

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background

1. Name of proposed project, if applicable:

[Preferred Aubrey Davis Park Master Plan Draft](#)

2. Name of applicant:

[City of Mercer Island Parks and Recreation Department](#)

3. Address and phone number of applicant and contact person:

4. Date checklist prepared:

August 2019

5. Agency requesting checklist:

City of Mercer Island Community Planning and Development

6. Proposed timing or schedule (including phasing, if applicable):

This master plan considers a twenty year planning timeframe: 2020-2040

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No. There is no plan update anticipated in this planning timeframe.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

None. Projects listed in this plan maybe subject to additional SEPA and/or other environmental review during design development.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

King County Wastewater Treatment Division is currently designing the North Mercer Entatai Interceptor project that occupies part of the same site. There may be pending governmental approvals for that project.

10. List any government approvals or permits that will be needed for your proposal, if known.

The City of Mercer Island and Washington State Department of Transportation are expected to take action to adopt the proposed plan.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The Aubrey Davis Park Master Plan guides the operations, capital renovation and future development of the 91.8 acre park based on anticipated community and regional needs. Proposed future projects included in the plan are summarized as follows (refer to plan sheets that accompany this checklist):

- Soil amendment, landscape renovation, and operational changes to landscape management;
- New trail construction and improvements to existing trails, including accessibility improvements;
- Trail crossing improvements at street locations;
- Construction of a new restroom, dog off-leash area, ADA parking stalls, shoreline access

This checklist evaluates the expected cumulative impact of these proposed projects. These changes are relatively minor improvements to the park. The character and functions of the park remain similar to current conditions. It is uncertain at this time whether any or all of these projects will be implemented and in what timeframe.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you

are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

Aubrey Davis Park extends from the Homer Hadley Floating Bridge and the shoreline of Lake Washington on the west side of Mercer Island to the East Channel Bridge and the shoreline of Lake Washington on the east side of Mercer Island. It is an irregular linear shape that straddles Interstate 90 and is roughly bounded by SE 20th Street at its northernmost extent and SE 38th Street at its southernmost extent. See site map attached to this checklist.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

(circle one): Flat, **rolling**, hilly, steep slopes, mountainous, other _____

b. What is the steepest slope on the site (approximate percent slope)?

The steepest slope is 60 percent.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The soils of the site are mostly imported, manufactured sand-based soils that contain some organic content. Areas of larger cut slopes are exposed compacted subgrade typically of lacustrine origin. They exhibit poor soil development.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

WSDOT reports that the slopes along the south boundary of the park east of 72nd Ave SE exhibited some symptoms of instability during the construction of the highway in the late 1980's. These slopes were left undeveloped and remain in WSDOT ownership.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

All filling, excavation and grading is related to improvements to trails and ADA connections, addition of restroom building and associated utility work, drainage improvements at sport field and landscape improvements. The exact extent is to be determined with future projects, approximate affected areas are 34,617 SF for new development and 570,420 SF for soil renovation for a total disturbance area of 605,037 SF or 13.9 acres. New development areas are primarily trails. Total excavation would be approximately 480 CY and fill import would be 575 CY. Import materials would be primarily crushed rock, asphalt and concrete with small amounts of topsoil. In soil renovation areas, no excavation export would occur and fill import would be limited to organic soil amendments totaling approximately 12,000 CY. This assumes all projects are implemented. More accurate excavation, fill and grading quantities will be developed for specific projects as required by local codes and/or WSDOT regulations.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

The plan anticipates intensively amending large areas of soil and replanting them to improve landscape performance. On sloping sites, this activity will require use of temporary erosion and sedimentation control measures (TESC). Other construction activities for trails, new restroom and shoreline improvements will require the same. Specific TESC will be identified as part of the design of specific projects. No erosion is anticipated from any finished project.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Current percentage impervious surface is 18.9%. Projected percentage impervious surface is 19.7%, an increase of 0.8%.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
On WSDOT property, standard WSDOT TESC measures will be proposed as part of project design and approved by WSDOT prior to construction. On City property, a TESC plan will be developed as part of project design and approved by Mercer Island Community Planning and Development prior to construction.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

During vegetation removal and tilling operations, dust may be generated. During construction, hydrocarbon emissions from the operation of trucks and equipment will temporarily impact air quality. Quantities are unknown and depend on weather and site conditions. Operation and maintenance impacts should be unchanged.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

All construction projects will identify measures to reduce or control emissions as required by City and/or WSDOT standards, and/or as required as part of project permitting.

