



MEMORANDUM

DATE: February 21, 2007

TO: Transportation Commission

FROM: Kevin McDonald AICP, Senior Transportation Planner, 452-4558
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SUBJECT: Bel-Red Subarea Plan - Transportation Projects

At the February 28 meeting, I will provide an overview of the several major transportation system project ideas envisioned for the Bel-Red Subarea. This overview will provide a planning level look at these projects and precedes a review of the more detailed plans that are currently being designed, analyzed and costed.

Bel-Red Corridor Project Implementation Schedule

DATE	TOPIC	ACTION
October 10	Joint Boards and Commission meeting to review final recommendation and receive direction from Council.	None requested
October 11	Overview charge to Transportation Commission. Review Comprehensive Plan components to be amended (work plan)	Approve work plan <i>Commission approved work plan</i>
October 25	Review proposed changes: <ul style="list-style-type: none"> • Eastside Transportation Program • Bridle Trails, Bel-Red and Crossroads Transportation Facility Plan 	Review projects and provide preliminary recommendation
November 15	Review proposed changes: <ul style="list-style-type: none"> • Eastside Transportation Program • Bridle Trails, Bel-Red and Crossroads Transportation Facility Plan • Bel-Red Corridor Project List 	Review projects and provide preliminary recommendation
December 13	Review proposed Subarea Plan: <ul style="list-style-type: none"> • Bel-Red Subarea Plan outline format and policy topics 	Review plan outline and proposed policy topics and provide recommendation on modified and/or additional policy topics.
January 10	Review proposed policy changes: <ul style="list-style-type: none"> • Bel-Red Subarea Plan 	Review draft policies
January 24	Review proposed policy changes: <ul style="list-style-type: none"> • Bel-Red Subarea Plan 	Review draft policies and provide preliminary policy recommendation to the Planning Commission
February 28	Review proposed transportation projects	Review and discuss Bel-Red Subarea plan project list
March 13	Review proposed project changes: <ul style="list-style-type: none"> • Eastside Transportation Program • Bridle Trails, Bel-Red and Crossroads Transportation Facility Plan • East Bellevue Transportation Plan 	Review and discuss the consolidation of several transportation facility plans
TBD	<ul style="list-style-type: none"> • Overview of recommended project changes 	Provide preliminary recommendation to the Planning Commission

Recap of January 24 Transportation Commission Meeting

At the January 24 meeting, the Commission recommended changes to the draft Bel-Red Subarea Plan transportation policies. For the most part, the Commission supported the draft transportation policies as appropriately reflecting the Steering Committee's vision. Areas where draft policies were clarified or where additional policy direction was needed are summarized as follows:

- S-BR-H3. Enhance policy language to protect future right-of-way.
- S-BR-H4. Ensure that pedestrian and bicycle facilities are included in roadway design.
- S-BR-H11.5. New policy to add emphasis to the importance of designing for pedestrian and bicycle facilities.
- Transit section discussion. Acknowledge the future King County Metro "Rapid Ride" transit service.
- S-BR-H20.2. Support a Transportation Management Association in the Bel-Red area.
- S-BR-H20.3. Use parking supply as a tool to discourage single occupant vehicle commuting.

The Transportation Commission's transmittal of policy recommendations to the Planning Commission occurred on February 27. A public hearing on the Bel-Red Subarea Plan is currently scheduled for April 30, although this date may change.

Bel-Red Subarea Plan Transportation Projects

The Bel-Red Corridor Project Final Environmental Impact Statement identified a multi-modal transportation system to support the preferred land use pattern and development program. Analysis in the EIS demonstrated that new projects would be required to achieve the multi-modal mobility envisioned by the Steering Committee, and to mitigate the impacts of development. Subsequent to the FEIS, a couple additional projects have been identified that could enhance mobility.

