etc.) but do not have high concentrations of severe crashes provides a useful for further prioritizing safety efforts. Metro is exploring availability of data, resources, possibility of developing high risk

REGIONAL HIGH INJURY CORRIDORS January 2017

⁵ The San Francisco analysis noted that "corridor-level and area-level analysis is necessary for efficient and effective injury prevention." http://www.sfhealthequity.org/images/Merged HIC Methods 2015.pdf

corridors, however most corridors with identified high risk factors will overlap with the high injury corridors. Part of the reason the 2012 RTSP recommended identifying high injury corridors, as opposed to high crash locations, is that a corridor approach highlights the roadways that have high risk factors. Metro reviewed the "Risk Based Pedestrian and Bicycle Project Corridors" identified in ODOT's Pedestrian and Bicycle Safety Implementation Plan (2014) and found that every risk based corridor in that plan overlapped with a regional HIC. ⁶

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⁶ https://www.oregon.gov/ODOT/HWY/TRAFFIC-ROADWAY/docs/pdf/13452 report final partsA+B.pdf

GIS ANALYSIS METHODOLOGY

Part 1:

- 1. Prepare streets and crashes for analysis
 - Streets:
 - o Combine RTP networks and save a copy of those within the study area
 - o Recalculate empty "STREETNAME" and "DIRECTION" fields as NULL
 - Create a dataset of only the freeways/highways dissolved by "STREETNAME" and "DIRECTION"
 - Create a dataset of streets other than freeways/highways dissolved by "STREETNAME", where the name is not NULL
 - Merge the freeways and non-freeways datasets
 - Break the streets at each intersection
 - Crashes:
 - Select crashes within the study area that occurred during or after a specified year
 - Save a copy of the selected crashes that intersect the RTP Network
- 2. Select and merge streets where crashes occurred
 - Create a layer of the crashes where the injury severity is Fatal/A or B/C for modes pedestrian or bicycle
 - Flag RTP cross-streets that intersect the crashes layer
 - Combine street segments with the same "STREETNAME", "DIRECTION", and crash flag (1/yes or 0/no)
 - Add adjacent street segments that are equal or less than ¼ mile
 - 3. Separate multi-part streets that are more than 75 feet apart
 - 4. Combine streets by name, direction, and buffer location to get crash corridors

Part 2:

1. Join crashes to corridors and calculate weighted sum by mode and normalized by street length

Corridors (percent severe injuries)	Miles	RTP Network (1,739 miles)	All Streets (6,565 miles)
Regional HIC (60%)	398	23%	6%
RHIC – auto (50%)	282	16%	4%
RHIC – bike (50%)	177	10%	3%
RHIC – ped. (50%)	133	8%	2%

