Snohomish County Public Works

ENVIRONMENTAL CHECKLIST

Project Number: RC 7399
UPI# 13-0045-1

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.

SUMMARY

A. BACKGROUND

1. Name of proposed project:
   Manor Way Pedestrian Improvements

2. Name of applicant:
   Snohomish County Public Works
   Engineering Services Division

3. Address and phone number of applicant and contact person:
   Snohomish County Public Works
   3000 Rockefeller Avenue, M/S 607
   Everett, WA 98201
   
   Contact Person: Mary Auld, Environmental Planner
   Transportation and Environmental Services
   (425) 388-3488 ext. 4510

4. Date checklist prepared:
   August 27, 2014

5. Agency requesting checklist:
   Snohomish County Public Works
   Transportation and Environmental Services Division
6. Proposed timing or schedule (including phasing, if applicable):

   The project is scheduled to be constructed in two phases. The Phase 1: Shoulder Improvement is scheduled for construction in 2015.

   The Phase 2: Full Corridor Improvement is scheduled for construction in 2020.

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

   No other future additions, expansion, or further activities have been identified at this time.

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

   A Critical Area Study, will be prepared in 2014-2015 by Snohomish County.
   A Geotechnical Memorandum will be prepared by Snohomish County in 2014-2015.

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.

   No applications are pending.

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

   The following permits and approvals may be required:

   **Permit/Approval:**  
   **Required from:**

   - Land Disturbing Activity (LDA) and Drainage Approval  
     Snohomish County Public Works

   - Critical Area Regulations (CAR)  
     Snohomish County Public Works

   - Hydraulic Project Approval (HPA)  
     Washington State Department of Fish and Wildlife

   - National Pollution Discharge Elimination System (NPDES)  
     Washington State Department of Ecology

   - Section 401 Water Quality Cert.  
     Washington State Department of Ecology

   - Section 404 Permit  
     Army Corps of Engineers

11. Give a brief, complete description of your proposal, including the proposed uses and the size of the project and site.

   The proposed project is to widen Manor Way between 164th Street SW and 156th Street SW in Snohomish County. This road is just north of the Lynnwood city limits west of Interstate 5.

   Manor Way is classified as an Urban Collector Arterial and serves approximately 7,000 vehicles a day. This section of Manor Way consists of two 10-foot wide lanes,
with additional turn lanes at the signalized intersection of 164th St SW. Pedestrian facilities include intermittent sidewalks, shoulders and bike lanes.

Snohomish County Public Works proposes to widen the road to construct a center turn-lane, bike lanes, curb, gutter, sidewalk and planter strips along with detention and water quality facilities. This project will upgrade the road to meet current County Engineering Design and Development Standards (EDDS) and improve conditions for drivers, bicyclists, and pedestrians.

This project is planned to be constructed in two phases:

**Phase 1--Shoulder Improvements**, will add a five-foot wide paved shoulder to the west side of Manor Way, ½ mile north of 164th Street SW. Approximately 500 feet of shoulder would be constructed. Phase 1 is planned to be constructed in 2015.

**Phase 2--Full Corridor Improvement**, will widen Manor Way between 164th Street SW and 156th Street SW. The widening will include a continuous, center turn-lane, bike lanes, planter strips and sidewalks on both sides of the road. Curbs, gutters and enclosed storm drainage will be included for the length of the project. Stormwater treatment for flow control and water quality will be improved to comply with current standards. Increased roadway illumination is also planned as part of the project. Phase 2 is anticipated to be constructed in 2020.

12. Location of proposal:

The proposed improvements are to Manor Way between 164th Street SW and 156th Street SW. The project site is located in southwest Snohomish County, west of Interstate 5 between the cities of Lynnwood and Mukilteo. Manor Way is located in Sections 2, 3 Township 27N Range 4E, W.M.

**B. ENVIRONMENTAL ELEMENTS**

1. Earth

   a. General description of the site: flat, rolling, hilly, steep slopes, mountainous, other.

      The area around Manor Way is generally flat to rolling. The ground to the west slopes up toward SR 525. To the east, the ground is flat and then slopes down toward Swamp Creek.

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

      Manor Way is generally flat. Side slopes in some locations are as steep as 50 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.

