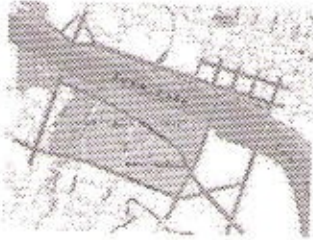


Mike McInteriff

TOWN LAKE PARK MASTER PLAN



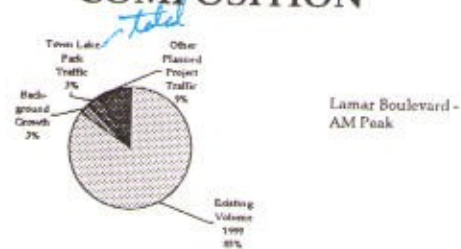
PROJECT HISTORY

- April 13-16 charrette included preliminary traffic analysis and parking demand estimates
- Master Plan from charrette showed removal of Riverside Drive through Town Lake Park
- WHM engaged to conduct an analysis to study the network impact of removal of Riverside Drive

PROBLEM DEFINITION

- Congestion occurs only during rush hours
- Impact of park traffic is negligible
- Traffic from planned projects in downtown area has a greater impact than park traffic

TRAFFIC VOLUME COMPOSITION



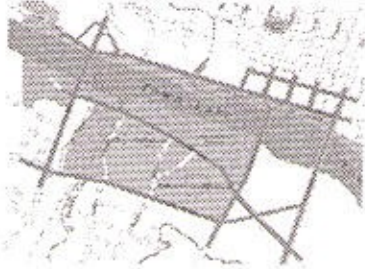
**Impact of Closure of
Riverside is the Real Issue -**

**NOT Town Lake Park
Traffic**

ANALYSIS TOOL: CORSIM

- A simulation model that predicts the effects of changes to a roadway network using overall system performance measures
- Operational performance is evaluated with average vehicle speed, vehicle stops, delay, vehicle hours of travel, vehicle miles of travel, and fuel consumption

STUDY NETWORK



ANALYSIS SCENARIOS

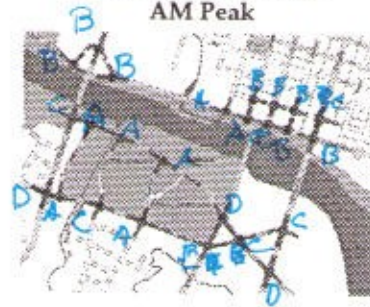
AM and PM Peaks

- Existing Condition: Riverside As Is
- 2005 Forecasted Condition: Riverside As Is
- 2005 Forecasted Condition: Riverside WB Only
- 2005 Forecasted Condition: Riverside Closed Between S. 1st Street and Lee Barton Drive

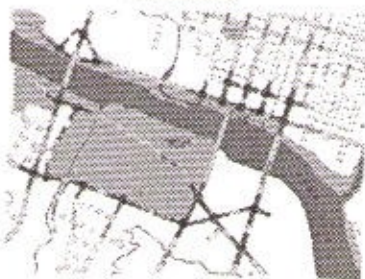
FUTURE TRAFFIC CONDITIONS INCLUDE:

- Background Growth
- Estimates for Austin-Bergstrom International Airport traffic
- Emerging Area Projects