>= 5280 feet

60% severe crashes

ALL HIGH INJURY CORRIDORS

All modes

	Cu	ilibilieu (Feu/Bi	ke/Auto) High Injury Corrido	per iville					
Corridor	From	То	Jurisdiction	# of Severe Crashes	Length	Severe Crashes per Mile	# Severe Ped	# Severe Bike	# Severe Auto
I-5 Southbound	I-405 at Fremont	Burnside Bridge	Portland	13	1.5	8.61	2	0	11
Adair	Baseline	Pacific	Cornelius & Forest Grove	13	1.5	8.48	1	1	11
Division	7 th	190 th	Gresham & Portland	80	9.6	8.29	22	4	54
I-5 Northbound	Marquam Bridge	I-405	Portland	18	2.5	7.13	2	0	16
181 st	Sandy	182 nd (Merging)	Gresham	14	2.1	6.62	2	1	11
Tualatin Valley Highway	Hocken	10 th	Washington Co. & Beaverton & Hillsboro	55	8.3	6.60	10	5	40
Broadway	SW 4 th	Naito	Portland	13	2.0	6.36	4	1	8
Ross Island	Grand	I-5	Portland	8	1.4	5.81	1	0	7
82 nd	Killingsworth	E. Berkeley	Clackamas Co. & Gladstone &	75	13.4	5.60	27	4	44
Foster	136 th	50 th & Powell	Portland						
102 nd	Sandy	Cherry Blossom (Merging)	Portland Maywood Park & Portland	26 15	4.7 2.9	5.57 5.19	8	0	15 11
Powell	Burnside	McLoughlin	Gresham & Portland	65	12.9	5.04	15	9	41
I-84 Westbound	82 nd	Martin Luther King Jr.	Portland		4.8	5.04	2		21
Rosa Parks	42 nd	Killingsworth		24				1	
96 th	99 th &	Division	Portland	8	1.6	4.98	0	0	8
I-5 Southbound	Hwy 217	Tualatin River	Portland	5	1.0	4.96	1	0	4
185 th	Springville	Farmington	Tigard	5	1.0	4.85	0	0	5
. a nd			Washington County & Hillsboro	29	6.0	4.82	2	2	25
162 nd	Powell	Sandy	Gresham & Portland	18	3.8	4.76	5	1	12
Martin Luther	Columbia	Division	Portland	27	5.8	4.66	6	4	17
Sunset Highway (Eastbound)	Hwy 217	Tunnel	Multnomah Co. Beaverton & Portland	9	1.9	4.63	0	0	9
Grand Avenue	Broadway	Powell	Portland	16	3.5	4.63	4	2	10
Highway 217 Southbound	Beaverton Hillsdale	Sunset-Baltic	Beaverton	8	1.8	4.57	0	0	8
Washington Street	Stark	Thornburn	Portland	9	2.0	4.56	1	0	8
Tualatin Valley Highway	341 st	17 th	Washington Co. Cornelius & Hillsboro	5	1.1	4.54	1	0	4
Halsey	I-84 at NE 67th	Sandy	Portland	7	1.6	4.48	1	0	6
McLoughlin	Jefferson	Oregon City Bridge	Clackamas Co, Gladstone, Milwaukie & Oregon City	30	6.8	4.41	13	1	16
Highway 8 /	Hocken	Sunset Hwy	Beaverton	17	3.9	4.41	3	1	13
I-205 Southbound	Washington State Line	Marine Dr	Portland	7	1.6	4.36	0	0	7

				# of		Severe	#	#	#
Corridor	From	То	Jurisdiction	Severe Crashes	Length	Crashes per Mile	Severe Ped	Severe Bike	Severe Auto
Weilder	24 th	Broadway	Portland	6	1.4	4.31	0	2	4
Highway 217 – Northbound	Pacific Highway	Scholls Ferry	Payverten & Tigard	7	1.6	4.29	0	0	7
I - 84	I-5	I-205	Beaverton & Tigard	/	1.0	4.29	0	0	,
Eastbound			Portland	21	4.9	4.28	1	0	20
Highway 8 / Baseline	TV Highway (near SW 17 th)	TV Highway (near SE 10 th)	Hillsboro	7	1.7	4.22	2	0	5
Beaverton Hillsdale	Capitol Highway	Lombard	Washington Co. Beaverton & Portland	22	5.3	4.13	4	0	18
112 th	Holgate	Market	Portland	6	1.5	3.98	1	0	5
Highway 217 - Northbound	Beaverton Hillsdale	Sunset Highway	Beaverton	7	1.8	3.96	0	0	7
I-5 Northbound	Nyberg	Kruse	Clackamas Co. Washington Co, Lake Oswego Tigard & Tualatin	11	2.8	3.96	0	0	11
Cedar Hills	Farmington	Cornell	Beaverton	13	3.3	3.92	2	0	11
257 th	I-84	Stark	Troutdale	8	2.1	3.90	1	2	5
Everett	Westover	Naito	Portland	7	1.8	3.85	2	2	3
47 th	Glisan	Wistaria	Portland	4	1.0	3.83	0	0	4
Sandy	7 th	165 th		36	9.6	3.76	9	0	27
Allen	Davis	92nd	Beaverton	11	2.9	3.75	0	1	10
Tualatin Sherwood	Pacific	Nyberg	Washington Co. Sherwood & Tualatin	17	4.5	3.75	0	0	17
I-5 Southbound	Bertha Blvd	Powell	Portland	10	2.7	3.73	1	0	9
Highway 212	122 nd / Highway 224	Clackamas Highway / 224	Clackamas County & Happy Valley	6	1.6	3.72	1	0	5
I-205									
Southbound	Division St	Washington	Portland	4	1.1	3.70	0	0	4
Brookwood	Shute	Sunset Highway	Hillsboro	4	1.1	3.68	0	0	4
I-205 Southbound	Killingsworth	Alderwood	Maywood Park & Portland	6	1.6	3.66	1	0	5
Highway 8 / Pacific	Baseline	E St. (Forest Grove)	Cornelius & Forest Grove	9	2.5	3.63	1	0	8
I-5 Southbound	Nyberg	Kruse	Tigard & Tualatin	5	1.4	3.62	0	0	5
Cesar E. Chavez	Wistaria	Woodstock	Portland	17	4.7	3.61	4	2	11
I-5 Southbound	Multnomah	Capitol Highway	Portland	6	1.7	3.59	1	0	5
I-205 Northbound	Airport Way	Washington State Line	Portland	6	1.7	3.59	0	0	6
I-5 Southbound	Wilsonville Rd	Miley	Clackamas County & Wilsonville	4	1.1	3.58	0	0	4
Kane	257 th & Stark	Orient &	Gresham & Troutdale	8	2.2	3.56	2	0	6
Burnside	75 th	124 th	Portland	9	2.6	3.49	4	0	5
122 nd	Skidmore	Foster	Portland	19	5.5	3.48	4	0	15
11 th	Sandy	Clinton	Portland	9	2.6	3.48	1	1	7
Barbur	65 th	Sheridan	Portland	22	6.3	3.47	3	2	17

