

**Route 40 - Transit-Plus Multimodal Corridor (TPMC) Project NEPA Categorical Exclusion
Section III – Project Information Required for CEs and DCEs
Part I – Hazardous Materials**

Executive Summary

This report documents the study of hazardous materials that was conducted for SDOT's Route 40 TPMC Project. There were 9 high-risk and 45 low-risk hazardous materials sites identified adjacent to the project corridor on private properties. Low-risk sites are defined as sites where contamination near the right-of-way has not been reported and/or no disturbance of contaminated soils or groundwater are anticipated during project construction near the property. High-risk sites are defined as sites where potential contamination may occur within or near the right-of-way. Construction depths for project improvements are generally up to 10 feet below ground surface within the right-of-way in specific sections for paving, curb ramp and stormwater improvements, and pole installation. It was determined from screening that no project improvements requiring ground disturbance would occur near high-risk properties, and therefore there is no potential to affect contaminated soils or groundwater during construction.

Introduction

This report documents the study of hazardous materials that was conducted for SDOT's Route 40 TPMC Project. The Route 40 TPMC project consists of a series of transit improvements including dedicated bus lanes and queue jumps, signal upgrades, channelization changes, turn restrictions, pavement spot improvements, and bus zone modifications. Running north to south, Route 40 is approximately 13.5 miles long and passes through the neighborhoods of Northgate, Crown Hill, Loyal Heights, Ballard, Fremont, Westlake, South Lake Union, Downtown Seattle, and Pioneer Square. This report describes the existing conditions, the background study area screening, potential hazardous materials generated by the project, and proposed avoidance, minimization, and mitigation measures to avoid potential impacts.

Project Description

The Route 40 TPMC project consists of a series of transit improvements including dedicated bus lanes and queue jumps, signal upgrades, channelization changes, turn restrictions, and bus zone modifications. The following transit elements are proposed by neighborhood segment:

- North Seattle: Aurora Ave N/N 105th St – relocate eastbound bus stop and new amenities; Holman Rd N between NW 103rd St and 3rd Ave NW – northbound bus lane; and NW 85th St between 16th Ave NW and 15th Ave NW – markings improvements on eastbound approach.
- Ballard: NW Market St between 22nd Ave NW and 24th Ave NW – bus lanes, bus bulb extensions, new bus zone amenities, and turn restrictions; Leary Way NW between NW Market St and 20th Ave NW – northbound bus lane; Leary Way NW/20th Ave NW – new signal and markings improvements ; Leary Way NW/NW Dock Pl – relocate bus stop, bus boarding bulbs, and new bus zone amenities; and Leary Way NW between 17th Ave NW and 14th Ave NW – markings improvements on Leary Way NW, add turn pockets and signal upgrades.

- Fremont: 1st Ave NW/N 36th St – bus boarding bulb and stop amenities; Dayton Ave N/N 36th St – bus stop amenities; N 36th St between 2nd Ave NW and Fremont Ave N – southbound bus lane and signal upgrades; and Fremont Ave N between N 35th St and N 34th St – bus lanes, bus stop modifications, new bus zone amenities, and signal upgrades.
- South Lake Union: Westlake Ave N between Dexter Ave N (Fremont Bridge) and 9th Ave N – bus lanes and signal upgrades; Westlake Ave N/9th Ave N – southbound left turn bus lane and signal upgrades; and Westlake Ave N/Mercer St – markings improvements.

In addition, signal upgrades to support Transit Signal Priority (TSP) is proposed at 14 intersections along the Route 40 corridor. In some locations, the anticipated benefits of the Route 40 TPMC improvements would extend to other KCM buses that share the same alignment and/or stops.

The Route 40 TPMC project would require pavement improvements in Ballard and Fremont to support proposed bus lanes and rechannelization, including:

- NW Market St between 22nd Ave NW and Ballard Ave – asphalt restoration as needed adjacent to extended bus bulbs.
- Leary Way NW near 17th Ave NW – concrete restoration to facilitate road diet and minimize further deterioration associated with the proposed lane line shift.
- Fremont Ave N between N 34th St and N 35th St – full depth, curb-to-curb concrete paving between existing concrete joint line south of N 34th St intersection and south curb line at N 35th St. Work would require sidewalk replacement to meet design standards for cross slope and curb height.
- Westlake Ave N near 4th Ave N – restoration of failing asphalt pavement in northbound curbside lane approaching the Fremont Bridge.

