

# Big Cottonwood Canyon

SR-190 | Ft. Union Blvd. to Brighton

**STUDY**  
by UDOT

## Town of Brighton

December 9, 2025

*The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by UDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated May 26, 2022, and executed by FHWA and UDOT.*

# Study Timeline and Process

Big Cottonwood  
Canyon

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Current Phase



## PRE-SCOPING ACTIVITIES

Spring 2024 -  
Fall 2024

- Conduct traffic analysis
- Identify existing environmental resources
- Develop the study's purpose & need; proposed tolling & transit concept



## SCOPING

Fall 2024 -  
Winter 2024

- Finalize study's purpose and need; proposed tolling & transit concept
- *Public scoping meetings (virtual and in-person) and comment period*



## ENVIRONMENTAL ASSESSMENT

Winter 2024 -  
Winter 2025

- Refine action alternative & analyze environmental impacts
- Prepare & publish environmental document
- *Public hearings (virtual and in-person) and comment period*



## DECISION

Spring 2026

- Respond to public comments & revise environmental analysis, as appropriate
- Approve Environmental Assessment
- Issue decision document

# Two alternatives are evaluated in detail in the EA:

## No-action Alternative and a Proposed Action

**A No-action Alternative serves as a baseline that describes the environment and the transportation system without the proposed project, in the design year (2050).**

### NO-ACTION ASSUMPTIONS:



**Planned Projects:** All planned Wasatch Front Regional Council (WFRC) road and transit projects would be built, except for Big Cottonwood Canyon tolling and enhanced BCC bus route projects.



**Transit Service:** UDOT assumes that Utah Transit Authority (UTA) ski bus Route 972 would continue its current operations, running at 30-minute frequencies from late November to mid-April.



**No BCC Tolling or Improvements:** UDOT would not implement a winter-season toll in BCC and would not make improvements to mid-canyon or resort bus stops.



**Mobility Hub and Interchange:** A smaller mobility hub and a grade-separated interchange on Wasatch Boulevard would be constructed at the gravel pit site to accommodate the needs of the enhanced bus service for Little Cottonwood Canyon.



# Proposed Action

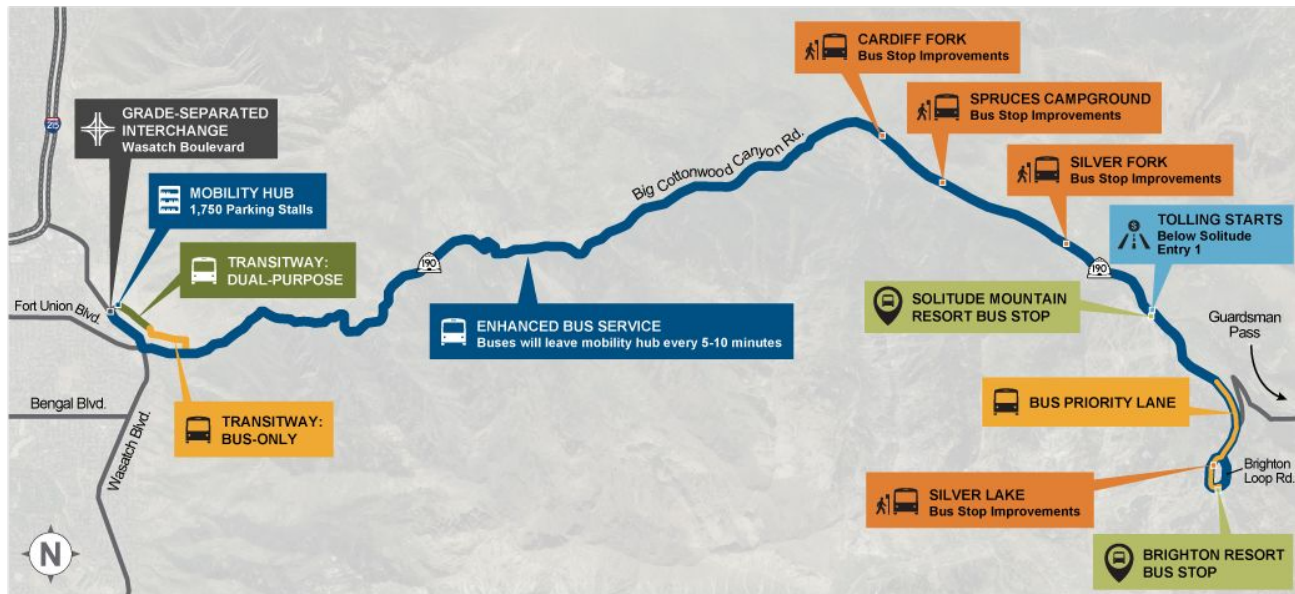
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**The Proposed Action includes enhanced bus service, tolling, a mobility hub, and resort bus stops as its primary elements. It also includes:**