Arterial projects, transit service, pedestrian and bicycle facilities and neighborhood protection strategies are each components of the overall set of transportation projects. In many situations, arterial design would include provisions for transit and non-motorized transportation. A policy recommendation from the Transportation was to include non-motorized facilities in the design of new arterials. Several City departments are working together to incorporate pedestrian and bicycle facilities in planning for stream corridors and parks, as well as along streets. The City is also working closely with Sound Transit to incorporate light rail through the Bel-Red Corridor as a component of the design for the new NE 15th/16th Street, with consideration for various alternatives for stations and at-grade and grade-separated arterial crossings.

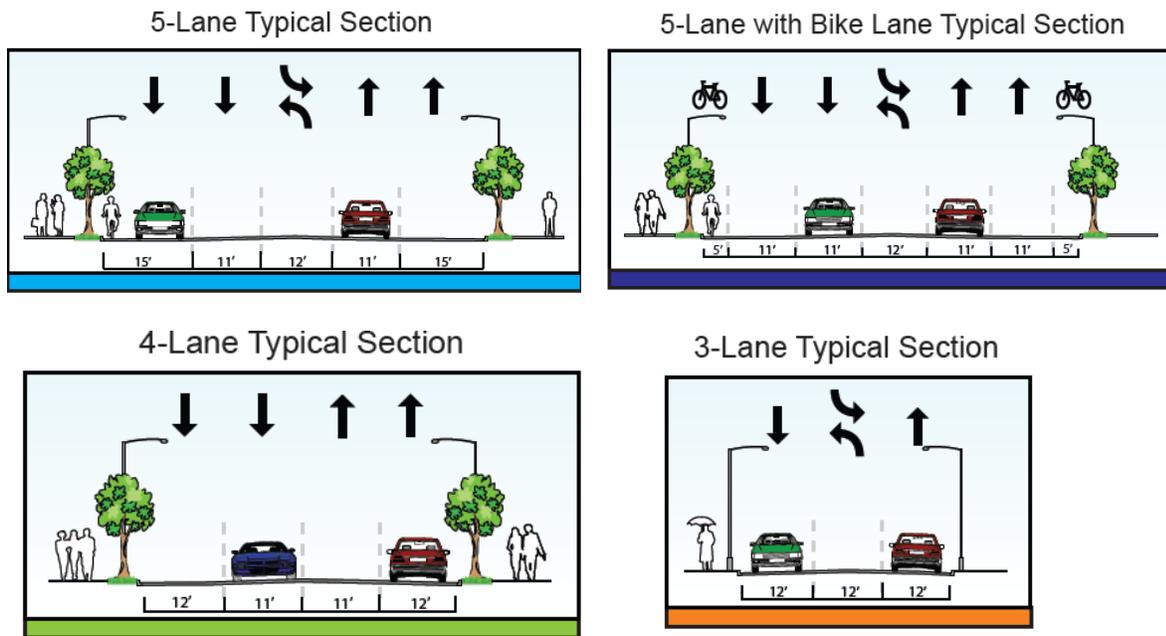
What follows is a general description of the major arterial projects proposed for the Bel-Red Subarea, and graphic illustrations of typical roadway sections.. Maps of roadway projects and arterial classifications are attached at the end of this memo.

