

ENVIRONMENTAL CHECKLIST

for

TUKWILA SCHOOL DISTRICT

Tukwila Elementary School Renovations and Addition

January 24, 2019

Prepared For:

**Dr. Lester "Flip" Herndon, Interim Superintendent & SEPA Official
Tukwila School District
4640 South 144th Street
Tukwila, WA 98168**

Prepared By:

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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:
Tukwila Elementary School Renovations and Addition
2. Name of applicant:
Tukwila School District
3. Address and phone number of applicant and contact person:
Applicant:
Tukwila School District
Dr. Lester “Flip” Herndon, Interim Superintendent & SEPA Official
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4. Date checklist prepared:
January 24, 2019
5. Agency requesting checklist:
Tukwila School District
6. Proposed timing or schedule (including phasing, if applicable):
Construction is anticipated to begin in late spring/early summer of 2019 and conclude in fall of 2019, assuming land use approval in spring of 2019, and building permit issuance in spring of 2019.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
No, all plans for Tukwila Elementary School are described in this SEPA Checklist.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
Prepared:
- Technical Information Report prepared by AHBL dated October, 2018
- Geotechnical Report prepared by Shannon and Wilson dated August 27, 2018
- Draft Traffic and Access Review prepared by Heffron Transportation dated Dec. 16, 2018
- Photometric/Lighting Analysis prepared by Tres West Engineers, Inc. dated January 2019

To be Prepared:

-Temporary Erosion Control Plan to be prepared with final design.

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.

There are no other known proposals or pending approvals.

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

City of Tukwila

Conditional Use Permit

Administrative Design Review

Building Permits

Site Development Permits

Fire Protection System Permits

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 Tukwila School District proposes renovations and improvements to the existing 61,220 square foot Tukwila Elementary School to add an Early Childhood Education and Assistance Program (ECEAP) program. The program will accommodate 80 pre-school age children (likely 40 in the AM program and 40 in the PM program). A summary of project elements is listed below:

- **Add two new classrooms in one modular building totaling 2,224 square feet with a courtyard area south of the existing main building and a connecting corridor.**
- **Improve existing play area connected to Early Learning Center and enlarge to accommodate more students, including adding new covered play area, new surfacing, new storage area, new fence, and additional plantings.**
- **Add overflow parking area for 28 new spaces in currently undeveloped area in NE of site. Eliminate one existing parking stall.**
- **Modify bus loop in northwest of site to improve bus turning radius.**
- **Integrate new landscaping around new construction areas, including new overflow parking areas, new classroom area, and expanded Early Learning Center play area**
- **Renovate interior of existing pre-school classrooms/Early Learning Center area in SE area of main building and add toilets to classrooms.**
- **Relocate baseball field backstop from the field that the parking area is replacing.**

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.

Tukwila Elementary School is located at 5939 S 149th St., Tukwila, WA 98168, on Parcel No. 3597000120.

The legal description for this parcel is: INTERURBAN ADD TO SEATTLE TRACT 6 OF INTERURBAN ADDITION TO SEATTLE LESS N 20 FT LESS E 150 FT AND UNPLATTED STRIP LY W OF TRACT 6 & E OF W LINE OF 59TH AVE S SOUTH OF S 149TH ST AND N OF EXTENDED N LINE OF TRACT 40 BROOKVALE GARDEN TRACTS & UNPLATTED STRIP LY W OF W LINE OF TRACTS 6 AND 7 AND EAST OF EXTENDED C/L OF 59TH AVE SOUTH LY BETWEEN EXTENDED N AND S LINE OF TRACT 40 BROOKVALE GARDEN TRACTS TGW TRACT 7 INTERURBAN ADDITION TO SEATTLE LY W OF LINE EXTENDED FROM POINT ON N LINE OF TRACT 155.64 FT E OF NW CORNER OF E 1/2 OF SAID TRACT TO POINT ON S LINE OF SAID TRACT 156.52 FT E OF SW CORNER OF E 1/2 OF SAID TRACT TGW E 202 FT OF TRACT 39 OF BROOKVALE GARDEN TRACTS AND UNPLATTED STRIP LY E OF TRACT 39 & W OF INTERURBAN ADDITION TO SEATTLE & BETWEEN ELY PRODUCTION OF N & S LINES OF SAID TRACT TGW TRACT 40 LY E OF LINE WHICH IS 25 FT E OF AND PLW SLY PRODUCTION OF C/L OF 58TH AVE SOUTH IN TRI VISTA TERRACE AND UNPLATTED STRIP LY E OF TRACT 40 & W OF EXTENDED C/L OF 59TH AVE S & BETWEEN ELY PRODUCTION OF N & S LINES OF SAID TRACT - PARCEL 1 OF CITY OF TUKWILA LOT CONDOLIDATION NO L99-0031 RECORDING NO 9906239004

Plat Block:

Plat Lot: 6-7 &

The project site is located in Section 23, Township 23, Range 4. A vicinity map showing the location of the project site is included below.



