

“Hardening” Portland’s protected lanes



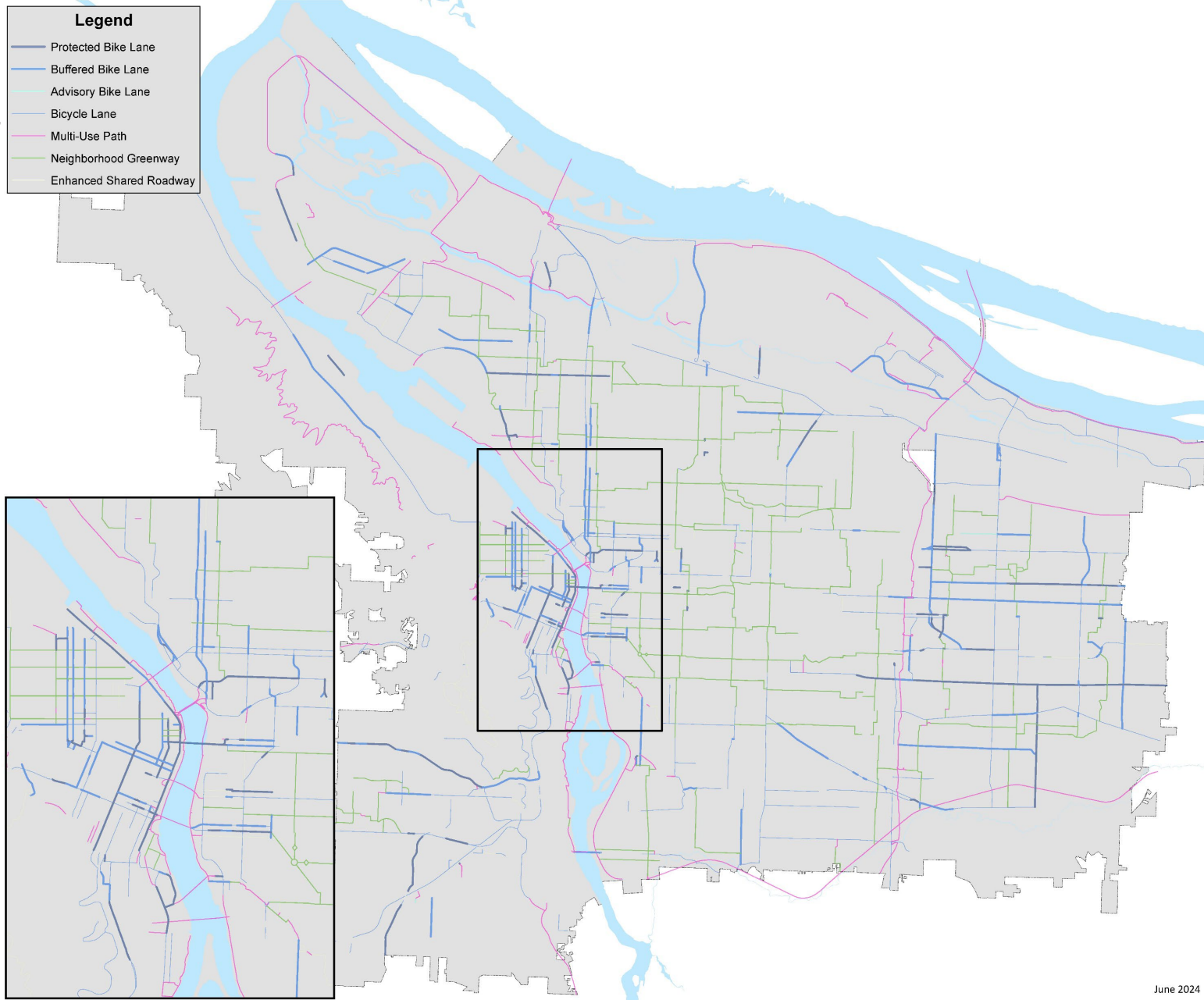
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PBOT
PORTLAND BUREAU OF TRANSPORTATION