	Co	mbined (Ped/Bil	ke/Auto) High Injury Corrido	rs –Sever	e Crashes	per Mile			
Corridor	From	То	Jurisdiction	# of Severe Crashes	Length	Severe Crashes per Mile	# Severe Ped	# Severe Bike	# Severe Auto
Farmington	170 th	Beaverton Hillsdale	Washington County & Beaverton	18	5.2	3.46	4	1	13
182 nd	Powell	181 st (Merging)	Gresham	6	1.7	3.45	2	0	4
Burnside	Barnes	68 th	Portland	35	10.2	3.42	14	1	20
1 st	Glencoe (Merging)	Wood	Hillsboro	5	1.5	3.38	1	0	4
6 th	Sheridan	Irving (Union Station)	Portland	6	1.8	3.29	2	0	4
Hawthorne	51 st	Martin Luther	Portland	10	3.1	3.28	2	2	6
Lovejoy	Cornell	Broadway	Portland	4	1.3	3.08	1	0	3
Murray	Barrows	Walker	Beaverton & Tigard	18	5.9	3.08	1	2	15
4 th	Sheridan	Burnside	Portland	4	1.3	3.06	2	0	2
Highway 224	82nd	Rusk Rd.	Clackamas County & Milwaukie	4	1.3	3.01	1	0	3
Highway 8 / Baseline	Tualatin Valley Highway	Pacific	Cornelius	7	2.3	3.01	1	0	6
Highway 8 / Baseline	Jenkins	Brookwood & Main	Washington Co, Beaverton & Hillsboro	14	4.6	3.01	1	0	13
Cornell	Main	Butler	Hillsboro	16	5.3	3.01	1	1	14
Evergreen	Glencoe	Cornell	Washington Co & Hillsboro	21	7.0	3.00	1	1	19
Millikan	Tualatin Valley Highway	Hocken	Beaverton	5	1.7	2.99	1	1	3
Skidmore	Interstate	Martin Luther King, Jr.	Portland	3	1.0	2.98	0	1	2
158 th	Cornell	Jenkins	Beaverton	5	1.7	2.92	1	1	3
Highway 212	Mckinley	122nd Ave / Hwy 224	Clackamas Co & Happy Valley	7	2.4	2.91	3	0	4
Johnson Creek	45 th	Highgate	Clackamas Co, Happy Valley, Milwaukie & Portland Airport	10	3.5	2.88	0	1	9
Capitol Highway	Lesser (Merging)	Taylors Ferry	Portland	4	1.4	2.87	1	0	3
Burnside	127 th	Powell	Gresham & Portland	26	9.1	2.85	3	2	21
Jennings	River	Webster	Clackamas Co & Gladstone	6	2.1	2.84	1	0	5
Pacific Highway	Main	Barbur	Washington Co, Portland, Sherwood, Tigard & Tualatin	31	10.9	2.84	5	2	24
Hogan	242 nd (Merging)	Butler	Gresham & Troutdale	11	3.9	2.83	1	2	8
Hogan Lombard	42 nd	Pier Park	Portland	23	8.5	2.70	8	1	14
50 th	Powell	Division	Portland	3	1.1	2.69		2	0
Gladstone	42 nd	52 nd	Portland	4	1.5	2.68	1	1	2
Garden Home	42 Multnomah	92 nd Place	Washington Co, Beaverton & Portland	3	1.5	2.66	0	0	3
Glisan	Cesar E Chavez	202 nd	Gresham & Portland	30	11.5	2.61	6	3	21
Glisan	Steel Bridge	24 th	Portland	5	1.9	2.60	2	0	3