- **Improvements to existing bus stops** at Cardiff Fork, Spruces Campground, Silver Fork, and Silver Lake/Solitude Nordic Center
- **Add a bus priority lane around Brighton Loop Road** from about Camp Tuttle Road to the southern tip of Brighton Loop Road
- **Add a grade-separated interchange on Wasatch Boulevard** to access mobility hub
- **Add a bus-only transitway** at base of Big Cottonwood Canyon



# Purpose and Need Criteria for Evaluating Alternatives

Purpose	Reduce wintertime traffic congestion on SR-190 as directed by 2023 Utah legislature in Senate Bill 2 to provide enhanced bus service, tolling, a mobility hub, and resort bus stops in Big Cottonwood Canyon.
Needs	Decreased mobility on SR-190 during peak periods in the winter leads to increased travel times.
Measure	Does the alternative improve projected travel times (in minutes) from the mobility hub to Brighton Resort? (yes/no)
No-action Alternative	<b>No</b> AM (all vehicles): 56:10 PM (all vehicles): 44:40
Proposed Action	<b>Yes</b> AM (buses): 24:55 // AM (private vehicles): 29:10 PM (buses): 27:05 // PM (private vehicles): 28:00  <b>AM Peak travel times reduced by 27 to 31 minutes</b>

# Purpose and Need Criteria for Evaluating Alternatives

Purpose	Reduce wintertime traffic congestion on SR-190 as directed by 2023 Utah legislature in Senate Bill 2 to provide enhanced bus service, tolling, a mobility hub, and resort bus stops in Big Cottonwood Canyon.
Needs	The operational capacity of SR-190 is compromised during peak periods in the winter.
Measure	Does the alternative maintain an operational road capacity of about 1,000 vehicles per hour by implementing tolling and providing an enhanced bus service? (yes/no)
No-action Alternative	<b>No</b> No method to maintain an operational road capacity of about 1,000 vehicles per hour.
Proposed Action	<b>Yes</b> Maintains operational road capacity of ~ 1,000 vehicles per hour by implementing tolling and providing an enhanced bus service to accommodate a majority of future travel demand.

# Purpose and Need Criteria for Evaluating Alternatives

<b>Purpose</b>	Reduce wintertime traffic congestion on SR-190 as directed by 2023 Utah legislature in Senate Bill 2 to provide enhanced bus service, tolling, a mobility hub, and resort bus stops in Big Cottonwood Canyon.
<b>Needs</b>	There is a high existing demand for winter bus service and the need for bus service to accommodate a majority of future travel demand.
<b>Measure</b>	Does the alternative provide enhanced bus service along with other elements as specified in Senate Bill 2 to improve the rider experience and encourage a mode shift? (yes/no)
<b>No-action Alternative</b>	<p><b>No</b></p> <ul style="list-style-type: none"><li>➤ UTA Route 972 would continue to provide winter bus service for BCC at 30-minute frequencies.</li><li>➤ Riders would continue to face infrequent buses, long wait times, crowded conditions, lack of bus station amenities, and inadequate parking at bus park-and-ride lots.</li></ul>
<b>Proposed Action</b>	<p><b>Yes</b></p> <ul style="list-style-type: none"><li>➤ Provides enhanced winter bus service with buses leaving mobility hub every 5 to 10 min.</li><li>➤ Resort bus stops with enclosed waiting areas, restrooms, and lockers; and a mobility hub with centralized parking to improve overall rider experience.</li></ul>