Bel-Red Subarea Proposed Arterial Projects				
Arterial Project	Source	Preliminary Design	Classification and Primary Function	Secondary Function(s)
NE 15 th /16 th Street (116 th Avenue NE to 136 th Place NE)	FEIS	5-lanes with LRT Frontage road with parking on north side at nodes	Minor arterial Accommodate approximately 30,000 vehicles per day	Major transit corridor Major pedestrian and bicycle corridor with connections "Green" corridor On-street parking in nodes on frontage road
136 th Place NE	FEIS	3-lanes with LRT	Minor arterial Accommodate approximately 12,000 vehicles per day	Major transit corridor Pedestrian facilities Bike lanes
124 th Avenue NE	FEIS	5-lanes Connects with SR 520 and proposed ramps to and from the east Connect with Bel-Red Road with an improved intersection or "bypass"	Major arterial Accommodate approximately 22,000 vehicles per day	Transit connections Ped/bike facilities
120 th Avenue NE	FEIS	5-lanes Connect directly to NE 8 th Street	Minor Arterial Major Arterial south of NE 16 th Street Accommodate approximately 15,000 vehicles per day	Transit connections Major bicycle corridor Pedestrian facilities
116 th Avenue NE	FEIS, subsequently modified	5-lanes Now proposed to be retained as 4 lanes	Minor Arterial Major arterial south of Bel-Red Road/NE 12 th Street Accommodate approximately 23,000 vehicles per day	Transit connections Ped/bike facilities
NE 10 th Street Extension	FEIS, subsequently modified	4-lanes 116 th Avenue NE to 124 th Avenue NE	Minor Arterial Accommodate approximately 25,000 vehicles per day	Pedestrian facilities
130 th Avenue NE	FEIS, subsequently modified	2-lanes north of NE 16 th Street 3-lanes south of NE 16 th Street	Collector Arterial Accommodate approximately 14,000 vehicles per day	Transit connections Pedestrian-oriented retail street with on-street parking north of NE 16 th Street
Northup Way	FEIS In current CIP for construction 2010/2011	5-lanes Add eastbound lane between 120 th Ave NE and 124 th Ave NE	Minor Arterial Accommodate approximately 18,000 vehicles per day	Transit connections Pedestrian facilities Bicycle lanes
Northup Way	FEIS In current CIP for design	3-lanes west of 120 th Avenue NE	Minor Arterial Accommodate approximately 20,000 vehicles per day	Transit connections Pedestrian facilities Bicycle lanes
"Hospital Connection"	Subsequent analysis	4/5 lanes	Major Arterial Projected traffic volume not available	Ped/bike facilities

Typical Arterial Cross Sections

Arterial design alternatives are being developed and will be discussed with the transportation commission at an upcoming meeting. Each arterial will incorporate a unique set of components - lanes, medians, ped/bike facilities, landscaping, natural drainage, etc. appropriate to its function and location. In the case of arterials such as NE 15th/16th, the design of the street will be changed to support the vision for the areas through which it passes – nodes with LRT stations, non-node redevelopment areas, stream corridor/park interface.

The following diagrams represent typical cross sections for 3, 4, and 5-lane arterials. Where no turns are anticipated, the center turn lane could be designed as a landscaped median.



Transportation Commission Action on February 28

At this meeting the Commission will review and discuss proposed arterial projects and other components of the transportation system. While no action is requested at this time, the discussion will help staff in developing the project recommendation. At subsequent meetings, staff will present more detailed function, design and cost information, and a recommendation on the set of transportation projects to be included in the Bel-Red Subarea plan will be requested.

Please feel free to contact me if you have any comments or questions.

ATTACHMENTS

1. **A, B, C.** Transportation Maps (Roadway phasing, existing classification, proposed classification)



