SDOT Project # ____________ DPD Project # ____________

Project/Site Address: __________________________

Applicant Name __________________________

Acceptance of a 90% Complete Street Improvement Plan is required prior to Formal Review. See CAM 2201 and 2214 for additional information.

I CERTIFY THAT MY 90% COMPLETE STREET IMPROVEMENT PLAN MEETS ALL OF THE REQUIREMENTS OF CAM 2201 AND THE 90% COMPLETE SIP CHECKLIST. I UNDERSTAND THAT MY PLANS WILL NOT BE ACCEPTED IN FOR FORMAL REVIEW IF I FAIL TO MEET THESE REQUIREMENTS.

Applicant Signature: __________________________ Date: __________

Civil Engineer Signature: __________________________ Date: __________

THE FOLLOWING CHECKLIST MUST BE COMPLETED AND SUBMITTED WITH THE 90% COMPLETE STREET IMPROVEMENT PLAN.

If the Street Improvement Plan includes any of the elements in bold, then the items listed under that specific element are required. The questions in *italics* are used to determine any additional requirements for specific elements. Read the question and circle the answer. If the answer to any of the questions in *italics* is yes, all of the items listed under the question are required.

**ELEMENTS THAT REQUIRE 60% COMPLETE SIP APPROVAL**

☐ Privately owned encroachments
  ☐ 60% Complete SIP Approval has been obtained
  ☐ The Street Use Annual Permit Number is identified on the plans

☐ Areaway - Installation or modification
  ☐ 60% Complete SIP Approval has been obtained
  ☐ Structural Calculations are provided
  
  Y / N *Is a foundation or footing for an areaway being installed or modified?*
  ☐ Geotechnical Report is provided

☐ Guardrails and/or Traffic Barriers
  ☐ 60% Complete SIP Approval has been obtained

☐ Bridge - Installation or modification
  ☐ 60% Complete SIP Approval has been obtained
  ☐ Geotechnical Report is provided
  ☐ Structural Calculations are provided

☐ Retaining Walls
  ☐ 60% Complete SIP Approval has been obtained
  
  Y / N *Is the retaining wall greater than 4 feet in height?*
  ☐ Structural Calculations are provided
90% Complete SIP Intake Checklist - Elements Requiring 60% Complete SIP Approval

☐ Geotechnical Report is provided

Y / N Does the retaining wall have a surcharge, is it located in an ECA, or is it located where the groundwater level is above the footing?
☐ Geotechnical Report is provided

Y / N Is the retaining wall per Standard Plan 800 or 801?
☐ Retaining wall is shown and called out per Standard Plan 800 or 801

☐ Rockery

Y / N Does the rockery deviate from Standard Plan 141?
☐ 60% Complete SIP Approval has been obtained

Y / N Is the rockery over 4 feet high?
☐ 60% Complete SIP Approval has been obtained
☐ Geotechnical Report or is provided

☐ Stairs

☐ 60% Complete SIP Approval has been obtained

Y / N Are the Stairs NOT per Standard plan 440a and 440b?
☐ Structural Calculations are provided

Y / N Are the Stairs located in an ECA?
☐ Geotechnical Report is provided

☐ Curb Bulbs

☐ 60% Complete SIP Approval has been obtained

☐ Curb Table is provided on the plans and includes radii, stations and offsets, elevations for the PC, PRC, PT, ¼ points, and delta

☐ Elevations at the top of curb, at the existing and/or proposed flow lines, at the property line and at the back of walk are noted and identified

☐ Curb Setbacks

☐ 60% Complete SIP Approval has been obtained

☐ Curb Table is provided on the plans and includes radii, stations and offsets, elevations for the PC, PRC, PT, ¼ points, and delta

☐ Elevations at the top of curb, at the existing and/or proposed flow lines, at the property line and at the back of walk are noted and identified

☐ Curbs that are not per Standard Plan

☐ 60% Complete SIP Approval has been obtained

☐ New curb where no curb existed before or modification to existing curb alignment

☐ 60% Complete SIP Approval has been obtained

☐ New or modified curb return

☐ 60% Complete SIP Approval has been obtained

☐ Curb Table is provided on the plans and includes radii, stations and offsets, elevations for the PC, PRC, PT, ¼ points, and delta

