CITY OF KIRKLAND
Department of Public Works
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www.ci.kirkland.wa.us

MEMORANDUM

To: David Ramsay, City Manager

From: Daryl Grigsby, Public Works Director
Ray Steiger, P.E., Capital Projects Manager

Date: September 6, 2007

Subject: DOWNTOWN TRANSIT CENTER – PARK TRELLIS CONFIGURATION

RECOMMENDATION:

It is recommended that the City Council review the various alternatives for the Park Trellis design and discuss the configuration to be advanced to 30% design for the Downtown Transit Center.

BACKGROUND AND DISCUSSION:

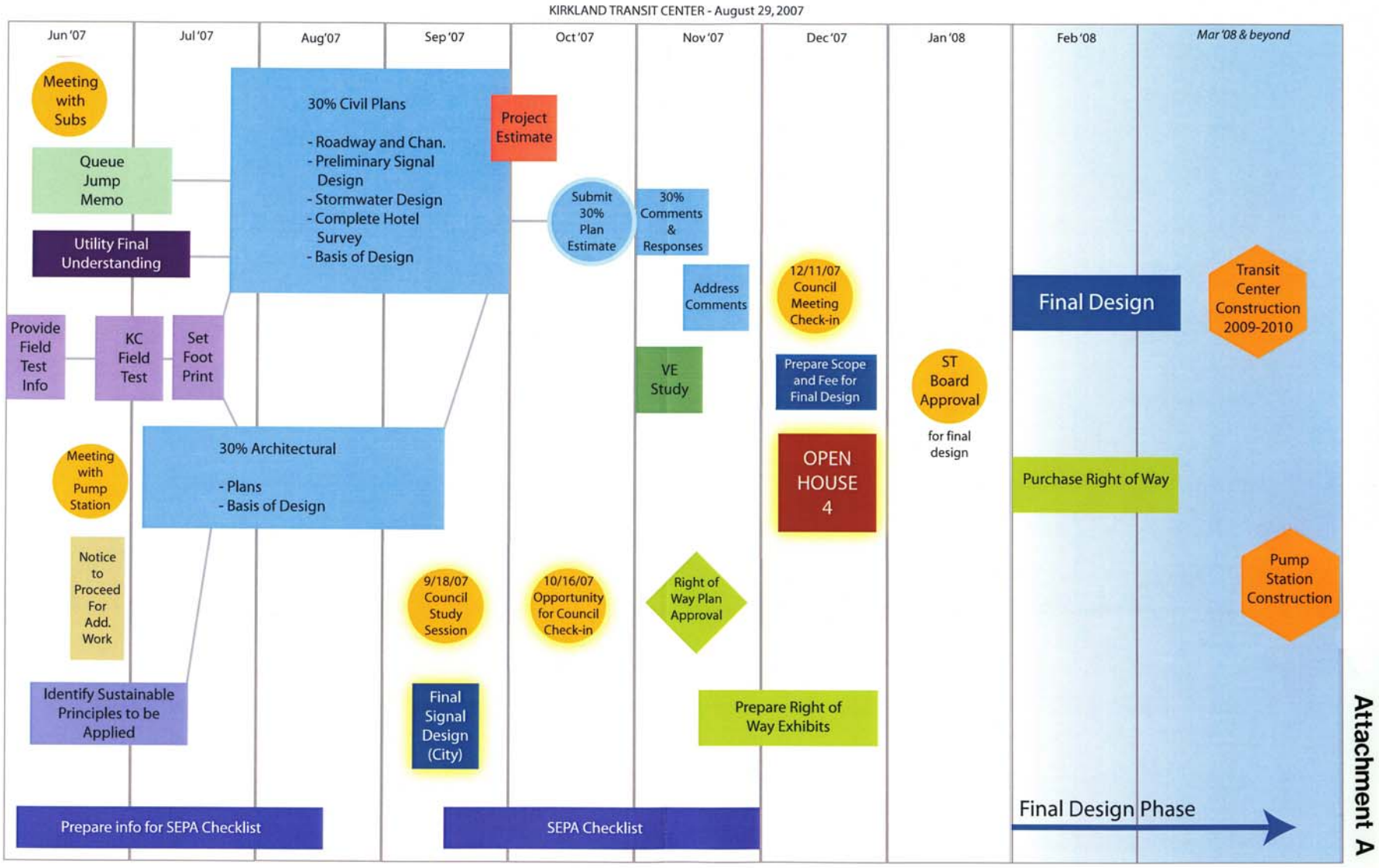
Hewitt Architects & INCA Engineers along with Sound Transit, City of Kirkland, and King County/METRO staff have developed four alternative interpretations of the "Park Trellis" design concept that was selected by the City Council in June of 2007. Sound Transit will be moving one of the alternatives forward to the 30% design stage during this fall so that final environmental documentation and right of way plans can be prepared. As previously discussed, the current schedule identifies construction of the new Transit Center in 2009/2010 (Attachment A). Of note in the schedule, now that the footprint and traffic operations of the Transit Center have been defined, Sound Transit and the City are working on an agreement that will allow the City to move forward with the design and construction of the Third and Kirkland traffic signal in 2008.

