

Kirkland Transit Center

Kirkland, Washington

Owner: Sound Transit

Description: INCA Engineers, Inc., A Tetra Tech Company (INCA) provided alternatives development, traffic study, alternatives analysis, evaluation screening and documentation for the selection of a preferred alternative, and final contract documents and estimates for the development of a new transit center at Third Street between Central Way and Kirkland Avenue in Kirkland. The project will accommodate at least 10 buses in four bus bays, patron shelters, trellis, communications room, art, signage, information, and other amenities to support riders transferring between services.

The project included preparation of base maps and right-of-way plans, geotechnical engineering, new profile alignment to meet ADA requirements, roadway paving, landscaping, architectural design, lighting, electrical systems, adjacent traffic signal/roadway improvements including provisions for CCTV and TSP, construction staging for a busy downtown vehicle and pedestrian corridor, and rerouting of transit operations during construction with temporary facilities.

INCA conducted environmental studies; prepared environmental documentation, developed a permit matrix; prepared a traffic study and a hydraulics report. Environmental work included the development of an environmental tracking matrix, SEPA checklist and a noise analysis. A hydraulics report was developed with a focus on Low Impact Development opportunities. The firm led a public involvement program with strong stakeholder agency involvement and consensus building. INCA supported value engineering (VE) study, architectural and engineering design.

The project required close coordination with two partner agencies: the City of Kirkland and King County Metro. In addition, close coordination with the King County Wastewater Treatment Division was required for design coordination and the inclusion of their utility upgrades in the transit center bid documents. A public involvement program with strong stakeholder agency involvement is ongoing as we head into construction and has included public/ stakeholder participation through community workshops, open houses, and City Council study and regular sessions. Phase II work included completion of the PS&E and design assistance during construction.

The transit center includes with shelters and weather protection, signage, information, and other amenities to support riders transferring between services. Operator restrooms, passenger waiting/boarding areas, bike facilities, accessible design accommodations, and pedestrian/bike connections to the surrounding community were included in the project. The project is designed to accommodate at least 8 buses (four 40' and four 60' long) in at least 4 bus bays.

The project accommodated storm drainage systems, landscaping, lighting, and adjacent traffic signal/roadway improvements, which were added as environmental mitigation requirements during the environmental process.

