

**COLORADO ADVANCED GUIDEWAY SYSTEM
REQUEST FOR STATEMENTS OF TECHNOLOGY INFORMATION
ADDENDUM 2
SEPTEMBER 17, 2012**

3.1 Travel Time

Delete the last paragraph and replace with:

In addition, Technology Providers must also describe how their technology will accommodate both local and express traffic simultaneously for systems that connect to stations with vehicles that arrive/depart on a scheduled basis. The Technology Providers shall demonstrate how their system will be able to accommodate, at a minimum, the peak period demands of 4,900 passengers per hour in the peak direction by 2035.

4.0 REVIEW OF STATEMENTS OF TECHNICAL INFORMATION

Delete entirety of Section 4.0 and replace with:

The current assessment effort for the AGS is focused on reaching a feasibility determination as required by the I-70 Mountain Corridor Record of Decision. The goal of this information gathering is not to select a preferred technology, but to complete the feasibility analysis using characteristics of a group of technologies that meet both the system performance and operational criteria and the Technology Readiness Level criteria described in Section 3.0. Therefore, it is anticipated that all technologies that submit a SOTI and pass the qualification screening will be included to some degree in the alignment design phase and subsequent feasibility analysis. This evaluation is not, in any way, intended to exclude individual technologies or vendors from further consideration at a later stage of project development. If a decision is made to move forward with subsequent environmental work and project implementation, technologies that do not meet both the system performance and operational criteria and the Technology Readiness Level criteria described in Section 3.0 will not be precluded from subsequent participation. However, participation in this information gathering process by Technology Providers is important because feasible technologies are essential to completing the feasibility assessment.

The SOTIs will be reviewed by the Consultant Team. The first review will be a qualification screening. The qualification screening will be based on Technology Providers' responses to the following criteria. These criteria were selected as they reflect the requirements of the ROD for the I-70 Mountain Corridor PEIS and criteria established by CDOT with endorsement by the PLT. To be further evaluated, a technology must meet all of these criteria.

- (i) Qualification Criteria 1: Travel Time (Section 3.1) – Responses as to how the technology will meet the minimum speed requirements and provide a minimum capacity of 4,900 passengers per hour in the peak direction by 2035 will be evaluated to determine if the technology is qualified for further analysis.

- (ii) Qualification Criteria 2: Grade (Section 3.5) – Responses as to how the technology can cost-effectively traverse the grades within the I-70 Mountain Corridor will be evaluated to determine if the technology is qualified for further analysis.
- (iii) Qualification Criteria 3: Safety (Section 3.6) – Responses to how Technology Providers will meet applicable safety standards and test data or system expectations concerning safety will be evaluated to determine if the technology is qualified for further analysis. Responses to how the technology addresses requirements to provide grade-separated and wildlife crossings, an access controlled guideway, emergency egress from the vehicles and guideway including guideway on structure and guideway in tunnels, and system security will be evaluated to determine if the technology is qualified for further analysis.
- (iv) Qualification Criteria 4: Weather/Wind (Section 3.7) – Responses as to how technologies can operate in severe weather events and extreme alpine windstorms while still maintaining safety and reliability will be evaluated to determine if the technology is qualified for further analysis.
- (v) Qualification Criteria 5: Light Freight (Section 3.11) – Responses from Technology Providers as to how they will be able to accommodate light freight will be evaluated to determine if the technology is qualified for further analysis.
- (vi) Qualification Criteria 6: Technology Readiness (Section 3.25) - Responses as to how the technology will meet the Technology Readiness Level (TRL) requirements (3.25) will be reviewed. Because being at TRL 9 by 2017 is a prime requirement of the candidate technologies, this is a qualification criterion. The Consultant Team will assess the Technology Provider's verified plan to attain Technology Readiness Level 9 by 2017 and will determine, based on the current TRL and the demonstrated ability to reach TRL 9 by 2017, if the technology is qualified to be included for further analysis.
- (vii) CDOT reserves the right to modify the qualification criteria at any time or to include technologies that they feel have merit, regardless of their meeting the qualification criteria.

Once the Consultant Team has identified those technologies that meet the qualification criteria, the Consultant Team will review and evaluate the remaining SOTIs for all other criteria. They will then recommend the most promising technologies for further analysis in three technology groups. At this time, those groups are:

- (i) Technology Group 1 – Technologies that could be operated wholly within the I-70 right-of-way (except to deviate to stations).

- (ii) Technology Group 2 – Technologies that could not operate within the I-70 right-of-way due to grade or curvature issues.
- (iii) Technology Group 3 – A hybrid of the first two groups, these technologies could operate within the I-70 right-of-way for a significant portion of the route, but that would have to deviate from the right-of-way in places due to grade or curvature.

For each technology group, the Consultant Team will identify technologies to invite to provide a presentation at the Technical Forum (See Section 5.0). These selections will be confirmed by CDOT. Once confirmed, notification will be made to all Qualified Technology Providers. It is anticipated that notifications will be made the week of November 12, 2012.

5.0 TECHNOLOGY FORUM

Delete Section 5.0 and replace with:

All Technology Providers that have submitted qualified SOTIs may participate in a Technology Forum to be held the week of December 10, 2012 at a location in the Denver metropolitan area. Invitations to make presentations at the Technology Forum are anticipated to be sent to qualified Technology Providers the week of November 12, 2012. Technology Providers not invited to make presentations will be allowed to have information booths where they can present their technologies. The Technology Forum will be open to Project Leadership Team, CDOT staff and Transportation Commissioners and the Consultant Team. Additional Technology Forum details will be issued at the time that Qualified Technologies are notified.

6.0 THE PROCESS

Delete Table 6.0-1 and replace with:

Table 6.0-1 - Proposed Project Schedule

Event	Date
Advertising RFSOTI	09/07/12
SOTI Due	10/10/12
Release List of Feasibility-Level Technologies	11/12 to 11/16/2102
Technology Forum	TBD – Week of 12/10 to 12/16/2012
Financial RFI Issued (to Concessionaires)	Late March/Early April 2012
Financial RFI Due	Late April/Early May 2012
Draft Feasibility Study & Implementation Plan Due	07/10/13
Final Feasibility Study & Implementation Plan	09/01/13