      Soils in the vicinity of Manor Way are classified as Alderwood-Urban land complex. This unit is about 60 percent Alderwood gravelly sandy loam and about 25 percent...
Urban land. Included in this unit are small areas of McKenna and Norma soils and Terric Medisapristes in depressional areas and drainage ways. Alderwood soil is moderately deep over a hardpan and is moderately well drained. It formed in glacial till.

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

There are no indications or history of unstable soils in the immediate vicinity. A geologic investigation of the project area will be completed.

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

**Phase 1:**
The first phase will widen the west side of Manor Way to create a walkway. The widening of the roadway will require fill material. The area of fill is approximately 0.10 acres. Fill type will be gravel borrow, crushed surfacing material, and asphalt. The approximate quantity of total fill material is 300 cubic yards. The fill will be from approved sources as supplied by the contractor.

**Phase 2:**
Phase 2 will widen both sides of Manor Way to include a center turn lane and sidewalks on both sides of the road. Approximately 1.2 acres will be affected. This widening will require fill material. Fill type is gravel borrow, crushed surfacing, and asphalt. Approximate quantity of total fill material for Phase 2 is 4,000 cubic yards. The fill will be from approved sources as supplied by the contractor.

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

Minor amounts of erosion may occur during construction if appropriate erosion control practices are not utilized. This will be minimized and addressed in the Stormwater Pollution Prevention Plan. Temporary Erosion and Sedimentation Control Best Management Practices (BMPs) would be used for temporary erosion and pollution control to minimize impacts from construction. No erosion would result from use of the completed improvements.

g. About what percent of the site will be covered with impervious surfaces after project construction?

Phase 1 will add 2,500 square feet to the existing 10,000 square feet of impervious surface within project limits.

Phase 2 will add 45,000 square feet to the existing 75,000 square feet of impervious surface within project limits.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

No significant adverse impacts are anticipated. All project activity would be subject to Best Management Practices (BMPs) and would comply with the provisions of all applicable permits. Stormwater detention and water quality treatment are required for this project. BMPs would be used during construction to prevent erosion. These
BMPs would be in place around stockpiles of excavated fill and would prevent sediments from entering surface water and storm drainage systems. In addition there would be seeding and planting of bare soil areas after establishment of final grades.

Best Management Practices may include, but are not limited to the following:

- A temporary erosion and sedimentation control plan would be implemented during construction.

- In Phase 2, walls will be used to minimize fill impacts to the wetlands.

- Protective covering would be placed over exposed soil areas to prevent sediments and other contaminants from entering the roadside ditches, streams, and wetlands. Protective covering would be clear plastic sheeting, straw mulch, jute matting, or erosion control blanket per Department of Ecology requirements.

- Erosion and sedimentation control measures would be routinely inspected, maintained and repaired. Damaged or inadequate erosion and sedimentation control measures would be corrected quickly.

- Any bare soil that may result from project activity would be reseeded with an appropriate erosion control seed mix immediately following construction.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile odors, and industrial wood smoke) during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

   Construction equipment, construction-related activities, and vehicles carrying workers and equipment to and from the site would result in minor, temporary increases in emissions and dust. There would be no increase in emissions once construction is complete.

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

   No.

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

   During construction, equipment emissions would not exceed state and national air quality standards. The project would use only equipment and trucks in optimal operational condition. Dust control measures would be implemented to minimize airborne dust.

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.

   There is a large wetland on the west side of Manor Road approximately 0.25 miles north of 164th Street. This wetland (Wetland A) is on undeveloped property. It is dominated by red alder and salmonberry in the overstory and soft rush, creeping buttercup and Himalayan blackberry in the understory.

   Two streams cross under Manor Way on the north end of the project area and flow east toward Swamp Creek. Swamp Creek is approximately 0.4 miles east of Manor Road. The creek is parallel to Manor Way and flows south. Swamp Creek begins at Lake Stickney near Everett and ends in Kenmore at the Sammamish River which then flows into Lake Washington.

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. Work will be within 200 feet of Wetland A.

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.

   **Phase 1--Shoulder Improvement:**
   The first phase will require a minor amount of fill material (less than 1 cubic yard) to be placed in the wetlands to accommodate the shoulder widening. Fill material would be obtained from approved gravel borrow sites meeting Washington State Department of Transportation (WSDOT) specifications. There will be minor impacts to the wetland buffer to construct the shoulder.