There remain a number of elements to be resolved including design details, coloring, integration of art, plant selection, etc., and additional opportunities for community input remain during later steps of the design (Attachment B), however the selection of a design configuration is critical at this juncture of the project. During the study session, the ST team and their consultants will describe the alternatives in more detail, present various renderings and materials depicting the alternatives, and facilitate the refinement of the concept. In addition to the refinement of the Park Trellis, information regarding lighting (ambient, vehicle, and pedestrian) and pedestrian paving materials will be suggested (Attachment H, I) for incorporation into the 30% design.

All of the alternatives that are being presented at the Study Session are derivatives of the Park Trellis theme and evolved from and emphasize unique characteristics of the original Park Trellis shown in June that will be located at the western entrance into the Peter Kirk Park at Third Street adjacent to the existing restrooms. Based on Council's feedback, the ST team will refine a final option for advancement to 30% design, and Staff will return to Council, tentatively in October, with renderings of the Study Session outcome.

Attachments:

A	Schedule
B	Deliverable milestones
C	Site Plan
D	Alternative 1
E	Alternative 2
F	Alternative 3
G	Alternative 4
H	Paver pattern examples
I	Lighting concepts and examples


KIRKLAND TRANSIT CENTER - August 29, 2007
Jun '07
Jul '07
Aug '07
Sep '07
Oct '07
Nov '07
Dec '07
Jan '08
Feb '08
Mar '08 & beyond
Meeting with Subs
Queue Jump Memo
Utility Final Understanding
30% Civil Plans
- Roadway and Chan.
- Preliminary Signal Design
- Stormwater Design
- Complete Hotel Survey
- Basis of Design
Project Estimate
Submit 30% Plan Estimate
30% Comments & Responses
Address Comments
12/11/07 Council Meeting Check-in
Final Design
Transit Center Construction 2009-2010
Provide Field Test Info
KC Field Test
Set Foot Print
VE Study
Prepare Scope and Fee for Final Design
ST Board Approval
for final design
Meeting with Pump Station
30% Architectural
- Plans
- Basis of Design
OPEN HOUSE 4
Purchase Right of Way
Notice to Proceed For Add. Work
9/18/07 Council Study Session
10/16/07 Opportunity for Council Check-in
Right of Way Plan Approval
Pump Station Construction
Identify Sustainable Principles to be Applied
Final Signal Design (City)
Prepare Right of Way Exhibits
Prepare info for SEPA Checklist
SEPA Checklist
Final Design Phase
Attachment A