The Route 40 TPMC project would construction pedestrian improvements surrounding stations and at intersections. There would be Americans with Disabilities Act-compliant curb ramps, pedestrian push buttons, and countdown pedestrian signal heads to control pedestrian traffic at intersections near station locations. There would also be intersection improvements to safety for pedestrians accessing the stations, including sidewalk repairs and crosswalk striping. Crossing enhancements to improve safety and access near transit stops would include:

- Leary Way NW north of 20th Ave NW – improve existing midblock crossing to replace overhead crosswalk beacon with flashing beacon and construct a median refuge island.
- Leary Way NW at 15th Ave NW – repair sidewalk and upgrade curb ramps and improve the timing for the east-west pedestrian crossings.
- N 36th St at Phinney Ave N and Dayton Ave N – construct curb bulbs on several corners to shorten crossing distances.
- Install accessible pedestrian signals at four locations, including Fremont Ave N and N 35th St which was received as a community request.

The Route 40 TPMC project also includes a number of improvements for bicyclists, including:

- Leary Way NW at 20th Ave NW/Vernon Pl NW – neighborhood greenway crossing including bicycle markings through intersection and bicycle detection on minor-leg approaches.
- Fremont Ave N between N 35th St and N 36th St – protected bike lane in northbound direction.
- 4th Ave N between Florentia St and Nickerson St – bike lane southbound and bike box.
- 9th Ave N between Westlake Ave N and Roy St – extend buffer of the southbound bike lane north to the crosswalk.

These project elements would improve safety and access to transit for people walking, biking, and rolling along the Route 40 corridor.

Existing Conditions

Running north to south, Route 40 passes through the neighborhoods of Northgate, Crown Hill, Loyal Heights, Ballard, Fremont, Westlake, South Lake Union, Downtown Seattle, and Pioneer Square. At the northern end of the project, single-family zoning, low-rise multifamily zoning, and neighborhood commercial zoning predominate from Northgate down to Ballard. Industrial zones are heavily concentrated between Fremont and Ballard. At the southern end of the project, mixed commercial and residential zoning with some maritime uses in the Westlake and South Lake Union neighborhoods transition to dense mixed uses to downtown. The project is adjacent to peat settlement prone areas, potential liquefaction areas, steep slopes and streams, but all work would occur within right-of-way or within adjacent small easements on sidewalks, and no impacts to environmental resources are anticipated.

Background Study Area Screening for Existing Hazardous and Problem Waste

The City's GIS mapping system contaminated sites and underground storage tanks (USTs) layer, Ecology's map of known and suspected contaminated sites, USTs, leaking USTs (LUSTs) and sites Ecology has issued No Further Action letters on, were reviewed for this report. Once a complete list of potential sites was generated, topography and water courses were added to the GIS map and further analysis was completed to determine which sites had a potential for impacting soils or groundwater within the project area relative to disturbance areas. Ecology's records were also accessed to evaluate the sites.

Hazardous materials sites identified as high-risk and low-risk were identified adjacent to the project corridor on private properties. This included 9 high-risk and 45 low-risk sites that are described below. Low-risk sites are defined as sites where contamination near the right-of-way has not been reported and/or no disturbance of contaminated soils or groundwater are anticipated during project construction near the property. High-risk sites are defined as sites where potential contamination may occur within or near the right-of-way.

Construction depths for project improvements are generally up to 5 feet below ground surface within the right-of-way in specific sections for paving, curb ramp and stormwater improvements, and pole installation. It was determined from screening that no project improvements requiring ground disturbance would occur near high-risk properties, and therefore there is no potential to

affect contaminated soils or groundwater during construction. Table 1 provides an overview of the hazardous materials sites which are described in more detail below.

Table 1: Hazardous Materials Sites

MAP ID	SITE	RISK	STATUS	NEIGHBORHOOD
1	ARCO 4451	Low	No Further Action	Haller Lake
2	Seattle ROW N 105th at Aurora	High	Awaiting Cleanup	Bitter Lake
3	Transmission Factory	Low	Cleanup Started	Bitter Lake
4	Gaunt Property	Low	No Further Action	Broadview
5	U Save Oil Co Inc	Low	No Further Action	Crown Hill
6	Best Car Wash	Low	No Further Action	Crown Hill
7	National Drycleaners	Low	Cleanup Started	Crown Hill
8	Seattle Fire Station 35	Low	No Further Action	Crown Hill
9	Unocal 3745	Low	No Further Action	Loyal Heights
10	Rotunna Al Foreign American Auto	Low	No Further Action	Loyal Heights
11	Rotunna Property	Low	Cleanup Started	Loyal Heights
12	Ballard on the Park	Low	Cleanup Started	Ballard
13	Chuck's Ballard Service	High	Cleanup Started	Ballard
14	Ballard Eagles Unocal	High	Cleanup Started	Ballard
15	Merrill Gardens at Ballard	Low	Cleanup Started	Ballard
16	Market Street Spirit Texaco	Low	Cleanup Started	Ballard
17	Chevron 90968	High	Cleanup Started	Ballard
18	Olympic Athletic Club	Low	Cleanup Started	Ballard
19	Wilson Ford East Portion	Low	No Further Action	Ballard
20	Wyman Property	Low	Awaiting Cleanup	Ballard
21	Wilson Ford	Low	No Further Action	Ballard
22	Ballard Space Building	Low	Cleanup Started	Ballard
23	Salmon Bay Eagles 2141 FOE	Low	Awaiting Cleanup	Ballard
24	Hatch & Kirk Inc	Low	No Further Action	Ballard
25	Time Oil Bills Tires	Low	No Further Action	Ballard
26	Ballard Recycling	Low	Awaiting Cleanup	Ballard
27	Ballard Auto Wrecking	Low	No Further Action	Ballard
28	Schneider Homes	Low	Awaiting Cleanup	Ballard
29	MAMCO MFG BLDGS B&C	Low	Awaiting Cleanup	Ballard
30	Nix Auto Wrecking Inc	Low	No Further Action	Ballard
31	Ernst Ballard Parcel B	Low	Cleanup Started	Ballard
32	Rudd Co Inc Seattle	Low	No Further Action	Ballard
33	Nix Auto Wrecking	Low	Cleanup Started	Ballard
34	Northend Rentals	Low	Cleanup Started	Fremont
35	7-Eleven 26544	Low	Cleanup Started	Fremont
36	Asko Processing	Low	Cleanup Started	Fremont