# Resource Impact Summary Key Takeaways

Big Cottonwood  
Canyon

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**Most land impacts occur at the gravel pit (28.96 acres outside of the canyon and 5.62 acres in the canyon)**



**Would not create new noise problems, as 11 areas already exceeding noise limits will continue to do so, and noise walls are not feasible**



**Aligns with regional goals for improving canyon public transit and implementing road-use pricing**



**Requires changing the Forest Plan because it would use about 2.3 acres of National Forest land where development is currently restricted**



**No homes or businesses relocated, 11 partial acquisitions for the mobility hub and 21 for in-canyon improvements**



**Minor permanent impacts on 3 recreational areas (Cardiff Fork, Solitude, Brighton) and temporary use or occupation of Big Cottonwood Trail for construction**



# Resource Impact Summary Key Takeaways

Big Cottonwood  
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**Could impact habitat for Columbia spotted frog and temporarily impact water quality and habitat for Bonneville cutthroat trout in Big Cottonwood Creek**



**Minor, short-term wildlife displacement expected, and tree and shrub removal will be scheduled outside of the migratory bird nesting season**



**Disturbs and fills about half an acre of streams, ponds, ditches, and other natural aquatic resources**



**Adds approximately 18 acres of hard road surface and affects about 4.5 acres of flood zones, but best management practices are expected to protect groundwater quality**



**Project will have varied visual impacts but will not unacceptably lower overall scenic quality and is expected to meet the Forest Service's scenery standards**

# Enhanced Bus Service

**Goal: Provide a reliable, frequent, and comfortable bus experience for Big Cottonwood Canyon.**



**Bus Frequency: Every 10-15 minutes** for initial operations



**Service Season and Hours:** Likely operate **7 days a week during winter season** (late Nov. through mid-April), typically running from **6 a.m. to 10 p.m.**



**Future Fleet:** Estimated total **bus fleet size needed by 2050 is 25 to 30 buses. Every 6 minutes** (or about every 12 minutes directly to each resort), in peak hours by 2050