   **Phase 2--Full Corridor Improvement:**
   The second phase will require approximately 140 cubic yards of fill material to be placed in the wetlands to accommodate the roadway widening. Fill material would be obtained from approved gravel borrow sites meeting Washington State Department of Transportation (WSDOT) specifications. If possible, fill in the wetland will be minimized with the use of a retaining wall.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.
   The project will not require surface water withdrawal or diversions.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
   The project area is not 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.
   No.
b. Ground

1) Will ground water 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.
   N/A

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.
   N/A

c. Water Runoff (including storm water)

1) Describe the source of runoff (including stormwater) 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 source of runoff will be from rainfall onto the project site. The proposed drainage system will be a series of catch basins and storm pipe designed to collect runoff from the project area and direct it to the necessary stormwater treatment and detention facilities where required or directly to the downstream conveyance systems.

2) Could waste materials enter ground or surface waters? If so, generally describe.
   No.

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

   Wetlands would be impacted by construction of the proposed shoulder in Phase 1 and the full widening in Phase 2. Walls would be used to reduce impacts to the wetlands. Impacts will be minimized to the greatest extent possible.

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

   Limits of clearing and grading will be posted prior to any site disturbance. During construction, surface water runoff would be controlled by erosion-control Best Management Practices (BMPs). Temporary measures including, but not limited to, silt fences and other measures will be employed to control and minimize runoff and impacts to water quality. All cleared areas will be seeded, covered with mulch or otherwise stabilized in accordance with BMP’s.

4. Plants

a. Check types of vegetation found on or in close proximity to the site:
deciduous trees: Red Alder, Willow, Bigleaf maple
evergreens: Western red cedar, Douglas fir, Western Hemlock
shrub: vine maple, oso-berry, sword fern, red elderberry, salmonberry, Indian plum, Himalayan blackberry
grass: a variety of non-native grasses including bentgrass, tall fescue, soft rush
pasture:
crop or grain:
orchards, vineyards or other permanent crops:
wet soil plants: spirea, buttercup, willow
water plants: water lily, eelgrass, milfoil, other
other types of vegetation: non-native ornamentals, lawns and street trees are found along Manor Way

b. What kind and amount of vegetation will be removed or altered?
Clearing and grading associated with construction of the shoulder and road widening will remove vegetation within the County right-of-way. Native and ornamental plants along the roadway will be removed for construction.

c. List threatened or endangered plant species known to be on or near the site.
None are known to be on or adjacent to the project site. If such plant species are found, all project work would comply with the requirements of the Endangered Species Act and other applicable regulations.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation of the site, if any:
Native and non-native vegetation will be preserved where possible along the corridor. Loss of, and disturbance to, vegetation would be minimized to the extent practicable. Clearing limits would be identified in project plans and highly visible fencing would mark the clearing limits during construction. Mitigation for impacts to streams, wetlands, and buffers will occur as needed.

In Phase 2 a landscaped planter strip is proposed.

e. List all noxious weeds and invasive species known to be on or near the site.
Himalayan blackberry is found in the project area.

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. Examples include: (shown in bold type)
birds: hawks, heron, eagle, songbirds, other: owls, ducks, woodpeckers
mammals: deer, bear, elk, beaver, other: opossum, raccoon, coyote, small rodents,
fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened or endangered wildlife species known to be on or near the site.
None known.
c. Is the site part of a migration route? If so, explain.
   Yes. The site is within the Pacific Flyway. Migratory waterfowl can be observed in
   the greater project vicinity.

d. Proposed measures to preserve or enhance wildlife, if any:
   Project construction would occur primarily during the summer months when
   rainfall is minimal. This will minimize erosion and prevent sedimentation of surface
   waters that could adversely affect downstream fish. Bare soil areas would be
   revegetated and planted after site grades have been established. Wetland mitigation
   areas will be designed to enhance habitat. Mitigation areas will be planted with
   native trees and shrubs.

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.
      N/A

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

   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:
      N/A

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 potentially hazardous materials have been identified at or in proximity to the
      project area. Fuel spills and other construction-equipment fluids could potentially
      occur during construction. Minor amounts of fuel would be used by construction
      equipment during site clearing and grading activities.

1) Describe any known or possible contamination at the site from present or past uses.
   No potentially hazardous materials have been identified at or in proximity to the
   road widening. The closest Confirmed or Suspected Contaminated Site on the
   Environmental Protection Agency (EPA) list is 0.5 miles west of the site.

