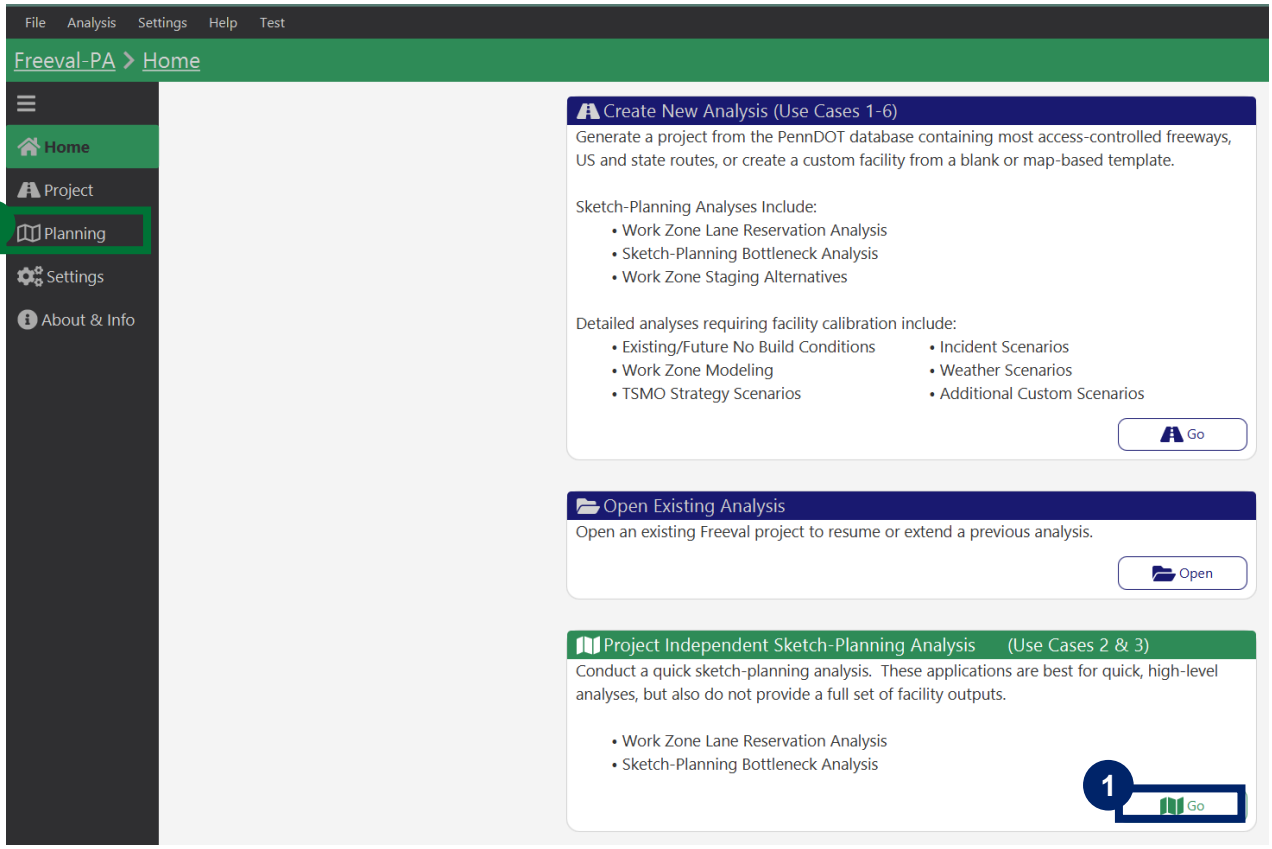