August 2024 Bicycle Advisory Committee

- Legend**
- Protected Bike Lane
 - Buffered Bike Lane
 - Advisory Bike Lane
 - Bicycle Lane
 - Multi-Use Path
 - Neighborhood Greenway
 - Enhanced Shared Roadway



June 2024

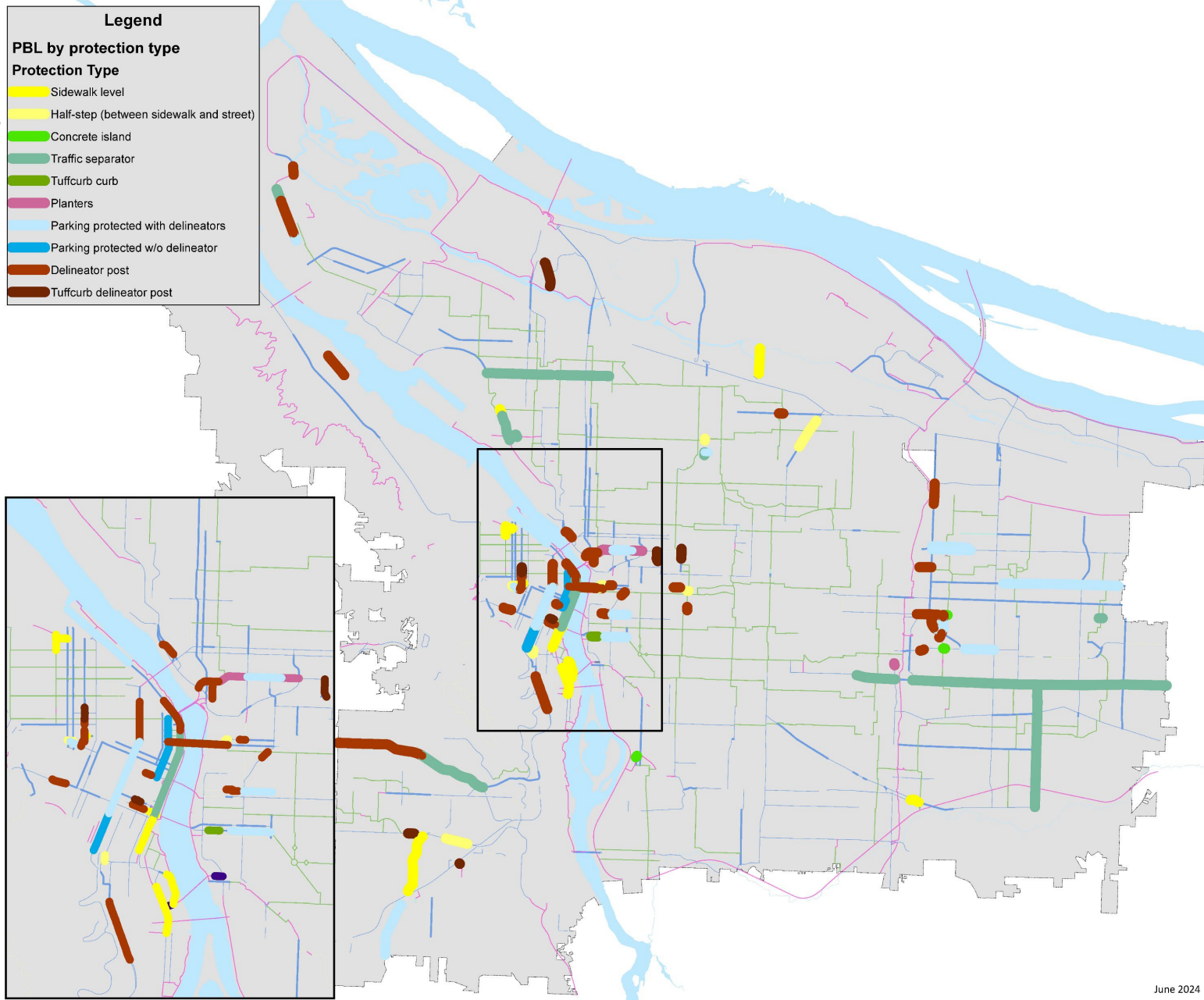


Legend

PBL by protection type

