

Mt. Paran Rd / Powers Ferry Rd Intersection Improvement

February 20, 2018 Work Session



SANDY SPRINGS
GEORGIA



Mt. Paran Road / Powers Ferry Road Intersection Concepts (TS110)

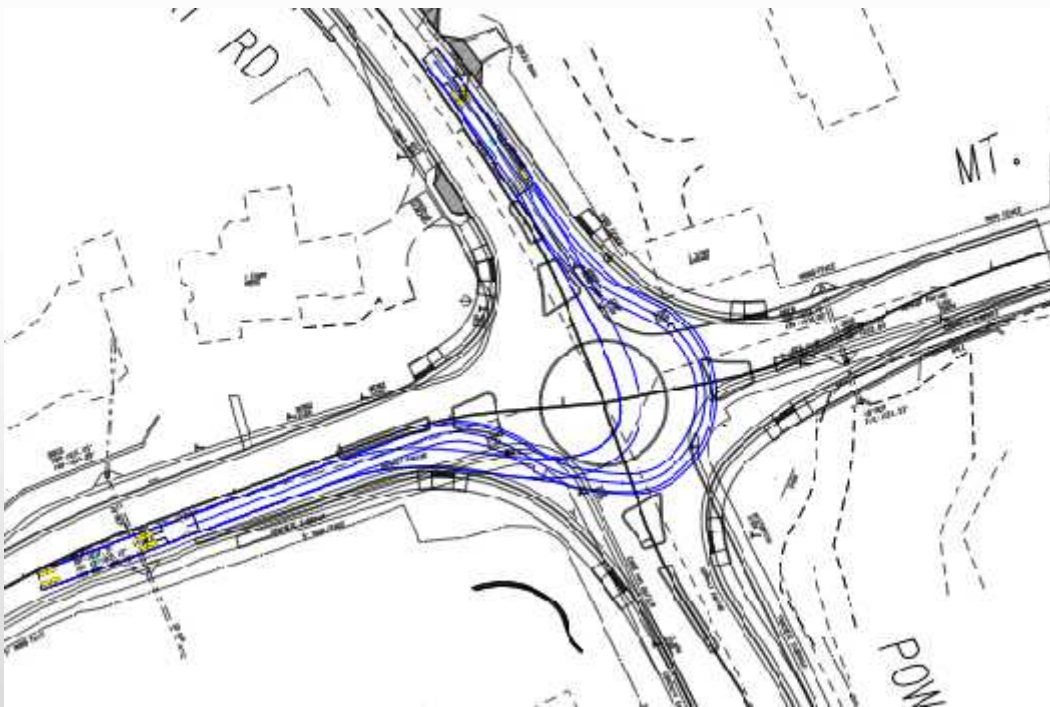
- Intersection currently a four-way stop
- Intersection Concerns:
 - Operates with excessive delay for motorists and a failing level of service in AM and PM peak hours
 - History of side-impact, angle crashes (33 vehicle crashes between 2011-16)
 - ROW on the west half of the project area incorrectly includes part of the road and sidewalk
- Based on engineering analysis, a roundabout was determined as the best alternative for addressing intersection concerns



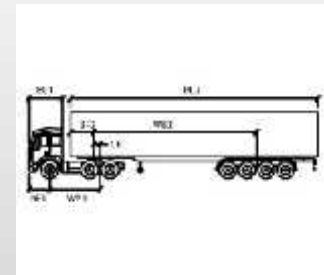
Project History

- ROW Dedication included in 1987 Zoning Case
- Traffic Study completed by Arcadis: July 15, 2016
- Residents Meeting: Nov. 2, 2016
- PIOH (Roundabout preferred): Jan. 26, 2017
- Presentation of Concept to Mayor/Council: March 21, 2017
- Contract Amendment (Roundabout design) approved by Mayor/Council: June 20, 2017
- Design Kickoff : July 10, 2017
 - Survey Complete – Nov 7, 2017
 - ROW Plans Complete – Nov 25, 2017
 - LDP Concept Review - Dec 7, 2017