MAP ID	SITE	RISK	STATUS	NEIGHBORHOOD
37	Acme Plating Works	Low	Awaiting Cleanup	Fremont
38	Fremont Court	Low	Awaiting Cleanup	Fremont
39	Fremont Bridge Approach	High	Awaiting Cleanup	Fremont
40	Seattle City DOT Maintenance Yard	Low	Awaiting Cleanup	Westlake
41	Wilson Marine	Low	Cleanup Started	Westlake
42	Fremont Bridge Mini Storage	Low	Cleanup Started	Westlake
43	JC Commercial Properties LLC	Low	Awaiting Cleanup	Westlake
44	Marina Mart Complex	Low	No Further Action	Westlake
45	Westlake Properties	Low	Cleanup Started	Westlake
46	Lake Union Air Service	Low	No Further Action	Westlake
47	Maaco Auto Painting Bodywork 9th Ave	Low	Awaiting Cleanup	South Lake Union
48	Seattle City DOT ROW 710 9th Ave N	Low	Awaiting Cleanup	South Lake Union
49	Auto Service Company	High	Cleanup Started	South Lake Union
50	AIBS Building Block 43	High	Cleanup Started	South Lake Union
51	Tosco 25535330857	High	Cleanup Started	South Lake Union
52	Block 38 West	High	Cleanup Started	South Lake Union
53	Rosen Property	Low	Cleanup Started	South Lake Union
54	Firestone Tire & Rubber Co	Low	Cleanup Started	South Lake Union

The following hazardous materials sites are described in more detail adjacent to the project area from north to south:

1. The **ARCO 4451** Low-Risk site – No Further Action Required (Facility Site ID 93425596), is located at 10504 Aurora Ave N (Parcel # 6300000615). The site is located to the north of project right-of-way upslope at the intersection on northeast corner with N 105th St. Soil and groundwater contamination have been remediated for benzene and petroleum products. Ecology issued a No Further Action determination in April 2012. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
2. The **Seattle ROW N 105th at Aurora** High-Risk site – Awaiting Cleanup (Facility Site ID 12611), is located at 10501 Aurora Ave N (Parcel # 2291400330). The site is located to the north of project right-of-way upslope at the intersection on northwest corner with N 105th St. Soil and groundwater contamination is confirmed for benzene and petroleum products. Underground storage tanks have been closed but post cleanup is unknown. There is potential contamination within or near the right-of-way above MCTA levels from this property. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.

3. The **Transmission Factory** Low-Risk site – Cleanup Started (Facility Site ID 1543551), is located at 10538 Aurora Ave N (Parcel # 2291400345). The site is located to the north of project right-of-way upslope near the intersection with Whitman Ave N. Soil contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
4. The **Gaunt Property** Low-Risk site – No Further Action Required (Facility Site ID 66153426), is located between 10501-10507 Greenwood Ave N. The site is located to the north of project right-of-way upslope at the intersection with Greenwood Ave N. There is potential soil contamination for petroleum products. Ecology issued a No Further Action determination in 1996. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
5. The **U Save Oil Co Inc** Low-Risk site – No Further Action Required (Facility Site ID 79227619), is located at 9076 Holman Rd NW (Parcel # 1862400484). The site is located to the north of project right-of-way upslope near the intersection with 14th Ave NW. Soil contamination has been remediated for petroleum products. Ecology issued a No Further Action determination in February 2011. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
6. The **Best Car Wash** Low-Risk site – No Further Action Required (Facility Site ID 27745362), is located at 9000 Mary Ave NW (Parcel # 7515000220). The site is located to the west of project right-of-way upslope near the intersection with NW 90th St. Soil and groundwater contamination have been remediated for benzene and petroleum products. Ecology issued a No Further Action determination in March 2012. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
7. The **National Drycleaners** Low-Risk site – Cleanup Started (Facility Site ID 82131363), is located at 8747 Holman Rd NW (Parcel # 3300700825). The site is located to the west of project right-of-way upslope near the intersection with 15th Ave NW. Soil contamination is confirmed for halogenated organics and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
8. The **Seattle Fire Station 35** Low-Risk site – No Further Action Required (Facility Site ID 98356189), is located at 8729 15th Ave NW (Parcel # 3300700755). The site is located to the west of project right-of-way upslope near the intersection with NW 87th St. Soil contamination has been remediated for petroleum products. Ecology issued a No Further Action determination in February 2012. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
9. The **Unocal 3745** Low-Risk site – No Further Action Required (Facility Site ID 33118119), is located at 8502 15th Ave NW (Parcel # 7588700347). The site is located to the south of project right-of-way downslope at the southwest intersection with NW 85th St. Soil contamination is confirmed for petroleum products. Ecology issued a No Further Action

