Traffic Count Station Links
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Highway Data Workshop
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- Traffic Station Links
- Link Groups/ Station Types
- Problems
- How We Proceed
Traffic Station Links

▪ What Are They?
  ▪ An ID Linking a group of Traffic Stations which have some relationship with each other.

Traffic Station Link Groups

▪ Divided Roadways
▪ Boundary Separated
▪ "Y" Road Segments
▪ Master Station
  Scheduled / Not scheduled
Traffic Station Link Groups

- Divided Roadways
  - Two Stations - One for each direction
  - Two Stations collected the same days they will be grouped on the schedule
  - The count will be accepted and paid as one group.

I-481 is a North-South route.
Station 33_0998 is covering the Northbound traffic
Station 33_0999 is covering the Southbound traffic
A Station Link ID will join the two directions
We have not setup these stations yet because we still need to report total roadway numbers.
Traffic Station Link Groups

- Boundary Separated
  - Town, Village, City, County boundaries
  - Two Stations one link = one scheduled station
  - Half of this Station Type will not need to be scheduled

Boundary Separated

Two Stations that meet at the Rome City Line. There is no change in the traffic volume between the two Stations. The Stations are in different DOTIDs. This makes it hard to create header that will get the correct Begin and End descriptions. The link allows the NYS DOT to collect data on one of the stations and copying the AADT to the other station.
Traffic Station Link Groups

- "Y" Road Segments
  - Two legs are marked for counting - estimate AADT for remaining leg
  - Start scheduling the lower volume legs
  - A third of this Station Type will not need to be scheduled

"Y" Road Segments

All three Stations will have the same Link ID. Station 43_3701 will have the larger volume station type for the "Y". Both 43_3702 and 43_3703 will have the lower volume station type and will be looked at first for scheduling. If a good location to collect the data can not be found on either 43_3702 or 43_3703 then 43_3701 will be scheduled.
Traffic Station Link Groups

- Master Station
  - Multiple Stations linked with only one Station scheduled
  - Does not change NYSDOT schedule
  - Resolve issues with Partner Agency counts
  - Much More complicated

Four Traffic Count Stations where the county collects data. The data is very similar across all four Stations. Station 07_8997 is scheduled and counted. The AADT is then copied to the other three stations (07_8996, 07_8998, and 07_8999). As mentioned earlier these are a little more complicated. What happens when there is count data for only one of the Stations not scheduled by the NYSDOT?
Traffic Station Types

- Describe how the Station fits within the Station Group
- A code will be assigned to every Station
- Station Type of “0” assigned until Station reviewed

Divided Highways is the group, Primary direction and Non primary are the Station types. Each Station Type will have a code. The code is used to make it easier to program the system how to handle the data. “0” code indicates the Station is not in a Station Group.

<table>
<thead>
<tr>
<th>Code Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Not in a Station Group</td>
</tr>
<tr>
<td>A</td>
<td>Combined direction of a divided highway</td>
</tr>
<tr>
<td>P</td>
<td>Primary direction of a divided highway</td>
</tr>
<tr>
<td>N</td>
<td>Non-Primary direction of a divided highway</td>
</tr>
<tr>
<td>X</td>
<td>Both direction of local road where primary direction of route overlaps local road</td>
</tr>
<tr>
<td>Y</td>
<td>Both direction of local road where reverse direction of Route overlaps local road</td>
</tr>
<tr>
<td>2</td>
<td>Boundary separated, similar AADT, Scheduled</td>
</tr>
<tr>
<td>3</td>
<td>Boundary separated, similar AADT, not scheduled</td>
</tr>
</tbody>
</table>
Problems

▪ Work in the Roadway Inventory System not finished
▪ Locating and assigning the Station Types and Link Ids will take time
▪ The other Traffic Data Systems are not designed to handle the Link Ids

* The Station Mapping and Station Type tables were put in RIS but work on the old/current RIS was stopped before an extract was created.
* At this time we do not have the time to start a large project.
* TCE, TDF, the schedule and the Temporary Traffic System all need to be edited.

Plans for the Future

▪ Continue work developing the station link process
▪ Locate and assign more Link Ids and Station Types
▪ Get notes added to the Scheduling process

Plan to focus on the Boundary Separated, “Y”, then Master groups in that order. Divided Highways will depend on FHWA requirements.
Traffic Count Station Links

QUESTIONS

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