BELLEVUE PEDESTRIAN & BICYCLE IMPLEMENTATION INITIATIVE

2016–2019
RAPID IMPLEMENTATION PROGRAM
candidate projects and conceptual layouts

DRAFT
January 2016
**2016–2018 RAPID IMPLEMENTATION PROGRAM**

**2019 CROSS-CITY BICYCLE CORRIDORS IMPLEMENTATION INITIATIVE**

- **Main Nearby Destinations:**
  - Newcastle Beach Park, Mercer Slough Nature Park and Environmental Education Center, Downtown Bellevue, South Kirkland Park-and-Ride

- **Bicycle Network Connections:**
  - Lake Washington Blvd SE (PBC), I-90 Trail (PBC), SE 8th St (PBC), NE 12th St (PBC), Northup Way, Eastside Rail Corridor (PBC)

- **Population & Employment (½-mile buffer):**
  - 19,552 residents and 55,752 jobs

- **2009 Plan Projects:**
  - B-101 (High), B-104 (High), and B-127 (High)

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**Priority Bicycle Corridor NS-2: Lake Washington Loop Trail**

- **Bicycle Classification:** Priority Bicycle Corridor
- **Street Classifications:** Local–Major Arterial

**Traffic Volumes (AAWT):**
- 5,800 (SE 8th St to Main St)
- 8,900–10,000 (NE 12th St to SR-520)
- 12,500 (north of SR-520)

**Posted Speed Limits:**
- 25–35 MPH

**Existing Bicycle Facilities:**
- Offstreet Path (Lake Washington Blvd SE to Coal Creek Pkwy)
- Conventional Bike Lanes (118th Ave SE, 114th Ave SE, Sharrows (114th Ave NE), Conventional Bike Lanes (108th Ave NE at SR-520)

**Major Nearby Destinations:**
- Newcastle Beach Park, Mercer Slough Nature Park and Environmental Education Center, Downtown Bellevue, South Kirkland Park-and-Ride

**2009 Plan Projects:**
- B-101 (High), B-104 (High), and B-127 (High)
**CANDIDATE PROJECT PBC-2a: LAKE WASHINGTON BLVD SE, 114TH AVE NE**

**Bicycle Classification:** Priority Bicycle Corridor

**Street Classifications:**
- Local: Lake Washington Blvd SE
- Minor Arterial: 114th Ave

**Traffic Volumes (AAWT):** 5,800 (north of SE 6th St)

**Posted Speed Limits:**
- 25 MPH (106th Ave SE, 114th Ave SE)
- 30 MPH (Lake Washington Blvd SE, 114th Ave NE)

**Existing Bicycle Facilities:**
- Conventional Bike Lanes (SE 8th St to Main St); Sharrows (Main St to NE 6th St)

**Typical Street Sections:**

1. **Lk. Wash. Loop Trail to Lk. Wash. Blvd SE**
   - **EXISTING CONDITIONS**
   - **RAPID IMPLEMENTATION CONCEPT**

2. **106th Ave SE to Lk. Wash. Blvd SE**
   - **EXISTING CONDITIONS**
   - **RAPID IMPLEMENTATION CONCEPT**

3. **SE 8th St to Main St**
   - **EXISTING CONDITIONS**
   - **RAPID IMPLEMENTATION CONCEPT**

4. **Main St to NE 6th St**
   - **EXISTING CONDITIONS**
   - **RAPID IMPLEMENTATION CONCEPT**

**Major Nearby Destinations:**
- Newcastle Beach Park, Mercer Slough Nature Park and Environmental Education Center, Downtown Bellevue

**Bicycle Network Connections:**
- Lake Washington Blvd SE (PBC), I-90 Trail (PBC), SE 8th St (PBC)

**Population (½-mile buffer):**
- Data forthcoming

**Employment (½-mile buffer):**
- Data forthcoming

**2009 Plan Projects:** B-127 (High)
Issues:
- Requires 10-foot Travel Lanes: 114th Ave SE from SE 8th St to Main St

Opportunities:
- Neighborhood Greenway (## miles): Lake Washington Blvd SE from Lake Washington Loop Trail (north of south city limits) to Lake Washington Loop Trail (connects to Coal Creek Pkwy SE)
- Separated Bike Lanes (## miles): 114th Ave SE from SE 8th St to Main St
- Green-Backed Sharrows (## miles): 114th Ave SE from Main St to NE 6th St
- Access to Transit: Bicycle connection to Bellevue Transit Center
- Access to Parks: Bicycle connection to Newcastle Beach Park