3. Water

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The site is bounded by Lake Washington to the east and west. According to Mercer Island GIS data, the site contains portions of seven piped watercourses that run underneath Interstate 90.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes. There would be work within 200 feet of described waters if that portion of the plan is implemented. Work along Lake Washington shoreline would consist of beach gravel placement for shoreline access, as well as upland grading and access trail construction above ordinary mean high water. There is no design for this project at this time.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

This is a non-project application and quantities cannot be fully estimated at this time. The approximate range of volume could be 5-50 cubic yards of spawning gravel or similar material.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

None expected.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No. Lake Washington is a controlled system and not considered to be within a 100-year floodplain.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

None are anticipated. If the design of any project includes temporary discharge of groundwater, for example from construction excavation, a separate environmental review process would be initiated as part of permitting for that project.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

No waste material will be discharged into the ground.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow?

Will this water flow into other waters? If so, describe.

The existing impervious surfaces on the site either disperse runoff for infiltration or collect runoff and send it to drainage systems that discharge into Lake Washington. New impervious surfaces are minor additions and will generally follow the same strategy.

2) Could waste materials enter ground or surface waters? If so, generally describe.

No new sources of waste materials are anticipated from this plan. The installation of a dog off-leash area may concentrate some dog wastes (primarily urine) in one portion of the park. Currently they are dispersed throughout a wider area of the park. The total amount of dog waste is not expected to change.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No. It is not anticipated that the projects identified in this plan will alter drainage patterns. Drainage patterns will remain substantially as they are currently.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

The addition of organic material (i.e. compost, mulch) to the soils throughout the park will substantially increase soil water holding capacity and biological activity. Additional storm water

detention and treatment will result from this improvement. Each project will be evaluated for runoff and storm water management needs.

4. Plants

a. Check the types of vegetation found on the site:

- ☒ deciduous tree: alder, maple, aspen, other
- ☒ evergreen tree: fir, cedar, pine, other
- ☒ shrubs
- ☒ grass
- ☐ pasture
- ☐ crop or grain
- ☐ Orchards, vineyards or other permanent crops.
- ☐ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- ☒ water plants: water lily, eelgrass, milfoil, other
- ☐ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Landscaped areas where vegetation is performing poorly will be renovated. Trees, shrubs and groundcovers will be removed, soils amended with compost and/or organic mulch, and new plants will be replanted. The structure of the park landscape will not substantially change. Forested area will remain forested, shrub areas will remain in shrubs and lawn areas will remain lawn. Approximately 570,420 SF of tree and shrub cover and 19,400 SF of lawn would be removed or altered if all project areas identified area implemented.

c. List threatened and endangered species known to be on or near the site.

None known.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The park will continue to contain an abundance of trees and shrubs very similar to the current composition of the landscape. The structure of the landscape will become more complex as understory plantings are introduced in areas with low species diversity. Removing English ivy in particular and replanting with non-invasive species will also promote landscape complexity. Plant selection will emphasize native and native-like plant species. Pollinator support plants will be introduced as well. Meadow plant communities will be introduced in select areas that are currently lawn. This will also support pollinator species. The presence of invasive English ivy will be significantly reduced

e. List all noxious weeds and invasive species known to be on or near the site.

English ivy *Hedera helix* is a invasive plant that currently dominates the park landscape. It was planted as part of the original construction and has overtaken many tree stands and shrub beds. Other invasive plants on the site include:

- Himalayan blackberry *Rubus armeniacus*
- English holly *Ilex aquifolium*
- Scots broom *Cytisus scoparius*
- Yellow flag iris *Iris pseudoacorus*
- Eurasian Milfoil *Myriophyllum spicatum*

Other noxious weeds may be identified on a specific project site and addressed during design and permitting through the appropriate jurisdiction. State and County regulations regarding noxious weed control will be followed.