## Our Goal



### Reliable

On schedule



### Frequent

Buses every 6 minutes during peak hours by 2050, minimal wait times

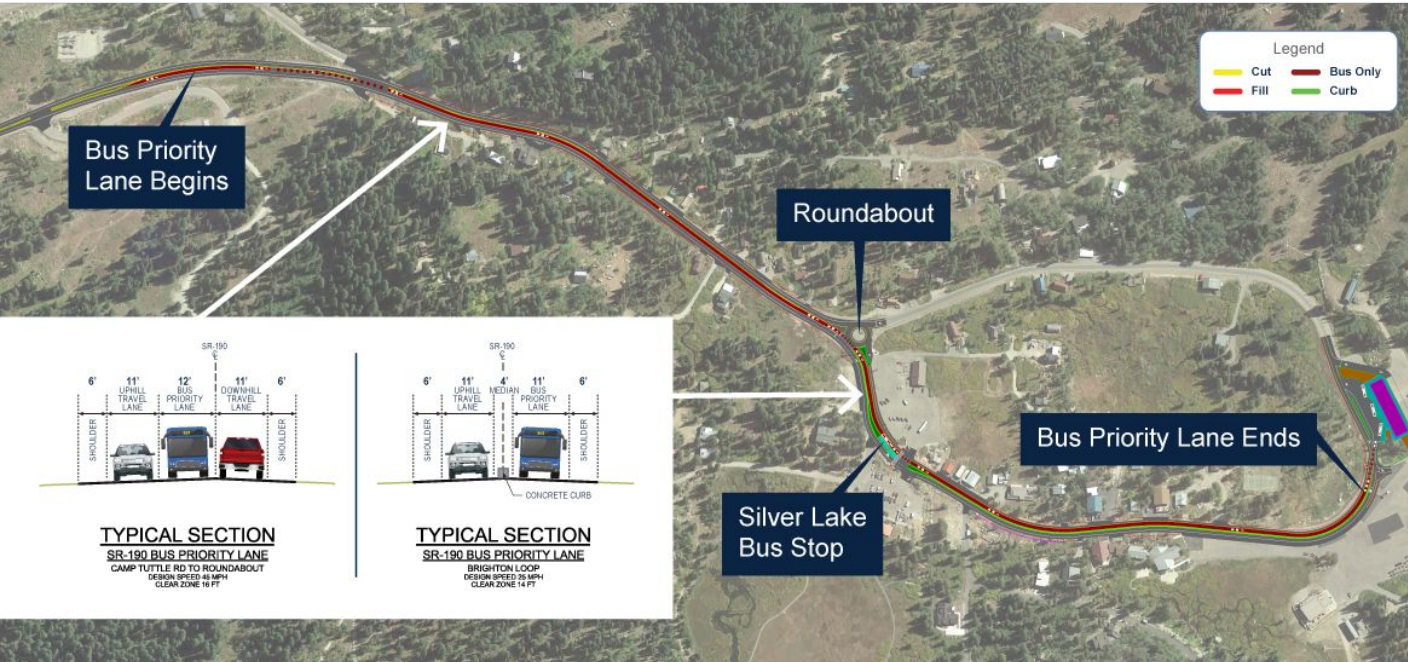


### Comfortable

Easy access, ample parking, short walks, stops with enclosed waiting areas