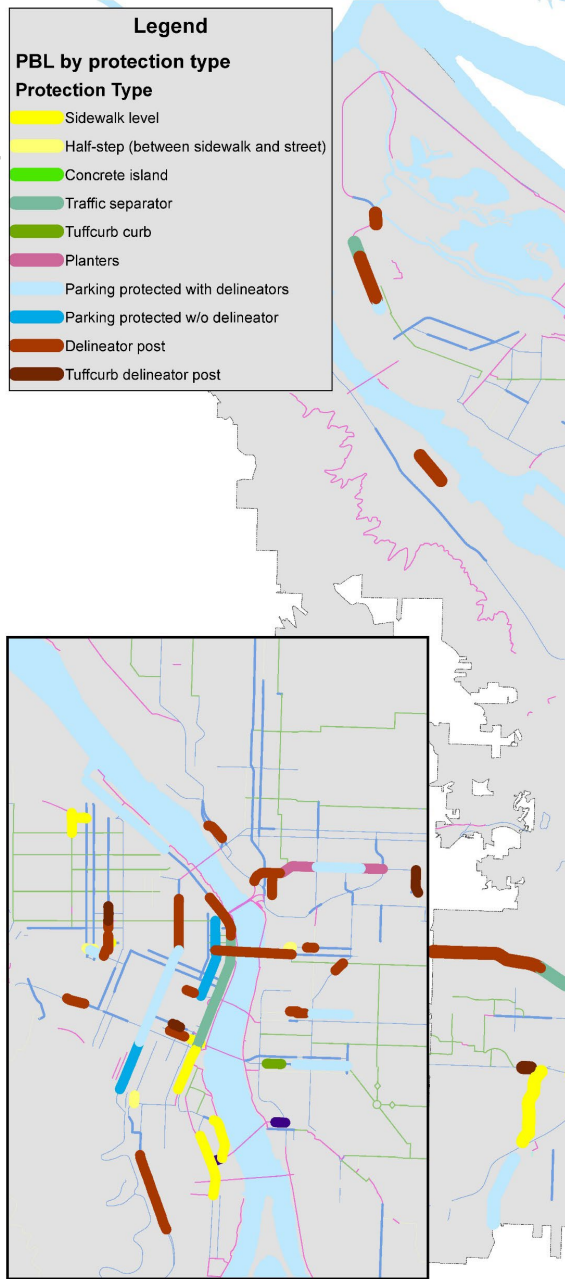
Protection Type

- Sidewalk level
- Half-step (between sidewalk and street)
- Concrete island
- Traffic separator
- Tuffcurb curb
- Planters
- Parking protected with delineators
- Parking protected w/o delineator
- Delineator post
- Tuffcurb delineator post



