

Village Atmosphere: Landscape Options

During Pre-Design Consultation in Lions Bay, members of the community expressed their support for sustaining or improving the village atmosphere through highway design. A number of features that contribute to village atmosphere, such as safety, reduction of traffic speed and traffic noise were identified as priorities. These priorities have been addressed through the inclusion of a median in the highway design.

The median:

- Provides separation between opposing lanes
- Improves safety while providing a traffic calming measure by signaling to drivers that the highway is in an urban environment which encourages speed reduction and
- The resulting lower speed contributes to a reduction in traffic noise

There will be three median areas widened to 4 metres (totaling a length of approximately 400 metres) to provide additional or comprehensive planting.

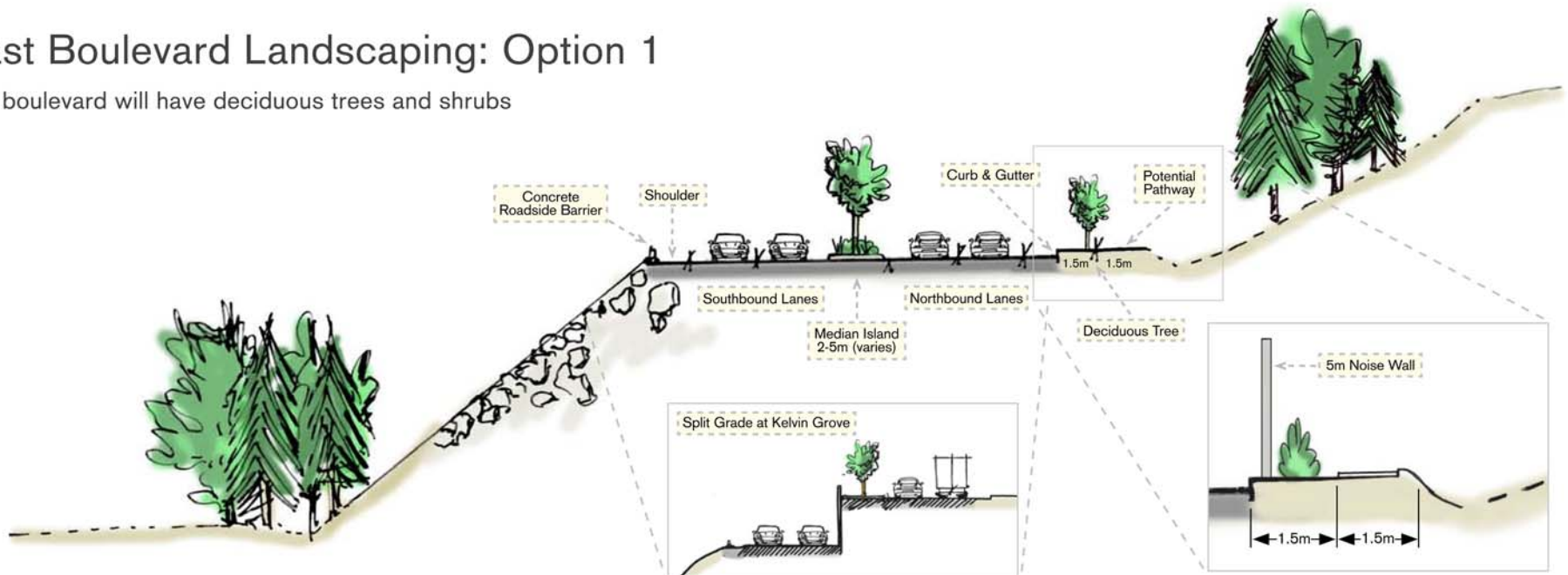
In addition to the centre median, provision has been made in the design to accommodate an east boulevard from Kelvin Grove Mini-Change through to Brunswick Beach Mini-Change.

As part of village atmosphere and to provide better connectivity for the village, the project team has worked with and will continue to work with the Lions Bay Trail Committee to identify a north-south pedestrian access from Kelvin Grove to Brunswick Beach. This access will be in the form of a path and it will be part of the 3 metre wide east boulevard from Kelvin Grove to Brunswick Beach. Location of the path within the boulevard, surface treatment and other possible design options will be part of Detailed Design Consultation.

The community is being asked to provide input on village atmosphere options including landscaping the east boulevard and interchange lighting options.