☐ Elevations at the top of curb, at the existing and/or proposed flow lines, at the property line and at the back of walk are noted and identified
- New or Modified Traffic Calming Devices
  - 60% Complete SIP Approval has been obtained

- New or Modified Road Width
  - 60% Complete SIP Approval has been obtained

- New or Modified Road Alignment
  - 60% Complete SIP Approval has been obtained

- New or Modified Profile Grade for Centerline
  - 60% Complete SIP Approval has been obtained

- New Pavement section and/or type that does not meet the Street and Sidewalk Pavement Opening and Restoration Rules
  - 60% Complete SIP Approval has been obtained
  - Design Specifications are provided

- New or Replaced Sidewalk that is not per standard plan (width, scoring and materials)
  - 60% Complete SIP Approval has been obtained

- Permeable Sidewalk
  - 60% Complete SIP Approval has been obtained
  - Design Specifications are provided

- New or Modified Bike Trail or Path
  - 60% Complete SIP Approval has been obtained

- Proposed Cross Slopes that do not meet the minimum and maximum percentages identified in the ROWI Manual
  - 60% Complete SIP Approval has been obtained

- New or Modified Driveway that is not per Standard Plan
  - 60% Complete SIP Approval has been obtained

- Cross Section that is not per Standard Plan 030
  - 60% Complete SIP Approval has been obtained

- New or Revised Pavement Markings (including marked cross walks)
  - 60% Complete SIP Approval has been obtained
  - Pavement Markings are shown and labeled on the plans

- Signal System Elements Proposed or Modified
  - 60% Complete SIP Approval has been obtained
  - Components labeled as removed, replaced, relocated, connected to new equipment, or maintained in place

- New Signal System or Proposed Change in Signal Operations
  - 60% Complete SIP Approval has been obtained
  - Phase Diagram and Wiring Schedule is provided
  - Components labeled as removed, replaced, relocated, connected to new equipment, or maintained in place

- Proposed Grade Changes Around Existing Signal Equipment or Poles
☐ 60% Complete SIP Approval has been obtained
☐ Cross Sections at proposed grade changes are provided

☐ New or Relocated SCL Infrastructure
☐ 60% Complete SIP Approval has been obtained
☐ Components are labeled with type and size

☐ New or Relocated Metro Infrastructure
☐ 60% Complete SIP Approval has been obtained
☐ Components are labeled with type and size
☐ Poles are labeled as to remain, to be protected, to be removed, to be replaced, or to be relocated

☐ New or Relocated poles (other than SCL or Metro)
☐ 60% Complete SIP Approval has been obtained
☐ Poles are labeled as to remain, to be protected, to be removed, to be replaced, or to be relocated
☐ Type and size of poles are identified
☐ Y / N Are the poles to be installed by others?
☐ Poles are labeled as being installed “Under Separate Permit”

☐ New or Relocated Street or Pedestrian Lighting
☐ 60% Complete SIP Approval has been obtained
☐ Type of poles, luminaire, bracket arm, etc are identified and location is shown
☐ Associated hand holes and conduits are shown and labeled with type and size
☐ Service location is shown and identified
☐ One line wiring diagram is provided showing the wire size and circuit

☐ Trees Proposed to be Removed or Relocated
☐ 60% Complete SIP Approval has been obtained

☐ ROW used for Green Factor Credits
☐ 60% Complete SIP Approval has been obtained
☐ Green Factor areas are clearly identified
☐ Green Factor element details are shown (type & number of plants, rain garden details, etc)

☐ Alley Drainage Proposed that is not per Standard Plan 241 and CAM 1180 (closed contour alleys)
☐ 60% Complete SIP Approval has been obtained

☐ More than 2,000 SF of new plus replaced impervious surface
☐ 60% Complete SIP Approval has been obtained
☐ A Technical Information Report is provided
☐ Green Stormwater Infrastructure Calculation Worksheet is provided

☐ Detention Proposed within the ROW
Detention is required if the amount of new plus replaced impervious roadway surface exceeds 10,000 SF in a combined sewer, capacity constrained, or creek basin.
☐ 60% Complete SIP Approval has been obtained
Drainage Report is provided

SPU Hydrostats Report

Detail of the flow control structure is provided (orifice size, dimensions, elevations, etc)

Y / N  Is the project proposing a non standard detention facility?