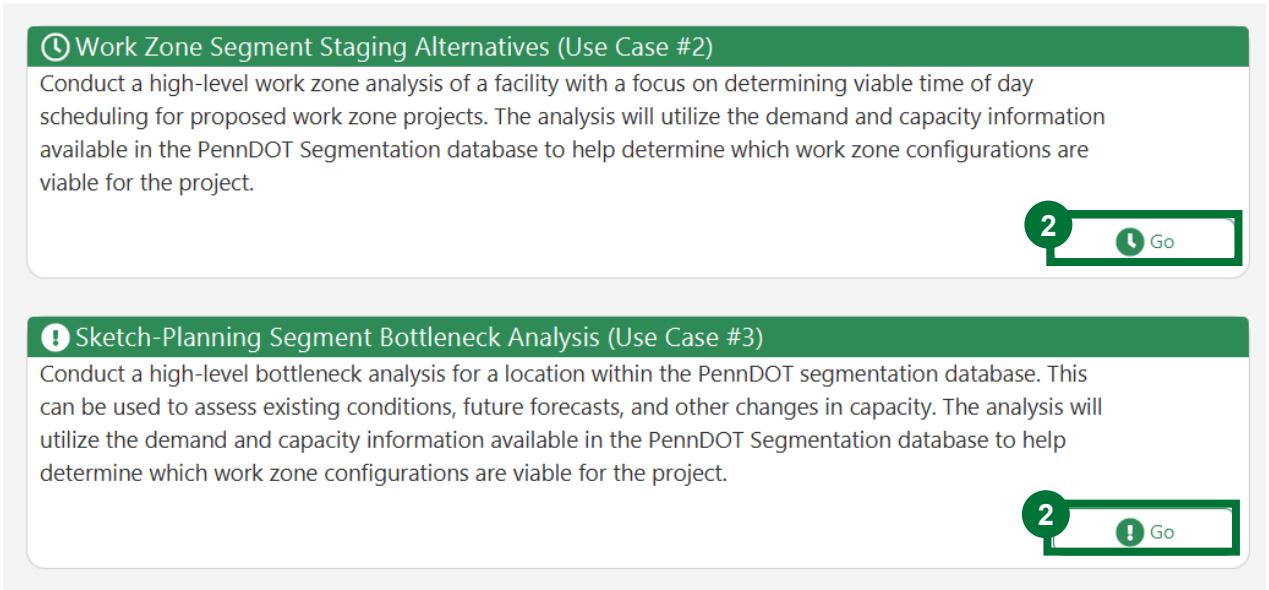
Step-by-Step Guide: Sketch Planning

