

SEPA ENVIRONMENTAL CHECKLIST
REVISED 7/11/16

COMMUNITY DEVELOP.
JUL 20 2016
RECEIVED

A. Background

1. Name of proposed project, if applicable: **Roberts Drive Reconstruction**
2. Name of applicant: **City of Black Diamond**
3. Address and phone number of applicant and contact person:

Contact: Scott Hanis, Capital Project/Program Manager
City of Black Diamond
PO Box 599
Black Diamond, WA 98010

Phone: 360-886-5713

E-mail: shanis@ci.blackdiamond.wa.us
4. Date checklist prepared: **July 11, 2016**
5. Agency requesting checklist: **City of Black Diamond and required by State law**
6. Proposed timing or schedule (including phasing, if applicable): **Some construction work could begin in early 2017; project is currently under design and will likely go to bid in fall/winter 2016. The bulk of the construction work will likely occur in the spring and summer of 2017. Construction on the Rock Creek Bridge portion of the project will likely last about three to four weeks.**
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. **No**
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. **Hydraulic Project Approval (HPA) application will be submitted once determination is received as an HPA application is not complete unless a SEPA determination is attached.**
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? **No** If yes, explain. **A Hydraulic Project Approval (HPA) will be applied for from the State Department of Fish and Wildlife.**
10. List any government approvals or permits that will be needed for your proposal, if known. **The HPA as noted above**

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.)

This project includes improvements to the existing, concrete-panel roadway on Roberts Drive from 100' west of the Rock Creek Bridge to the Black Diamond City Hall. The Rock Creek Bridge will be repaired to extend the life of the bridge and will receive structural improvements. A pedestrian walkway will be attached to the bridge on the south side. A catch floor will be set under the bridge to catch any falling debris while upgrades are made to the bridge to protect Rock Creek.

The existing roadway will receive a complete overlay with asphalt and sidewalk, curb, gutters, and pedestrian lighting will be installed on the south side of the road for the length of the project. The City will utilize a pervious concrete for the sidewalk and porous asphalt along the south shoulder, abutting the curb and gutter, from the bridge and continuing 500 LF to the east to Sunny Lane for stormwater treatment. Total project length is approximately 1,800 LF.

Utility work will include the installation of new stormwater pipe, to capture stormwater runoff that will tie in to existing facilities.

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.

The project will be located on Roberts Drive starting approximately 100 feet to the west of the Rock Creek Bridge (in front of 23703 Roberts Drive; King County parcel 152106-9002) and will extend to the east along Roberts Drive, ending at Cemetery Road just to the east of City Hall (24301 Roberts Drive; King County parcel 152106-9093). The length of this project all occurs in NE Section 15, Township 21N, Range 6E. See vicinity map for more details.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

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

The site is flat with gradual rises and falls along the length of the project. Elevations vary between 540' to 570' over the 1,800 LF of the project.

b. What is the steepest slope on the site (approximate percent slope)? ***There are short, steep banks of about 50-100% on the outside edges of the work zone near the bridge. But along the roadway workzone, the steepest slope is approximately 5.40%.***

- 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. **As detailed in the Stormwater Technical Information Report attached to this checklist, approximately 64.9% of the soils are an Everett very gravelly sand; 17.9% Bellingham Silt Loam (area of the Rock Creek wetland and bridge); and 17.3% Ragnar-Indianola.**
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. **There is no evidence of unstable soils nor any history of unstable soils.**
- 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. **A majority of the excavation will occur over existing roadway on previously disturbed soils. Depth of excavation generally will not exceed 7' (deepest spot for catch basins). There is one location where connecting to the existing stormwater system where the trench will reach 11' at the deepest (connection of Catch Basin #1 and Existing Catch Basin #12 at Sunny Lane, Sheet RD2 of the attached plans). Crushed rock will be used for backfill for trenches. The total cut volume is 1,200 CY and the total fill volume is 530 CY.**
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **Possibly, minor erosion from excavation activities and vegetation removal in the right of way.**
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? **Within the project limits, the existing impervious coverage is about 50% and the post construction impervious percentage will be about 52%.**

The project is separated into three Threshold Discharge Areas. The first is the Rock Creek Basin which will add approximately 2,263 square feet (SF) of impervious asphalt pavement, 1,872 SF of pervious asphalt, and 6,028 SF of pervious sidewalk; the second is the Lynch Road Basin which will add approximately 354 SF of impervious asphalt pavement and 1,695 SF of pervious sidewalk; and the third is the Cemetery Road Basin which will add approximately 3,941 square feet of impervious asphalt pavement and 2,508 SF of pervious sidewalk. The amount of impervious asphalt in the Cemetery Road Basin will be reduced as alignment for the sidewalk in this area will be shifted to the north and asphalt eliminated (proposed asphalt on the 30% plans

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: **Silt fences or straw wattles and catch basin inserts will be required in the more susceptible areas, especially in the vicinity of Rock Creek. The contractor will be required to submit a Spill Prevention, Control and Countermeasure Plan (SPCC). The contractor will be required to comply with stormwater regulations.**

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. **There will be exhaust from machinery during**

construction. Upon project completion there will only be exhaust from regular traffic. The completed project could result in a slight improvement in air quality due to the improved smoothness of the road and less dirt.