		, ,	ke/Auto) High Injury Corrido				4	#	#
Corridor	From	То	Jurisdiction	# of Severe Crashes	Length	Severe Crashes per Mile	# Severe Ped	# Severe Bike	# Severe Auto
Lower Barnes Ferry	Pilkington	Upper Boones Ferry	Durham, Lake Oswego & Tualatin	3	1.2	2.51	0	0	3
Stark	76 th	Historic Columbia River	Multnomah Co, Gresham, Portland & Troutdale	30	12.0	2.50	7	2	21
28 th	Madison	Knott	Portland	5	2.0	2.48	3	0	2
Oak	Baseline & T.V.	10 th	Hillsboro	4	1.6	2.47	1	1	2
10 th	Cornelius Schefflin	Oleander	Cornelius	3	1.2	2.44	0	1	2
10 th	Northrup	Market	Portland	3	1.2	2.40	1	0	2
Broadway	Broadway Bridge	Sandy	Portland	6	2.5	2.39	2	1	3
Holgate	136 th	McLoughlin Blvd	Portland	24	10.0	2.39	4	2	18
Killingsworth	Greeley	Sandy	Portland	23	9.8	2.35	8	2	13
Minter Bridge	Noland	Tualatin Valley	Washington Co & Hillsboro	3	1.3	2.29	0	0	3
Main	Brookwood	Oak	Hillsboro	8	3.5	2.27	0	0	8
Multnomah	Garden Home	I-5	Portland	6	2.7	2.22	0	1	5
Belmont	69 th	Grand	Portland	10	4.8	2.07	2	2	6
+h		Jefferson &							
185 th	Thurman	Columbia Martin Luther	Portland	3	1.5	2.06	1	1	1
Alberta	33 rd	Wartin Edities	Portland	3	1.5	2.01	2	0	1
Molalla	Garden Meadow	7 th	Oregon City	4	2.0	1.97	0	0	4
Multnomah	Steel Bridge	21 st	Portland	4	2.2	1.82	2	1	1
223 rd	Halsey	Eastman (Merging)	Fairview & Gresham & Wood Village	3	1.7	1.81	0	0	3
11 th	Lovejoy	Market	Portland	2	1.1	1.77	1	0	1
5 th	Irving	Sheridan	Portland	3	1.8	1.64	1	0	2
Williams	Jessup	Wheeler	Portland	6	4.2	1.44	0	2	4
Sunnyside	82 nd	119 th	Clackamas Co & Happy Valley	3	2.1	1.40	0	0	3
Division	Troutdale	Eastwood	Multnomah Co & Gresham	6	4.4	1.35	3	0	3
Capitol Highway	Beaverton Hillsdale / Bertha	Barbur	Portland	3	2.3	1.31	1	0	2
Eastman	223 rd & Fairview	Towle (South Of Powell)	Gresham	2	1.7	1.17	0	0	2
26 th	Holgate	Division	Portland	1	1.0	1.00	0	0	1
30 th	Division	Stark	Portland	1	1.0	1.00	0	0	1
Jefferson	Vista	3 rd	Portland	1	1.0	0.99	0	0	1
Ankney	28 th	Martin Luther	Portland	1	1.2	0.84	0	1	0