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.
   A gas line runs under Manor Way for the entire length of the project area.
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. Fuel spills and other construction-equipment fluids could potentially occur during construction. Spill control and clean-up material would be staged onsite. The crew leader or other designated person would have a spill control plan and be trained in spill prevention and clean up. All equipment would be well maintained and in good repair to prevent the loss of any petroleum products. Refueling and vehicle maintenance would generally occur off-site.

4) Describe special emergency services that might be required.
   No special emergency services are anticipated. Emergency response vehicles may be required in the event of a construction accident. The completed project would not require any additional emergency services.

5) Proposed measures to reduce or control environmental health hazards, if any:
   Spill control and clean-up material would be staged onsite. The crew leader or other designated person would have a spill control plan and be trained in spill prevention and clean up. All equipment would be well maintained and in good repair to prevent the loss of any petroleum products. Refueling and vehicle maintenance would generally occur off-site.

   An Environmental Site Assessment would be prepared prior to the construction to address any potential soil contamination or other hazardous materials on site. If any hazardous materials are discovered during project construction, they would be handled and disposed of according to adopted Washington State and local codes governing their disposal.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, aircraft, other)?
   No noise in the area would affect the proposed shoulder or road widening.

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.
   During construction, there would be short-term impacts associated with increased noise from trucks and heavy equipment. Work, unless of an emergency nature, will take place during daylight hours, generally between 7:00 a.m. and 6:00 p.m., Monday through Friday. Construction would involve cut and fill activities, removing or reconditioning the existing roadway and paving. The most prevalent noise source at a construction site is the internal combustion engine. Other noise sources would include equipment and tools such as jackhammers.

   Typical noise associated with the roadway is expected. The proposed project would not increase vehicle capacity as no new traffic lanes are proposed. There would be no long-term noise impacts from the completed project.
3) Proposed measures to reduce or control noise impacts, if any:
   None proposed.

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 property adjacent to Manor Road includes commercial, multifamily residential and single family residential. The walkway and widened road will improve pedestrian use and access to the properties on both sides of Manor Road.

b. Has the 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 non-farm or non-forest use?
   Manor Way is in an urban, developing area. There are no farmlands or working forests in the vicinity of the project.

c. Describe any structures on the site.
   The site is road and adjacent road right of way. There are no structures in the project area.

d. Will any structures be demolished? If so, what?
   No structures will be demolished.

e. What is the current zoning classification of the site?
   The current zoning for the property adjacent to Manor Way is Business Park, and Low Density Medium Residential.

f. What is the current comprehensive plan designation of the site?
   The current comprehensive plan designation for this area is “Urban Center”. North of 156th Street SW the area is designated as “Urban Medium Density Residential”.

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

h. Has any part of the site been classified critical area by the city or county? If so, specify.
   Snohomish County designates streams, wetlands, geologically hazardous areas (erosion, landslide, volcanic, seismic and mine hazard areas), and fish and wildlife habitat as critical areas. There are environmentally sensitive areas within the project site: Wetland A, and two small streams have been identified within the project area. Wetland A is located on the west side of Manor Way approximately 0.5 miles north of 164th Street SW. There are two small streams on the east side of Manor Way at the north end of the project site.

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

   It is anticipated that the project would not displace residents. The project would be
   located primarily within existing Snohomish County right-of-way. Right-of-way
   acquisition will be needed to accommodate the proposed widening. The project may
   also require temporary construction easements.

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

   If acquisition or displacement becomes necessary, a complete and detailed set of
   relocation and right-of-way plans would be developed. Chapter 8.25 and 8.26 of the
   Revised Code of Washington would govern right-of-way acquisition proceedings.
   These laws ensure fair and equitable treatment of those displaced. In addition,
   right-of-way purchases would be in accordance with Civil Rights Act Title VI
   legislation and the federal Uniform Relocation Assistance and Real Property
   Acquisition Policies Act of 1970 as amended (42 U.S.C.). These laws would provide
   payment for reasonable and necessary costs to relocate persons displaced by the
   project and ensure prompt and fair relocation payments and requires agency review
   of aggrieved parties. Acquisition proceedings include appraisal, determination of
   just compensation, presentation of an offer and compensating the individual.
   Acquisition proceedings within the project vicinity would not be initiated until the
   environmental review process has been completed.

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

   This project is consistent with the Snohomish County Growth Management Act
   Comprehensive Plan – 2007 Transportation Element. It was also identified in the
   Snohomish County Transportation Improvement Plan (TIP) for 2014-2019.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest
   lands of long-term commercial significance, if any:

   N/A

9. Housing

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

   None.