- Maintenance manual is provided

Water Quality Proposed in the ROW

Water quality treatment is required if the amount of new plus replaced impervious roadway surface exceeds 5,000 SF in a non-combined sewer basin.

- 60% Complete SIP Approval has been obtained
- Drainage Report is provided
- Detail for the water quality system is provided
- SPU Hydrostats Report

Y / N  Is the project proposing a non standard water quality facility?

- Maintenance manual is provided

Drainage Swale or Rain Garden Proposed or Modified

- 60% Complete SIP Approval has been obtained
- Drainage Report is provided

Y / N  Is the Drainage Swale or Rain Garden in a peat settlement area, ECA or projects proposing infiltration?

- Geotechnical Report is provided

Water Main Installation, Extension, or Replacement

- 60% Complete SIP Approval has been obtained
- Pipe type and size are identified
- Components are labeled (water valves, hydrants, blow offs, etc)
- Pipe type, size and depth are noted in the profile
- Components labeled in the profile

PSD Installation, Extension, or Replacement

- 60% Complete SIP Approval has been obtained
- Pipe type, length, size, and slope are identified on plans
- Pipe type, length, size, and slope are identified in the profile

Y / N  Is the PSD on private property?

- Easement is shown and identified on plans

PSS Installation, Extension, or Replacement

- 60% Complete SIP Approval has been obtained
- Pipe type, length, size, and slope are identified on plans
- Pipe type, length, size, and slope are identified in the profile

Y / N  Is the PSS on private property?

- Easement is shown and identified on plans
90% Complete SIP Intake Checklist
Standard Elements

☐ 60% Complete SIP Plans
  ☐ 60% Complete Plans are attached if approval has been obtained.

☐ Base Map (always required)
  ☐ Base map is screened back and readable on the plan sheets

☐ Large Project Drainage Control
  Y / N  Is the project disturbing more than 5,000 square feet in the right of way, including staging areas?

☐ General Notes
  ☐ Standard General Notes including Water Service Notes are shown on Title Sheet
  Y / N  Is SPU Sewer or Drainage infrastructure is being installed or modified?
  ☐ Standard SPU Sewer and Drainage Notes are shown on Title Sheet
  Y / N  Is SPU Water Main Infrastructure is being installed or modified?
  ☐ Standard SPU Water Main Notes are shown on Title Sheet
  Y / N  Is Lighting or Signal infrastructure is being installed or modified?
  ☐ Standard Lighting and Signal Notes are shown on Title Sheet

☐ Vicinity Map shown on Title Sheet (always required)
  ☐ Scaled at 1" = 200'
  ☐ Area of work in the ROW is shaded
  ☐ North Arrow is oriented to the top or left of the page
  ☐ Sheet Numbers are identified on the Vicinity map

☐ SDOT SIP Title Block used for all sheets (always required)
  ☐ Filled out per CAM 2201
  ☐ Plan has Engineer’s Stamp on it

☐ Benchmarks (always required)
  ☐ Two Vertical benchmarks are shown.
  ☐ Two horizontal benchmarks.
  ☐ Benchmarks used are a reasonable distance from the project

☐ Exceptions have been granted from DPD
  ☐ All granted exceptions are noted on the Title Sheet

☐ Deviations have been approved by SDOT
  ☐ All approved deviations are noted on the Title Sheet

☐ North Arrow is provided on all sheets and is oriented to the top or left (always required)

☐ Bar Scale is shown and scaled correctly (always required)

☐ Horizontal Scale is 1”=10’ (always required)
Minimum Lettering size is 0.12" for improvements and dimensions and 0.08" for base maps (always required)

Profile

Y / N Is the project installing a new curb where a curb did not exist?
☐ Profile is provided above the plan view and lines up with the plan view

Y / N Is the project modifying the horizontal curb alignment?
☐ Profile is provided above the plan view and lines up with the plan view

Y / N Is the project installing 6 feet or greater of roadway widening with no existing curb?
☐ Profile is provided above the plan view and lines up with the plan view

Y / N Is the project installing or modifying a Main Line (PSD, PSS, or Water)?
☐ Profile is provided above the plan view and lines up with the plan view

Y / N Is the project improving an unimproved or unopened ROW?
☐ Profile is provided above the plan view and lines up with the plan view

Y / N Is the project installing or modifying the pavement surface type or changing the grade of existing pavement surface?
☐ Profile is provided above the plan view and lines up with the plan view