Cost Estimates:
- Capital: Forthcoming
- O&M: Forthcoming

Conceptual Layouts:
- 106th Ave SE from Lake Washington Loop Trail to Pleasure Point Lane SE
- 106th Ave SE from Pleasure Point Lane SE to Lake Washington Blvd SE
- Lake Washington Blvd SE from 106th Ave SE to north of SE 50th Pl
- 114th Ave SE from SE 8th St to Hilton Bellevue
- 114th Ave SE from Hilton Bellevue to north of Main St

Note: All dimensions are approximate pending field verification.
**CANDIDATE PROJECT PBC-2b:**

**112TH AVE NE, 108TH AVE NE**

**Bicycle Classification:** Priority Bicycle Corridor  
**Street Classifications:** Minor/Major Arterial  
**Traffic Volumes (AAVT):**  
8,900 (south of NE 24th St); 10,000 (south of SR-520); 12,500 (north of SR-520)  
**Posted Speed Limits:** 30–35 MPH  
**Existing Bicycle Facilities:**  
Bike Lanes (both sides), Corp. Campus East to Northup Way; Bike Lane (one side), Northup Way to NE 38th Pl  
**Major Nearby Destinations:**  
Downtown Bellevue, Bellevue Montessori School, South Kirkland Park-and-Ride  
**Bicycle Network Connections:**  
NE 12th St (PBC), Northup Way, Eastside Rail Corridor (PBC)  
**Population (½-mile buffer):** Data forthcoming  
**Employment (½-mile buffer):** Data forthcoming  
**2009 Plan Projects:** B-101 (High), B-104 (High)

**Typical Street Sections:**

**1. NE 12th St to NE 24th St**

**2. NE 24th St to SR-520 EB on-ramp**

**3. NE 38th Pl to Eastside Rail Corridor**
Conceptual Layouts:

- 112th Ave NE from NE 12th St to Hidden Valley Sports Park
- 112th Ave NE from Hidden Valley Sports Park to south of NE 24th St
- 112th Ave NE from south of NE 24th St to 110th Ave NE
- 112th Ave NE from 110th Ave NE to SR-520 EB on-ramp
- 108th Ave NE from NE 37th St to Eastside Rail Corridor

Issues:
- Requires 10-foot Travel Lanes: 112th Ave NE from NE 12th St to SR-520 EB on-ramp

Opportunities:
- Separated Bike Lanes (## miles): 112th Ave NE from NE 12th St to Corp. Campus East
- On-Street Pedestrian Path (## miles): New pedestrian facilities from NE 24th St to 110th Ave NE trail
- Green-Backed Sharrows (## miles): 108th Ave NE from NE 37th St to Eastside Rail Corridor
- Access to Transit: Bike connection to South Kirkland P&R
- Safe Routes to School: Bicycle connection to Bellevue Montessori School

Cost Estimates:
- Capital: Forthcoming
- O&M: Forthcoming

Note: All dimensions are approximate pending field verification.
CANDIDATE PROJECT BN-24: NE 1ST ST, NE 2ND ST

**Bicycle Classification:** Bicycle Network  
**Street Classifications:** Collector Arterial/Minor Arterial  
**Traffic Volumes (AAVT):**  
- 5,200 (east of 102nd Ave NE)  
- 8,100 (east of Bellevue Way NE)  
- 7,300 (east of 108th Ave NE)  
**Posted Speed Limits:**  
- 25 MPH (west of Bellevue Way NE)  
- 30 MPH (east of Bellevue Way NE)  
**Existing Bicycle Facilities:**  
- Wide Lane/Shared Shoulder: 100th Ave NE to 102nd Ave NE  
- 100th Ave NE, 106th Ave NE, 108th Ave NE (PBC), 114th Ave NE (PBC)  
- 114th Ave NE (PBC)  
- 106th Ave NE, 108th Ave NE to 112th Ave NE  
- 102nd Ave NE to 106th Ave NE  
- Downtown Park  
- 14,868 residents  
- Major Nearby Destinations:  
- Employment (½-mile buffer):  
- 47,941 jobs  
- Population (½-mile buffer):  
- 2009 Plan Projects: B-401 (Medium)  
- **Typical Street Sections:**
  1. **100th Ave NE to Bellevue Way NE**  
  2. **106th Ave NE to 112th Ave NE**  
  3. **112th Ave NE to 114th Ave NE**
Issues:
- Parking Removal Required (est. ## spaces): NE 2nd St from 105th Ave NE to 112th Ave NE