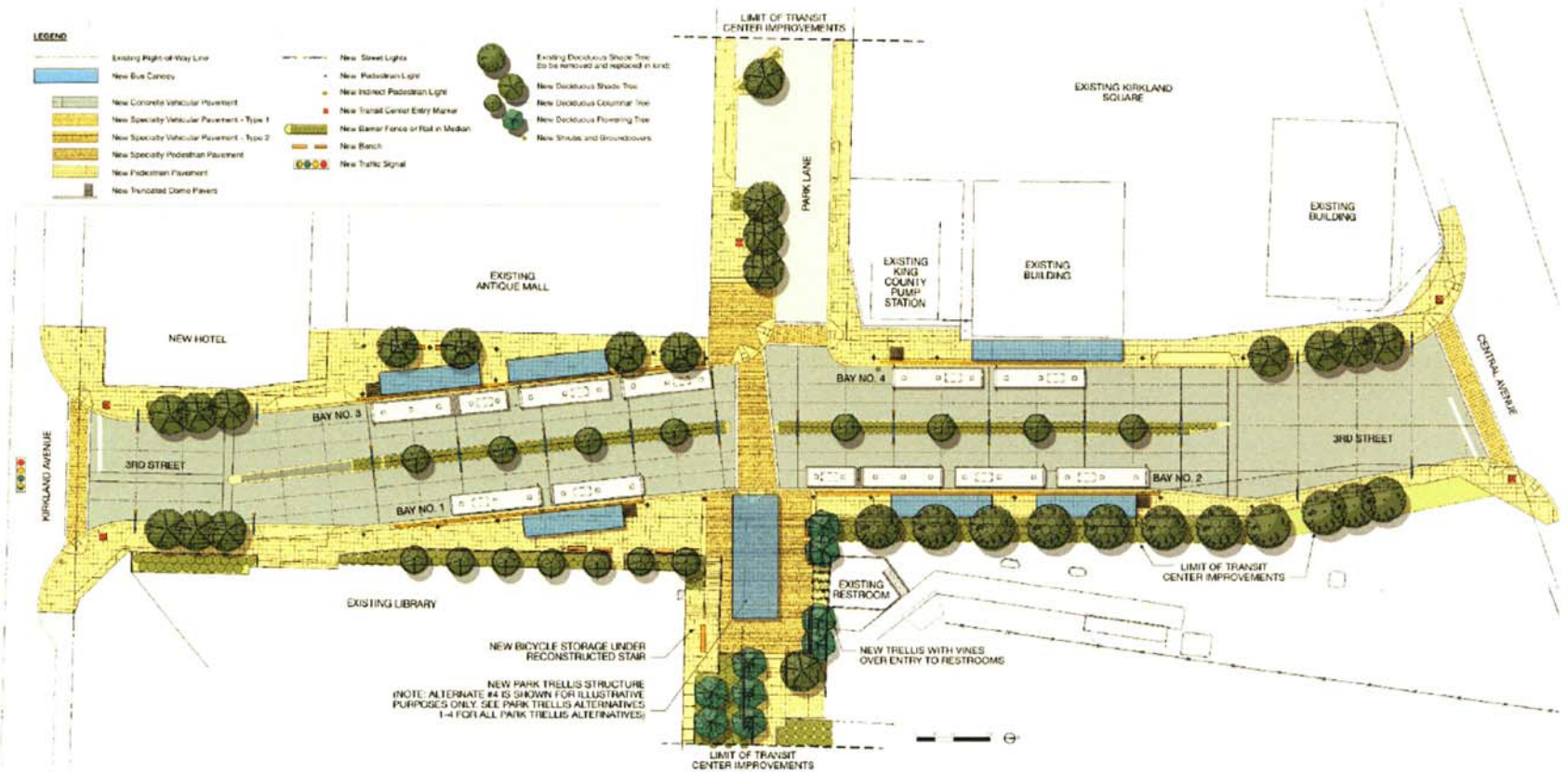
Attachment B

Project Design Milestones

		Available product at			
Design trade	**major element**	**For study session**	**30% design**	**60% design**	**90% design**
Civil	ped crossing	concrete pavers/stamped	location on paving plan	location and dimensions, flashing crosswalk system shown at applicable locations	location and dimensions, flashing crosswalk system shown at applicable locations
	Stormwater System	vault for treatment, no detention required	vault size and location	major structural components	all vault details
	sidewalks	concrete pavers; 11' wide within transit center	Hard-scape and paving plan	preliminary paver types/ colors identified, patterns developed	final
	travel lanes	concrete with joint pattern	paving plan - travel lanes set in dimension (including adjacent ingress and egress limitations), pavement material identified	preliminary joint patterns developed	final
	signals	3rd/Kirkland, 3rd/Central, ped crossing (flashing crosswalk system)	chan plan, phase diagrams, controller locations, signal pole locations	wiring diagrams,	signal pole schedule
	retaining walls	behind NE shelters at Park	type, size and location	plan and elevation view	all structural details
Structural	various	yes	n/a (information provided only for preliminary foundation design)	draft	final
Architectural	shelters	cantilever w back/side weather protection based on Trellis concept selected	plans, elevations, sections, schematics, and finishes as appropriate	structural / electrical to structures, preliminary finishes and colors	final design complete
	central canopy	various alternatives including glass, structural members, trellis materials	plans, elevations, sections, schematic, and finishes as appropriate	structural / electrical to structures, preliminary finishes and colors	final design complete
	center median	6 ' landscaped with pedestrian barrier	rail placement;	early version of rail placement shown on hardscape plans, plants shown on landscape plans	detail regarding rail, planiting etc on appropriate drawings
