## Performance Measures

Performance Measures are used to explore how different policy and investment projects can help achieve the objectives set for the Study.

### GOAL

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<th>CATEGORY 1: TRAFFIC AND TRANSPORTATION RELIABILITY AND CONGESTION REDUCTION</th>
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<tr>
<td><strong>PERFORMANCE MEASURE</strong></td>
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<td>MEASURE 1: Change from baseline conditions in AM peak period travel time between specified Origin and Destinations by auto/truck modes (except bike and walk)</td>
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<td>MEASURE 2: Change from baseline conditions in AM peak period transit travel time to major destinations</td>
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<td>MEASURE 3: Number of congested lane miles in Central Oahu.</td>
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Increase the reliability of the transportation system for users traveling by auto and transit between the Origin of Mililani Town Centre and the following regional Destinations:  
- Leeward Community College  
- Kapolei  
- Primary Urban Center (Honolulu)  
- University of Hawai’i – Manoa  
- Maili (Meheula Pkwy/Lanikuhana Ave)  
- Waipio (Crestview Community Park)  
- Waikiki (Fire Station)  

 Increase the reliability of the transportation system for users traveling from the following Origins within the COTS area:  
- Wahiawa (California Avenue/Kamehameha Highway)  
- Millilani Mauka (Millilani Mauka School)  
- Millilani (Meheula Pkwy/Lanikuhana Ave)  
- Wai'anae (Crestview Community Park)  
- Waikiki (Fire Station)  

### CATEGORY 2: MULTI-MODAL SYSTEM

Provide a balanced, multi-modal transportation system that allows transportation choices for all residents.  

**PERFORMANCE MEASURE** | **TYPE OF MEASURE** | **EXPLANATION** |
| MEASURE 4: Change from baseline conditions in total AM peak period auto travel time within the COTS area from the specified Origins to the following Destinations:  
- Millilani Town Center  
- Millilani Mauka Park and Ride  
- Central Oahu Regional Park  
- Koa Ridge  
- Pearl Highlands Transit Station | Quantitative | Measures reduction of time spent in congested lanes or intersections. |

MEASURE 5: Change from baseline conditions in AM peak period travel time between origins and destinations in Measure 4 via biking and walking.  

MEASURE 6: Amount of bus/rail transit service.  

MEASURE 7: Connectivity to rail transit and frequency of intermodal connections.  

MEASURE 8: Amount of pedestrian infrastructure.  

MEASURE 9: Amount of bicycle infrastructure.  

MEASURE 10: Improvements to existing bicycle and pedestrian system.  

Provide a balanced, multi-modal transportation system that allows transportation choices for all residents.

MEASURE 11: Contributes to mode split shift away from single-occupant vehicle.  

### CATEGORY 3: SAFETY & SECURITY

Improve the safety of the transportation system for all modes.  

**PERFORMANCE MEASURE** | **TYPE OF MEASURE** | **EXPLANATION** |
| MEASURE 12: Number of annual fatalities from vehicle collisions | Quantitative | Measures the number of vehicle related fatalities. |
| MEASURE 13: Rate of fatalities per 100 million vehicle miles | Quantitative | Measures the rate of fatal crashes. |
| MEASURE 14: Number of serious injuries by mode | Quantitative | Measures the number of vehicle related serious injuries. |
| MEASURE 15: Rate of serious injuries per 100 million vehicle miles | Quantitative | Measures the rate of crashes causing serious injury. |
| MEASURE 16: Number of non-motorized fatalities and serious injuries | Quantitative | Measures the number of fatalities and serious injuries involving pedestrians and bicyclists. |

### CATEGORY 4: ASSET MANAGEMENT

Ensure that pavement condition, bridges, and transit shelters are in a state of good repair.  

**PERFORMANCE MEASURE** | **TYPE OF MEASURE** | **EXPLANATION** |
| MEASURE 17: Roadway state of good repair | Quantitative | Measures the condition and priority need for repair of pavement using the State’s programs to improve and maintain the transportation system in a state of good condition. |

Ensure that pavement condition, bridges, pedestrian and bicycle facilities, and transit shelters are in a state of good repair.  

**PERFORMANCE MEASURE** | **TYPE OF MEASURE** | **EXPLANATION** |
| MEASURE 18: Bridges state of good repair | Quantitative | Measures the condition and priority need for repair of bridges using the State’s programs to improve and maintain the transportation system in a state of good condition. |

MEASURE 19: Sidewalk, bikeways, and multi-use path conditions.  

MEASURE 20: Transit shelter availability.  

MEASURE 21: Transit shelter conditions and amenities.  

Review of condition and amenities of existing transit shelters.