Opportunities:
- Green-Backed Sharrows (## miles): NE 1st St from 100th Ave NE to 105th Ave NE
- Conventional Bike Lanes (## miles): NE 2nd St from 105th Ave NE to 112th Ave NE
- Green-Backed Sharrows (## miles): NE 2nd St from 112th Ave NE to 114th Ave NE
- Access to Parks: Bicycle connection to Downtown Park

Cost Estimates:
- Capital: Forthcoming
- O&M: Forthcoming

Conceptual Layouts:

Note: All dimensions are approximate pending field verification
## CANDIDATE PROJECT BN-2:

### 106TH AVE NE

**Bicycle Classification:** Bicycle Network  
**Street Classifications:** Minor Arterial  
**Traffic Volumes (AAWT):**  
- 5,700 (south of NE 4th St)  
- 8,900 (south of NE 8th St)  
- 5,700 (south of NE 12th St)  
**Posted Speed Limits:** 30 MPH  
**Existing Bicycle Facilities:**  
- Wide Lane/Shared Shoulder: Main St to NE 4th St

**Major Nearby Destinations:**  
Downtown Pedestrian Corridor, Robert E. McCormick Park  

**Bicycle Network Connections:**  
- 100th Ave NE, 106th Ave NE, 108th Ave NE (PBC),  
- 114th Ave NE (PBC)

**Population (½-mile buffer):** 19,300 residents  
**Employment (½-mile buffer):** 45,396 jobs  

**2009 Plan Projects:** None

### Typical Street Sections:

1. **Main St to NE 4th St**
   - **Existing Conditions**:
     - General Purpose Lane
     - Parking Lane
     - Shoulder
   - **Rapid Implementation Concept**:
     - General Purpose Lane
     - Parking Lane
     - Shoulder
     - Bicycle Network (Protected Shoulder)

2. **NE 4th St to NE 8th St**
   - **Existing Conditions**:
     - General Purpose Lane
     - Parking Lane
     - Shoulder
   - **Rapid Implementation Concept**:
     - General Purpose Lane
     - Parking Lane
     - Shoulder
     - Bicycle Network (Protected Shoulder)

3. **NE 10th St to NE 12th St**
   - **Existing Conditions**:
     - General Purpose Lane
     - Parking Lane
     - Shoulder
   - **Rapid Implementation Concept**:
     - General Purpose Lane
     - Parking Lane
     - Shoulder
     - Bicycle Network (Protected Shoulder)
Issues:
- **Requires 10-foot Travel Lanes:** 106th Ave NE from Main St to NE 12th St
- **Parking Removal Required (est. ## spaces):** 106th Ave NE from Main St to NE 1st St
- **Parking Removal Required (est. ## spaces):** 106th Ave NE from NE 10th St to NE 12th St (one side only)
- **Lane Reconfiguration:** 4 GP lanes reconfigured to 2 GP + two-way left turn lane, NE 10th St to NE 12th St
- **Lane Reconfiguration:** Right-turn lanes consolidated into thru lanes at NE 4th (SB) and NE 8th St (NB)

Opportunities:
- **Separated Bike Lanes (## miles):** 106th Ave NE from Main St to NE 10th St
- **Conventional Bike Lanes (## miles):** 106th Ave NE from NE 10th St to NE 12th St
- **Access to Transit:** Bicycle connections to Route 550 on NE 4th St and Route 271 on NE 8th St
- **Access to Parks:** Bicycle connection to Robert E. McCormick Park

Cost Estimates:
- **Capital:** Forthcoming | **O&M:** Forthcoming

Conceptual Layouts:

106th Ave NE from Main St to north of NE 4th St

106th Ave NE from north of NE 4th St to NE 10th St

106th Ave NE from NE 10th St to NE 12th St

Note: All dimensions are approximate pending field verification
**Priorité cyclable en cordeur EW-5: raccordement colline de la rivière de charbon - raccordement colline de l’ours**

**Classification cyclable:** Priorité cyclable en cordeur

**Catégories de circulation:** Local–Major Arterial

**Volumes de trafic (AAWT):**
- 4,900–9,900 est de la rivière de charbon Pkwy
- 3,100–27,900 de la rivière de charbon Pkwy à l’est des limites de la ville