Bel-Red Corridor

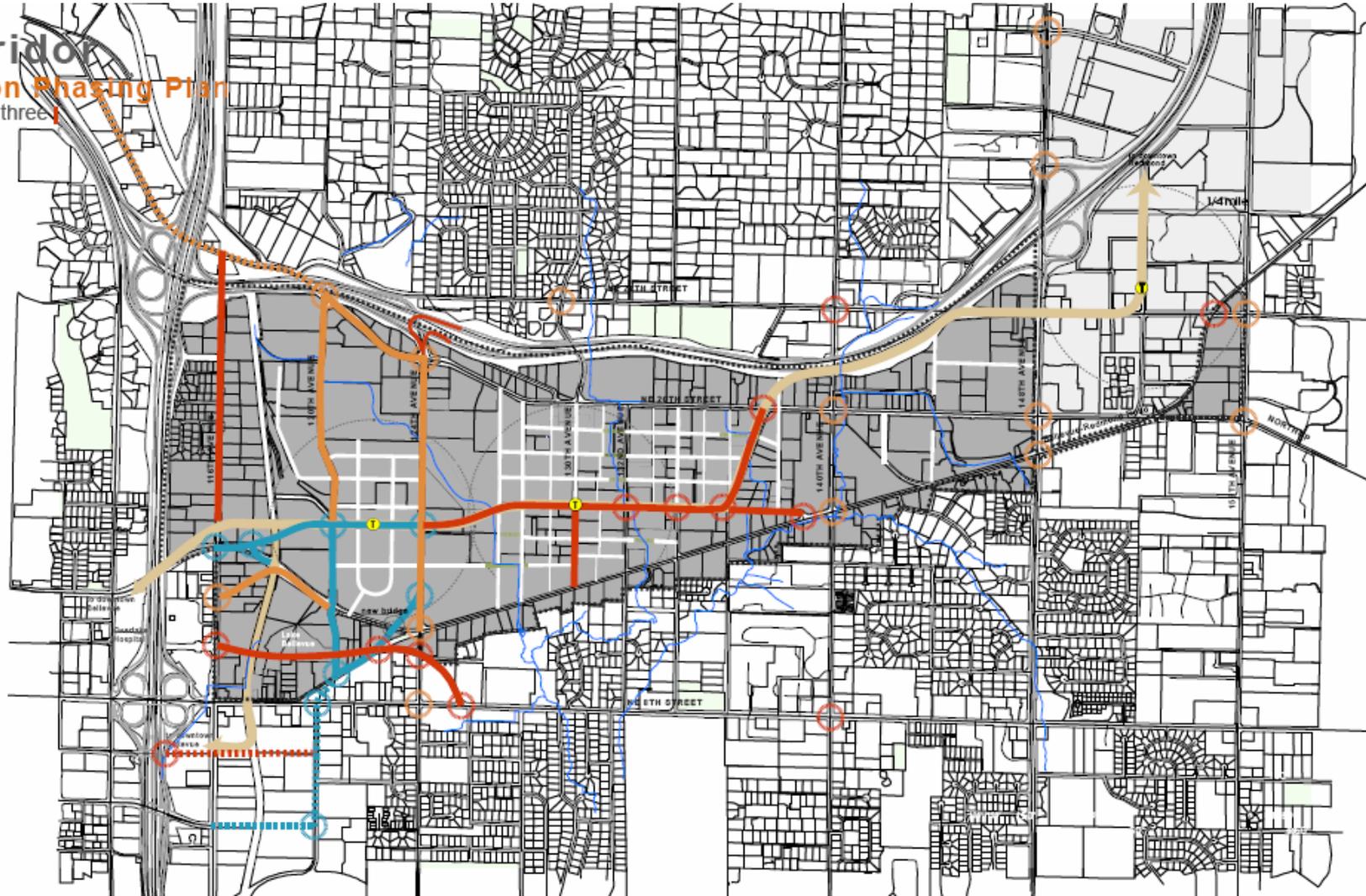
Draft Transportation Phasing Plan

phase one | phase two | phase three

This is based on the overall list of transportation projects that was identified in the project steering committee's recommendation, plus additional technical work that has been done to date. Additional technical work needs to be done to identify project parameters, design, and cost.

In addition to the projects shown on the map, there will likely be additional project mitigation ideas identified for East Bellevue as part of the update to the Bel-Red Overlake Transportation Study (BROTS) inter-local agreement with the City of Redmond.

As outlined in the steering committee recommendation, as transportation projects are developed neighborhood traffic calming and context-sensitive design strategies will be identified on a neighborhood-by-neighborhood basis to minimize spillover impacts on adjacent neighborhoods.



- potential light rail route
- intersection improvements
- proposed projects outside of study area
- stream corridors
- 2008-2013
 - phase one
- 2014-2020
 - phase two
- 2021-2030
 - phase three
- 1/4 mile



CITY OF BELLEVUE updated January 08, 20 08

Bel-Red Corridor

Draft Proposed Arterial Hierarchy Diagram

- stream corridors
- major arterial
- minor arterial
- collector arterial

