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East Harwich Village Center Preliminary Transportation Analysis

June 18, 2014

Presentation Outline



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- **Analysis Approach**
- **Development Scenario**
- **Key Preliminary Findings**
- **Next Step**

Analysis Approach



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- Measure existing traffic volumes
- Estimate potential new trips
- Quantify impacts on the roadway network
- Identify any potential need for infrastructure improvements



Development Scenario



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- **200,000 sq. ft. of residential**
 - (160 units at 1,250 sq. ft.)
- **200,000 sq. ft. of commercial**
 - 35% retail (70,500 sq. ft.)
 - 15% office (30,000 sq. ft.)
 - 25% medical-dental office (49,500 sq. ft.)
 - 15% restaurant (30,000 sq. ft.)
 - 10% other commercial (20,000 sq. ft.)

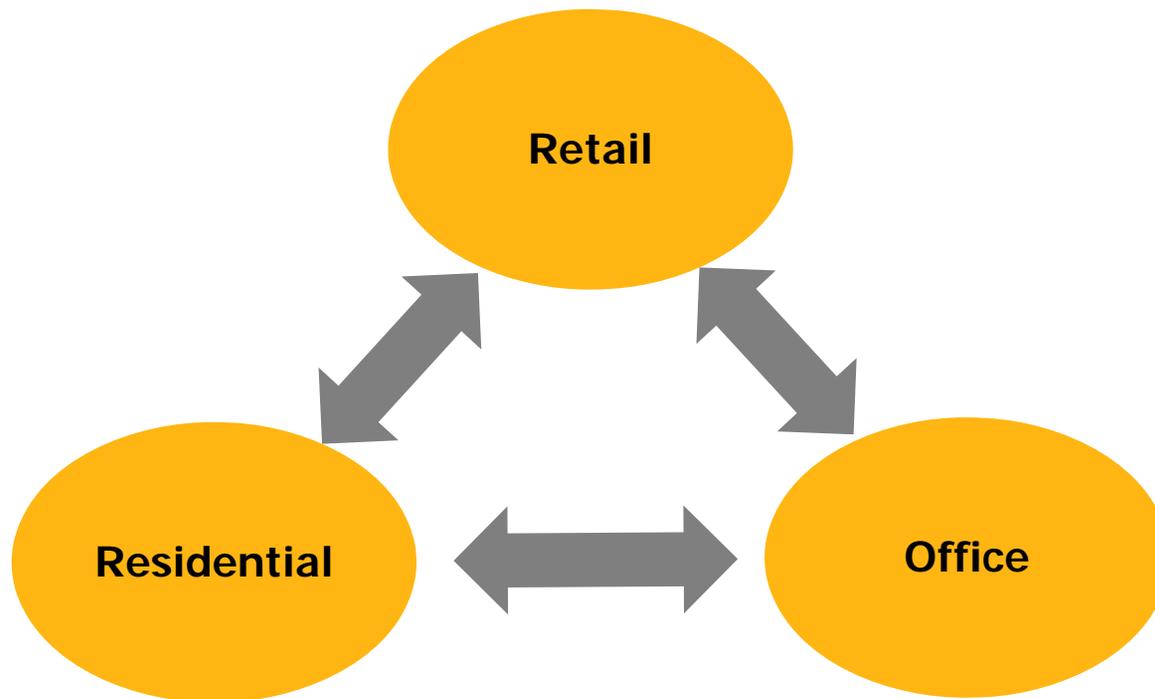


Key Preliminary Finding: Internal Trip Capture



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- **10-15% of new trips will remain within the village center** (based on the mix of uses proposed following *Institute of Transportation Engineers* methodology)



Note: Preliminary analysis based on the 400,000 sq. ft. development proposal. Subject to change with further analysis.

Key Preliminary Finding: Route 137 Operation



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- A 25-30% increase in traffic would be experienced on Route 137 north of the village center (Based on the 400,000 sq. ft. development proposal)
- The roadway could continue to operate as a two lane roadway



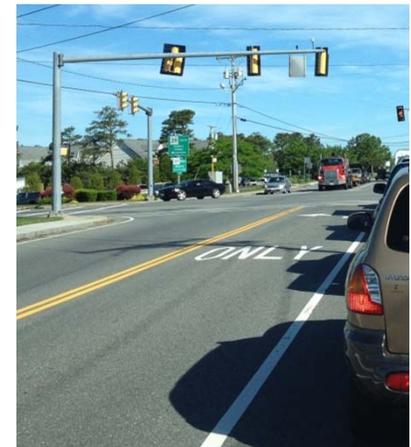
Note: Preliminary analysis based on the 400,000 sq. ft. development proposal. Subject to change with further analysis.

Next Steps



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- **Continue data collection in July**
- **Conduct further analysis on:**
 - Route 137 and Route 39 roadways
 - Route 137/39 intersection
 - Route 6 ramps
 - Potential internal village connections on Route 137 and Route 39
- **Present findings of the study in a report in late August/early September**



Questions?



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