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 proposed

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?
   None.

b. What view in the immediate vicinity would be altered or obstructed?
   Loss of vegetation along the corridor will alter the view from the road. Clearing will be minimized as much as possible and limited to that needed for construction.

c. Proposed measures to reduce or control aesthetic impacts, if any:
   Planter strips will be included in Phase 2 of this project.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
   None. Additional luminaires (street lights) are planned to be installed in Phase 2.

b. Could light or glare from the finished project be a safety hazard or interfere with views?
   No.

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:
   None proposed.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?
   There are no parks or other recreational uses of this area.

b. Would the proposed project displace any existing recreational uses? If so, describe.
   No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
   None proposed

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, site, or local preservation registers located on or near the site? If so, generally describe.
   This area is primarily residential with several commercial properties. The age of houses adjacent to the road range from 1925 to the 2000s. The majority of the house
were constructed in the 1960s. No structures are expected to be impacted by the road widening.

The project site was screened by Snohomish County Public Works to determine the project’s proximity to known archaeological and cultural sites. There are no known recorded sites located where potential ground disturbance activities are anticipated, and there are no recorded archaeological sites, or known places or objects listed on or proposed for national, state, or local registers in the greater project area.

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 a: the site to identify such resources.

There are no landmarks, features, or other evidence of Indian or historic use or occupation located at the project site, including human burials or old cemeteries. There is no material evidence, artifacts, or areas of cultural importance on or near the site.

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 Archaeology and Historic Preservation, archaeological surveys, historic maps, GIS data, etc.

A preliminary cultural resources screening was constructed using archaeological site GIS data provided to Snohomish County by the Washington State Department of Archaeology and Historic Preservation (DAHP) as part of a data sharing agreement. No recorded sites were found as part of this preliminary screening.

d. Proposed measure 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.

Compliance with Section 106 National Historic Preservation Act would be required as part of the application for Army Corps of Engineers Section 404 authorizations.

Although no known archaeological sites are in close proximity to the project, there is still a possibility that cultural resources could be present. If, during construction, cultural resources are found, a systematic collection of artifacts would be made before proceeding with the work and the Department of Archaeology and Historic Preservation would be contacted. If artifacts are uncovered within the project area, work in that area would be stopped and a professional archaeologist would be brought in to examine them. During construction the contractor would monitor the site for potential cultural materials. If artifacts or human remains are uncovered within the project area, work would stop until a qualified archeologist can make an assessment.

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.

The project is to improve Manor Way between 164th Street SW and 156th Street SW.
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?

There is no transit service along Manor Way between 164th Street SW and 156th Street SW. However, 164th Street SW (the southern limit of the project) is identified in Community Transit’s Emphasis Corridor.

Existing Transit Facilities near the project include two large Urban Park and Rides and a Park and Pool lot. The Park and Pool lot is located at the south end of the project; the Swamp Creek Park and Ride is 0.3 miles west, and the Ash Way Park and Ride is located 0.6 miles east and north. There are no expected changes or modifications to the roadway at the Park and Pool lot.

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

N/A

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)

This project will improve Manor Way between 164th Street SW and 156th Street SW.

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

N/A

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 or non-passenger vehicles). What data or transportation models were used to make these estimates?

None. This project will not increase vehicular capacity on Manor Way. No new travel lanes are proposed.

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.

N/A

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

None proposed.

15. Public Services

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

No.
b. Proposed measures to reduce or control direct impacts on public services, if any.

None proposed. Traffic control during construction would be planned, sequenced, and administered to allow continuation of basic services during construction activities in the public right-of-way. The existing roadways in the project area would remain open to traffic during construction, although traffic may potentially be subject to one-lane closures to avoid conflicts with construction that could pose a safety hazard. There could be potential short-term closures of existing roadways.

16. Utilities

a. Utilities currently available at the site:

Existing utilities within project limits include Alderwood Water and Wastewater District (water/sewer), Black Rock (cable), Comcast (cable), Frontier Communications (phone, internet), Puget Sound Energy (Gas), Snohomish County Public Works, Snohomish County PUD (power).

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.

Utility relocations will be part of the work within project limits. All construction will be designed to minimize disruptions and relocation of existing utilities. Detailed information will be requested from each utility provider during the design phase.

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]

Mary Auditor, Senior Environmental Planner

Date Submitted: August 27, 2014