5. Animals

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Bolded and underlined indicate presence:

birds: **hawk, heron, eagle, songbirds, other: waterfowl**

mammals: **deer**, bear, elk, **beaver, other: coyote, squirrel, racoon**, etc.

fish: **bass, salmon, trout**, herring, shellfish, other _____

- b. List any threatened and endangered species known to be on or near the site.

Chinook salmon (*Oncorhynchus tshawytscha*), NMFS Threatened

Steelhead (*Oncorhynchus mykiss*), NMFS Threatened

Bull trout (*Salvelinus confluentus*), USFWS Threatened

- c. Is the site part of a migration route? If so, explain.

Yes. The site bisects a flyway migration route that includes Luther Burbank Park and Upper Luther Burbank Park. Also, wild juvenile Chinook salmon enter Lake Washington from the Cedar River during January through June. These small wild fish use the southern shallow shoreline areas of the lake for feeding, protection, and during their migration to the Lake Washington Ship Canal during the summer months. Wild fish also come from the Bear Creek and Issaquah drainages through Lake Sammamish and the Sammamish Slough to Lake Washington. Most of the Chinook salmon coming into the northern end of Lake Washington probably come from the Issaquah hatchery. However, as the numbers of wild fish from the Sammamish system increase, suitable habitat for feeding, migration, and predator avoidance should be available in the north end of Lake Washington as well.

Steelhead: Winter-run and ocean maturing steelhead return as adults to Puget Sound tributaries from December to April. Spawning occurs from January to mid-June with peak spawning occurring from mid-April through May. The majority of steelhead juveniles reside in fresh water for 2 years prior to emigrating to marine habitats, with limited numbers emigrating as 1- or 3-year-old smolts. Smoltification and seaward migration occur principally from April to mid-May. The inshore migration pattern of steelhead in Puget Sound is not well understood; it is generally thought that steelhead smolts move quickly offshore. Little information is currently known about juvenile steelhead use of Lake Washington. WDFW researchers have captured steelhead migrants in the Cedar River from mid-April through the end of May but if or how they use the nearshore area of the lake has not been determined.

Bull trout: Bull trout make use of Lake Washington for migrating; however, the migratory corridor for bull trout is generally not in the nearshore area.

- d. Proposed measures to preserve or enhance wildlife, if any:

The plan preserves plant communities that support wildlife (shrub and forest habitat). It will create new meadow habitats in certain areas which supports pollinator species. Plant selection in the plan will emphasize native and native-like plants, plants with high habitat value and pollinator-support plant species. Minimal shoreline work is anticipated. It would include spawning gravel placement to improve shoreline access for foot traffic.

- e. List any invasive animal species known to be on or near the site.

Norway rat (*Rattus norvegicus*)

There are no invasive fish or other aquatic vertebrates known to occur along the pipeline alignment. Invasive crayfish of the northern, red swamp, and rusty varieties may also be found at or near the site in freshwater.

One invasive invertebrate species, the New Zealand mudsnail, is known to occur in Lake Washington and its tributaries, although it has not been documented in the specific areas of

Lake Washington that will be disturbed by the shoreline access project. The nearest observation of New Zealand mudsnail is in Mercer Slough, greater than 2000 feet from the proposed planning site.

6. Energy and Natural Resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electricity will be used to power restroom utilities and trail lighting. This plan does not involve a significant increase in energy demand.

- b. Would your project affect the potential use of solar energy by adjacent properties?
If so, generally describe.

No.

- c. What kinds of energy conservation features are included in the plans of this proposal?

List other proposed measures to reduce or control energy impacts, if any:

The projected increase in commuting using regional trails for active transportation will reduce the growth in energy consumption for transporation. This plan supports active transportation with regional trail upgrades including capacity improvements, safety improvements and wayfinding.

7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal?
If so, describe.

No.

- 1) Describe any known or possible contamination at the site from present or past uses.

None known.

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None.

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None.

- 4) Describe special emergency services that might be required.

None.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

None.

- b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Traffic noise from Interstate 90 and local streets, airplane noise, boat noise, construction noise from light rail, street repairs and building construction.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Noise from construction equipment during project work. Slight noise reduction from reduced mowing of lawn areas.

