An Easy Way to Update Your Data

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Recology provides Garbage & Recycling services to over 50 communities in Northern California and Oregon.

We use routing software to balance and sequence our garbage, recycling and organics routes.
CHANGES TO BASEMAP OVER TIME:
* Add missing streets or alleyways
* Modify street attributes

CHALLENGE:
How do you merge new NAVTEQ updates into basemap, while keeping edits that were made since the last update?

New Streets

Range L = 800-850
R = 800-848

Added alley
Recology used ESEA’s MapMerger tool

- Red lines are new alleyways to be added- 470 segments. Created a shapefile of alleys and used MapMerger to merge the alleys into the basemap.

- MapMerger splits every segment where an alley intersects it, calculates new left and right street ranges and gives a new Link Id to one of the split segments.

- Changes must be carried forward into each NAVTEQ data release. MapMerger is used for the transfer.

- Using MapMerger saved about 40 hours of labor in this 1 month project.
MapMerger Stitching

- Needed to add the blue area to the red map.
- MapMerger can stitch these 2 maps together.
• Geometry is slightly different but is considered a match based on set tolerance.
• Thin green lines indicate matching nodes.

Green = old basemap
Orange = Navteq update
Unmatched Streets

- Yellow = Unmatched Streets from the Target
- Red = Unmatched streets from the Source
- Yellow and Red streets will be added to the map result.
- MapMerger has line matching tools to match segments that did not match automatically.
Alleyways are merged into Navteq map update.
Thank you

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