Creating a Facility

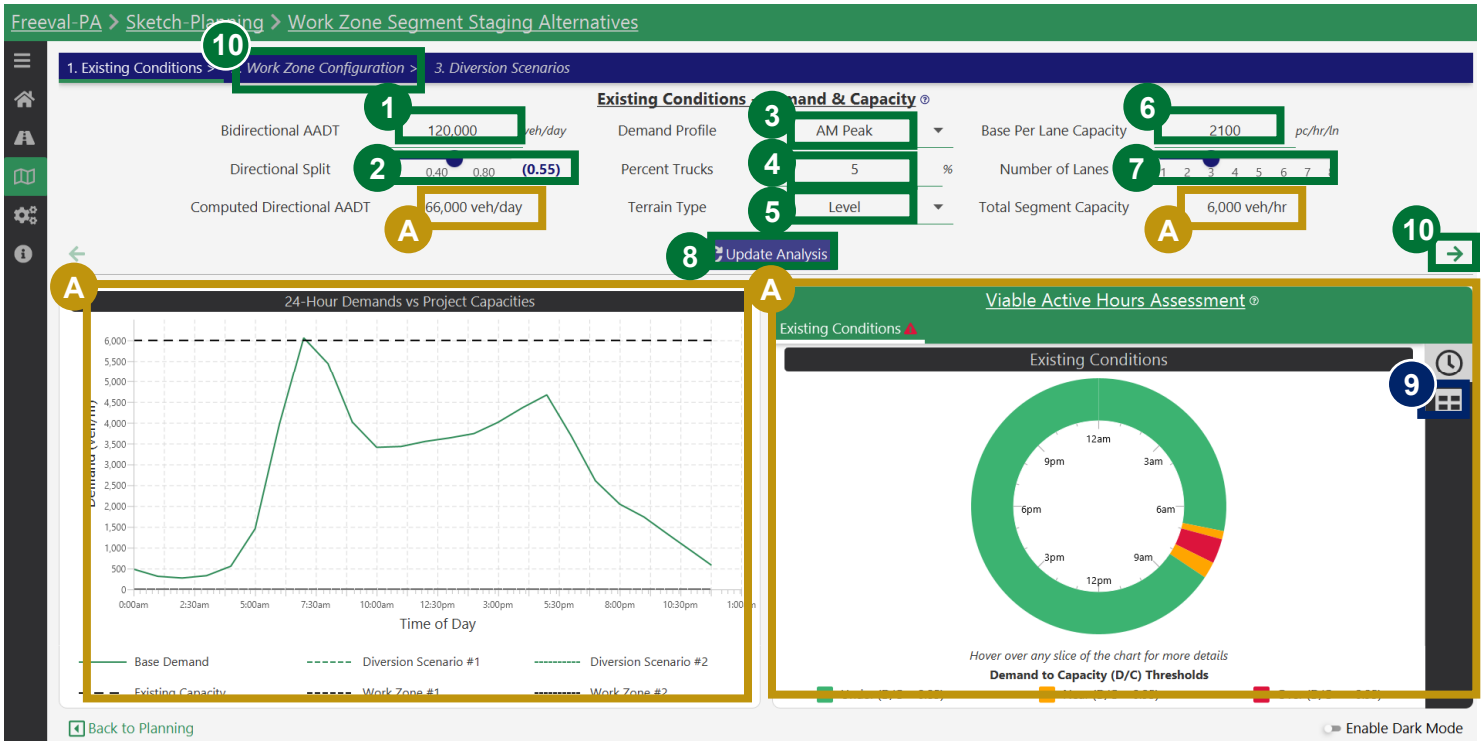


1 From any screen select **Planning** from the left toolbar

1 ***Optional***: From the Home screen, under Project Independent Sketch-Planning Analysis, select **Go**