	benches	yes	plans, elevations, sections, details, and finishes as appropriate	n/a	benches shown on architectrural drawings or generally located on hardscape plans with other misc. furnishings
	art	yes	artist selection		
Electrical	lighting, VMS, power	pedestrian and vehicular lighting, hookup for possible coffee stand	ID fatal flaws & costing, lighting pole locations, power feed location	identification of lighting pole/ fixtures, VMS locations and sizes	final

Attachment B

		Available Product at			
Design trade	**major element**	**For study session**	**30% design**	**60% design**	**90% design**
Mechanical		n/a	plumbing for maintenance room, preliminary ventilation if needed. Potential future hookups for coffee stand. Hose bib locations	plumbing for maintenance room, preliminary ventilation if needed. Potential future hookups for coffee stand. Hose bib locations	final
Landscape/irrigation	landscaping	yes	plans to generally identify plant types (trees, areas of shrub, gound cover, and turf	preliminary species and number identified	complete landcape plan
	irrigation	yes	plans generally identifying extent of system and point of connection for water and electric	identify if irrigation system will function as an extension of existing Peter Kirk Park System	determine if designed by consultant or contractor
All	sustainable design	yes	identify sustainable design elements to be further developed	items and locations	details and final
	CPTED	yes	incorporated in design	incorporated in design	incorporated in design
	cost estimate	$13.3 million project budget	30% estimate of probable construction cost and confirmation of project budget	60% estimate of probable construction cost and confirmation of project budget	final estimate of probable construction cost and confirmation of project budget



Illustrative Site Plan

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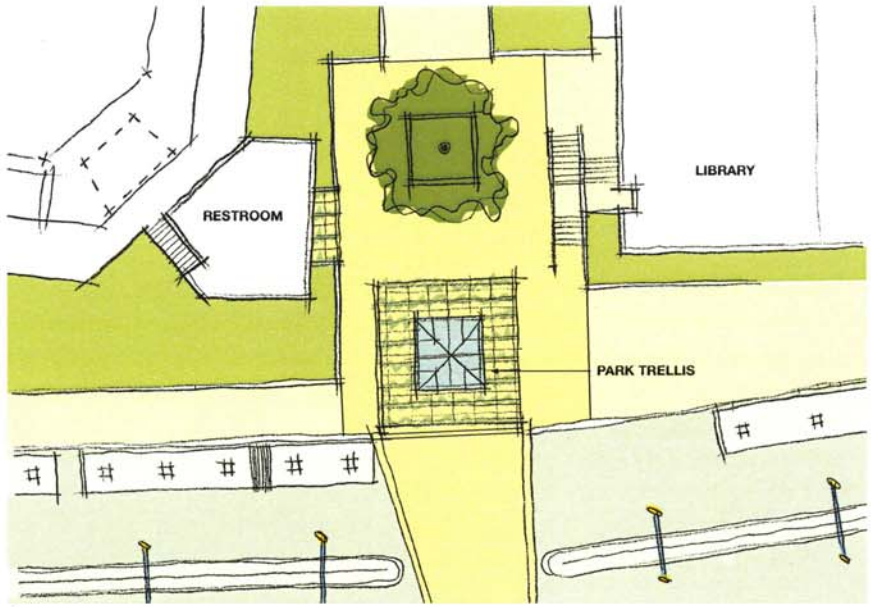
Kirkland Transit Center
September 18, 2007