Auto only

Auto High Injury Corridors –Severe Crashes per Mile							
Corridor	From	То	Jurisdiction	# of Crashes	Length	Severe Crashes per Mile	
I-5 Southbound	I-405 at Fremont Bridge	Burnside Bridge	Portland	11	1.5	7.28	
Adair	Baseline	Pacific	Cornelius & Forest Grove	11	1.5	7.18	
I-5 Northbound	Marquam Bridge	I-405	Portland	16	2.5	6.34	
Division	7 th	190 th	Gresham & Portland	54	9.6	5.60	
181 st	Sandy	182 nd	Gresham	11	2.1	5.20	
Ross Island Bridge	Grand	I-5	Portland	7	1.4	5.08	
Rosa Parks	Cully	Killingsworth	Portland	8	1.6	4.98	
I-5 - Southbound	Hwy 217	Tualatin River	Tigard	5	1.0	4.85	
Tualatin Valley Highway	Hocken	10 th	Washington County, Beaverton, & Hillsboro	40	8.3	4.80	
Sunset Highway (Eastbound)	Hwy 217	Tunnel	Multnomah County, Beaverton, & Portland	9	1.9	4.63	
Hwy 217 Southbound	Sunset Highway	Beaverton Hillsdale	Beaverton	8	1.8	4.57	
I-84 Westbound	Martin Luther King Jr.	82 nd	Portland	21	4.8	4.41	
I-205 Southbound	Washington State Line	Marine Dr	Portland	7	1.6	4.36	
Hwy 217 Northbound	Scholls Ferry	Pacific Highway	Beaverton & Tigard	7	1.6	4.29	
185 th	Springville	Farmington	Washington County & Hillsboro	25	6.0	4.16	
I-84 Eastbound	I-5	I-205	Portland	20	4.9	4.07	
Washington Street	Stark St.	Thorburn	Portland	8	2.0	4.05	
96 th	SE Washington St.	SE Division St.	Portland	4	1.0	3.97	
Hwy 217 Northbound	Beaverton Hillsdale	Sunset Highway	Beaverton	7	1.8	3.96	
I-5 Northbound	Kruse	Nyberg	Clack. Co, Wash. Co, L. Oswego, Tigard & Tualatin	11	2.8	3.96	
Broadway	SW 4 th	Naito	Portland	8	2.0	3.92	
Halsey	I-84 at NE 67 th	Sandy	Portland	6	1.6	3.84	
47 th	Glisan	Wistaria	Portland	4	1.0	3.83	
102 nd	Sandy	Cherry Blossom	Maywood Park & Portland	11	2.9	3.81	
Tualatin Sherwood	Pacific Highway	Nyberg	Washington County & Sherwood & Tualatin	17	4.5	3.75	
I-205 Southbound	Washington State Line	Division	Portland	4	1.1	3.70	
Brookwood	Shute	Sunset Highway	Hillsboro	4	1.1	3.68	
Tualatin Valley Highway	341 st	17 th	Washington County, Cornelius, & Hillsboro	4	1.1	3.63	
I-5 Southbound	Nyberg	Kruse	Tigard & Tualatin	5	1.4	3.62	
I-205 Northbound	Airport Way	Washington State Line	Portland	6	1.7	3.59	
I-5 Southbound	Wilsonville Road	Miley	Clackamas County & Wilsonville	4	1.1	3.58	
SE Bob Schumacher Road	Idleman & Otty	Stevens	Clackamas County & Happy Valley	4	1.1	3.49	

Auto High Injury Corridors –Severe Crashes per Mile							
Corridor	From	То	Jurisdiction	# of Crashes	Length	Severe Crashes per Mile	
I-5 Northbound	Bertha Blvd	Marquam Bridge	Portland	11	3.2	3.45	
Allen	Davis	92 nd	Beaverton	10	2.9	3.41	
Beaverton Hillsdale	Capitol Highway	Lombard	Washington County, Beaverton, & Portland	18	5.3	3.38	
Canyon	Hocken	Sunset Highwa	Beaverton	13	3.9	3.37	
I-5 Southbound	Bertha Blvd	Powell	Portland	9	2.7	3.36	
112 th	Holgate	Cherry Blossom	Portland	5	1.5	3.32	
Cedar Hills	Farmington	Cornell	Beaverton	11	3.3	3.32	
82 nd	Killingsworth	Causey	Clackamas County & Gladstone & Portland	44	13.4	3.29	
Pacific	Baseline	E St (Forest Grove)	Cornelius & Forest Grove	8	2.5	3.23	
Foster	136 th	50 th & Powell	Portland	15	4.7	3.21	
Powell	Burnside	McLoughlin	Gresham & Portland	41	12.9	3.18	
162 nd	Powell	Sandy	Gresham & Portland	12	3.8	3.17	
Hwy 212	Highway 224 (near 122 nd)	Highway 224 (near 152 nd)	Clackamas County & Happy Valley	5	1.6	3.10	
I-5 Northbound	Multnomah	99W	Portland	9	2.9	3.06	
I205 Southbound	Killingsworth	Alderwood	Maywood Park & Portland	5	1.6	3.05	
Baseline	TV Highway (near SW 17 th)	TV Highway (near SE 10 th)	Hillsboro	5	1.7	3.01	
I-5 Southbound	Multnomah	Capitol Highway	Portland	5	1.7	2.99	
I-205 Northbound	South of SE Sunnybrook Blvd.	Strawberry	Clackamas County	6	2.0	2.99	
Martin Luther King Jr.	Columbia	Division	Portland	17	5.8	2.93	
Grand	Broadway	Powell	Portland	10	3.5	2.89	
Weidler	24 th	Broadway	Portland	4	1.4	2.87	
Brockman	125 th & Greenway	Beard	Beaverton	3	1.1	2.82	
Sandy	7 th	165 th	Maywood Park & Portland	27	9.6	2.82	
I-5 Northbound	Rosa Parks	Columbia	Portland	3	1.1	2.81	
Baseline	Jenkins	Brookwood & Main	Washington County, Beaverton & Hillsboro	13	4.6	2.80	
Avery	Tualatin Sherwood	Boones Ferry	Tualatin	3	1.1	2.78	
I-5 Southbound	Rosa Parks	Columbia	Portland	3	1.1	2.77	
Butler	190 th & Pleasant View	Regner	Gresham	5	1.8	2.75	
122 nd	Skidmore	Foster	Portland	15	5.5	2.75	
Evergreen	Glencoe	Cornell	Washington County & Hillsboro	19	7.0	2.71	
11 th	Sandy	Clinton	Portland	7	2.6	2.70	
1 st	Glencoe	Wood	Hillsboro	4	1.5	2.70	
Barbur	65 th	Sheridan	Portland	17	6.3	2.68	
Bethany	West Union	Cornell	Washington County & Beaverton	3	1.1	2.68	
Kane	257 th & Stark	Orient & Palmquist	Gresham & Troutdale	6	2.2	2.67	