2 Select **Go** for either the work zone segment staging alternatives or the segment bottleneck analysis

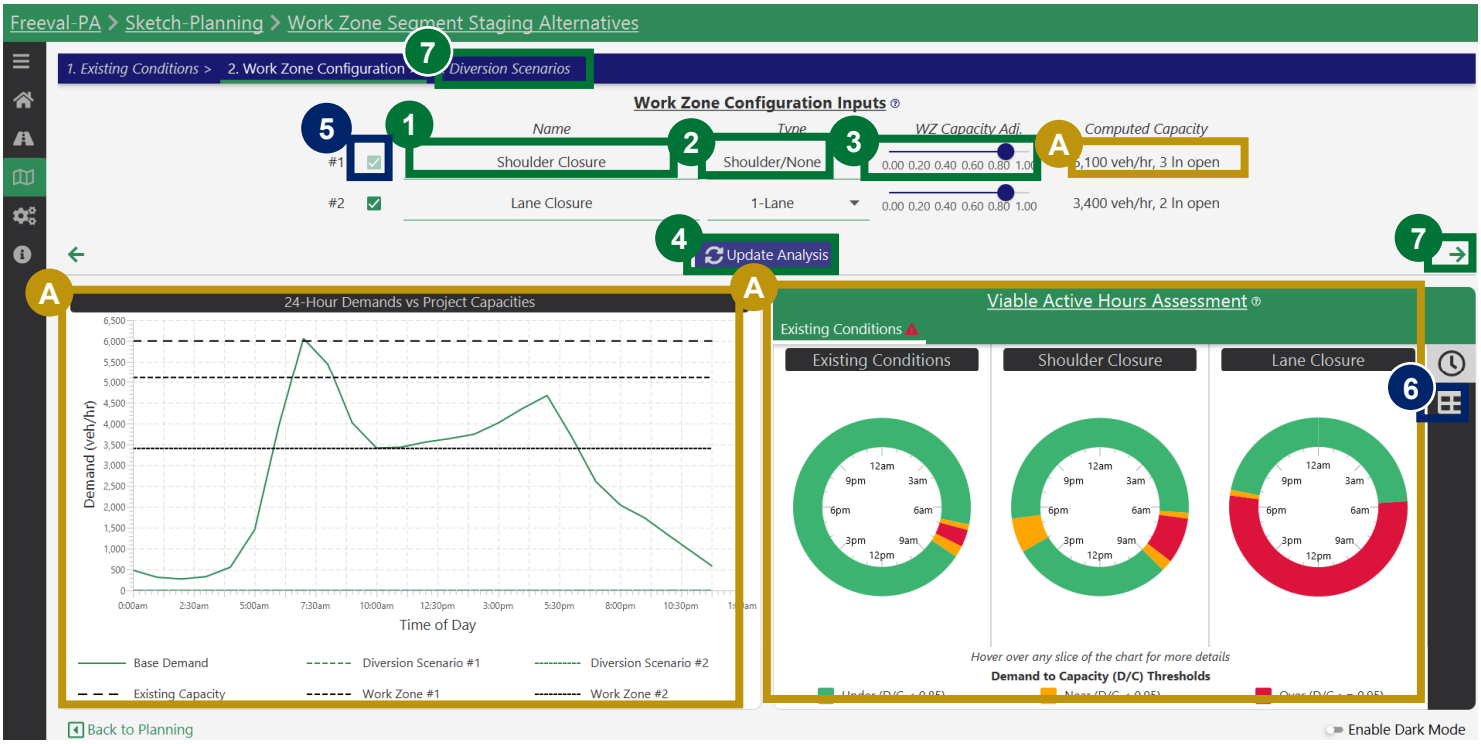


1. Enter the **Bidirectional AADT**
2. Use the slider to select the **Directional Split**
3. Select the **Demand Profile**
4. Enter the **Percent Trucks**
5. Select the **Terrain Type**
6. Enter the Base Per Lane Capacity
7. Use the slider to select the Number of Lanes
8. Click Update Analysis

A. **Computed Directional AADT**, **Total Segment Capacity**, **24-Hour Demands vs Project Capacities**, and **Existing Conditions** will update

9. ***Optional:*** To view the **Congestion Assessment** in a table format, select the table button