determination in December 1998. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.

10. The **Rotunna AI Foreign American Auto** Low-Risk site – No Further Action Required (Facility Site ID 23629788), is located at 1701 NW 85th St (Parcel # 0546000560). The site is located to the south of project right-of-way downslope at the southwest corner of intersection with 17th Ave NW. Soil contamination is confirmed for petroleum products. Ecology issued a No Further Action determination in October 2011. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
11. The **Rotunna Property** Low-Risk site – Cleanup Started (Facility Site ID 15627325), is located at 1701 NW 85th St (Parcel # 0546000560). The site is located to the south of project right-of-way downslope at the southwest corner of intersection with 17th Ave NW. Soil contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
12. The **Ballard on the Park** Low-Risk site – Cleanup Started (Facility Site ID 16742), is located at 2237 NW 58th St and 5700 24th Ave NW (Parcel # 2767605130). The site is located to the west of project right-of-way upslope at the northwest corner of intersection with NW 57th St. Soil contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
13. The **Chuck's Ballard Service** High-Risk site – Cleanup Started (Facility Site ID 89935929), is located at 5615 24th Ave NW (Parcel # 5491300000). The site is located to the west of project right-of-way upslope at the southwest corner of intersection with NW 57th St. Soil contamination is confirmed for petroleum products. There is potential contamination within or near the right-of-way above MCTA levels and disturbance of contaminated soils or groundwater may occur during project construction. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.
14. The **Ballard Eagles Unocal** High-Risk site – Cleanup Started (Facility Site ID 1738043), is located at 5614 24th Ave NW (Parcel # 0457600000). The site is located to the east of project right-of-way downslope at the southeast corner of intersection with NW 57th St. Soil and groundwater contamination is confirmed for benzene, non-halogenated solvents, and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction. There is potential contamination within or near the right-of-way above MCTA levels and disturbance of contaminated soils or groundwater may occur during project construction. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.
15. The **Merrill Gardens at Ballard** Low-Risk site – Cleanup Started (Facility Site ID 20674), is located at 5601 24th Ave NW (Parcel # 2767700075). The site is located to the west of project right-of-way upslope at the northwest corner of intersection with NW 56th St. Soil

contamination is confirmed for petroleum products but remediation has occurred. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.

16. The **Market Street Spirit Texaco** Low-Risk site – Cleanup Started (Facility Site ID 83971759), is located at 5505 24th Ave NW (Parcel # 2767701170). The site is located to the west of project right-of-way upslope at the northwest corner of intersection with NW Market St. Soil and groundwater contamination is confirmed for benzene, lead, methyl tertiary-butyl ether, other non-halogenated organics, and petroleum products but remediation has occurred. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
17. The **Chevron 90968** High-Risk site – Cleanup Started (Facility Site ID 2472), is located at 2021 NW Market St (Parcel # 2767703615). The site is located to the east of project right-of-way upslope at the southeast corner of intersection with Leary Ave NW. Soil and groundwater contamination is confirmed for benzene, lead, non-halogenated solvents, and petroleum products. While remediation has occurred, there is likely still potential contamination adjacent to Leary Ave NW within sidewalk area. There is potential contamination within or near the right-of-way above MCTA levels and disturbance of contaminated soils or groundwater may occur during project construction. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.
18. The **Olympic Athletic Club** Low-Risk site – Cleanup Started (Facility Site ID 9958499) is located at 5301 Leary Ave NW (Parcel # 1327150000). The site is located to the east of project right-of-way upslope south of Leary Ave NW. Groundwater contamination is confirmed for metal priority pollutants, non-halogenated solvents, and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
19. The **Wilson Ford East Portion** Low-Risk site – No Further Action Required (Facility Site ID 9298014) is located at 5440 Leary Ave NW (Parcel # 1327150000). The site is located to the east of project right-of-way upslope north of Leary Ave NW. Soil contamination is confirmed for benzene, non-halogenated solvents, and petroleum products. Ecology issued a No Further Action determination in September 2004. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
20. The **Wyman Property** Low-Risk site – Awaiting Cleanup (Facility Site ID 2283) is located at 5330 Ballard Ave NW (Parcel # 2767703030). The site is located to the south of project right-of-way downslope adjacent to Ballard Ave NW. Soil contamination is confirmed for halogenated organics, metals priority pollutants, non-halogenated solvents, and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
21. The **Wilson Ford** Low-Risk site – No Further Action Required (Facility Site ID 79516349) is located at 5433 Leary Ave NW (Parcel # 2767703035). The site is located to the west of project right-of-way downslope south of Leary Ave NW. Soil and groundwater contamination is confirmed for organic contaminants and petroleum products. Ecology issued a No Further Action determination in March 2003. No contamination near the right-