3) Proposed measures to reduce or control noise impacts, if any:

Construction will typically follow local codes for noise levels and hours of construction.

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The site is an urban park next to an interstate highway. It is surrounded by residential property primarily, with some multi-family and commercial property in the Town Center portion of the site.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No. There is no conversion of farm or forest lands contemplated under this plan.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No. There is no working farm or forest land in the vicinity that will be affected by or affect this plan.

c. Describe any structures on the site.

Restroom and shop building, picnic shelter, retaining walls, overpasses and other highway structures.

d. Will any structures be demolished? If so, what?

No.

e. What is the current zoning classification of the site?

The park is primarily City and State rights-of-way. The property is excluded from zoning according to City of Mercer Island Code, Title 19 Appendix D.

f. What is the current comprehensive plan designation of the site?

Linear Park (I-90)

g. If applicable, what is the current shoreline master program designation of the site?

Urban Park Environment

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

The City of Mercer Island classifies parts of the site as potential landslide, steep slopes, seismic hazard and potential erosion.

i. Approximately how many people would reside or work in the completed project?

None. There is no residential development in this proposal.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

None.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The proposed plan substantially preserves the natural character of the existing park.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

Not applicable.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None. This proposal does not include residential development.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None.

c. Proposed measures to reduce or control housing impacts, if any:

None.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

Not determined. A single story restroom could be as tall as 16-20 feet above grade. Principal exterior is undetermined but could be similar to the other restroom and picnic shelter at the site which consist of concrete block, wood timber, and standing seam metal roof. Specific designs will be developed as part of future project work.

b. What views in the immediate vicinity would be altered or obstructed?

Minor views of Seattle from a short section of the main multiuse trail could be obstructed by the restroom construction.

c. Proposed measures to reduce or control aesthetic impacts, if any:

Design elements for proposed projects would be compatible with existing structures and/or follow the draft WSDOT style manual for the Mountains to Sound Greenway which includes this site.

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Lighting is anticipated on the Mountain to Sound Trail between Island Crest Way and Shorewood Drive. This could increase light penetration to houses on the north side of North Mercer Way. These houses are located downslope from the trail and typically do not have direct sightlines to the trail. Existing tree and vegetation cover currently would block light from the trail.

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

No. Views for adjacent residences are in the direction of Lake Washington to the north, in the opposite direction from proposed lighting. Views from Shorewood Apartments would remain unaffected because of the distance and large elevation differences between the two sites.

- c. What existing off-site sources of light or glare may affect your proposal?

None.

- d. Proposed measures to reduce or control light and glare impacts, if any:

This plan would maintain street trees along North Mercer Way which would screen lighting from the trail. Trail lighting design would typically utilize engineered lighting products that controls light spillage. Other mitigation measures may be identified during project design.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

walking, biking, art viewing, tennis, basketball, soccer, lacrosse, softball, baseball, power boating, kayaking, canoeing, shoreline access, picnicking, dog walking

- b. Would the proposed project displace any existing recreational uses? If so, describe.

No. The project maintains the existing recreational uses.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Applicant proposes to provide recreational opportunities at levels equal to or greater than what currently exists.

13. Historic and cultural preservation

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

No.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

No. The entire site was heavily disturbed for highway construction in the 1980's and 1990's. It is exceedingly unlikely that any historic cultural resources remain.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. Historic aerial images have been used to document land use changes.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. Specific project locations that are determined to be outside of historic highway construction limits will be subject to consultation with the Muckleshoot Tribe and the Washington Dept. of Archaeology and Historic Preservation.