Site and Vicinity

B. Environmental Elements

1. Earth

a. General description of the site:

The existing school and proposed improvements are located on a generally flat area that includes interior and perimeter landscaping. Some steeper slopes exist in the southwest portion of the site but will be unaffected by the proposal.

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

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

While the majority of the site is flat, some slopes of up to 40% exist in the southern portion of the parcel; these slopes will be unaffected by the proposal.

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.

Subsurface Conditions found by the Geotechnical Report prepared by Shannon and Wilson, Inc. include a thin layer of topsoil, underlain by both reworked and native material. The reworked material consists of glacial till and the native material is glacial till and clay deposit. The soils can be characterized as medium dense to very dense, clayey sand with

gravel and cobbles. No contaminated soils were found. There are no soils of agricultural significance.

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

No, there is no known history of unstable soils on site or in the vicinity.

- 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.

In total, approximately 600 cubic yards of cut and 200 cubic yards of fill is proposed. Source of fill will be reuse of onsite soils.

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

Minimal erosion could occur as a result of grading and construction. A Temporary Erosion and Sediment Control Plan (TESC) will be prepared.

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

The quantity of impervious surface will increase by approximately 8,000 square feet, resulting in impervious surface coverage of 31.7% at project completion.

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

Various recommendations are included in the Geotechnical Report prepared by Shannon and Wilson, Inc. related to foundation design, seismic design, earthwork, and use of on-site soils.

A Temporary Erosion and Sediment Control Plan (TESC) will be prepared by AHB, Inc.. Best Management Practices (BMPs) will also be implemented in accordance with the recently adopted 2016 King County Surface Water Design Manual.

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.

Construction activities may result in short-term increases in dust and emissions. Post-construction, emissions will not increase from existing levels.

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

There are no known or observed offsite sources of emissions or odor.

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

During construction, BMPs will be used, such as dust control, water sprays, minimizing vehicle speeds, covering soil piles, and turning off equipment when idle.

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.

No, there are no surface water bodies on the site or in the vicinity.

- 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.

No work will occur within 200 feet of surface water body.

- 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.

Not applicable; no water bodies will be affected by the proposal.

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

No, the proposal will not involve any surface water withdrawals or diversions.

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

No, the project is not within an identified floodplain. No floodplains are mapped in the vicinity by the City of Tukwila or FEMA.

- 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, there will be no discharges to surface waters.

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 groundwater will be withdrawn and there will be no discharges to groundwater.

- 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.

Not applicable, the site is connected to sanitary sewer.

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 drainage system for the project site consists of a series of catch basins, manholes, and pipes, and the improvements will largely use the existing system. Runoff generated in the new drive and parking areas on the west side of the existing building will be captured by proposed catch basins, treated in Stormtech chambers, and connected to existing catch basins. Runoff generated in the extended play area will be captured by an existing area drain. The new modular classrooms will have roof drains that lead to two raised bioretention planters and discharge to a new catch basin.

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

No, it is not anticipated that any waste materials will enter ground or surface waters.

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

No, the existing drainage patterns on the site will be maintained.

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

Stormwater will be managed onsite as required in the City's adopted 2016 King County Surface Water Design Manual. The project is considered a large project and triggers Core Requirements (CR) E1 through 9 and Special Requirement (SR) #1 through 5 of the King County Manual. The project will adhere to Best Management practices (BMPs), such as:

- **Tree protection and high visibility plastic fencing,**
- **Stabilized construction entrance,**
- **Silt fencing, straw wattles, interceptor dikes or other perimeter protections,**
- **Catch basin inlet protections on existing and proposed catch basins, an**
- **Control of pollutant sources**

4. Plants

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

- X** deciduous tree: alder, maple, aspen, other
 X evergreen tree: fir, cedar, pine, other
 X shrubs
 X 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?

The addition of a parking area in the northeast portion of the site will result in the removal of some existing trees and lawn.

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

There are no known threatened and endangered species on or near the site.

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

New landscaped areas will be installed in association with the new parking and bus loop areas, including parking island planting, buffer plantings, and bioretention plantings. A small amount of new landscaping will be included adjacent the new play area and modular classroom additions. A landscaping plan has been prepared and provided to the City with the Conditional Use Permit application.

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

There are no known noxious weeds and invasive species on or near the site.

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:

birds: hawk, heron, eagle, **songbirds**, other:
mammals: deer, bear, elk, beaver, other: **small rodents**
fish: bass, salmon, trout, herring, shellfish, other _____

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

According to the Washington State Department of Fish and Wildlife (WDFW) mapping services, there are no threatened or endangered animal species on or near the project site.