Auto High Injury Corridors –Severe Crashes per Mile							
Corridor	From	То	Jurisdiction	# of Crashes	Length	Severe Crashes per Mile	
Garden Home	Multnomah	92 nd Place	Washington County, Beaverton, &Portland	3	1.1	2.66	
Cornell	Main	Butler	Hillsboro	14	5.3	2.63	
Highway 47	David Hill	Martin	Washington County & Forest Grove	4	1.5	2.62	
Johnson Creek	42 nd	Highgate	Clackamas Co, Happy Valley, Milwaukie & PDX	9	3.5	2.59	
Baseline	Tualatin Valley Highway	Pacific	Cornelius	6	2.3	2.58	
I-5 Northbound	Wilsonville Road	Miley	Clackamas County & Wilsonville	3	1.2	2.58	
Brookwood	Shute	Tualatin Valley Highway	Hillsboro	10	3.9	2.57	
Murray	Barrows	Walker	Beaverton & Tigard	15	5.9	2.56	
Halsey	84 th	244 th	Fairview, Gresham, PDX, Troutdale & W.V.	24	9.5	2.54	
Lower Boones Ferry	Pilkington	Upper Boones Ferry	Lake Oswego & Tualatin	3	1.2	2.51	
Farmington	170 th	Beaverton Hillsdale	Washington County & Beaverton	13	5.2	2.50	
Orient	Kane & Palmquist	Welch	Gresham	3	1.2	2.49	
Barnes	Burnside	118 th	Washington County, Beaverton & Portland	8	3.2	2.48	
257 th	I-84	Kane & Stark	Troutdale	5	2.1	2.44	
Jennings	River	Webster	Clackamas County & Gladstone	5	2.1	2.37	
McLoughlin	Jefferson	Willamette Drive	Clack Co, Gladstone, Milwaukie & Oregon City	16	6.8	2.35	
Cesar E. Chavez	Wistaria	Woodstock	Portland	11	4.7	2.33	
Lovejoy	Cornell	Broadway	Portland	3	1.3	2.31	
Burnside	127 th	Powell	Gresham & Portland	21	9.1	2.30	
182 nd	Highland & Powell	181 st	Gresham	4	1.7	2.30	

Pedestrian/Auto

	Pedestrian High Injury Corridors – Severe Crashes per Mile								
Corridor	From	То	Jurisdiction	# of Severe	Length	Severe Crashes	# of Minor		
Division	7 th	190 th	Gresham &	22	9.6	2.28	61		
82 nd	Killingsworth	Causey	Clackamas Co.,	27	13.4	2.02	93		
Broadway	4 th	Naito	Portland	4	2.0	1.96	24		
McLoughlin	Jefferson	Oregon City Bridge	Clackamas Co., Gladstone, Milwaukie, &	13	6.8	1.91	32		
Foster	136 th	50 th Ave & Powell	Portland	8	4.7	1.71	18		
Burnside	75 th	124 th	Portland	4	2.6	1.55	7		
4 th	Sheridan	Burnside	Portland	2	1.3	1.53	20		
28 th	Madison	Knott	Portland	3	2.0	1.49	5		
102 nd	Sandy	Cherry Blossom	Maywood Park &	4	2.9	1.38	19		
Burnside	Barnes	NE 68 th	Portland	14	10.2	1.37	56		

