Connectivity Studio

Transportation Elements
Georgia Tech Studio
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Existing Conditions
Walkability
Existing Transit
Bicycle Infrastructure
**BACKGROUND INFO**

- **Lack of trust in government/big business officials**
  Historically underserved area requires additional transparency and community interaction

- **Neglected pedestrian environment and poor connectivity in street network**
  Requires high capital funds from public sector to address sidewalk improvements, flooding, perceptions of safety

- **Neighborhoods rich in history**
  Opportunities to bring in tourism and develop greater communal identity

- **The potential of anticipated amounts of cataclysmic money to impose rather than spread benefits across community**
  Various individual plans with large amounts of uncertainty have shown little effort (but not little desire) to coordinate activities to date
**Problem Statements (1)**

- **Problem: Lack of neighborhood visibility and street network legibility**
  - Target stakeholder: Potential tourism + small business
  - Potential resolution: wayfinding signage/ public art along historic route

- **Problem: Stadium parking overflow**
  - Target stakeholders: local residents + gameday tailgaters
  - Potential resolution: parking permit system + multi-use designated tailgate area

- **Problem: Lack of street network connectivity in parallel plans**
  - Target stakeholders: GDOT + city of Atlanta + MMPT + Falcons
  - Potential resolution: consolidated map incorporating all plans with alternatives
Problem Statements (2)

- **Problem: Pedestrian Safety and ADA Compliance**
  - Target Stakeholder: Local Residents + Businesses + Churches
  - Potential Resolution: ADA compliant guidelines for all new street alterations + street light audit + selected traffic calming (2-way street conversions)

- **Problem: Potential Impact of New Traffic**
  - Target Stakeholders: Local Residents + MMPT & Falcons Users + Commuters
  - Potential Resolution: Public feedback on potential transit route selection

- **Problem: Flooding and Degradation of Watershed**
  - Target Stakeholders: Local Residents + Businesses
  - Potential Resolution: Coordinate with environmental team on bioretention & bioswell along street network
Framework Plan

Network Solutions
- Plan Connectivity
- Street Network Connectivity
- Wayfinding
- Stormwater Management
- Transit Route Coordination

Segment Solutions
- Traffic Signal Coordiantion
- Transit Reliability and Real-time Information
- Consistent Cross Sections
- Traffic Calming + Lighting
- Reversible Lanes
- Parking Management

Link Solutions
- Mid-block Crossings
- Bus Stop Management
- Transit Signal Priority

Intersection Solutions
- Queue Jump Lanes
- Curb Extensions
- Leading Pedestrian Intervals
- Red Light Running Cameras
- Lane Configurations

Analysis

Solution Set and Performance Measures
**Schedule**

- **Week 4:** Assignment 1 Presentation
- **Week 5:** Case studies + Incorporate feedback + Coordinate w/ other teams on overlapping issues
- **Week 6:** Update report, meet w/ stakeholders
- **Week 7:** Update report, meet w/ stakeholders
- **Week 8:** Update report, meet w/ stakeholders
- **Week 9:** Assignment 2 presentation
- **Week 10:** Reflect, refine, and synthesize
- **Week 11:** Update report, meet w/ stakeholders
- **Week 12:** Update report, meet w/ stakeholders
- **Week 13:** Update report, meet w/ stakeholders
- **Week 14:** Assignment 3 presentation
- **Week 15:** Final report preparation
- **Week 16:** Complete work
Conclusion

- Focus attention on integrating existing ideas and plans with one another

  Develop new plans/ideas where the needs of multiple communities are in conflict or where a new idea can tie together multiple divergent plans