of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.

22. The **Ballard Space Building** Low-Risk site – Cleanup Started (Facility Site ID 7960) is located at 5304 Ballard Ave NW (Parcel # 2767703010). The site is located to the south of project right-of-way downslope adjacent to Ballard Ave NW. Soil contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
23. The **Salmon Bay Eagles 2141 FOE** Low-Risk site – Awaiting Cleanup (Facility Site ID 51566272) is located at 5244 Leary Ave NW (Parcel # 2767703505). The site is located to the east of project right-of-way upslope adjacent to 20th Ave NW. Groundwater contamination is confirmed for benzene, other non-halogenated organics, and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
24. The **Hatch & Kirk Inc** Low-Risk site – No Further Action Required (Facility Site ID 25683275) is located at 5111 Leary Ave NW (Parcel # 2767703110). The site is located to the south of project right-of-way downslope near NW Dock Pl. Soil contamination has been clean below cleanup levels for lead, metals, and petroleum products. Ecology issued a No Further Action determination in October 2011. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
25. The **Time Oil Bills Tires** Low-Risk site – No Further Action Required (Facility Site ID 85572141) is located at 4910 Leary Ave NW (Parcel # 2767703340). The site is located to the north of project right-of-way upslope adjacent to 17th Ave NW. Soil and groundwater contamination is confirmed for petroleum products. Ecology issued a No Further Action determination in December 2015. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
26. The **Ballard Recycling** Low-Risk site – Awaiting Cleanup (Facility Site ID 2355) is located at 1509 NW 49th St (Parcel # 2767701995). The site is located to the north of project right-of-way upslope adjacent to 15th Ave NW. Soil contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
27. The **Ballard Auto Wrecking** Low-Risk site – No Further Action Required (Facility Site ID 2346) is located at 1515 NW Leary Way (Parcel # 2767702115). The site is located to the south of project right-of-way downslope adjacent to 15th Ave NW. Soil and groundwater contamination have been remediated. Ecology issued a No Further Action determination in July 2011. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
28. The **Schneider Homes** Low-Risk site – Awaiting Cleanup (Facility Site ID 3206758) is located at 26000 152nd Ave SE (Parcel # 2768302575). The site is located to the north of project right-of-way upslope to the east of 15th Ave NW. Soil contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no

disturbance of contaminated soils or groundwater are anticipated during project construction.

29. The **MAMCO MFG BLDGS B&C** Low-Risk site – Awaiting Cleanup (Facility Site ID 2319) is located at 1415 and 1427 NW 49th St (Parcel # 2768302530). The site is located to the north of project right-of-way upslope to the west of 14th Ave NW. Soil and groundwater contamination is confirmed for halogenated organics and non-halogenated solvents. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
30. The **Nix Auto Wrecking Inc** Low-Risk site – No Further Action Required (Facility Site ID 76466586) is located at 1400 1406 NW Leary Way (Parcel # 2768302535). The site is located to the north of project right-of-way upslope to the west of 14th Ave NW. Soil and groundwater contamination have been remediated. Ecology issued a No Further Action determination in March 2020. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
31. The **Ernst Ballard Parcel B** Low-Risk site – Cleanup Started (Facility Site ID 86618111) is located at 1401 NW Leary Way (Parcel # 2768302590). The site is located to the south of project right-of-way downslope to the west of 14th Ave NW. Soil contamination is confirmed for petroleum products and Polycyclic Aromatic Hydrocarbons. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
32. The **Rudd Co Inc Seattle** Low-Risk site – No Further Action Required (Facility Site ID 2157) is located at 1141 NW 50th St (Parcel # 2768302361). The site is located to the north of project right-of-way upslope to the east of 14th Ave NW. Groundwater and soil contamination is confirmed for non-halogenated solvents and petroleum products. Ecology issued a No Further Action determination in September 1996. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
33. The **Nix Auto Wrecking** Low-Risk site – Cleanup Started (Facility Site ID 42972957) is located at 999 NW Leary Way (Parcel # 2768302900). The site is located to the south of project right-of-way downslope to the east of 11th Ave NW. Soil contamination is confirmed for metals priority pollutants and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
34. The **Northend Rentals** Low-Risk site – Cleanup Started (Facility Site ID 95927113) is located at 3623 NW Leary Way (Parcel # 2768302900). The site is located to the south of project right-of-way downslope to the south of NW 39th St. Soil contamination is confirmed for arsenic and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
35. The **7-Eleven 26544** Low-Risk site – Cleanup Started (Facility Site ID 25832248) is located at 304 N 36th St (Parcel # 1972200385). The site is located to the north of project right-of-way upslope to the east of Greenwood Ave N. Soil contamination is confirmed for benzene. No

contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.

36. The **Asko Processing** Low-Risk site – Cleanup Started (Facility Site ID 2087) is located at 434 N 34th St (Parcel # 1972203485). The site is located to the south of project right-of-way downslope to the east of Phinney Ave N. Soil and groundwater contamination is confirmed for metals priority pollutants. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
37. The **Acme Plating Works** Low-Risk site – Awaiting Cleanup (Facility Site ID 2078) is located at 601 N 35th St (Parcel # 1972203125). The site is located to the south of project right-of-way downslope to the east of Evanston Ave N. Soil and groundwater contamination is confirmed for metals priority pollutants and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
38. The **Fremont Court** Low-Risk site – Awaiting Cleanup (Facility Site ID 22663) is located at 719 N 35th St (Parcel # 1972202775). The site is located to the south of project right-of-way downslope to the east of Fremont Ave N. Soil contamination is confirmed for halogenated solvents and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
39. The **Fremont Bridge Approach** High-Risk site – Awaiting Cleanup (Facility Site ID 2225848) is located at Fremont Ave N and 4th Ave N (Parcel # 1973200385). The site is located to the east of project right-of-way downslope to the north of the Burke Gilman Trail. Soil contamination is confirmed for non-halogenated solvents and petroleum products. There is potential contamination within or near the right-of-way above MCTA levels and disturbance of contaminated soils or groundwater may occur during project construction. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.
40. The **Seattle City DOT Maintenance Yard** Low-Risk site – Awaiting Cleanup (Facility Site ID 53643827) is located at 2940 Westlake Ave N. The site is located to the east of project right-of-way downslope underneath the south side of Fremont Bridge. Soil and groundwater contamination is confirmed for halogenated organics, metals priority pollutants, petroleum products, and Polycyclic Aromatic Hydrocarbons. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
41. The **Wilson Marine** Low-Risk site – Cleanup Started (Facility Site ID 8692723) is located at 2930 Westlake Ave N (Parcel # 4088804375). The site is located to the east of project right-of-way downslope underneath the south side of Fremont Bridge. Soil contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
42. The **Fremont Bridge Mini Storage** Low-Risk site – Cleanup Started (Facility Site ID 11187) is located at 319 Nickerson St (Parcel # 5244800055). The site is located to the west of project right-of-way upslope. Soil contamination is confirmed for petroleum products. No

contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.

43. The **JC Commercial Properties LLC** Low-Risk site – Awaiting Cleanup (Facility Site ID 1339184) is located at 2955 Westlake Ave N. The site is located to the west of project right-of-way upslope. Soil and groundwater contamination is confirmed for non-halogenated solvents, petroleum products, and Polycyclic Aromatic Hydrocarbons. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
44. The **Marina Mart Complex** Low-Risk site – No Further Action Required (Facility Site ID 11113) is located at 1500 Westlake Ave N (Parcel # 8807900130). The site is located to the west of project right-of-way upslope. Soil remediation has occurred for benzene and petroleum products. Ecology issued a No Further Action determination in October 2011. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
45. The **Westlake Properties** Low-Risk site – Cleanup Started (Facility Site ID 1357) is located at 1105 Westlake Ave N. The site is located to the west of project right-of-way upslope. Soil and groundwater contamination is confirmed for arsenic, metals priority pollutants, and petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
46. The **Lake Union Air Service** Low-Risk site – No Further Action Required (Facility Site ID 26674683) is located at 930 Westlake Ave N (Parcel # 4088803625). The site is located to the east of project right-of-way downslope. Soil contamination is confirmed for petroleum products. Ecology issued a No Further Action determination in June 2008. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
47. The **Maaco Auto Painting Bodywork 9th Ave** Low-Risk site – Awaiting Cleanup (Facility Site ID 2224749) is located at 739 9th Ave N (Parcel # 4088803485). The site is located to the west of project right-of-way upslope. Soil and groundwater contamination is confirmed for benzene, halogenated solvents, lead, mercury, petroleum products, and Polycyclic Aromatic Hydrocarbons. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
48. The **Seattle City DOT ROW 710 9th Ave N** Low-Risk site – Awaiting Cleanup (Facility Site ID 21735) is located at 710 9th Ave N (Parcel # 4088803500). The site is located to the west of project right-of-way upslope. Soil contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
49. The **Auto Service Company** High-Risk site –Cleanup Started (Facility Site ID 24436664) is located at 630 9th Ave N (Parcel # 4088803240). The site is located to the east of project right-of-way downslope south of Valley St. Soil and groundwater contamination is confirmed for benzene, lead, non-halogenated solvents, petroleum products, and Polycyclic Aromatic Hydrocarbons. Remediation has occurred but there is potential for contamination within right-of-way. There is potential contamination within or near the right-of-way above