Pedestrian High Injury Corridors – Severe Crashes per Mile								
Corridor	From	То	Jurisdiction	# of Severe	Length	Severe Crashes	# of Minor	
Alberta	33 rd	Martin Luther King	Portland	2	1.5	1.34	13	
162 nd	Powell	Sandy	Gresham &	5	3.8	1.32	11	
Highway 212	I-205	East of HWY 224	Clackamas County	3	2.4	1.25	9	
Baseline	TV Highway (near	TV Highway (near	Hillsboro	2	1.7	1.21	12	
Powell	Burnside	McLoughlin	Gresham &	15	12.9	1.16	75	
Grand	Broadway	Powell	Portland	4	3.5	1.16	12	
182 nd	Highland & Powell	181 st	Gresham	2	1.7	1.15	7	
Everett	Westover	Naito	Portland	2	1.8	1.10	13	
6 th	Sheridan	Irving & Stanton	Portland	2	1.8	1.10	10	
Martin Luther King	Columbia	Division	Portland	6	5.8	1.03	31	
96 th	99 th & Washington	Division & Powell	Portland	1	1.0	0.99	5	
181 st	Sandy	182 nd	Gresham	2	2.1	0.95	16	
Sandy	7 th	165 th	Maywood Park &	9	9.6	0.94	41	
Multnomah	Steel Bridge	21 st	Portland	2	2.2	0.91	14	
Kane	257 th & Stark	Orient & Palmquist	Gresham &	2	2.2	0.89	15	
11 th	Lovejoy	Market	Portland	1	1.1	0.89	7	
Cesar E. Chavez	Wistaria	Woodstock	Portland	4	4.7	0.85	27	
10 th	Northrup	Market	Portland	1	1.2	0.80	8	
Broadway	Broadway Bridge	Sandy	Portland	2	2.5	0.80	26	
Lovejoy	Cornell	Broadway	Portland	1	1.3	0.77	8	
122 nd	Skidmore	Foster	Portland	4	5.5	0.73	30	
1 st	Glencoe	Wood	Hillsboro	1	1.5	0.68	12	
Hawthorne	51 st	Martin Luther King	Portland	2	3.1	0.66	18	
5 th	Irving	Sheridan	Portland	1	1.8	0.55	14	
Jefferson	Vista	3 rd	Portland	0	1.0	0.00	8	

Bicycle/Auto

	Bike High Injury Corridors –Severe Crashes per Mile								
Corridor	From	То	Jurisdiction	# of Severe Crashes	Length	Severe Crashes per Mile	# of Minor Crashes		
SE 50 th	Powell	Division	Portland	2	1.1	1.79	5		
NE Weidler	24 th	Broadway	Portland	2	1.4	1.44	19		
Marine Drive	122 nd	Portland Airport	Portland	3	2.7	1.12	3		
NW Everett	Westover	Naito	Portland	2	1.8	1.10	13		
Skidmore	Interstate	Martin Luther King Jr.	Portland	1	1.0	0.99	11		
257 th	I-84	Kane & Stark	Troutdale	2	2.1	0.97	6		
SE 28 th	Woodstock	Gladstone	Portland	1	1.1	0.88	3		
SE Ankney	28 th	Martin Luther King Jr.	Portland	1	1.2	0.84	14		

