

Burien Transit Center

Burien, Washington

Owner: King County Department of Transportation

Description: INCA Engineers, Inc., A Tetra Tech Company (INCA) was the prime consultant for the development of plans, specifications and estimates for the Burien Transit Center in the heart of the City of Burien. The new transit center includes eight bus bays and layover spaces; the building contains a driver comfort station, a supervisor's office, and storage areas. Site aesthetics and function blend with existing and new City of Burien developments within the site proximity as well as potential future transit oriented development at the site.

INCA developed several alternatives to maximize transit operations within a physically constrained site while working to maximize parking capacity. Through coordination meetings with King County personnel and the public, objectives were developed and agreed upon, and the alternatives were evaluated and optimized. Work included roadway, drainage, and traffic analysis and design, field survey and base mapping, and the management of a project team providing urban design, architectural, structural, electrical, mechanical, plumbing, landscaping and geotechnical services. The project required significant coordination with stakeholders including King County representatives, the City of Burien, and the public.

Pervious concrete pavement, a pivotal environmental innovation, was used throughout the transit center as a key component to the comprehensive Storm Water System. Burien Transit Center's new storm water facilities are strategically located beneath landscaping, pavement, and platform areas. Rather than occupy space on the street level, this innovative storm water drainage system maximizes transit operations in a confined space. This layering technique helped reduce real estate costs for the client. The design team incorporated the use of Compost Storm Filter (CSF®) leaf media as the filter cartridge for the storm water drainage system. This highly-organic material helps promote sustainable, environmentally-conscious drainage throughout the transit center.



Awarded Northwest Construction's "Best Small Project of 2009".



Prior to the opening of the Burien Transit Center, bus operators waited to begin their next route blocks away. Based on the new design, layovers can now be spent onsite at the transit center. The new layover system increases efficiency and reduces costs to King County.