Roundabout Concept



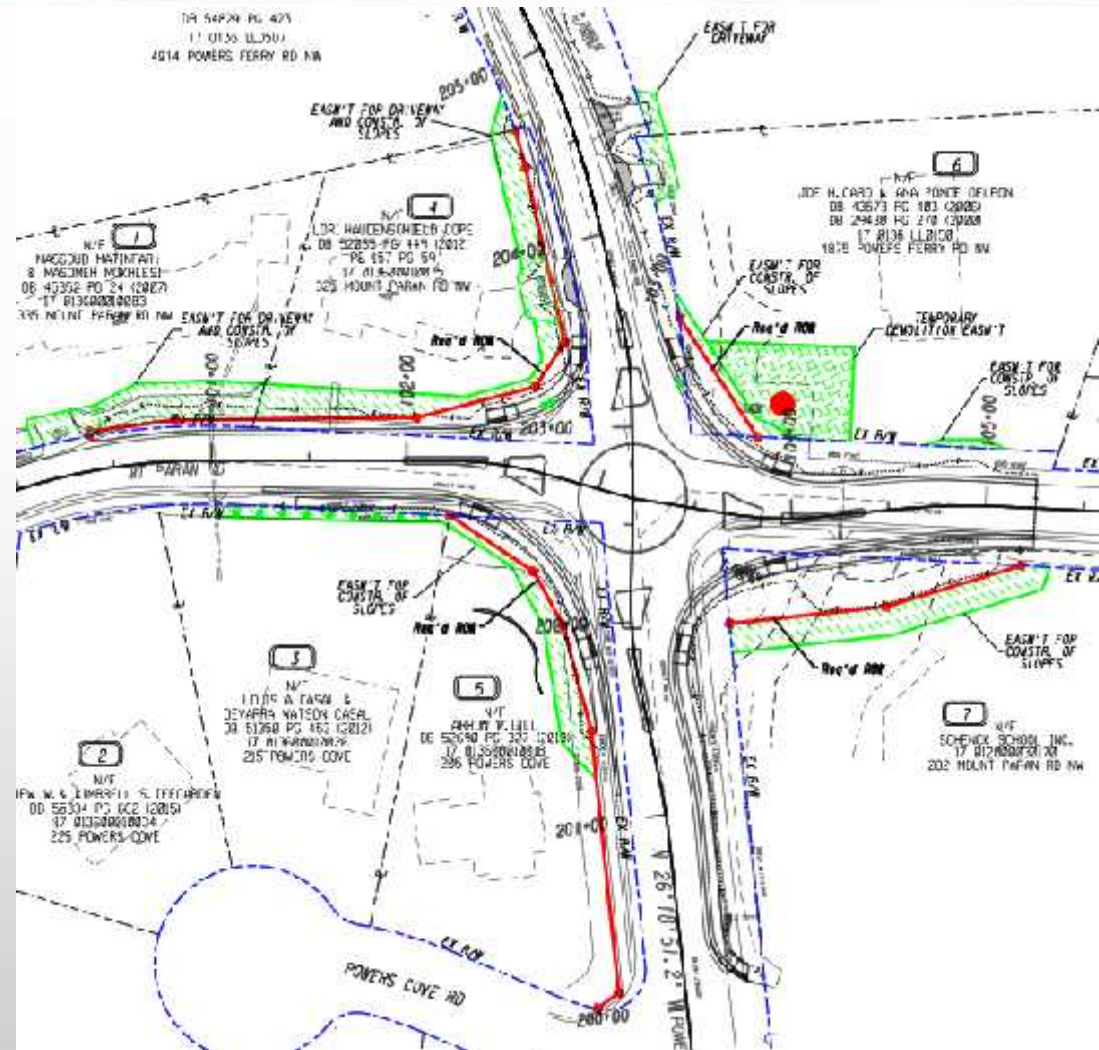
- Blue lines are tire paths of the Design truck (WB-67) traversing the most difficult roundabout maneuver using the mountable middle area
 - Up to 3% of vehicles are trucks - includes some large trucks such as moving vans
- Revised Concept with a 90' radius roundabout does not allow a planted inner circle (reference blue tire paths)



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Preliminary ROW Plans

Parcel #	Prop'd POW	Req'd Easements	Temporary Demolition Easements
1	942.39 Sq. Ft. (0.056 Acres)	915.25 Sq. Ft. (0.049 Acres)	N/A
3	N/A	625.45 Sq. Ft. (0.019 Acres)	N/A
4	4200.71 Sq. Ft. (0.054 Acres)	3259.40 Sq. Ft. (0.075 Acres)	N/A
5	5552.29 Sq. Ft. (0.129 Acres)	1433.53 Sq. Ft. (0.032 Acres)	N/A
6	934.80 Sq. Ft. (0.023 Acres)	1065.89 Sq. Ft. (0.028 Acres)	2742.19 Sq. Ft. (0.063 Acres)
7	3447.30 Sq. Ft. (0.079 Acres)	2456.49 Sq. Ft. (0.056 Acres)	N/A
8	N/A	195.15 Sq. Ft. (0.04 Acres)	N/A
9	N/A	122.11 Sq. Ft. (0.03 Acres)	N/A
● Total			



Estimated Project Costs

Preliminary Engineering	\$270,000
ROW/Utility Relocates	\$630,000
<u>Construction</u>	<u>\$1,100,000</u>
TSPLOST Budget Allocation	\$2,000,000

Next Steps (Pending Approval):

- Final Design – February – March 2018
- ROW Acquisition – March – October 2018
- Utility Relocations – November 2018 – July 2019
- Construction – August 2019 – February 2020