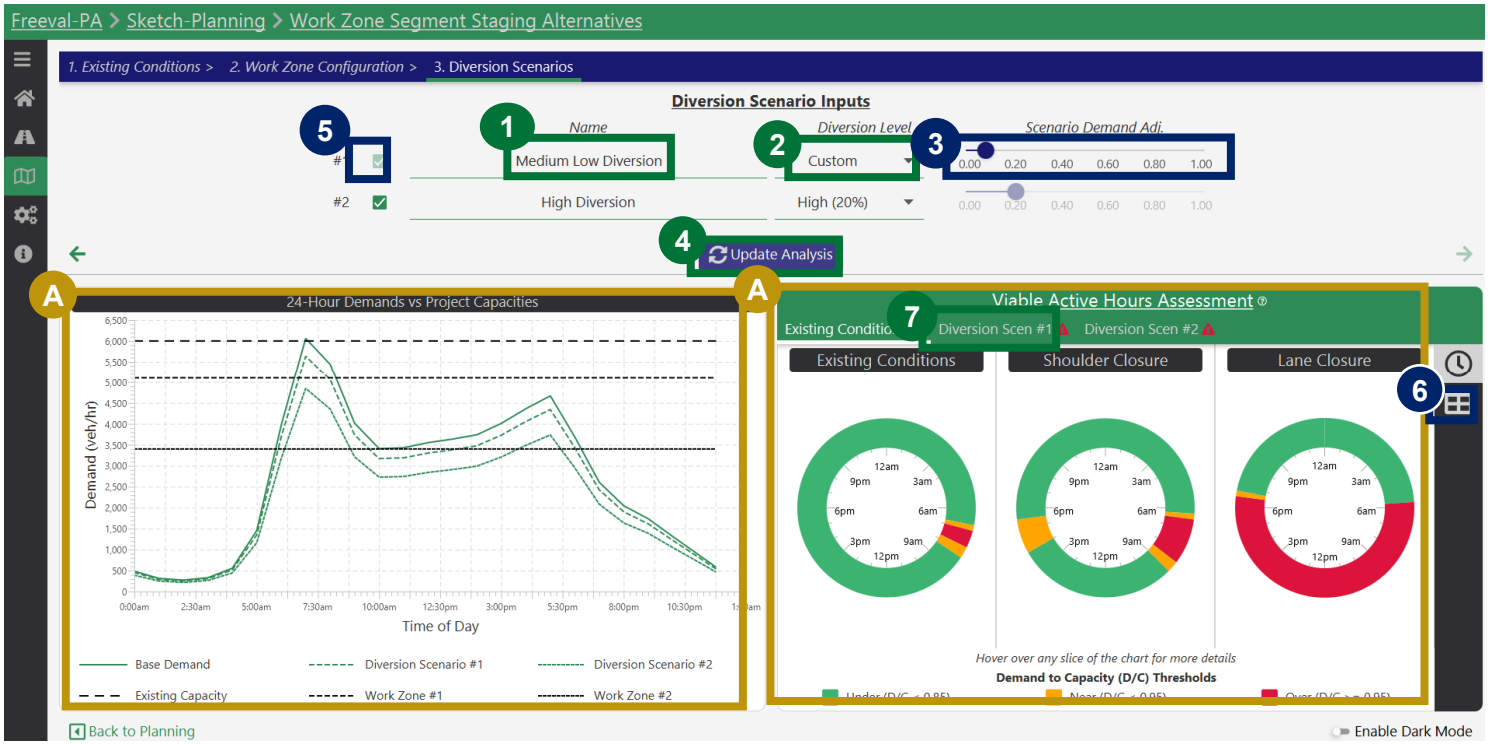
10. Select the **Arrow** or **Growth Scenarios** to proceed



1. Enter a **Name** for the work zone configuration
2. Select the **Type**
3. Use the slider to select the **Work Zone Capacity Adjustment**
4. Click **Update Analysis**

