

Traffic Signal Modernization Program Grant

Estimated Construction Costs Instructions

IMPORTANT NOTE: Please complete a separate cost estimate for each intersection listed in the TSMP proposal using the spreadsheet tabs. The TSMP spreadsheet has already been populated with five tabs representing five intersections. If you need more tabs (i.e. intersections), then just add new tabs.

Estimated Construction Costs are listed under two major categories: Traffic Signal Items (Top half of the spreadsheet) and Non-Traffic Signal Items (Bottom half of the spreadsheet). The **Traffic Signal Items** are those items directly related to traffic signals and the **Non-Traffic Signal Items** are those additional items and/or services that are required to complete the project.

Item No.: These are the general pay items used by TDOT and are represented by a 5-digit number (or acronym) for categorizing the described items.

- **UA:** Use this to include Unlisted Work Items under Traffic Signal Items for items that are not listed but are requested for the project.
- **UB:** Use this to include Unlisted Work Items under Non-Traffic Signal Items for items that are not listed but are requested for the project.

Unit Description: The describes the item listed under the item number.

Unit: This determines the method used to calculate the quantities for the items.

- **EACH:** Items/Units are counted individually.
- **PER INT:** Per Intersection, a lump sum calculation for each intersection.
- **PER APPR:** Per Approach, an individual count for each approach or flow of traffic that connects to an intersection (a typical intersection has 4 approaches).
- **LF:** Linear Feet
- **LS:** Lump Sum, total cost of item

Quantities: Please estimate the number of items required for project.

Unit Cost: This is an estimated cost provided by TDOT.

- **UA / UB:** This is the estimated lump sum cost which shall be provided by the grant applicant.

Total Cost: This is the total sum of each item.

What Are You Required to Fill In?

Please fill in only the **Yellow Shaded Boxes**. Start by adding your local agency name and the name of the intersection at the top of the spreadsheet. Please remember to only complete one spreadsheet for each intersection and use the tabs for additional intersections. Regarding the item quantities, please remember to pay attention to the **Units** so that the correct quantity is provided. Any errors in quantities can affect the project's final evaluation and overall score. If you notice that an item is required for your project that is not shown, then please list the item(s) in the **Yellow Shaded Box** at the bottom of the spreadsheet under the **UNLISTED WORK ITEMS** box (bottom of the spreadsheet) for the item(s) to be included in the cost estimate. If you need more room than the space allocated within the spreadsheet box, then please attach a word document with the unlisted work item description(s). The quantity is marked as "1" for **UA and/or UB** due to this being a Lump Sum calculation. Also, please remember to enter the **Total Cost** of all unlisted work item(s) in the appropriate **Yellow Shaded Box** under the Unit Cost for Item No. UA and/or UB.

How Do You Calculate the Lump Sum for Unlisted Work Items (UA and/or UB)?

Please estimate the total cost for each Unlisted Work Item (i.e. Unit Cost x Quantity) and sum up the total costs for all the Unlisted Work Items required (be sure to categorize the costs of these items as either UA or UB), this will provide you with a total Unit Cost for UA and/or UB. As mentioned above, the quantity is marked as "1" since these costs are listed as a Lump Sum item.

Are You Allowed to Change Unit Costs?

No. The unit costs have been provided by TDOT Traffic Operations and are set to cover additional costs that are commonly overlooked. Unit Costs cannot be adjusted due to possibly affecting the overall score of your application.

Who Do You Contact for Assistance?

If you need assistance with the TSMP Estimated Construction Costs spreadsheet, please contact Steve Bryan at Steve.Bryan@tn.gov.