**Vitesses imposées:**
- 25–30 MPH sur les voies majeures–mineures
- 40 MPH sur les voies majeures

**Installations cyclables existantes:**
- Lignes de vélo conventionnelles le long des portions de la rivière de charbon Blvd SE, SE 60th St, SE Coal Creek Pkwy, Forest Dr SE, Lakemont Blvd SE

**Villes d’accessibilité principale:**
- Park-and-Ride Newport Hills
- Forez Drive à la rivière de charbon Parkway

**Villes d’accessibilité principales:**
- Newport Hills Park-and-Ride, Olde Middle School, Ringdall Jr High School, Lewis Creek Park, Lakemont Community Park

**Raccordements du réseau cyclable:**
- I-90 Trail (PBC), Factoria Trail, Richards Rd, 139th Ave SE, 156th Ave SE, 161st Ave SE (PBC)

**Population et embauche** (½-mile buffer):
- 18,955 résidents et 1,034 emplois

**Projets 2009:**
- B-153 (Med), B-157 (Med), B-158 (Med), B-218 (High), et O-139 (Med)
CANDIDATE PROJECT PBC-8a:
LAKE WASHINGTON BLVD SE, SE 60TH ST

Bicycle Classification: Priority Bicycle Corridor
Street Classifications: Local–Minor Arterial
Traffic Volumes (AADT):
9,900 (Lake Washington Blvd SE); 4,900–5,300 (SE 60th St)
Posted Speed Limits:
30 MPH (Newport Hills Park-and-Ride to 120th Ave SE)
25 MPH (west of P&R and east of 120th Ave SE)
Existing Bicycle Facilities:
Conventional Bike Lanes: Newport Hills Park-and-Ride to 120th Ave SE; Bike Shoulder(s) east of 123rd Ave SE

Typical Street Sections:

1. Newport Hills Park-and-Ride to SE 60th St
   - **EXISTING CONDITIONS**
   - **RAPID IMPLEMENTATION CONCEPT**

2. 116th Ave SE to 120th Ave SE
   - **EXISTING CONDITIONS**
   - **RAPID IMPLEMENTATION CONCEPT**

3. 120th Ave SE to 119th Ave SE
   - **EXISTING CONDITIONS**
   - **RAPID IMPLEMENTATION CONCEPT**

4. 119th Ave SE 123rd Ave SE
   - **EXISTING CONDITIONS**
   - **RAPID IMPLEMENTATION CONCEPT**

Major Nearby Destinations:
Newport Hills Park-and-Ride, Olde Middle School, Ringdall Jr. High School, Newport Hills Park

Bicycle Network Connections:
Lake Washington Loop (PBC), 116th Ave SE, 119th Ave SE

Population (½-mile network buffer):
Data forthcoming

Employment (½-mile buffer):
Data forthcoming

2009 Plan Projects: B-153 (Med), B-157 (Med)
Issues:
- Requires 10-foot Travel Lanes: Lake Washington Blvd SE and SE 60th St from 106th Ave SE to 126th Ave SE
- Parking Removal Required (est. ## spaces): SE 60th St from 119th Ave SE to 126th Ave SE

Opportunities:
- Separated Bike Lanes (## miles): Lake Washington Blvd SE and SE 60th St from 106th Ave SE to 120th Ave SE
- Conventional Bike Lanes (## miles): SE 60th St from 120th Ave SE to 119th Ave SE
- Separated Bike Lanes (## miles): SE 60th St from 119th Ave SE to 126th Ave SE
- Safe Routes to School: Bicycle connections to Olde Middle School and Ringdall Jr. High School
- Access to Parks: Bicycle connection to Newport Hills Park

Cost Estimates:
- Capital: Forthcoming
- O&M: Forthcoming

Conceptual Layouts:
- Lake Washington Blvd SE from 106th Ave SE to 113th Pl SE
- Lake Washington Blvd SE from 113th Pl SE to north of SE 59th St
- Lake Washington Blvd SE from north of SE 59th St to SE 60th St
- SE 60th St from Lake Washington Blvd SE to 116th Ave SE
- SE 60th St from 116th Ave SE to 119th Ave SE
- SE 60th St from 119th Ave SE to 126th Ave SE

Note: All dimensions are approximate pending field verification.
**CANDIDATE PROJECT PBC-8b:**
SE 60TH ST, COAL CREEK PKWY SE, FOREST DR SE