MCTA levels and disturbance of contaminated soils or groundwater may occur during project construction. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.

50. The **AIBS Building Block 43** High-Risk site – Cleanup Started (Facility Site ID 32368748) is located at 601 Westlake Ave N (Parcel # 4088803385). The site is located to the west of project right-of-way upslope south of Roy St. Soil and groundwater contamination is confirmed for benzene, lead, metals, non-halogenated solvents, and petroleum products. There is potential contamination within or near the right-of-way above MCTA levels and disturbance of contaminated soils or groundwater may occur during project construction. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.
51. The **Tosco 25535330857** High-Risk site – Cleanup Started (Facility Site ID 46445373) is located at 600 Westlake Ave N (Parcel # 4088803355). The site is located to the east of project right-of-way downslope south of Roy St. Soil and groundwater contamination is confirmed for benzene, lead, non-halogenated solvents, petroleum products, and Polycyclic Aromatic Hydrocarbons. There is potential contamination within or near the right-of-way above MCTA levels and disturbance of contaminated soils or groundwater may occur during project construction. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.
52. The **Block 38 West** High-Risk site – Cleanup Started (Facility Site ID 62773) is located at 520 Westlake Ave N (Parcel # 1983200180). The site is located to the east of project right-of-way downslope southeast of Mercer St. Soil and groundwater contamination is confirmed for benzene, petroleum products, and Polycyclic Aromatic Hydrocarbons. There is potential contamination within or near the right-of-way above MCTA levels and disturbance of contaminated soils or groundwater may occur during project construction. However, no project improvements requiring ground disturbance would occur near this property and there is no potential to affect contaminated soils or groundwater from the site.
53. The **Rosen Property** Low-Risk site – Cleanup Started (Facility Site ID 2500) is located at 960 Republican St (Parcel # 1983200160). The site is located to the east of project right-of-way downslope north of Republican St. Soil and groundwater contamination is confirmed for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.
54. The **Firestone Tire & Rubber Co** Low-Risk site – Cleanup Started (Facility Site ID 32145888) is located at 520 Westlake Ave N (Parcel # 1983200230). The site is located to the east of project right-of-way downslope south of Republican St. Soil and groundwater contamination is suspected for petroleum products. No contamination near the right-of-way has been reported and no disturbance of contaminated soils or groundwater are anticipated during project construction.

Potential Hazardous Materials Generated by the Project

There is potential for hazardous materials to be brought to or generated by the project. These potential hazardous materials are:

