

An Online Transit Inventory Application through Google APIs Technology

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Awesomeness Statement of the Planning Department

Why
is it of
Interest
?

- Advance integrated planning practices and solutions through research, analysis, creativity, **innovation** and action.

Limitation with the Existing Transit Inventory /the Alternative

Why
is it of
Benefit
?

- Platform: MS Access database
 - Presentation of location information--limited
 - Information turnaround--slow
- Alternative:
 - Combined presentation of location and attribute information
 - Easy/quick access by non-GIS users

API Technology

- What is API?
 - Application Programming Interface
 - Leverage resources already developed by others
- Resources through Google APIs
 - Google Maps: Street maps, photos, terrain, 3-D earth view, etc
 - Functionalities: Elevation service, direction service, geocoding service, place search, etc

Development Approach and Highlights

- Development Approach
 - “Dwarfs standing on the shoulders of giants
 - Study, learn and customize
- Highlights
 - Ridership Profile
 - Station Fly Around
 - Virtual Transit Tour

Future Work/Conclusion

- Future Work
 - Data structure
 - Automated data preparation
 - Information updates as well as retrieval
- Conclusion
 - Better decision
 - Cost saving

Questions and Comments

- Thank You!