Attachment C

Elevation Looking East



Plan

Park Trellis Alternative #1

Kirkland Transit Center
September 18, 2007

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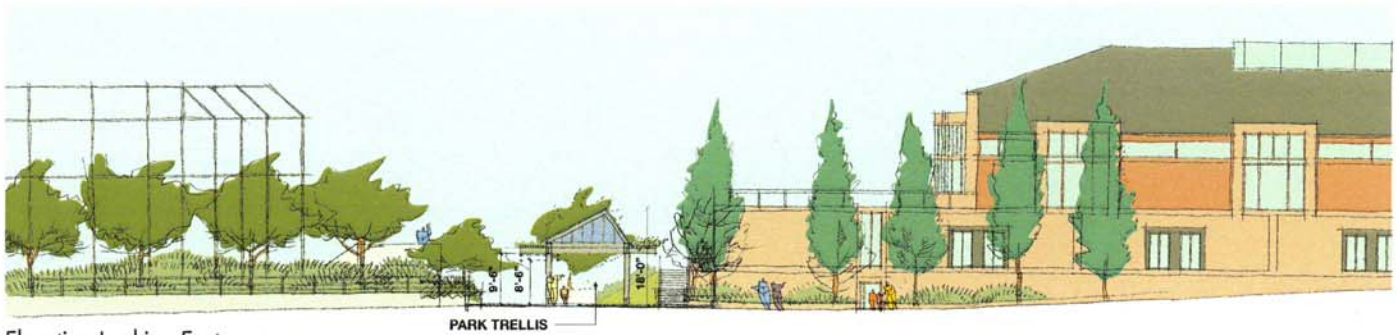
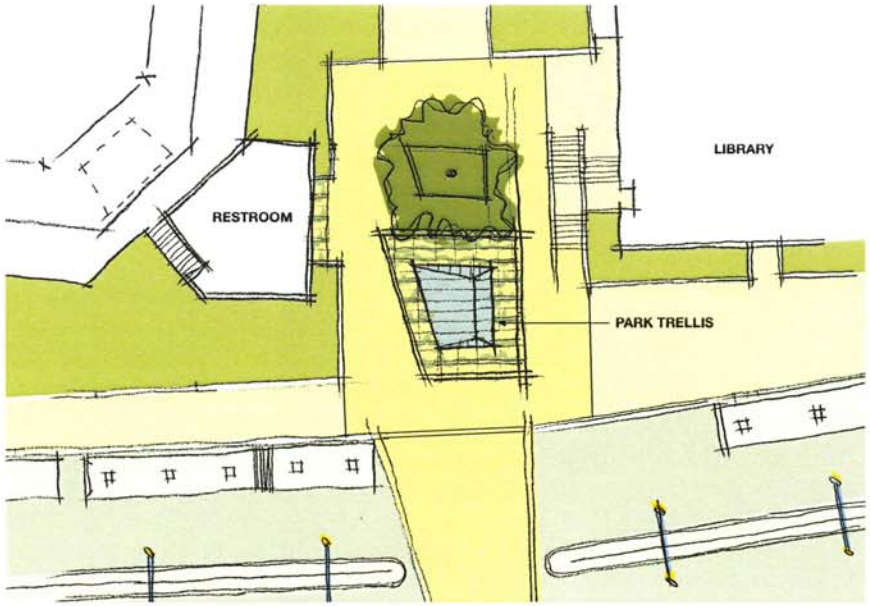
Attachment D