Y / N Is a profile required per any of the above requirements?
☐ Vertical Scale is 1" = 5'
☐ Top of Curb, Centerline of roadway, and slopes are shown and identified
☐ Crown of roadway is shown and slopes are identified
☐ Existing and proposed utilities are shown and identified
☐ Existing and proposed utility crossings are shown and identified
☐ Proposed manholes, catch basins, and/or inlets structure are shown and called out ☐N/A
☐ Rim and Invert elevations are shown for proposed manholes, catch basins and inlets along with the inverts for all pipes entering and exiting the structures ☐N/A
☐ Catch basin and inlet connections to outfall is shown ☐N/A
☐ Type, length, and slope for all pipe connections for manholes, catch basins and inlets are provided ☐N/A

Vertical Curves

☐ All vertical curves are shown and identified in the profile
☐ Vertical curves are dimensions are identified
☐ PVI's are labeled with station and elevations
☐ Stations and elevations for beginning and end points are identified

Grade Breaks

☐ Grade breaks are shown and identified in the profile and include a station and elevation

Typical Cross Sections (always required)

☐ A typical cross section in provided on the plan sheets for each street or alley frontage
Station Specific Cross Sections

NOTE: Cross sections listed below must be submitted on separate 8 ½” X 11” or 11” X 17” sheets with the engineers’ stamp and signature on them. The following cross sections should not be included as part of the SIP plan set.

- Cross section at centerline of each driveway is provided
- Cross sections are provided at each entrance within 10 feet of the right of way margin
- Elements in the cross section are labeled (curb, sidewalk, etc)
- Elements in the cross section are dimensioned
- Elevations for top of curb, centerline of roadway, back of walk, and property line are provided in the cross section
- Elements in the cross section are called out per standard plan
- Existing grades are shown in the cross section
- Proposed grades are shown in the cross section
- Pavement sections are identified in the cross section

Proposed New Roadway or Alley or New Curb where one did not exist
- Cross Section are provided every 25 feet

Revising Grade of Existing Roadway or Alley
- Cross Section are provided every 25 feet

Modifying Existing Driving Surface Width
- Cross Section are provided every 25 feet

Station, offsets, and dimensions (always required)
- Stations and Offsets or dimensions are shown for all elements (offsets are not required for catch basins or inlets)
- Stations are provided at beginning and end points and include elevations
- Stations are provided at match points and include elevations

Building Outline (always required)
- Building outline is shown on the plans
- All access points, both vehicular and pedestrian, are shown on the plans
- Elevations for flow line, top of curb, back of walk, and property line are provided for all access points at each end of the access point
- Electrical service connection to the building is shown and called out as “Under Separate Permit” (only required if service connection location is located on a frontage that is being improved)

Contour Lines (always required)
- All existing and proposed contour lines are shown
- The plans show how the finished contours tie into the existing contours

Flow Lines Shown (always required)
- Plans show how drainage from project flows to an existing or new catch basin or inlet
Inlets
☐ Called out per Standard Plan
☐ Rim and Invert elevations are provided
☐ Connection to a catch basin is shown
☐ Pipe type, length, and slope is provided

Catch Basins
☐ Called out per Standard Plan
☐ Rim and Invert elevations are provided
☐ Connection to the main or other outfall is shown
☐ Pipe type, length, and slope is provided

Manholes
☐ Called out per Standard Plan
☐ Rim and invert elevations of all pipes entering or exiting the structure are provided

Side Sewer and Service Drain (only required if service connection location is located on a frontage that is being improved)
☐ All Side Sewer and Service Drain connections are shown and called out "Under Separate Permit"
☐ Estimated invert elevation at the connection to the main is shown

King County Sewer Mains
☐ All connections to King County Metro Sewer lines are shown and called out "Under Separate Permit"

Water Meters (only required if water service connection location is located on a frontage that is being improved)
☐ The location of all proposed water meters is shown and called out “Under Separate Permit”
☐ All water meters are labeled as existing, new, to be retired, or to be reused.
☐ The type and size of all water meters are provided and drawn to scale

Water Vaults (only required if water service connection location is located on a frontage that is being improved)
☐ The location of all proposed water vaults are shown
☐ All water vaults are labeled as existing, new, to be retired, or to be reused
☐ The type and size of all water vaults are provided and drawn to scale

