Appendix 8
Intersection/Channelization Plan for Approval Checklist

GENERAL REQUIREMENTS

☐ Use latest version of Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Design Manual
☐ Plan scale 1” = 50’. Plan sheets not to exceed 22” x 34”
☐ Show 300 feet (100 m) of existing highway beyond the proposed changes
☐ Plan prepared in accordance with Plans Preparation Manual
☐ Have deviations/EUs been approved, if applicable
☐ Submit a full size mylar copy for final approval.

DESIGN DATA BOX

☐ Highway Design Class (Modified: MDL1-14; Full: Principal Arterial, Minor Arterial or Collector)
☐ City/County Design Classification for crossroads
☐ Access Control
☐ Land use
☐ ADT
☐ Percent Trucks (if applicable for turn storage)
☐ Design Vehicle
☐ Posted Speed and Design Speed

TRAFFIC SCHEMATIC DRAWING

☐ Current ADT and design year ADT
☐ DHV for turning movements for current and design year

PLAN SHEET

☐ Project Title, State Route number, SR Milepost in title block
☐ Township, Range, Section, North Arrow, scale bar, legend, county
☐ Street and Highway names
☐ Existing topographic features (edge of pavements, utility poles, fire hydrants, retaining walls, etc.)
☐ Right of Way lines (main line and crossroad)
☐ Limited Access Control and turnback lines if applicable
☐ Construction centerline, bearing, stationing or milepost
☐ Begin/end stations and mileposts of roadway widening
☐ Station, or milepost, and equations at centerline intersection of intersecting roads and approaches
☐ Angle of intersection
☐ Curve data for each curve (curve radius, curve and tangent lengths, delta angle, PC, PI, PT and superelevation)
☐ Vertical alignment - required if alignments are new or revised or if existing highway is in a vertical curve or highway grades are greater than 5%.
Intersection/Channelization Plan for Approval Checklist

☐ Widths of lanes, turn lanes, shoulders, medians, curb & gutter, bike lanes, sidewalks, and bus pullouts if applicable
☐ Begin/end stations of channelization storage
☐ Taper rates for lane transitions
☐ Right turn corner radius for intersecting roadways and approaches
☐ Intersection left turn radius
☐ Show connecting road or private approach for at least 100’ from edge of highway
☐ Location and type of channelization
☐ Details for raised islands showing square footage, type of curb, etc.
☐ Block approval signature and date
☐ Block for stamping, signing and dating by registered professional engineer
EXAMPLE
Example