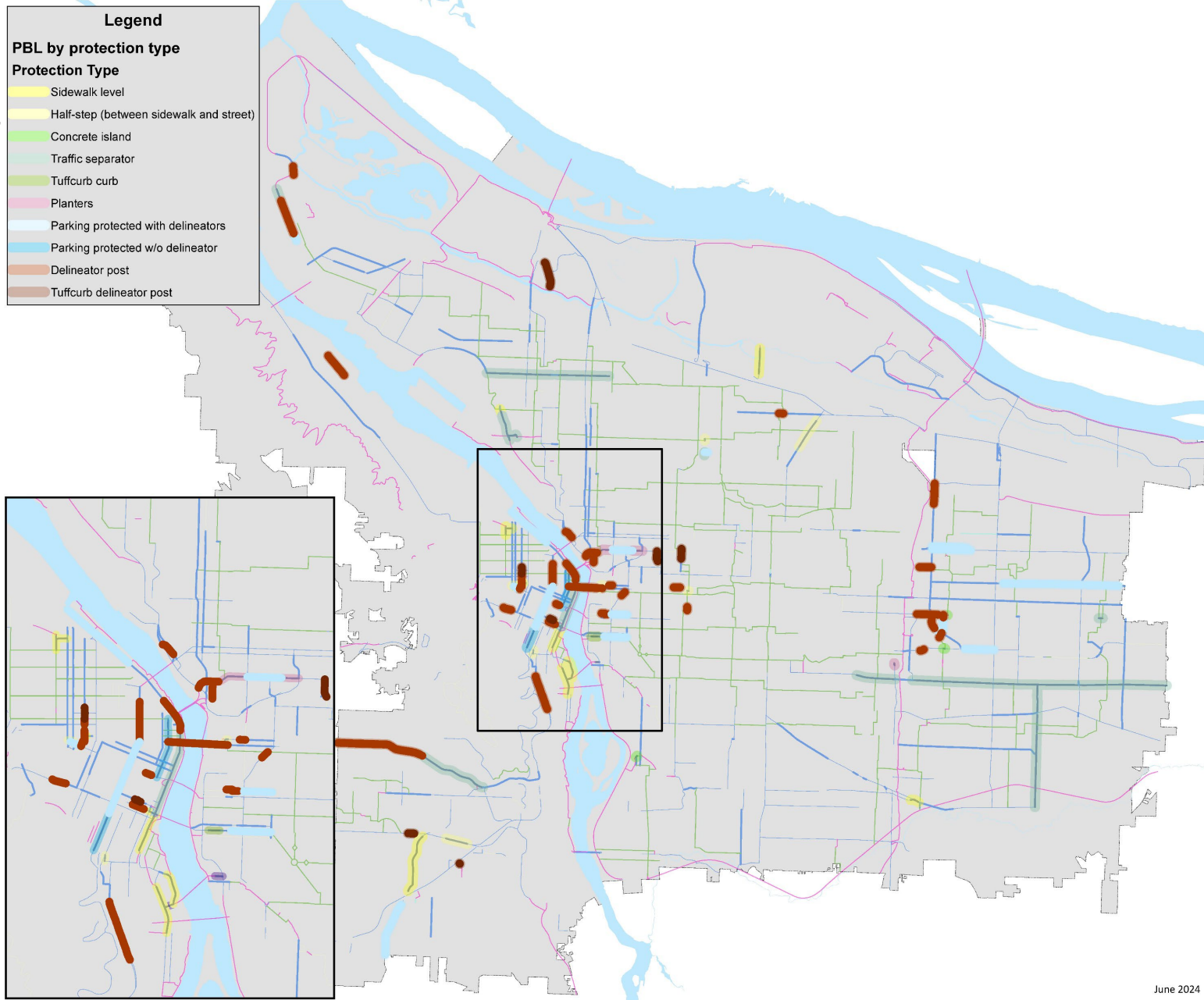
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Protected Lane Type	Center line miles	Lane miles*
Sidewalk level	2.8	4.3
Half-step to sidewalk	1.1	1.9
Concrete island	0.1	0.1
Traffic Separator	10.9	20.1
Tuffcurb solid curb	0.1	0.1
Planters	0.4	0.9
Parking protected (w/ delineators)	7.1	10.7
Parking protected (w/o delineators)	0.9	0.9
Delineator posts	6.7	10.3
Tuffcurb delineator posts	0.7	1.1
Other**	0.1	0.3
Totals	31.0	50.7