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

The site is located within the Pacific Flyway for migratory birds.

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

No measures are proposed.

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

None known.

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.

No new forms of energy are proposed; the current system will be used. Heat Pumps may be replaced.

b. Would your project affect the potential use of solar energy by adjacent properties?

If so, generally describe.

No, the proposal includes only a small building addition adjacent to the existing building at approximately 18 feet in height. It will not affect the potential use of solar energy.

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:

None known at this time.

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.

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

No contamination is known to be at 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.

There are no indications of hazardous chemicals/conditions on the site that will affect project development. According to the National Pipeline Mapping System, there are no gas or hazardous liquid transmission pipelines in the 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.

Not Applicable; no special emergency services are required.

4) Describe special emergency services that might be required.

No additional or special emergency services are required as a result of the proposal.

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

None proposed.

b. Noise

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

The project will not be affected by existing noise in the area. There are no sources of noise in the area beyond what is normally associated with Elementary Schools in a residential area.

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.

Construction activity may cause noise in the short-term. Noise levels will not exceed the maximum permissible sound levels allowed per Tukwila Municipal Code (TMC) Chapter 8.22.

Post-construction, noise is expected to remain unchanged from the current condition. The site currently generates noise that is typical for elementary schools, including noise from vehicles and buses during school start and end times, and children at recess.

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

Construction hours will normally occur during the “daytime” hours, as defined by TMC 8.22.020. Operations will occur weekdays between 7:00 am and 8:00 pm, in accordance with City regulations. Work on Saturdays will be restricted to between the hours of 8:00 am and 6:00 pm. No work will occur on Sundays with prior City permission. During construction, machines will be turned off when not in use. Stationary equipment will be located away from receiving properties, and portable noise barriers around stationary equipment may be erected. Contractors will be instructed to maintain all equipment and to avoid unnecessarily loud noises.

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 currently used for Tukwila Elementary School.

Adjacent Uses include:

- **West: Single-Family Residential**
- **South: Multi-Family Residential**
- **East: Single-Family Residential**
- **North: Single-Family Residential**

The proposal is a continuation of the existing use and will have no impact of the land use of the site or the land use of surrounding properties.

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?

The site has been not been used as a working farm or forest land to our knowledge.

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, the school is located in an urbanized area.

c. Describe any structures on the site.

The elementary school exists on site, which is 2-stories and 61,220 square feet.

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

No structures will be demolished as part of the proposal.

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

LDR/ Public Recreation Overlay

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

LDR/ Public Recreation Overlay

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

Not applicable

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

No critical areas are mapped on site by the City or the County.

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

Currently, Tukwila Elementary School has 52 staff members. As a result of this proposal, 3 full time staff are expected to be added, for a total of 55. There is no residential component to this proposal.

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

Not Applicable; no employees or residents will be displaced.

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

Not Applicable; no employees or residents will be displaced.

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

The addition of the modular building and play area will not change the compatibility of the existing school with existing and projected land uses and plans. It will be designed to enhance the function and aesthetic appearance of the school. The new parking and modified bus loop areas will include new landscaping. The addition is located to the south and in the center of the existing school and a good distance from property lines. The additions and other site improvements will require Conditional Use and Design Review Approval by the City of Tukwila. Approval of Conditional Use Permit requires compliance with criteria that ensures consistency with the Comprehensive Plan goals and policies, compatibility with the neighborhood, and no harm to the safety and general welfare of the community.

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

No impacts are anticipated, as the properties are located in an urban environment and there are no agricultural or forest lands in the nearby area.

9. Housing

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

Not applicable, no housing is associated with this project.

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

Not applicable, no housing will be eliminated.

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

Not applicable.

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?

The building will be a maximum of 18 feet in height. Exterior materials, textures and colors will match the existing elementary school building.

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

The building additions are not in view of adjacent properties and will no taller than the existing school. No views would be altered or obstructed as a result of the proposal.

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

The new modular building will be designed to blend with the form and materials of the existing school. Other site improvements such restoration planting areas enhance the aesthetics of the site. The proposed project is subject to administrative design review to ensure compatibility with the site and vicinity, and ensure consistency with Tukwila design criteria.

11. Light and Glare

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

The proposal will not increase light and glare beyond existing conditions. Two light poles will be added in association with the expanded parking area in the northeast. And light fixtures will be added to the new modular building.

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

No, any new lighting will not spillover to adjacent areas or interfere with views.

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

None known.

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

New light poles in the parking area will be shielded and cast downward. At the new modular addition, the only new lighting fixtures are small, LED fixtures outside of modular additions. These lights are not near adjacent properties and will not increase lighting impacts. See photometric/lighting analysis for additional information.

12. Recreation

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

Tukwila Elementary School has a recreation area to the southwest of the school that includes a grass area, baseball field, and playground.

