INTEGRATED CORRIDOR MANAGEMENT

LANES CLOSED AHEAD
DETOUR EXIT 32A
PALM TO POTTER

LANES CLOSED
AHEAD
DETOUR
EXIT 32A
MAPLE TO
POTTER

PERFORMING ARTS

CHERRY ST.

PALM DR.

ELM ST.

MAPLE ST.

POTTER ST.

SwRI develops integrated corridor management (ICM) systems to optimize the performance of a regional transportation system as an integrated network rather than independently operated assets. ICM systems coordinate across freeways, surface streets and transit systems to balance traffic flow and improve performance of the entire corridor. These systems rely on fusing tremendous amounts of data from various public and private sources.

For example, SwRI is developing technology to improve traffic incident response through data fusion and analysis of third party and crowdsourced data.

SwRI is automating a coordinated incident response using a decision support system, integrating transportation management systems, regional operators and infrastructure into a seamless real-time corridor solution.

1. ICM detects incident & evaluates response

2. ICM recommends new route

3. ICM communicates new routing

4. ICM changes timing for route signals

5. ICM reroutes traffic

6. ICM monitors traffic for return to normal operations