**Bicycle Classification:** Priority Bicycle Corridor

**Street Classifications:** Collector Arterial–Major Arterial

**Traffic Volumes** (AAWT):
4,900–5,300 (SE 60th St); 27,900 (Coal Creek Pkwy SE); 9,000 (Forest Dr SE)

**Posted Speed Limits:**
25 MPH (SE 60th St); 40 MPH (Coal Creek Pkwy SE); 30 MPH (Forest Dr SE)

**Existing Bicycle Facilities:**
Bike Lane, One Side (SE 60th St east of 126th Ave SE)
Bike Lanes, Both Sides (Coal Creek Pkwy SE, Forest Dr SE)

**Typical Street Sections:**

1. **126th Ave SE to 129th Ave SE**

2. **129th Ave SE to Coal Creek Pkwy SE**

3. **SE 60th St to Forest Dr SE**

4. **Coal Creek Pkwy SE to Highland Dr**

**Major Nearby Destinations:**
Coal Creek Trail

**Bicycle Network Connections:**
Coal Creek Pkwy SE, Highland Dr (PBC)

**Population** (½-mile buffer):
Data forthcoming

**Employment** (½-mile buffer):
Data forthcoming

**2009 Plan Projects:** B-157 (Med), O-139 (Med)
Conceptual Layouts:

SE 60th St from 126th Ave SE to Coal Creek Pkwy SE

Forest Dr SE from Coal Creek Pkwy SE to Somerset Dr SE

Coal Creek Pkwy SE from SE 60th St to south of Forest Dr SE

Forest Dr SE from Somerset Dr SE to SE 59th St

Coal Creek Pkwy SE from north of SE 60th St to Forest Dr SE

Forest Dr SE from SE 59th St to east of 142nd Ave SE

Note: All dimensions are approximate pending field verification

Issues:

- Requires 10-foot Travel Lanes: SE 60th St from 126th Ave SE to 129th Ave SE
- Requires 10-foot Travel Lanes: Coal Creek Pkwy SE and Forest Dr SE from SE 60th St to SE 63rd St.
- Parking Removal Required (est. ## spaces): SE 60th St from 126th Ave SE to 129th Ave SE

Opportunities:

- Separated Bike Lanes (## miles): SE 60th St from 126th Ave SE to 129th Ave SE
- Conventional Bike Lanes (## miles): 129th Ave SE to Coal Creek Pkwy SE
- Separated Bike Lanes (## miles): Coal Creek Pkwy SE and Forest Dr SE from SE 60th St to east of 142nd Ave SE
- Access to Parks: Bicycle connection to Coal Creek Trail

Cost Estimates:

Capital: Forthcoming
O&M: Forthcoming
CANDIDATE PROJECT PBC-8c: FOREST DR SE

**Bicycle Classification:** Priority Bicycle Corridor  
**Street Classifications:** Minor Arterial  
**Traffic Volumes (AAWT):**  
3,100 (west of Lakemont Blvd SE) to 8,600 (east of Highland Dr)  
**Posted Speed Limits:**  
30 MPH Forest Dr SE  
**Existing Bicycle Facilities:**  
Conventional Bike Lanes (west of SE 63rd St); Bike Shoulders (152nd Ave SE to Lakemont Blvd SE)  
**Bicycle Network Connections:**  
Coal Creek Pkwy SE, Highland Dr (PBC)  
**Population (½-mile buffer):** Data forthcoming  
**Employment (½-mile buffer):** Data forthcoming  
**2009 Plan Projects:** B-158 (Med)  

Typical Street Sections:

1. Highland Dr to SE 63rd St  
2. SE 63rd to 147th Ave SE  
3. 147th Ave SE to 148th Ave SE  
4. 148th Ave SE Lakemont Blvd SE
Issues:
1. Requires 10-foot Travel Lanes: Forest Dr SE from 142nd Ave SE to SE 63rd St

Opportunities:
Separated Bike Lanes (## miles): Forest Dr SE from 142nd Ave SE to SE 63rd St
Conventional Bike Lanes (## miles): Forest Dr SE from SE 63rd St to 147th Ave SE
Green-Backed Sharrows (## miles): Forest Dr SE from 147th Ave SE to 148th Ave SE
Separated Bike Lanes (## miles): Forest Dr SE from 148th Ave SE to Lakemont Blvd SE

Cost Estimates:
Capital: Forthcoming
O&M: Forthcoming

Note: All dimensions are approximate pending field verification

Conceptual Layouts:

Forest Dr SE from east of 142nd Ave SE to 148th Ave SE
Forest Dr SE from 148th Ave SE to east of 152nd Ave SE
Forest Dr SE from east of 152nd Ave SE to Lakemont Blvd SE