A. **Computed Capacity, 24-Hour Demands vs Project Capacities,** and **Congestion Assessment** will update

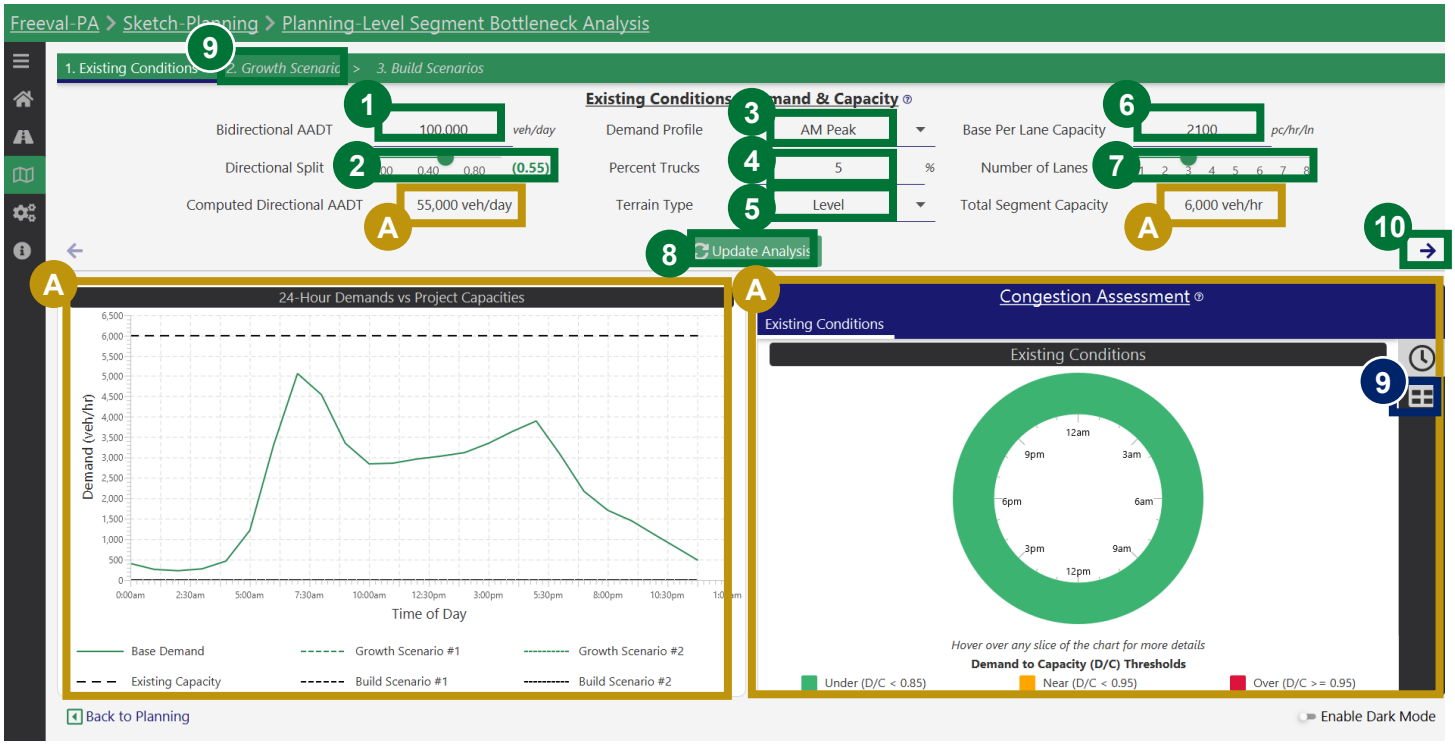
5. ***Optional:*** To view only one scenario, select the appropriate **Checkbox** then select **Update Analysis** (4)
6. ***Optional:*** To view the **Congestion Assessment** in a table format, select the table button
7. Select the **Arrow** or **Diversion Scenarios** to proceed