**Enhanced Rider Experience**

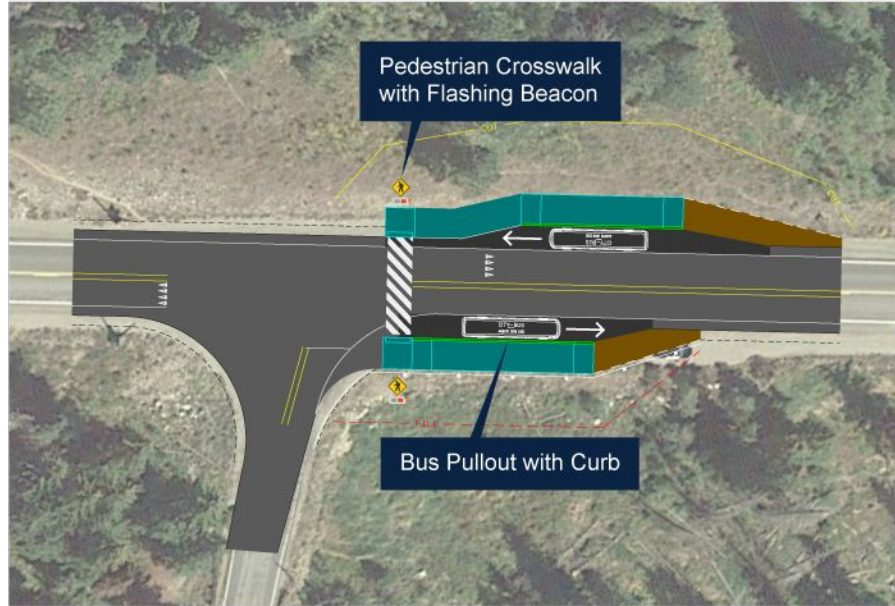
# Bus Priority Lane: Brighton Loop Road



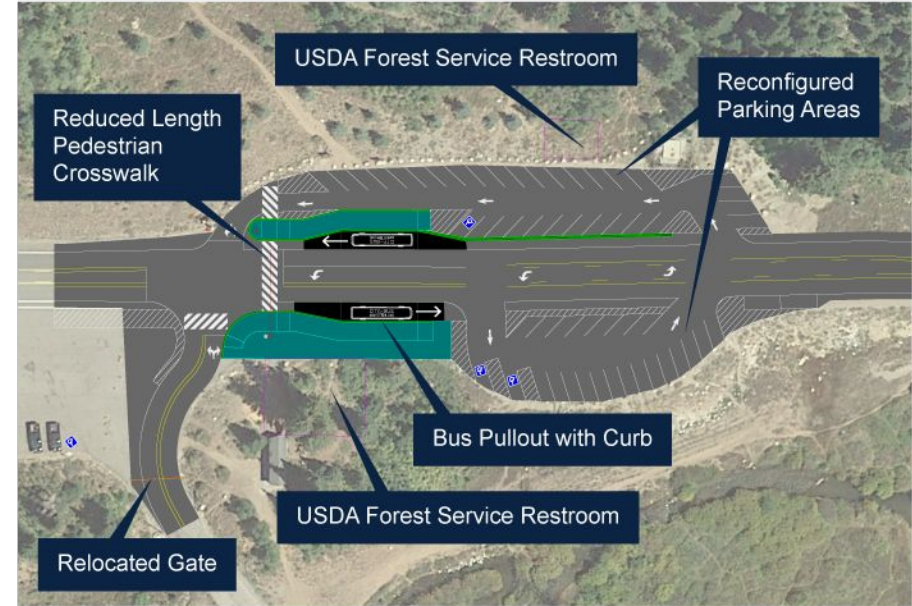
- From Camp Tuttle Road to southern end of Brighton Loop Road
- From Camp Tuttle to roundabout, **bus lane on up-canyon inside lane** between two personal vehicle lanes

