TRAFFIC MANAGEMENT SYSTEM PLANS --------- NARRATIVE

References:

General Information:

During the roadway plan development, designers must be aware of the need for a Traffic Management System (TMS) Plan. This Plan contains items such as ramp meters, loop detectors, overhead cameras, etc. These items are used to maintain an efficient and safe flow of traffic along our urban freeways.

Operations Engineering Services (System Design Engineer) are recommended throughout the duration of the project. The number and extent of these meetings will depend on the complexity, length, and duration of the project. In rare cases, the Traffic Management System Plan may be a separate plan and not included in the Grading Plan. If this is the case, conduit locations should be coordinated with the grading plan.

The Designer will need to provide construction sheets or general layout sheets (hard copy or electronic copy) to Freeway Operations Unit for them to use as a base map to draft their Traffic Management System Plan. The Designer should also request survey information (.fip files) for TMS.

Freeway Operations Engineering Services will develop their plans based on past experiences and new and developing technologies.

To develop the Traffic Management System Plan, coordination meetings between Design, Construction and Freeway Operations Engineering Services (System Design Engineer) are recommended throughout the duration of the project. The number and extent of these meetings will depend on the complexity, length, and duration of the project. In rare cases, the Traffic Management System Plan may be a separate plan and not included in the Grading Plan. If this is the case, conduit locations should be coordinated with the grading plan.

The Designer will need to provide construction sheets or general layout sheets (hard copy or electronic copy) to Freeway Operations Unit for them to use as a base map to draft their Traffic Management System Plan. The Designer should also request survey information (.fip files) for TMS.

Freeway Operations Engineering Services will develop their plans based on past experiences and new and developing technologies.

Traffic Management System plan sheets to be inserted into the final plan should include a list of construction pay items and quantities so the designer can include these items in the Estimated Quantities tabulation. Pay item numbers should not be included in this list, however the Freeway Operations designer should provide pay items numbers to the designer separately from the plan sheets to facilitate adding them to the Estimated Quantities tabulation.

The Designer should also add any Freeway Operations Standard Plates onto the list of project specific Standard Plates or make a reference to them.

The Traffic Management System Plan sheets should also be included in the plan as shown on the Title Sheet's Index. Page numbers for the Traffic Management System Plan sheets will be numbered SZ1 to SZ*.

TRAFFIC MANAGEMENT SYSTEM PLANS NARRATIVE AND CHECKLIST

Sample Plan

TRAFFIC MANAGEMENT SYSTEM PLANS ---------- CHECKLIST

1. Stationing shown
2. Roadways Labeled
3. North Arrow
4. Bypasses shown and labeled, if applicable
5. Traffic Management Systems shown
6. Staged construction shown, if applicable
7. Legend
8. Items correspond with those shown in TRANSPORT
9. Utilities and Drainage Structures shown in potential conflict areas
10. Tab Letter and Sheet Numbers
11. Bar Scale
12. Cross references to other sheets (as applicable)
13. Freeway Operations Engineer's signature

Sample Plan

http://ihub.metro/design/technicalguidance.html RTMC-Design Coordination

Miscellaneous:

Design Scene: Chapter 16 - Traffic

Miscellaneous:

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