EXISTING CONDITION RIVERSIDE AS IS AM Peak



2005 CONDITION RIVERSIDE AS IS AM Peak

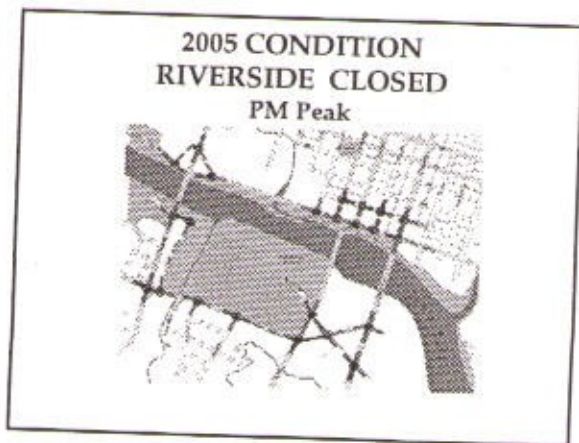
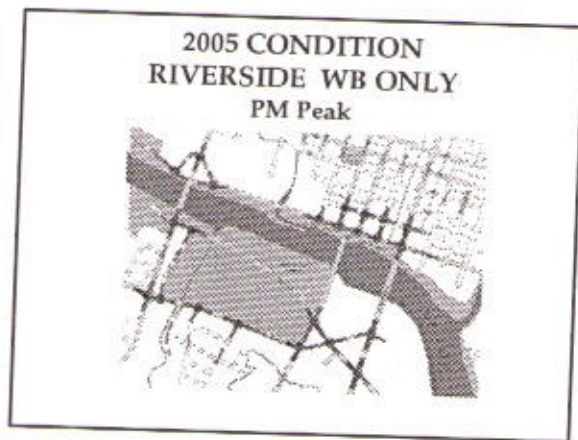
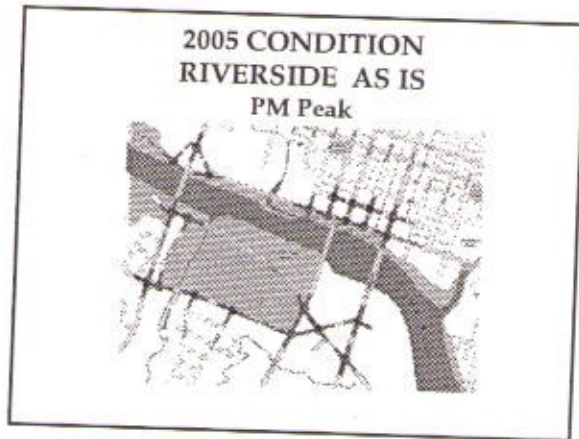
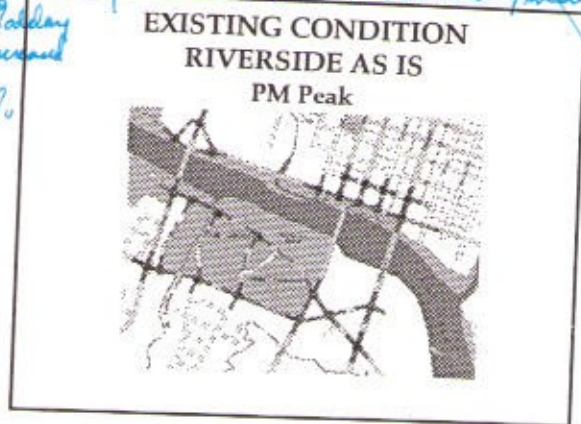
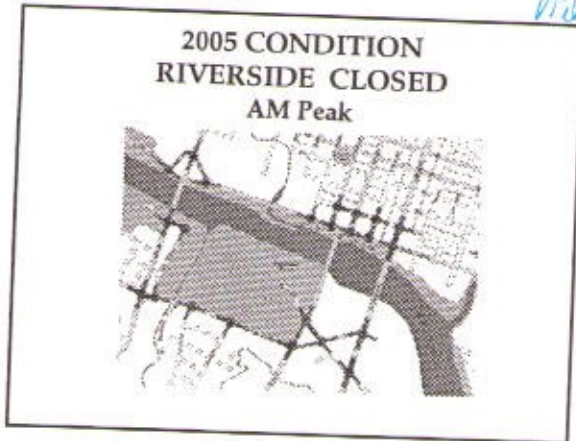


2005 CONDITION RIVERSIDE WB ONLY AM Peak



7.4 seconds additional delay

17000 cars
 Highway - 37% delay w/ removing eastbound + lane merging westbound
 89% delay increased
 7.4%



SYSTEM DELAY COMPARISON

Scenario	System Stop-Delay (veh-hrs)	
	AM Peak	PM Peak
1. Existing Network and Traffic Conditions	381	353
2. Future Condition: Riverside As Is	424	457
3. Future Condition: Riverside WB Only	439	470
4. Future Condition: Riverside Closed	459	492

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Disinfectants
 AM/PM
 Riverside

457 | 35.00
 31.99
 30.10

STUDY OBSERVATIONS

- Maintaining WB flow on Riverside Drive Produces Similar Network Patterns that Exist with the Existing Roadway Network
- Closure of Riverside Drive Results in Significantly Longer Queues on the South First Street Bridge and Reduces Demand on Lamar Boulevard.

RIVERSIDE CLOSURE MITIGATION

- Remove 6% of Traffic on Network via Ridesharing, Transit, or Management Incentives
- 15% shift of Traffic within Network

QUESTIONS?

COMMENTS?