

DRAFT

Subtopic E5: Operation and Maintenance

Eight public and agency comments were received on the E5: Operation and Maintenance subtopic. From those eight comments, four common concern statements were created. Themes to emerge from the E5: Operation and Maintenance subtopic include:

- The Draft PEIS did not identify the technology that would be used for the Reversible/HOV/HOT Lanes alternative to safely reverse the lanes, the projected annual cost of that technology, and where the technology is currently used.
- The Draft PEIS did not address the experience of other guided bus systems operating in steep terrain or how the Transit alternatives would perform when climbing steep grades in heavy snow.
- There are issues associated with winter maintenance for Transit alternatives, including snow storage and removal.
- In regard to Highway alternatives, there are concerns about roads being properly prepped and plowed and about the need to resurface asphalt every six years.

CCS No.	Transportation Common Concern Statements (CCSs)
Subtopic E5: Operation and Maintenance	
E5-a	<p>Operation of the Reversible/HOV/HOT Lanes Alternative</p> <p>The PEIS does not address the following operation issues associated with the Reversible/HOV/HOT lanes alternative:</p> <ul style="list-style-type: none"> • What technology would be used to safely reverse the lanes • The projected annual cost of that technology • Where it is currently used
E5-b	<p>Transit Operational Issues</p> <p>The PEIS does not address or discuss the following operational issues associated with Transit alternatives:</p> <ul style="list-style-type: none"> • The experience of other guided bus systems operating in steep terrain • How the Bus in Guideway or AGS alternatives would perform when climbing steep grades in heavy snow • Whether other types of bus lane options were considered, such as continuous access bus lanes (including whether technologies are available to police these lanes) or standard separated right-of-way bus lanes
E5-c	<p>Winter Maintenance Issues for Transit Alternatives</p> <p>Winter maintenance issues associated with Transit alternatives include the following:</p> <ul style="list-style-type: none"> • Snow storage and removal could be problematic in barrier-separated bus facilities. • The electric power rail for dual-mode buses and the guidance wheels for both types of buses would probably be adversely affected by winter snow and snow removal methods. (The only other bus in guideway system built, in Germany, was shut down after the first snowstorm, when workers were required to manually remove ice between the rails.) • The PEIS does not address the maintenance history of systems using AGS technology.
E5-d	<p>Maintenance Issues for Highway Alternatives</p> <p>The following maintenance issues are associated with Highway alternatives:</p> <ul style="list-style-type: none"> • Roads must be properly prepped and plowed or six lanes will come to a standstill if one person loses control on icy roads. • Major construction and traffic problems will continue due to the need to resurface asphalt approximately every 6 years.