# Mid-Canyon Bus Stops

## Spruces Campground Bus Stop



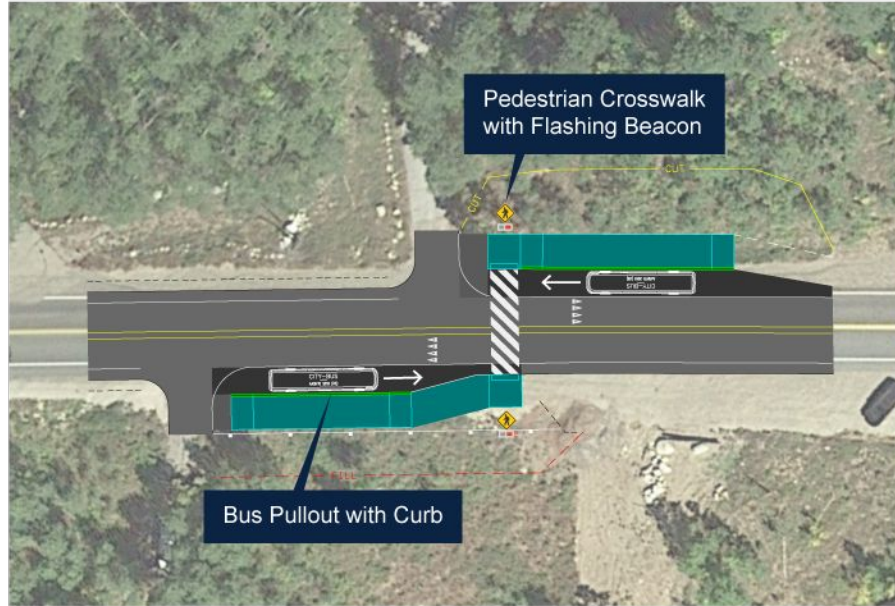
## Cardiff Fork Bus Stop



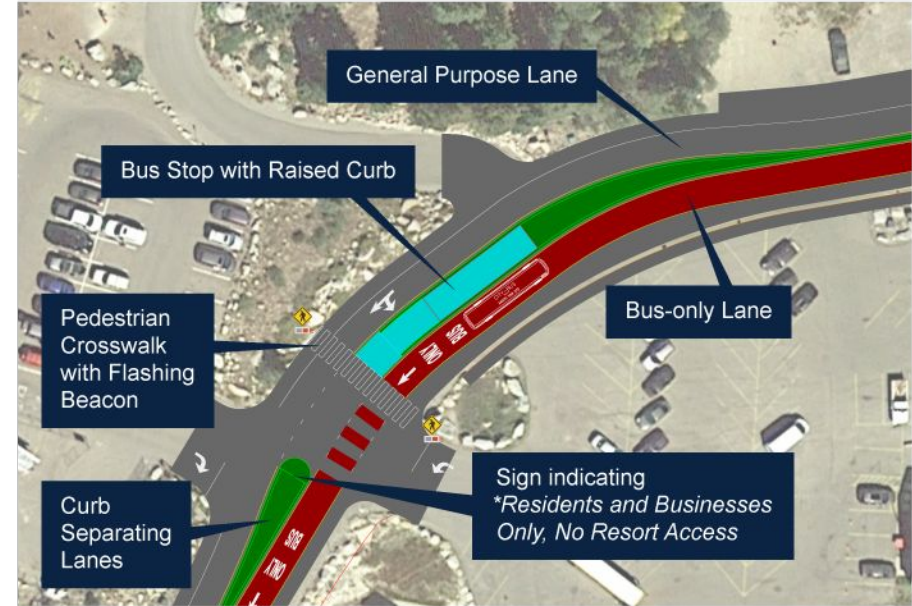


# Mid-Canyon Bus Stops

## Silver Fork Bus Stop



## Silver Lake Bus Stop



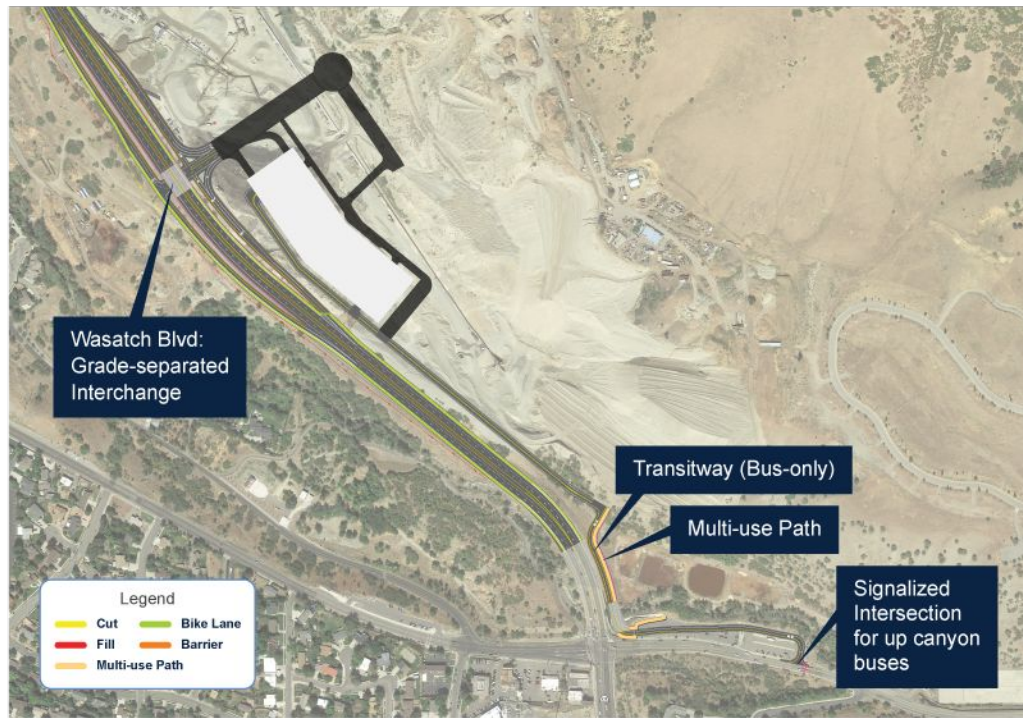


# Mobility Hub: Parking Structure

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- Would accommodate about **1,750 public parking spaces** with four levels of parking
- Structure would be about 70' tall and would encompass about **4.5 acres**
- **Accommodates total of ~ 23 buses per hour**, split between 13 buses per hour for Little Cottonwood Canyon and 10 buses per hour for Big Cottonwood Canyon by 2042
- **14 bus bays**, including two extra bays for varied arrival/departure times or routes originating elsewhere in valley
- **Space allocated for overnight bus parking**, eliminating need for buses to travel from remote facility to start canyon routes
- Includes **dedicated areas for bus driver facilities** and for performing bus inspections and minor maintenance