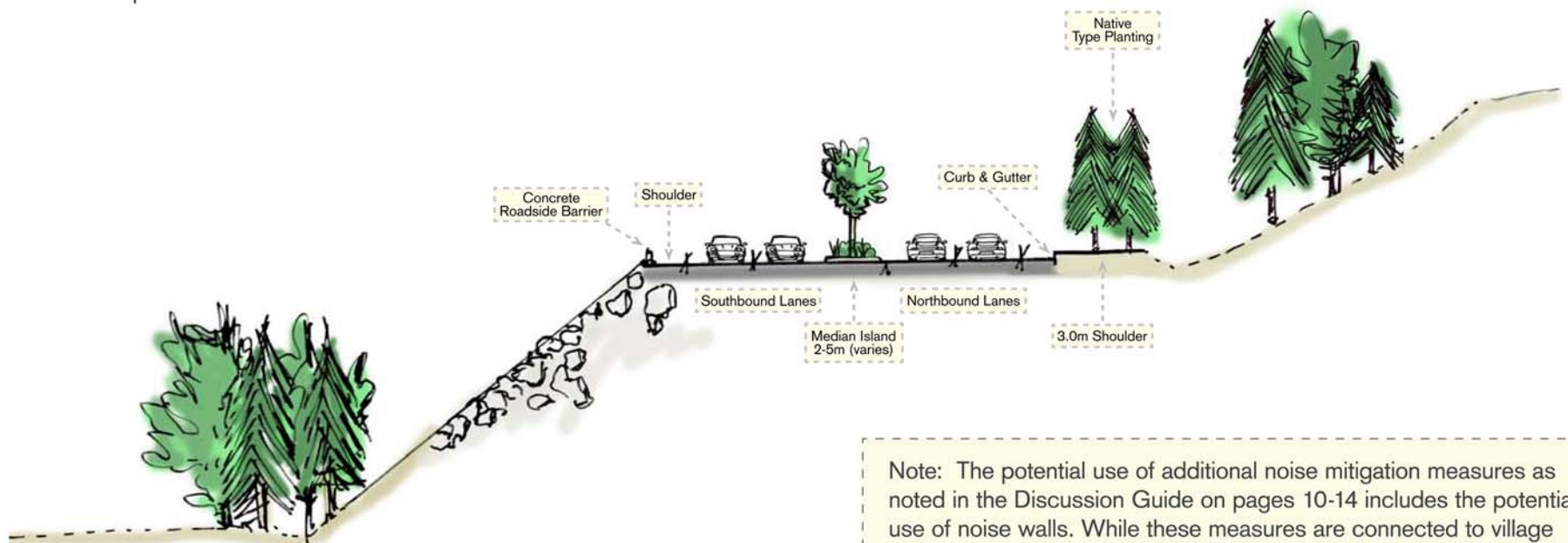
East Boulevard Landscaping: Option 1

The boulevard will have deciduous trees and shrubs



East Boulevard Landscaping: Option 2

The boulevard will have clusters of native trees where boulevard width permits



Note: The potential use of additional noise mitigation measures as noted in the Discussion Guide on pages 10-14 includes the potential use of noise walls. While these measures are connected to village atmosphere, we are asking the community for feedback on these items separately. The final mixture of additional noise reduction and village atmosphere will be part of the Detailed Design Consultation.

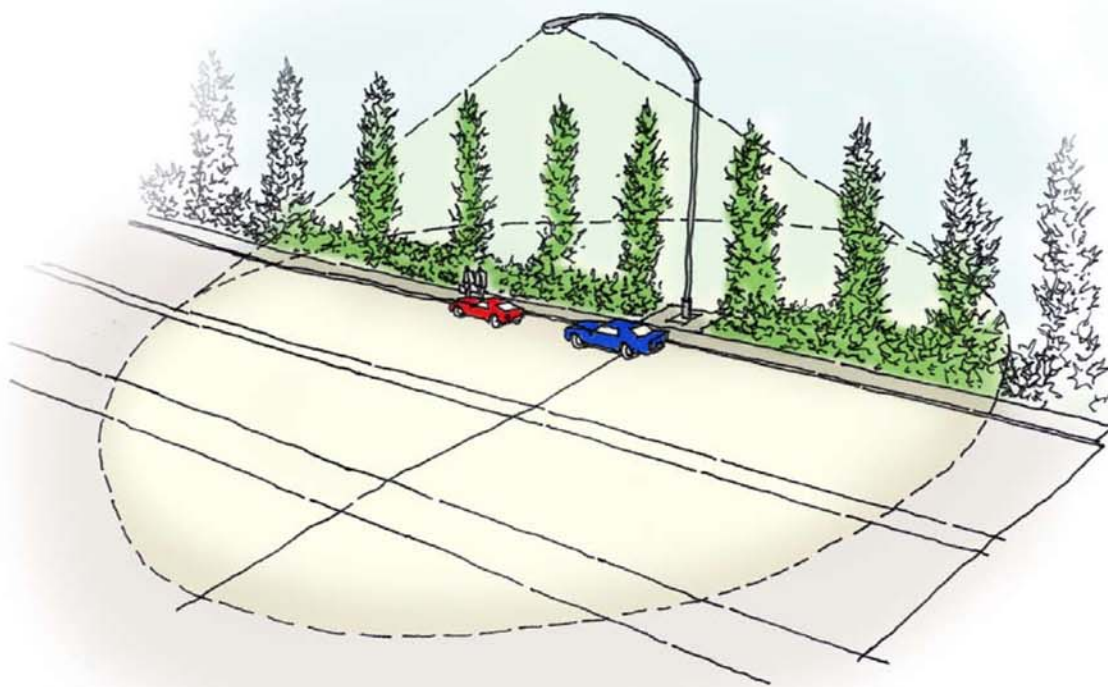
Village Atmosphere: Interchange Lighting Options