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

The reconfiguration of the bus loop in the northwest area of the school will eliminate a portion of the grass area near the existing baseball field. The baseball field backstop will be moved and oriented away from the new bus loop to avoid conflict.

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

The baseball field backstop will be moved and oriented away from the new bus loop to avoid conflict. The existing play area connected to early learning program will be enlarged to accommodate more students, including adding new covered play area, new surfacing, new storage area, new fence, and additional plantings.

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.

The existing school structure was built in the year 2000. The building is not identified on the State of Washington Historic Property Inventory list.

- 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, according to the Washington State Department of Archaeology and Historic Preservation (DAHP) WISAARD database, there are no landmarks or evidence of Native American or historic use/occupation on the site or in the area.

- 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.

Consultation with the WISAARD database was used to evaluate potential resources and impacts.

- 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.

No impacts or disturbance to cultural or historic resources are expected. If cultural or archeological objects are found during site preparation work, the Washington State Department of Archaeology and Historic Preservation will be notified, and all site work will stop.

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 site is located at 5939 S 149th Street, in Tukwila. The site is accessed from three driveways on S 149th Street, which provides access beyond the site to 62nd Avenue S, 59th Avenue S, and S 147th Street. The proposal would not change access to the existing street system.

- 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?

King County Metro Transit provides bus service in the larger Tukwila vicinity. The nearest stops are located over a half-mile from the site. Stops are located south of the site at the Southcenter Boulevard / 62nd Avenue S, northeast of the site on Interurban Avenue S (at 58th Avenue S), and about ¾-mile northwest of the site at S 144th Street / Macadam Road S. The stops at Southcenter Boulevard are served by Route 150 and RapidRide F-Line service; stops on Interurban Avenue S are served by Routes 150 and 154; and the stop at Macadam Road S is served by Route 128.

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

As part of the project, site improvements are planned that would expand and enhance the school-bus load/unload area and add staff parking on the western portion of the site; the main parking lot would also be expanded to increase parking supply. In total, the project would increase parking supply on the site by 28 spaces (increasing from 69 to 97 spaces) in order to better accommodate existing peak load/unload demand from school buses and automobiles during arrival and dismissal periods. The project would not eliminate parking on the site.

- 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 is not expected to require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities. However, the project may include

replacement of existing curb ramp, a marked crosswalk and companion curb ramp with pedestrian signage.

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

The proposed project will not use or occur within the immediate vicinity of water or rail transportation.

- 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 would include the addition of two modular classrooms, renovation of the interior of existing pre-school classrooms/Early Learning Center area, improvement to existing play areas, and addition of new covered play area. The project would allow the school to accommodate a total of 80 pre-school age children (Early Childhood Education and Assistance Program [ECEAP] and Head Start) in two sessions—40 in the morning session and 40 in the afternoon session. The morning sessions are expected to begin at 8:00 a.m. and end at 11:00 a.m. (ECEAP) and 11:30 a.m. for Head Start. The afternoon sessions are expected to be 12:10 to 3:10 p.m. for ECEAP and 12:00 to 3:30 p.m. for Head Start).

The Institute of Transportation Engineers' (ITE) Trip Generation Manual does not provide rates specifically for ECEAP or Head Start programs; however, rates published for Elementary Schools (Land Use 520) are reasonable to estimate trips for the proposed addition. Based upon those published rates and the capacity increase for 40 additional children during each session, the project could result in a net increase of 150 trips per day (75 in, 75 out). Peak volumes for elementary schools typically occur during morning arrival and afternoon dismissal. Since the added capacity is intended for pre-school age children attending half-day programs, the largest increase in traffic is likely to occur midday (from about 11:00 a.m. to 12:00 p.m.) during the period when the morning sessions end and the afternoon sessions begin. At this time, the school is estimated to generate an additional 40 to 50 trips.

A portion of the students are expected to rely on existing school-bus transportation (estimated by District staff at 40% to 50% for the morning sessions and 53% to 63% for afternoon sessions), but no new dedicated bus transportation is planned. The school would also continue to receive deliveries and trash/recycling collection, but no change in the number of trucks is expected.

- 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.

This proposal will not impact, nor be impacted by, the movement of agricultural and forest products within the vicinity of the project site.

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

No measures are proposed to reduce or control transportation impacts.

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 proposal is not expected to increase the need for any public services.

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

Not applicable.

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.

No activity related to utilities is expected. Utility providers on site include:

- **Water: King County Water District #20**
- **Sewer: City of Tukwila**
- **Electricity: Seattle City Light**
- **Natural Gas: Puget Sound Energy**

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: 

Name of signee: Lisa Klein, AICP, Associate Principal

Position and Agency/Organization: AHBL, Inc.

Date Submitted to City of Tukwila: January 18, 2019