# Mobility Hub: Transitway

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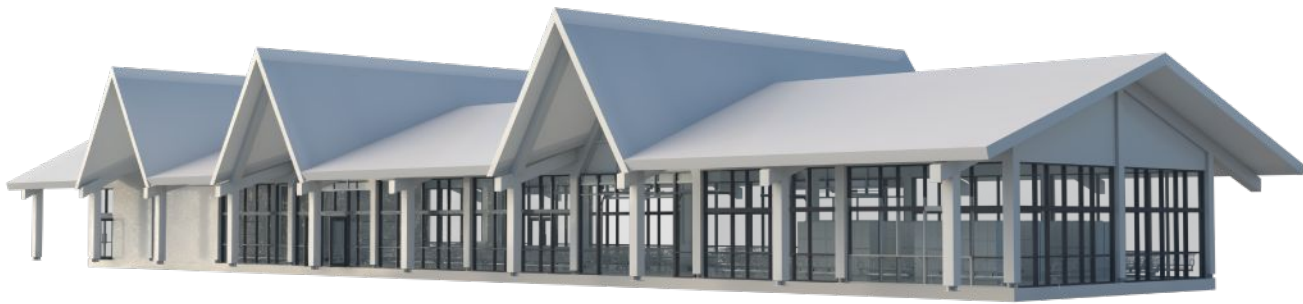


- **One-way, bus-only transitway** runs south from the gravel pit, bypassing proposed Wasatch Boulevard grade-separated interchange and Fort Union intersection
- Exits onto **Big Cottonwood Canyon Road** (near MP 2.0) using new **bus-activated traffic signal** to control traffic for bus turns
- Requires **new bridge over Big Cottonwood Creek** to accommodate 12' bus lane, shoulders, and **12' shared-use path**

# Resort Bus Stops

**Goal: Locate stops along Big Cottonwood Canyon Road to keep buses out of resort parking lot congestion and minimize impacts to existing parking while minimizing walk times to main resort facilities.**

- **Rider Amenities:** Features for an attractive rider experience, including **enclosed waiting areas**, ample seating and standing room, and **storage lockers**
- **Facilities:** Dedicated **restrooms** for public use at each stop
- **Driver Support:** **Separate restrooms and break areas** specifically for bus drivers



*Example: Resort Bus Stop A-Frame Structure*

- **Capacity:** Sized to accommodate **200 to 300 waiting people**, accounting for potential bus delays (30–40 minutes) caused by traffic congestion, vehicle crashes or people leaving resorts at the same time



# Solitude Mountain Resort Bus Stop

## Conceptual Renderings

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Solitude Mountain Resort Bus Stop Looking Southwest



Solitude Mountain Resort Bus Stop Looking East

# Brighton Resort Bus Stop

## Conceptual Renderings

Big Cottonwood  
Canyon

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Brighton Resort Bus Stops and Bus Priority Lane



Brighton Resort Bus Stop and Bus Priority Lane Signal



# Tolling

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**Goal: Implement variable priced tolling to encourage transit use and carpooling, reducing traffic and maintaining an operational capacity of 1,000 cars per hour on the road during peak winter months.**



**Location & Pricing:** Applied to upper canyon, starting just below Solitude Entry 1, with cost varying dynamically to achieve vehicle reduction goals