Elevation Looking East



Plan

Park Trellis Alternative #2

Kirkland Transit Center
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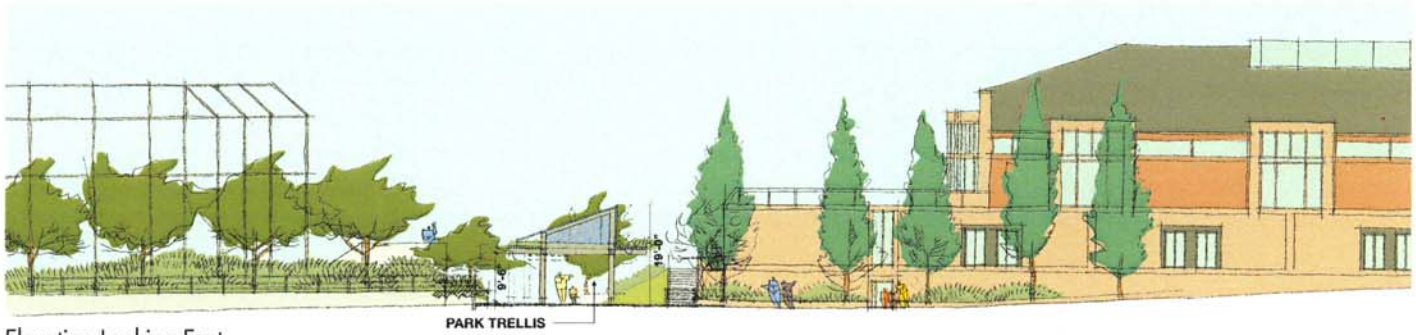
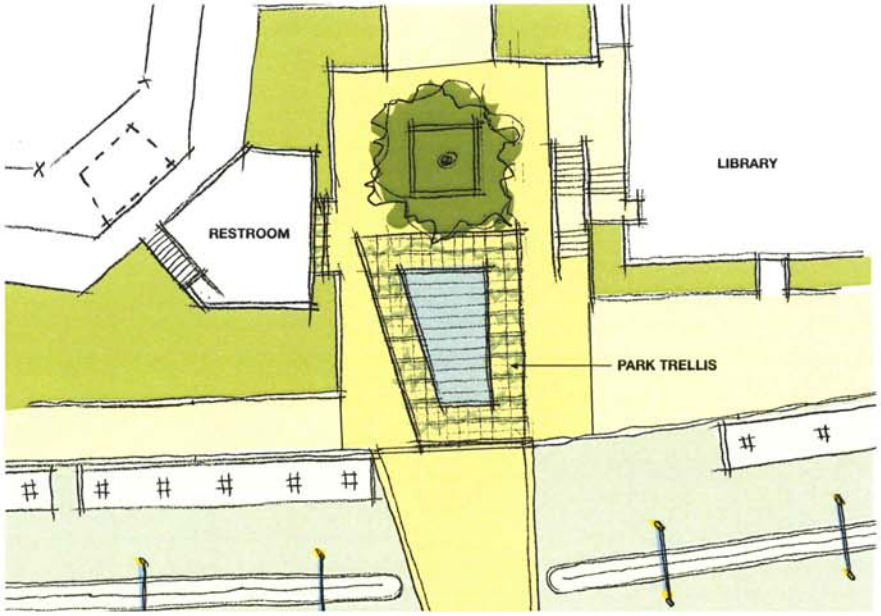
Attachment E



