

# Urban Traffic Optimization Report

## Congestion Summary

- **5th Ave & Main St:** Moderate, Speed 22.5 km/h, Vehicle Count 160
- **Elm Rd & Oak St:** Severe, Speed 17.8 km/h, Vehicle Count 190
- **7th Ave & Pine St:** Moderate, Speed 25.1 km/h, Vehicle Count 130

## Disruption Events

- **Elm Rd & Oak St (Accident):** Started at 08:15, Expected Duration 45 minutes
- **7th Ave & Pine St (Roadwork):** Started at 07:30, Expected Duration 120 minutes

## Signal Timing Recommendations

- **5th Ave & Main St:**  
Green: 40s  
Red: 30s  
Status: Moderate
- **Elm Rd & Oak St:**  
Green: 45s  
Red: 25s  
Status: Severe
- **7th Ave & Pine St:**  
Green: 35s  
Red: 35s  
Status: Moderate

## Transit Impact

- **Bus 42:** Conflict at Elm Rd & Oak St — Suggestion: Reroute via Maple Ave
- **Tram A:** Conflict at 7th Ave & Pine St — Suggestion: Schedule a delay of 10 minutes

## Citizen Feedback Highlights

Area	Issue Type	Severity	Speed (km/h)	Vehicle Count
5th Ave & Main St	Signal failure	High	N/A	N/A
Elm Rd & Oak St	Accident	Severe	N/A	N/A
Elm Rd & Oak St	Illegal parking	Medium	N/A	N/A
7th Ave & Pine St	Roadwork	High	N/A	N/A