Curbs to be repaired or replaced in the same location
☐ Called out per Standard Plan
☐ Correct Standard Plan called out for the pavement section

Pavement Restoration
☐ Section as specified in the Street and Sidewalk Pavement Opening and Restoration Rule 6.4 & 7.5
☐ All cuts are perpendicular and/or parallel to the centerline of the roadway

Y / N Is the Pavement Restoration greater than 100 LF of Asphalt Concrete Surface without reflective cracking at PCC joints?
90% Complete SIP Intake Checklist
Standard Elements

☐ Full lane restoration is shown
Y / N Is the Pavement Restoration PCC?
☐ Joint layout is shown for intersection areas
Y / N Are there trenches for Utilities?
☐ Extent of restoration is shown
☐ Restoration area is per the Street and Sidewalk Pavement Opening and Restoration Rule
☐ Restoration area includes the entire zone of influence (Minimum 5’ + 2(d/4))
Y / N Does the pavement restoration include an Existing Non-Standard Drainage Structures (catch basins or inlets)?
☐ Upgrading the structure and connection to the current standard is shown and called out
Y / N Is the pavement restoration area within a marked crosswalk?
☐ Restoration for the pavement area and the entire crosswalk markings are shown
Y / N Is 6’ or more of pavement being restored within an existing marked crosswalk?
☐ Required Stop Bar is shown and called out

☐ New or Modified Driveway
☐ Called out per Standard Plan
☐ Elevations at flow line, back of walk, and property line are provided for each end of the driveway
☐ The driveway is located a minimum of 5 feet from the extended property line
Y / N Is the project located Downtown?
☐ The driveway is located a minimum of 40’ from the projected curb line of the nearest intersection

☐ Utility Vaults
☐ All proposed utility vaults are shown
☐ The location, type and size of utility vaults are identified and drawn to scale
☐ The utility vaults are called out "Under Separate Permit"

☐ Utility Hand Holes
☐ All proposed hand holes are shown and drawn to scale
☐ The location, type and size of all hand holes are identified
☐ The electrical hand holes are called out "Under Separate Permit"

☐ Utility Ducts
☐ All proposed utility ducts are shown and drawn to scale
☐ The location, type and size of all utility ducts are identified
☐ The utility ducts are called out "Under Separate Permit"

☐ Trees
☐ All code required and / or proposed street trees are shown
☐ All required and proposed trees within the ROW are labeled with size and species

☐ Tree Pits
Proposed modification to existing tree pits are shown
All proposed tree pits are dimensioned

**Landscaping**
- All landscaping within the right of way is shown and identified

**Paved Planting Strip**
- Proposed paved planting strip area is shown and the materials are identified

**Median Landscaping**
- Proposed landscaping or planting in an existing median is shown

**Project is located adjacent to Park Property – Boulevard or Park**

**Project is proposing Temporary or Permanent Access through or across Park’s Property**

**Curb Ramps**
- Called out per standard plan
- A 4’ x 4’ landing is provided
- The wing slope does not exceed 1″:10″
- The ramp slope does not exceed 1″:12″ (8.33%), 9% acceptable
- Companion Ramps identified and labeled existing, existing to be retrofitted, or new and called out per standard plan
- A minimum 1 foot separation between curb ramps is provided
- A minimum 1 foot clearance from the ramp to any vertical obstruction is provided
- Two ramps are provided at each corner
- Curb ramps are dimensioned along the curb face (ramp and wings)
- Elevations are provided at the flow line, top of curb, top of ramp and at the property line at all ¼ points and at the center of the curb ramps.

**The slope adjacent to the sidewalk is greater than 2:1 or there is a vertical drop of more than 2.5’ within 4’ of the edge of the sidewalk**
- A handrail or fence is provided

**Road Tapers**
- Roadway tapers are identified and dimensioned

**Signage**
- The location and type of all proposed signage is shown and identified

**Bike Racks**
- Are the proposed bike racks to be owned and maintain by the City?
  - Bike racks are per the Seattle Right-of-Way Improvements Manual and meet the requirements found at [www.seattle.gov/transportation/bikeracks.htm](http://www.seattle.gov/transportation/bikeracks.htm)
- Are the proposed bike racks to be owned and maintained by the property owner?
  - Bike racks are labeled as “Under Separate Permit” and the Annual Permit Number is provided