The Ministry of Transportation requires that lighting be provided at interchanges including the associated on and off ramps. The new mini-changes at Kelvin Grove and Brunswick Beach will be lighted to a level that ensures safe of operation. The existing interchange at Lions Bay Avenue is currently lit to this level.

Traditional highway lighting consists of 11-14m high "davit" style light poles with high pressure sodium lights, spaced at approximately 45m along the highway. These lights are very efficient at lighting the roadway due to their height and the use of high capacity lamps.

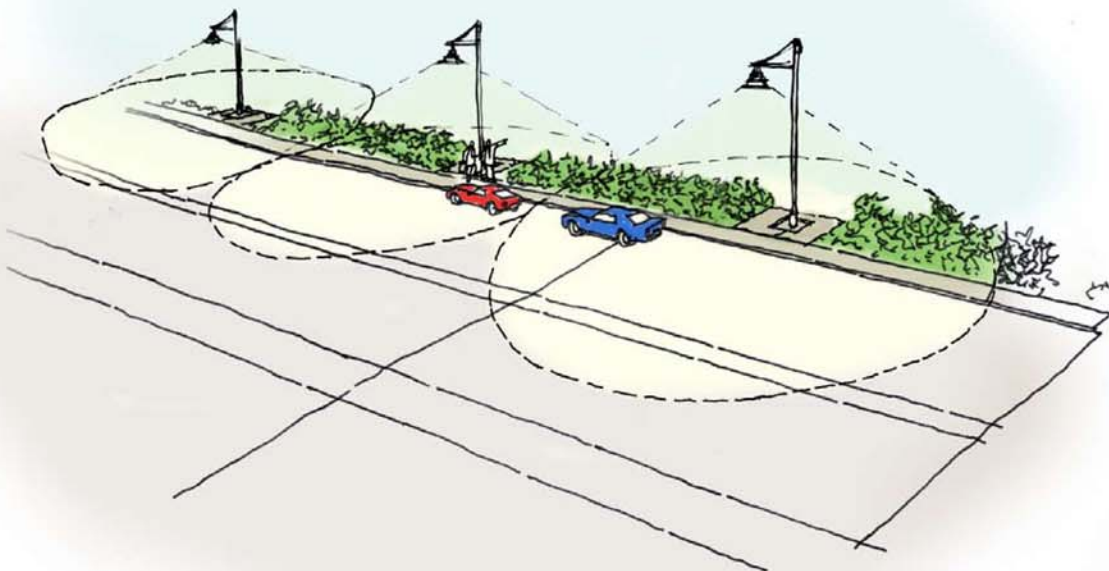
Architectural style lights are 4-4.5m high. These lower height light poles do not require high capacity lamps to give the same light intensity at ground level; however more light standards are required over a given area since the lower mounting height of the lamp results in a narrow range of light. Architectural style lights are traditionally spaced at approximately 12-15m along the roadway, three architectural style lights would be required to cover the same area as one standard davit style light.

Standard Highway Lighting: Option 1



Highway lighting with standard height highway light poles (11 - 14m high) are presently in use at the Lions Bay Avenue interchange. These poles are high enough so that they can be effective without regard to the type of trees and landscaping selected in that immediate area. While more efficient, they potentially would be more visible to residents in the immediate vicinity of the interchange.

Architectural Lighting: Option 2



Highway lighting with an architectural style light (4 - 4.5m high). This style of light will create a more urban feel since it is normally used only in urban situations. This type of light will require much closer spacing than commonly used highway lights to achieve the same illumination due to the lower height and lower lamp wattage.

This type of light is similar in height to street trees and will therefore be impacted by planting, which may result in planting restrictions near these lights but would not have any impact on landscaping choices in other parts of the village.