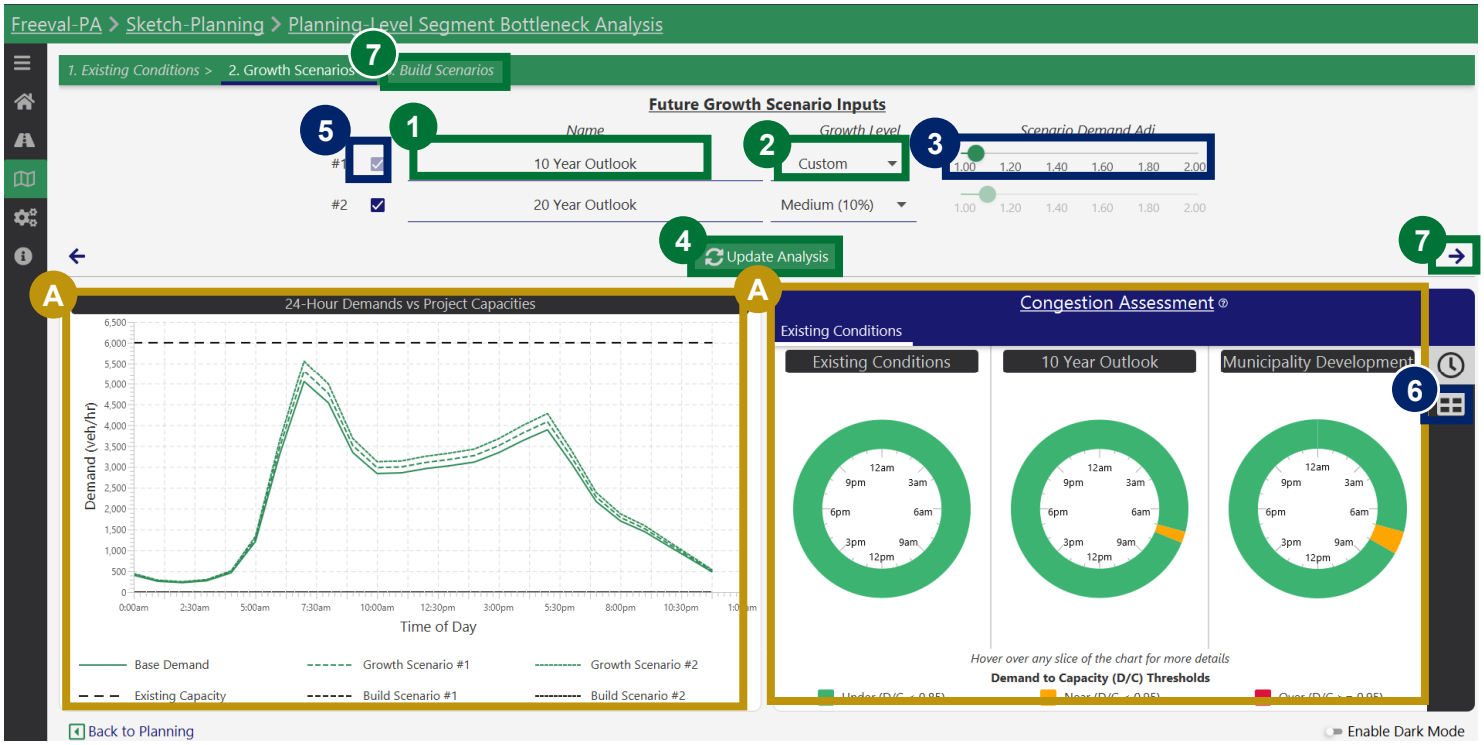
1. Enter a **Name** for the future build scenario
2. Select the **Diversion Level**
3. ***Optional:*** If the **Diversion Level** "Custom" was selected, select the number of **Scenario Demand Adjustment Factor**
4. Click **Update Analysis**