- Hydraulic and motor oil
- Gasoline and diesel fuel
- Paints
- Concrete

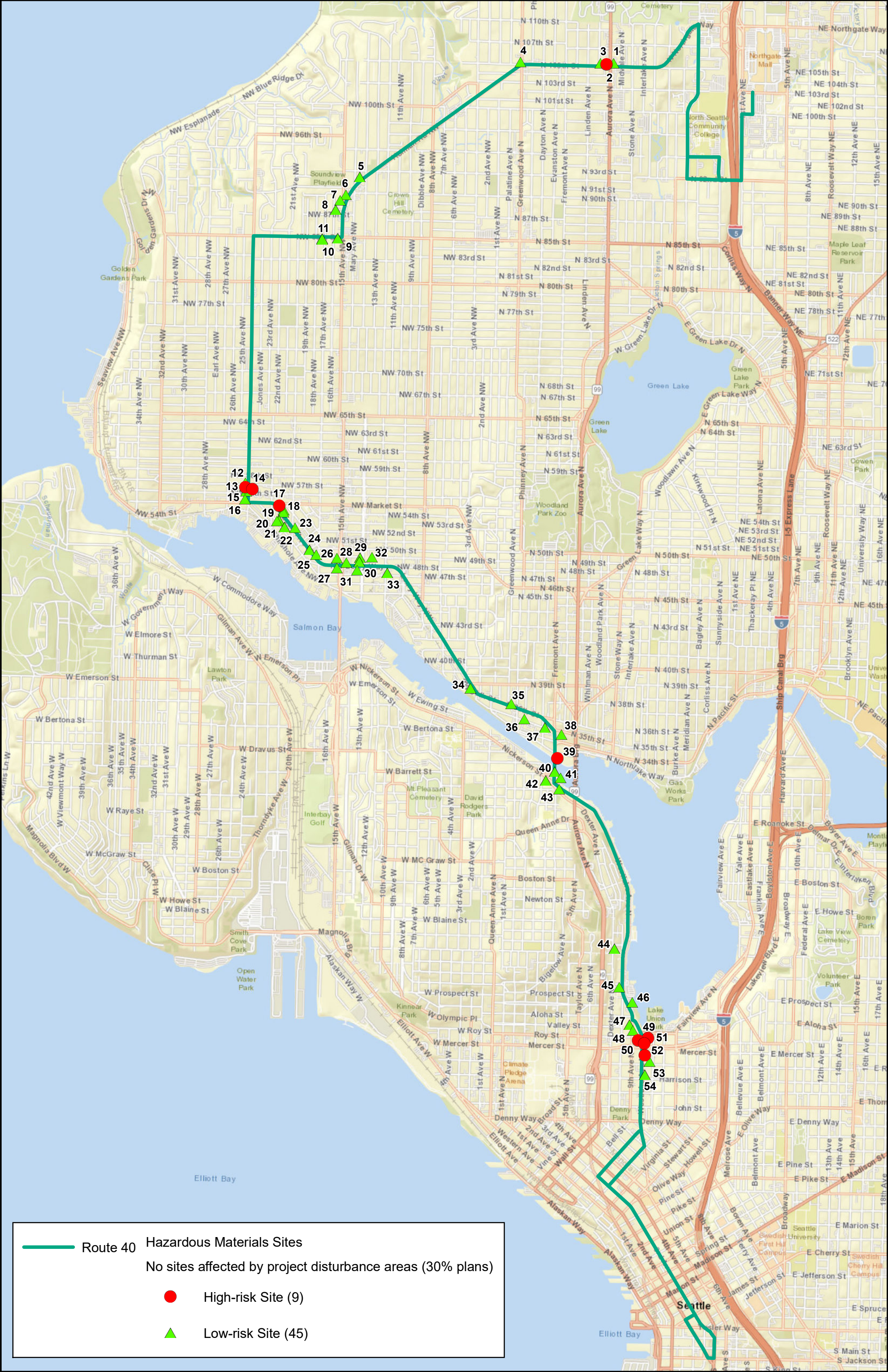
Avoidance, Minimization, and Mitigation Measures

As previously noted under the screening, there is no indication that there is contamination in the project area or that there would be any potential effects from contamination. The contractor will be required to follow the 2020 edition of Seattle Standard Plans and Standard Specifications for Road, Bridge and Municipal Construction and the Seattle Stormwater Code. The following BMPs will be followed during construction:

- The contractor will provide a Stormwater Pollution Prevention Plan consistent with City specification 8-01.3(2)A, and the Department of Ecology's Stormwater Manual and the NPDES Stormwater Permit for City review and approval before beginning construction activities. This will include describing BMPs to prevent erosion and sedimentation and to identify, reduce, eliminate or prevent stormwater contamination and water pollution from construction activity; the method for collecting, containing, removing and properly disposing of concrete and grout spoils; and practices for maintaining and inspecting BMPs.
- The contractor will provide a Spill Plan consistent with City specification 8-01.3(2)C for City review and approval before beginning construction. This will include identifying the types of contaminants to be used during construction; decontamination locations and procedures, disposal procedures and spill response; identifying equipment and work practices that will be used to prevent release of contamination; and spill prevention and response training.
- SDOT will identify high-risk sites in the project specifications, including publicly available information from the Washington State Department of Ecology. Potential contamination encountered during construction will be properly handled, sampled, and disposed of consistent with City specification 1-07.29, Discoveries of Contaminated Material(s), Dangerous Waste(s), or TSCA Waste(s). The contractor will provide a Waste Management Plan consistent with City specification 1-07.3 for City review and approval before beginning construction. This plan will include estimated quantity of waste materials and proposed transporter and disposal sites, and it will address discovery of contaminated materials.
- A Health and Safety Plan consistent with City specification 1-07.1(2) will be developed by the construction contractor before work commences. This plan will provide information on any hazardous materials that may be associated with project construction and will outline safety procedures for handling any of these substances.
- All permitting conditions required by local, state, and federal agencies will be followed during construction.

Conclusion and Recommendations

The Route 40 TMPC Project will include a series of transit improvements including dedicated bus lanes and queue jumps, signal upgrades, channelization changes, turn restrictions, pavement spot improvements, and bus zone modifications. Based on the hazardous materials screening, there is no indication that there is any potential effects from contamination. With the implementation of proposed avoidance, minimization, and mitigation measures, hazardous materials encountered or emitted during construction activities are not expected to result in potential impacts.



— Route 40 Hazardous Materials Sites
 No sites affected by project disturbance areas (30% plans)

● High-risk Site (9)
▲ Low-risk Site (45)