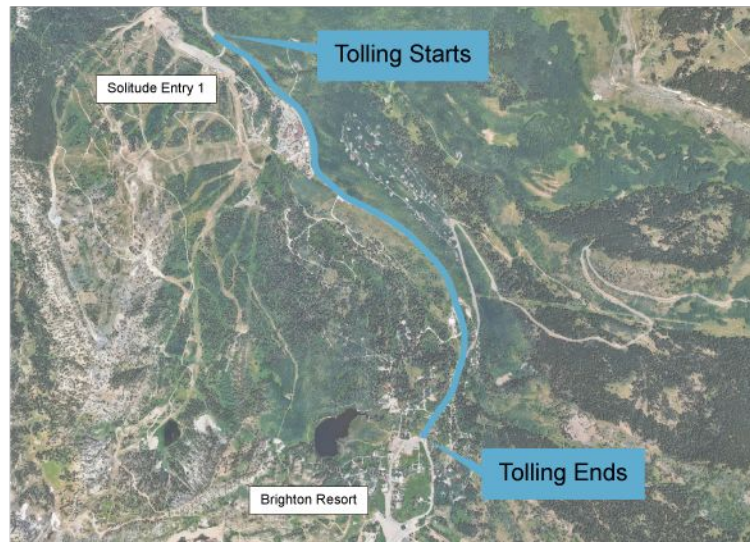
**Transit Incentive:** Bus fare should be substantially lower than toll to effectively shift travel modes from personal vehicles to transit



**System:** Would likely use an electronic pass or license plate recognition



**Exemptions:** Could include Big Cottonwood Canyon residents and resort employees














# Cost Estimate

## Big Cottonwood Canyon

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Element	Cost(millions)
 Mobility Hub – Parking Structure	\$123.9
 Mobility Hub – Wasatch Interchange	\$53.4
 Mobility Hub – Transitway, and other roadways	\$18.4
 Bus Costs (30-bus fleet – \$18 million. UDOT would initially purchase fewer buses and scale up overtime to accommodate actual ridership demands.)	\$18
 Bus Priority Lane	\$11.4
 Solitude Mountain Resort Bus Stop	\$17.1
 Brighton Resort Bus Stop	\$10.7
 Mid-canyon Bus Stops	\$0.5
 Tolling	\$5
 Cost Currently Programmed following the LCC EIS for Wasatch Interchange and 1,500-stall Parking Structure at Mobility Hub	<b>\$-114</b>
 <b>Grand Total Proposed Action</b>	<b>\$144.4</b>

# Public Comment Period

**DEC. 3, 2025 - JAN. 12, 2026**

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## Give your input on:



The analysis of the potential impacts of the Proposed Action



The proposed mitigation for the Proposed Action



Potential USDA Forest Service decisions

Comment on our website:

<https://udotinput.utah.gov/bccstudy>





# Public Comment Period USDA Forest Service

**DEC. 11, 2025 - JAN. 9, 2026**

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**The public is invited to comment on the Environmental Assessment (EA) and a proposed Forest Plan amendment for the project. The project is led by UDOT with the USDA Forest Service as a cooperating agency.**

- Forest Service decision areas include authorizing any or all portions of the BCC Project for actions on National Forest System lands and the proposed project-specific Forest Plan amendment.
- Forest Service decisions specifically include whether to authorize a special use permit for:
  - The construction and operation of two new transit stops
  - Reconfiguration and addition of existing transit stops at the Mill D/Cardiff Fork Trailhead and Spruces Campground
  - Adding a bus-only priority lane around the Brighton Loop on NFS land.
- The proposed project-specific Forest Plan amendment would allow for the new transit stop near Solitude Mountain Resort.

**Please include the following information with your comments:**

1. Name, address, and contact telephone number or email
2. Name of the project on which you are commenting
3. Specific written comments related to the project

To be eligible to object to Forest Service specific decisions, comments must be submitted between Dec. 11, 2025 and Jan. 9, 2026 in accordance with the Forest Service legal notice (36 CFR 218).

**More information on the  
USDA Forest Service website:**





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## Thank you!

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