Elevation Looking East



Plan

Park Trellis Alternative #3

Kirkland Transit Center
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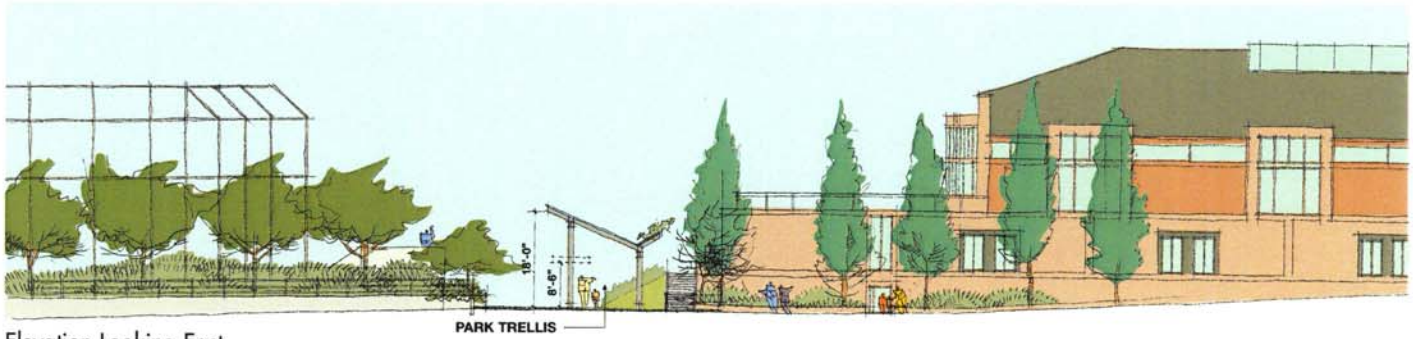
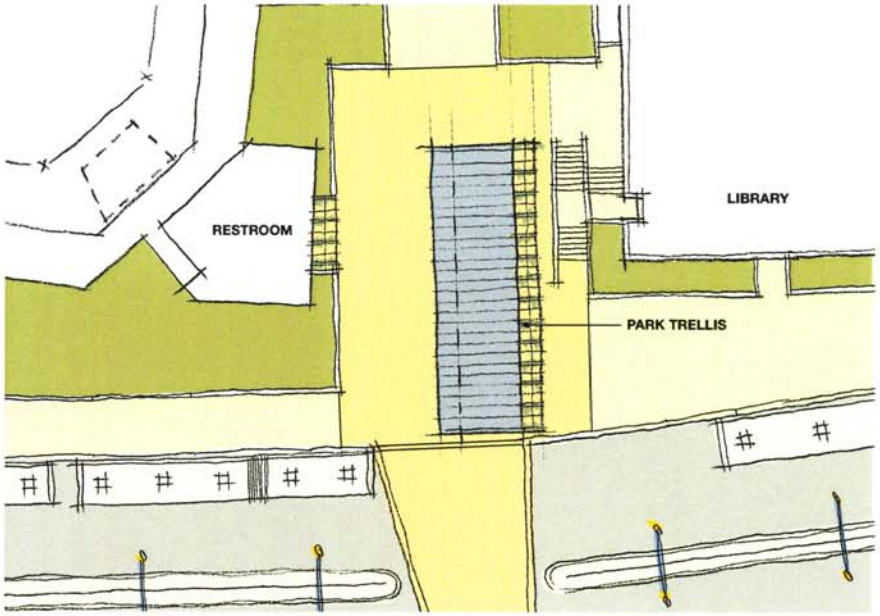
Attachment F



Elevation Looking East



Plan

Park Trellis Alternative #4

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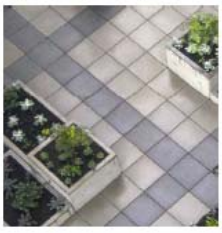
Attachment G

Precast Concrete Pavers

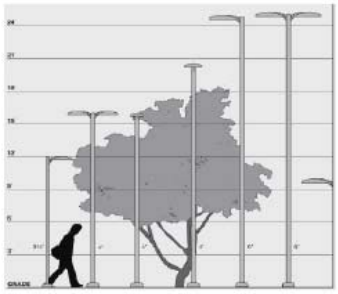


Granite Pavers

Potential Options for Pedestrian Paving

Option #1 (Hess America, Corona 900)

Option #2 (KIM, Warp9)



Option #3 (Selux, Stradex 500)

Potential Options for Street Lighting 1 of 2

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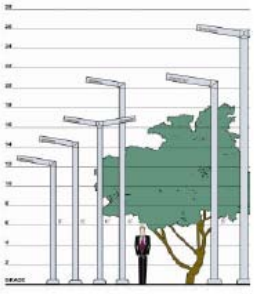
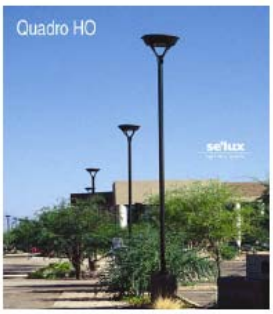
Option #4 (KIM, Outdoor Tube)



Option #5 (Selux, Quadro HO)



Potential Options for Street Lighting 2 of 2

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Option #1 (Bega, 8996)

Option #2 (Selux, Ritorno SA)

Potential Options for Indirect Pedestrian Lighting 1 of 2

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Option #3 (Selux, Ritorno RA)

Option #4 (Bega, 8208)

Potential Options for Indirect Pedestrian Lighting 2 of 2

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