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: **No measures to control emissions are proposed.**

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. **Rock Creek flows through a portion of the project under the Rock Creek Bridge, which will be repaired as part of this project. There is a wetland in the vicinity of the eastern end of the project (within 225').**

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, the bridge will be repaired. Plans for the demolition/TESC, road repairs within 200 feet of the bridge, and structural work on the bridge (all at 30% design) are included. A concrete block wall will also be constructed on the south side of the road for slope stabilization.**

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. **None**

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. **No**

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. **The project is adjacent to the 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 Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? **No.** If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? **No.** Give general description, purpose, and approximate quantities if known.

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.). **None.** 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.

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. **Stormwater will flow to new or existing stormwater facilities, or infiltrate into the road bed through porous asphalt. During construction, any stormwater that approaches Rock Creek will be held by silt fences or straw wattles to allow for sediments to settle and water to infiltrate. Some filtered stormwater may discharge into the creek.**
- 2) Could waste materials enter ground or surface waters? **No.** If so, generally describe. **A temporary catch floor designed to capture all debris, drips, dust, and grindings under the bridge is proposed.**
- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. **No.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: **Pervious sidewalk will be installed as well as some porous asphalt will be installed in some areas where there currently exists pervious surfaces.**

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? **Some evergreen trees that are currently in the right-of-way will be trimmed along the south side of the project, although some may require removal if roots could undermine the new sidewalk and roadway. There are approximately 16 cyprus trees with average stumps of 12" and 8 other evergreen trees with average stumps of 12" or greater. There may be some brush removal at the east end of the project (a length of approximately 100'). It is more likely that limbs will just be trimmed off trees in the right of way but removal is a possibility. Brush and insignificant trees will be trimmed back on the south side of the road between the bridge and Bruckners Way.**

- c. List threatened and endangered species known to be on or near the site. **Reviewed GIS data from the Department of Natural Resources and found no endangered species in this area.**
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **Impacts should be minimal. Spruce trees will be planted along the north bank of the roadway providing shade over the wetland to the north.**
- e. List all noxious weeds and invasive species known to be on or near the site. **There is some evergreen blackberry bush at the east end of the project mixed in with the shrubs that might require removal.**

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

Elk have been observed within the City. Beaver dams are frequent at the Rock Creek Bridge (the City has a current HPA for removing beaver dams at this location). The Washington Department of Fish and Wildlife also shows Coho (breeding area/occurrence/), Residential Coastal Cutthroat (occurrence/migration), Steelhead (occurrence), and Winter Steelhead (occurrence/migration). Deer and bear have also been observed within the City limits. There are likely songbirds, woodpeckers, ducks, and squirrels in the area.

- b. List any threatened and endangered species known to be on or near the site. **Steelhead, Coho**
- c. Is the site part of a migration route? If so, explain. **It's listed as a migration route for the Residential Coastal Cutthroat and Winter Steelhead.**
- d. Proposed measures to preserve or enhance wildlife, if any: **No enhancement 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. **Fuel will be used for equipment and machinery**
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. **No, improvements in the area will not affect 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: **There are not any specific energy conservation features. Road closures, while work is being completed on the bridge, will allow machinery to operate without interruption and should help minimize the energy used by machinery and other equipment. Energy-efficient LED pedestrian lights will be installed.**

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. **There is always the risk of spill with a project such as this. Gas leaks from machinery are the biggest concern. The contractor will be required to submit a Spill Prevention, Control and Countermeasure Plan (SPCC).**

- 1) Describe any known or possible contamination at the site from present or past uses.
There is no known or possible contamination 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. **Puget Sound Energy has gas supply pipes in the roadway. These lines will be located prior to excavation and contractor will excavate with care around these lines.**
- 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. **The only chemicals that will be on site will be the normal fluids that are found within vehicles and machinery. This includes grease, gasoline, diesel, anti-freeze, window washing fluid, brake fluid, and battery acid. This roadway, currently, is frequently travelled by motorists.**
- 4) Describe special emergency services that might be required. **Spill cleanup may be the biggest emergency, particularly if spill reaches Rock Creek. No special services should be required other than typical spill cleanup items.**
- 5) Proposed measures to reduce or control environmental health hazards, if any: **The contractor is required to submit a Spill Prevention, Control and Countermeasure Plan.**

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **Noises are typical of a residential area with traffic. Noise should not affect this project.**
- 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. **Short term noises would include noises from machinery during construction. Construction noise would cease at the completion of the project. Normal traffic noises and residential noises would continue, but that would not be a change.**