Bike High Injury Corridors –Severe Crashes per Mile # of Severe # of								
Corridor	From	То	Jurisdiction	# of Severe Crashes	Length	Crashes per Mile	# of Minor Crashes	
10 th	Cornelius Schefflin	Oleander	Cornelius	1	1.2	0.81	3	
Powell	Burnside	McLoughlin	Gresham & Portland	9	12.9	0.70	45	
Martin Luther King Jr.	Columbia	Division	Portland	4	5.8	0.69	38	
18 th	Thurman	Collins & Jefferson	Portland	1	1.5	0.69	7	
Ainsworth	Vancouver	27 th	Portland	1	1.5	0.67	5	
Gladstone	42 nd	52 nd	Portland	1	1.5	0.67	7	
Hawthorne	51 st	Martin Luther King Jr.	Portland	2	3.1	0.66	46	
Adair	Baseline	Pacific	Cornelius & Forest Grove	1	1.5	0.65	6	
Foster	136 th	50 th & Powell	Portland	3	4.7	0.64	25	
Oak	Baseline & T.V. Highway	10 th	Hillsboro	1	1.6	0.62	4	
Tualatin Valley Highway	Hocken	10 th	Washington Co., Beaverton & Hillsboro	5	8.3	0.60	26	
Grand	Broadway	Powell	Portland	2	3.5	0.58	34	
Broadway	SW 4 th	Naito	Portland	1	2.0	0.49	37	
Clinton	50 th	12 th	Portland	1	2.1	0.48	7	
Williams	Jessup	Wheeler	Portland	2	4.2	0.48	25	
Vancouver	Weilder	Martin Luther King Jr.	Portland	3	6.3	0.47	30	
181 st	Sandy	182 nd	Gresham	1	2.1	0.47	19	
Multnomah	Steel Bridge	21 st	Portland	1	2.2	0.45	16	
Cesar E. Chavez	Wistaria	Woodstock	Portland	2	4.7	0.42	19	
Division	7 th	190 th	Gresham & Portland	4	9.6	0.41	52	
Belmont	69 th	Grand	Portland	2	4.8	0.41	15	
Broadway	Broadway Bridge	Sandy	Portland	1	2.5	0.40	54	
11 th	Sandy	Clinton	Portland	1	2.6	0.39	19	
Multnomah	Garden Home	I-5	Portland	1	2.7	0.37	10	
185 th	Springville	Farmington	Washington Co. & Hillsboro	2	6.0	0.33	21	
Barbur Drive	65 th	Sheridan	Portland	2	6.3	0.32	26	
82 nd	Killingsworth	Berkeley St.	Clackamas Co., Gladstone & Portland	4	13.4	0.30	61	
Naito	Ross Island Bridge	15 th & Front	Portland	1	4.0	0.25	19	
26 th	Holgate	Division	Portland	0	1.0	0.00	11	
4 th	Sheridan	Burnside	Portland	0	1.3	0.00	14	
Capitol Highway	Beaverton Hillsdale & Bertha	Barbur Blvd	Portland	0	2.3	0.00	24	
30 th	Division	Stark	Portland	0	1.0	0.00	9	
28 th	Madison	Knott	Portland	0	2.0	0.00	16	
Eastman	223 rd & Fairview	Towle	Gresham	0	1.7	0.00	13	
6 th	Sheridan	Irving & Stanton	Portland	0	1.8	0.00	10	
122 nd	Skidmore	Foster	Portland	0	5.5	0.00	32	

Bike High Injury Corridors –Severe Crashes per Mile							
Corridor	From	То	Jurisdiction	# of Severe Crashes	Length	Severe Crashes per Mile	# of Minor Crashes
96th	99 th & Washington	Division & Powell	Portland	0	1.0	0.00	6
Kane	257 th & Stark	Orient & Palmquist	Gresham & Troutdale	0	2.2	0.00	12
25 th	Evergreen	Veterans	Washington County & Hillsboro	0	1.8	0.00	9
Burnside	75 th	124 th	Portland	0	2.6	0.00	13
14 th	Northrup	Jefferson	Portland	0	1.0	0.00	5
Cornell	Main	Butler	Hillsboro	0	5.3	0.00	22
223 rd	Halsey	Eastman & Fairview	Fairview, Gresham & Wood Village	0	1.7	0.00	8
Morrison	25 th	Grand	Portland	0	2.0	0.00	9
Division	Troutdale	Eastwood	Multnomah County & Gresham	0	4.4	0.00	19
1 st	Salmon	Grover	Portland	0	1.2	0.00	5
Greenburg	Hall	North Dakota	Beaverton & Tigard	0	1.1	0.00	5
Sagert	Boones Ferry	65 th	Tualatin	0	1.2	0.00	5

Clean air and clean water do not stop at city limits or county lines. Neither does the need for jobs, a thriving economy and sustainable transportation and living choices for people and businesses in the region. Voters have asked Metro to help with the challenges and opportunities that affect the 25 cities and three counties in the Portland metropolitan area.

A regional approach simply makes sense when it comes to providing services, operating venues and making decisions about how the region grows. Metro works with communities to support a resilient economy, keep nature close by and respond to a changing climate. Together we're making a great place, now and for generations to come.

Metro Council President

Tom Hughes

Metro Council

Shirley Craddick, District 1 Carlotta Collette, District 2 Craig Dirksen, District 3 Kathryn Harrington, District 4 Sam Chase, District 5 Bob Stacey, District 6

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