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

Interstate 90 on Mercer Island serves the subject site at three interchanges. Numerous local streets intersect or parallel the site. The site has open permeable borders along much of its boundary for non-motorized vehicle access. Motor vehicle access is provided by three parking lots at West Mercer Way, 72nd Ave SE and East Mercer Way.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

Yes. Sound Transit and King County Metro run bus services that serve the site for both local and regional transportation. Sound Transit light rail service will begin in 2023.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

The projected range of additional parking spaces is 2-4. No parking would be eliminated.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

The proposal will maintain the existing roads and trails through the site. Large sections of the regional trail in the eastern half of the park will be widened one foot to a 12' width and shoulder clear zones will be re-established. The proposal also includes other trail safety improvements and wayfinding to support active transportation on the regional trail. New paths are anticipated to provide ADA access to certain facilities that do not currently have such access. A new path or a wider trail is also anticipated to mitigate conflicts among trail users in one high traffic area at the sportsfield complex.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The proposal will integrate with light rail transportation that is scheduled to begin in 2023. The proposal will maintain water access for recreational boating but does not anticipate transportation by boat. The proposal maintains the Mercer Island Marine Patrol facility which supports marine traffic safety on Lake Washington.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

The proposal is not expected by itself to increase traffic to or from the site. The site is expected to gain additional traffic as a result of local growth in the population of Mercer Island Town Center and regional

growth in general. Bicycle counter data was reviewed as part of this proposal. No transportation modeling was used to develop this proposal.

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

- h. Proposed measures to reduce or control transportation impacts, if any:

The proposal will improve the function of the Mountain to Sound Regional Trail as an active transportation facility. This provides some mitigation for the anticipated increase in active transportation that can be anticipated from regional growth and state energy policy.

15. Public Services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

The addition of a restroom may result in a slight increase in police and fire incidents.

- b. Proposed measures to reduce or control direct impacts on public services, if any.

The restroom and other projects proposed in the plan will be sited and designed with Crime Prevention through Environmental Design (CPTED) principles.

16. Utilities

- a. Circle utilities currently available at the site:

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Electricity, water, stormwater and sewer utilities will be needed to implement the proposal. City of Mercer Island will provide the water, stormwater and sewer utilities. Puget Sound Energy will provide the electricity.

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Paul D. West

Name of signee Paul D. West

Position and Agency/Organization Parks Capital Projects and Planning Manager

Date Submitted: September 3, 2019

D. supplemental sheet for nonproject actions

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

If all projects in the proposal are developed, a 0.8% increase in impervious surfaces will result. This will increase the amount of surface water discharge from the site.

Proposed measures to avoid or reduce such increases are:

The system for handling additional surface water runoff will be determined at the design phase of the specific project. All project work on WSDOT property must be approved by WSDOT and will follow the agency's design standards. All project work on City property must be permitted through the Mercer Island Community Planning and Development Department and conform to City codes.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

The proposal is likely to benefit plants and animals through improvement of soils and terrestrial habitat. The extent of landscaping of the park will remain similar to the pre-plan, but it will be improved by increased diversity and complexity. Shoreline habitat is likely to remain similar to current conditions. Reducing irrigation of lawn areas may have a slight negative impact on certain animals that forage for soil insects.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

Soil improvement, replanting of vegetation and conservation of viable trees.

3. How would the proposal be likely to deplete energy or natural resources?

The addition of a restroom and trail lighting will increase energy and water usage.

Proposed measures to protect or conserve energy and natural resources are:

Use of energy conservation technology, such as LED lights and low-flow water fixtures.

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

The proposed plan does not substantially change the current use of environmentally sensitive areas or areas of habitat protection. Projects will be designed to be in compliance with all applicable local, state and federal regulations.

Proposed measures to protect such resources or to avoid or reduce impacts are:

None.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

The proposal has a slight impact on shoreline use where it expands shoreline access at the boat launch. Otherwise there is no anticipated change to the shoreline in the proposed plan.

Proposed measures to avoid or reduce shoreline and land use impacts are:

Use of spawning gravels for beach surfacing; other mitigation will be developed at the design phase of this project in conjunction with Washington State Department of Fish and Wildlife guidelines and best practices for aquatic habitat.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

The project does increase the capacity of the regional multi-use trail for active transportation modes (cycling, walking, etc.). This might increase demand slightly for public transportation. This plan may place a slight demand on police services and energy usage as a result of a new restroom facility (see above). Trail lighting may increase energy usage but decrease the demand for police services slightly.

Proposed measures to reduce or respond to such demand(s) are:

Transit integration for public transportation will include active transportation.

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

No conflicts with environmental regulations are anticipated.