3) Proposed measures to reduce or control noise impacts, if any: **No proposed measures to reduce or control noise, although the smoother road will greatly reduce the truck and traffic noise through this neighborhood.**

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 a roadway with some sidewalks on the north side of the road. It does contain underground utilities.**
- b. Has the project site been used as working farmlands or working forest lands? **No.** 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? **None** 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? **None**
- 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? **No** If so, how:
- c. Describe any structures on the site. **Existing roadway and underground utilities.**
- d. Will any structures be demolished? **Yes** If so, what? **Existing roadway materials will be excavated and replaced where necessary. Most existing roadway panels will be used as a base for the roadway and will not be removed.**
- e. What is the current zoning classification of the site? **The site contains zoning for Residential (R6 – Six dwelling units per acre), Master Planned Development (MPD), and Neighborhood Center (NC – mix of residential and small commercial).**
- f. What is the current comprehensive plan designation of the site? **Current comprehensive plan designation contains low density residential, low density residential with a master planned development overlay (next to this project), and neighborhood commercial.**
- 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. **The project falls in a coal mine hazard area.**
- i. Approximately how many people would reside or work in the completed project? **None**
- j. Approximately how many people would the completed project displace? **None**
- k. Proposed measures to avoid or reduce displacement impacts, if any: **Not applicable**

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **Not applicable – project consists of road repairs and upgrade of pedestrian facilities.**

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: **None**

9. Housing

a. Approximately how many units would be provided, if any? **None** Indicate whether high, middle, or low-income housing.

b. Approximately how many units, if any, would be eliminated? **None** Indicate whether high, middle, or low-income housing.

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? **Pedestrian lights will be approximately seventeen feet above ground.**

b. What views in the immediate vicinity would be altered or obstructed? **None**

c. Proposed measures to reduce or control aesthetic impacts, if any: **None**

11. Light and Glare

a. What type of light or glare will the proposal produce? **No glare; pedestrian level LED lighting will be installed.** What time of day would it mainly occur? **Pedestrian lights will turn on around dusk.**

b. Could light or glare from the finished project be a safety hazard or interfere with views? **No, lights will improve visibility and increase safety for pedestrians.**

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**

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?
**Neighborhood park (Eagle Creek).
Community garden (just to the east of the project on the north side of the road)**

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

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: **The public will have the opportunity to safely view the Rock Creek wetland from the pedestrian bridge.**

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 located on or near the site? **No**. If so, specifically describe. ***There are several homes along this street that have been surveyed but are not listed in the registries. One of concern is an old gas station (24211 Roberts Drive) that has an overhang that looks to be in rough and unstable shape. This could be a safety issue if it remains. This project does not propose making any changes with this overhang.***
- 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? **No**. Please list any professional studies conducted at the site to identify such resources.
- 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. ***An archaeological survey has been performed at the request of the Department of Archaeology and Historic Preservation.***
- 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. ***None, although if artifacts are discovered construction operations will stop so a thorough investigation can be completed.***

14. Transportation

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. ***Work will occur on Roberts Drive which will impact some neighborhood streets in the vicinity. Show on site plans, if any. Proposed detour routes and methodology are attached.***
- b. Is the site or affected geographic area currently served by public transit? **No**. If so, generally describe. If not, what is the approximate distance to the nearest transit stop? ***Approximately 4,200 feet to the east of the eastern project boundary.***
- c. How many additional parking spaces would the completed project or non-project proposal have? **None**. How many would the project or proposal eliminate? **None**
- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? **Yes**. If so, generally describe (indicate whether public or private). ***The proposal is a street project. The roadway will be widened with curb, gutter, and sidewalks installed. The project will also allow for shared bicycle facilities.***
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? **No**. If so, generally describe.

- f. How many vehicular trips per day would be generated by the completed project or proposal? **The completion of this roadwork will not impact the number of vehicular trips.** If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). **Not applicable.** What data or transportation models were used to make these estimates? **Not applicable**
- 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? **No.** If so, generally describe.
- h. Proposed measures to reduce or control transportation impacts, if any: **Any detours will be marked during construction.**

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)? **Yes.** If so, generally describe. **There will be an increased response time for the fire district responding to calls in eastern Black Diamond while work is being completed on the bridge.**
- b. Proposed measures to reduce or control direct impacts on public services, if any. **Only allow road closures while work is being performed. If possible to reopen the bridge at night (steel sheets, etc.), that will need to be done.**

16. Utilities

- a. Circle utilities currently available at the site:
 electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
 other _____
There are currently electricity, natural gas, water, sanitary sewer, and stormwater utilities within the project.
- 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. **Some stormwater utilities will be extended. Water mains will be extended across the bridge as part of a separate project prior to this project.**

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 **Scott Hanis** _____

Position & Agency/Organization **Capital Project/Program Manager – City of Black Diamond**

Date Submitted: **July 11, 2016** _____