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Legend

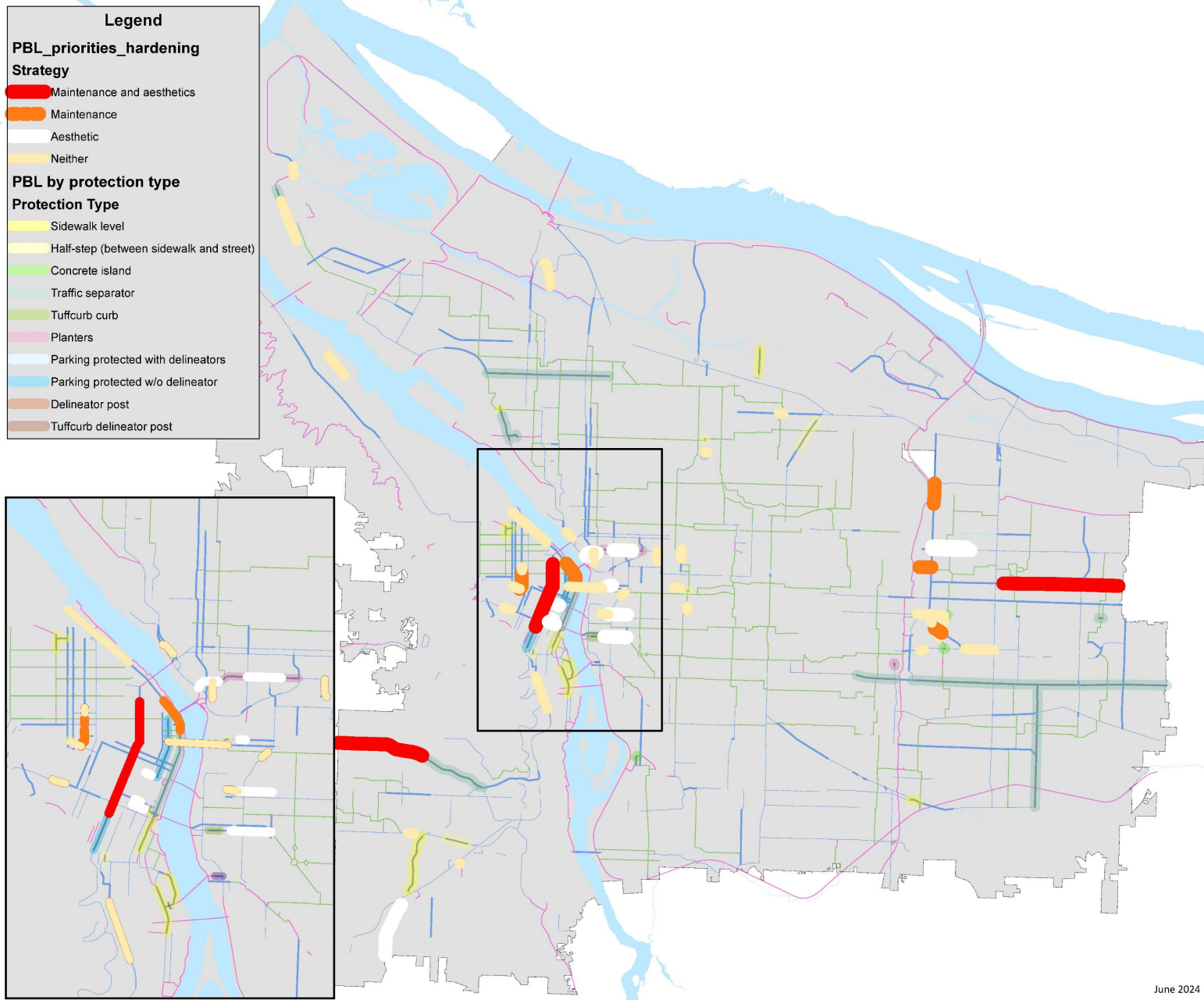
PBL_priorities_hardening

- █ Maintenance and aesthetics
- █ Maintenance
- █ Aesthetic
- █ Neither

PBL by protection type

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Legend

PBL_hardening_implementation

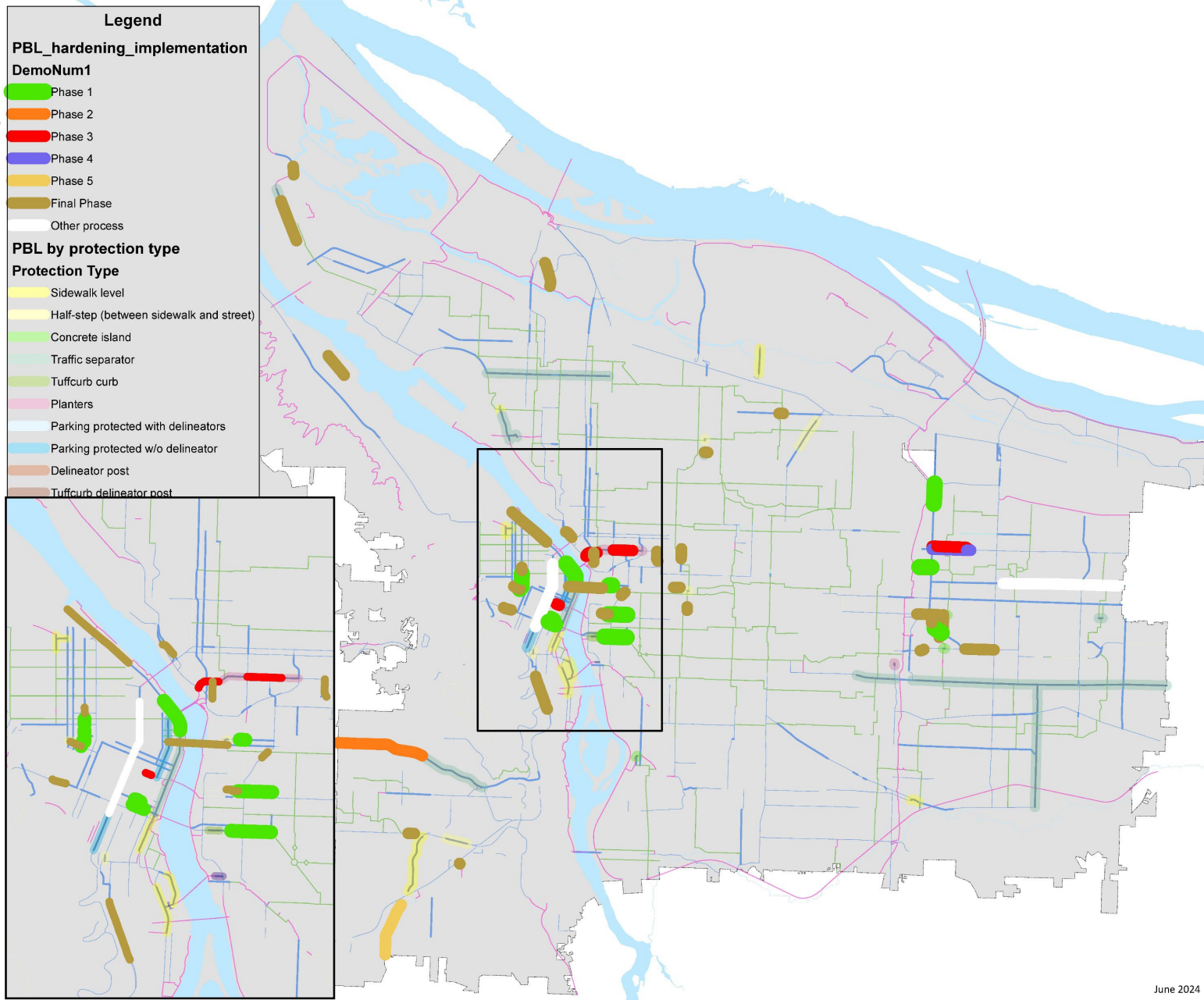
DemoNum1

- Phase 1
- Phase 2
- Phase 3
- Phase 4
- Phase 5
- Final Phase
- Other process

PBL by protection type