A. **Computed Capacity, 24-Hour Demands vs Project Capacities,** and **Congestion Assessment** will update

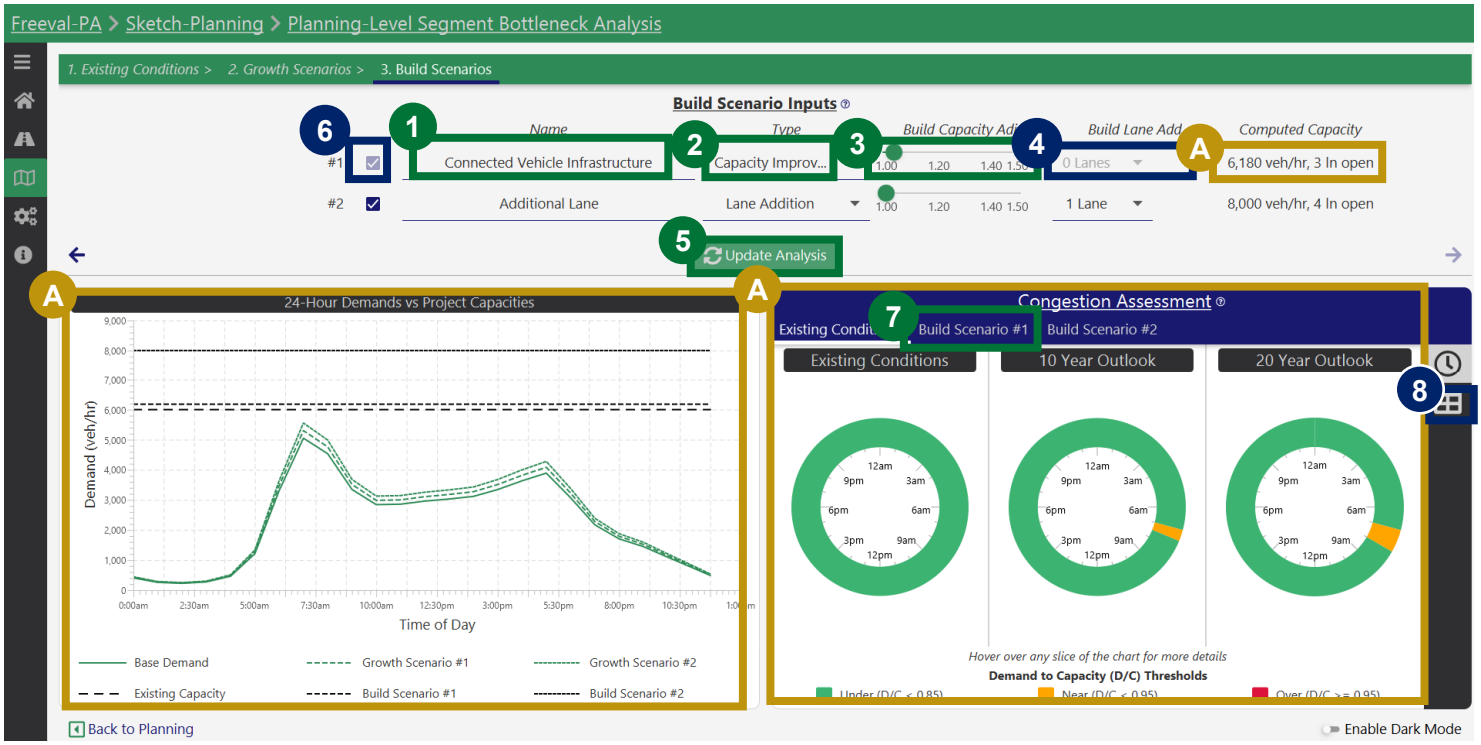
5. ***Optional:*** To view only one scenario, select the appropriate **Checkbox** then select **Update Analysis** (4)
6. ***Optional:*** To view the **Congestion Assessment** in a table format, select the table button
7. To view the impact of each build scenario on the **Congestion Assessment**, select the desired scenario



1. Enter the **Bidirectional AADT**
2. Use the slider to select the **Directional Split**
3. Select the **Demand Profile**
4. Enter the **Percent Trucks**
5. Select the **Terrain Type**
6. Enter the **Base Per Lane Capacity**
7. Use the slider to select the **Number of Lanes**
8. Click **Update Analysis**
A. **Computed Directional AADT**, **Total Segment Capacity**, **24-Hour Demands vs Project Capacities**, and **Existing Conditions** will update
9. ***Optional:*** To view the **Congestion Assessment** in a table format, select the table button
10. Select the **Arrow** or **Growth Scenarios** to proceed



1. Enter a **Name** for the future growth scenario
2. Select the **Growth Level**
3. ***Optional:*** If the **Growth Level** of "Custom" was selected, use the slider to adjust the demand
4. Click **Update Analysis**
- A. **24-Hour Demands vs Project Capacities** and **Congestion Assessment** will update
5. ***Optional:*** To view only one scenario, select the appropriate **Checkbox** then select **Update Analysis** (4)
6. ***Optional:*** To view the **Congestion Assessment** in a table format, select the table button
7. Select the **Arrow** or **Growth Scenarios** to proceed



1. Enter a **Name** for the future build scenario
2. Select the **Type**
3. Use the slider to select the **Build Capacity Adjustment Factor**
4. ***Optional:*** If the **Type** "Lane Addition" or "Custom/Other" was selected, select the number of **Build Lane Additions**
5. Click **Update Analysis**

A. **Computed Capacity, 24-Hour Demands vs Project Capacities,** and **Congestion Assessment** will update

6. ***Optional:*** To view only one scenario, select the appropriate **Checkbox** then select **Update Analysis** (5)
7. To view the impact of each build scenario on the **Congestion Assessment**, select the desired scenario
8. ***Optional:*** To view the **Congestion Assessment** in a table format, select the table button