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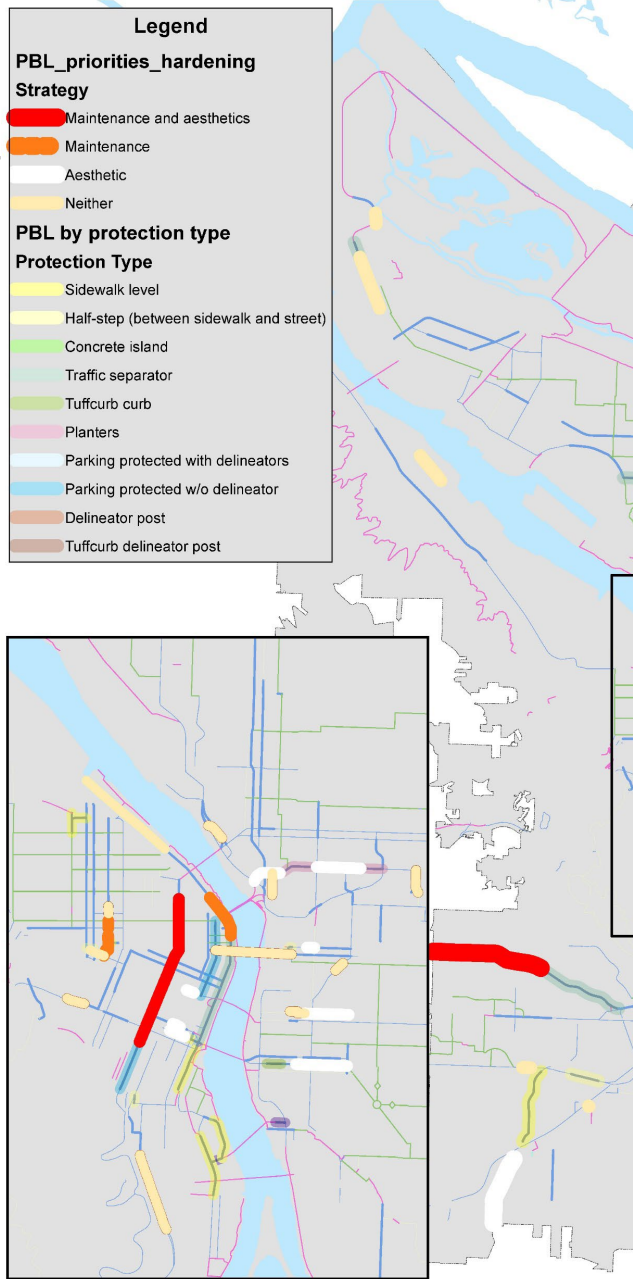


Figure 5. Segments by prioritization

Protection Type	Location	Priority	Maintenance Issue	Aesthetic Issue	Total linear feet	Cost Range	
						Low	High
DP	NE 102nd (Morris to Fremont)	1	Y		550	\$17,000	\$30,000
DP	NE Couch (NE 7th to NE 6th)	1		Y	260	\$17,000	\$29,000
DP	NE Pacific (99th to 102nd)	1	Y		980	\$30,000	\$53,000
DP	NW Naito (NW Davis to NW Hoyt)	1	Y		3300	\$101,000	\$177,000
DP	NW/SW 16th (Flander to Everett; Davis to Burnside; Burnside to SW Alder))	1	Y		1005	\$31,000	\$54,000
PP	SE Cherry Blossom (103rd to 106th)	1	Y		690	\$44,000	\$77,000
PP	SE Hawthorne (Grand to 12th)	1		Y	1820	\$56,000	\$98,000
PP	SE Morrison (12th to 6th)	1		Y	1560	\$60,000	\$96,000
DP	SW Madison (SW 2nd to SW 4th)	1		Y	560	\$17,000	\$30,000
TDP	SW Main St (SW 3rd to SW 4th)	1		Y	290	\$18,000	\$32,000
Subtotal Priority 1:					11,015	\$391,000	\$676,000

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