APPENDIX G

Traffic Management

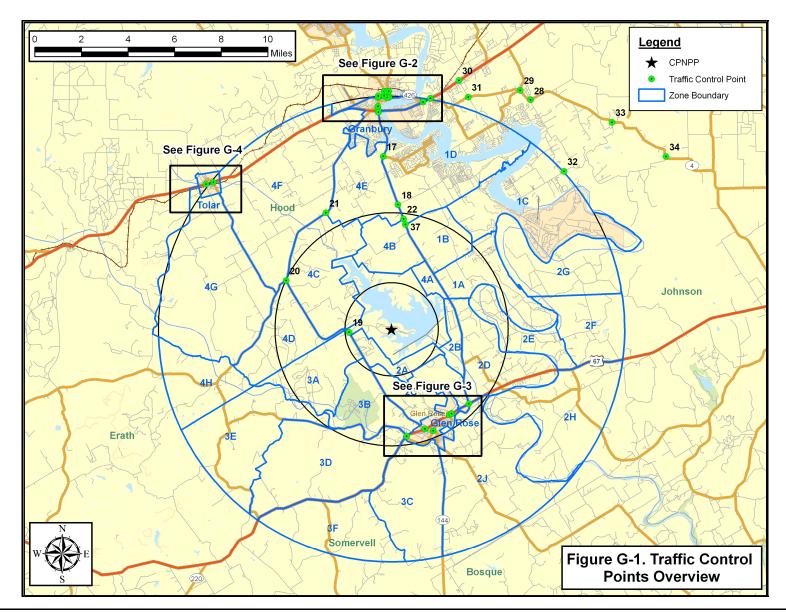
APPENDIX G: TRAFFIC MANAGEMENT

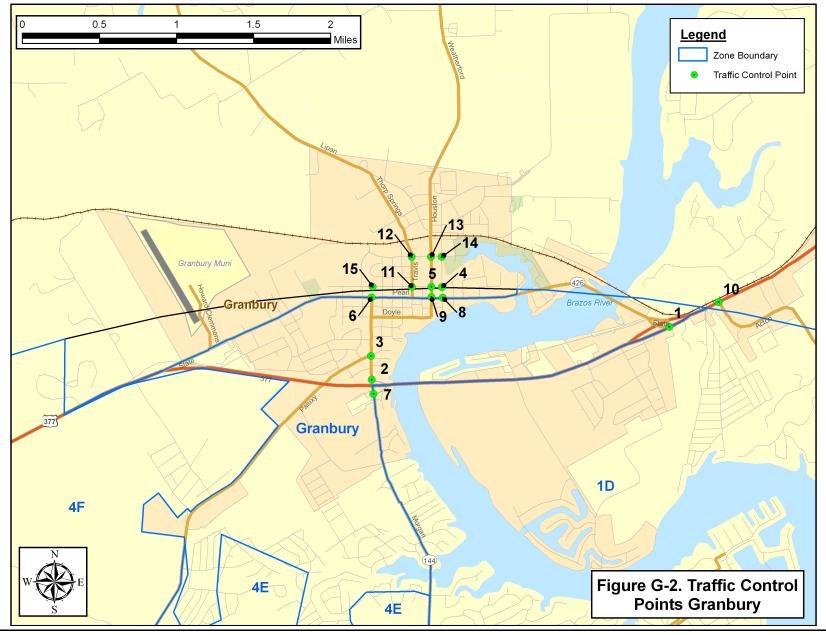
This appendix presents the traffic control and access control tactics implemented in developing evacuation time estimates for the Comanche Peak Nuclear Power Plant. Suggested Traffic Control Points (TCP) and Access Control Points (ACP) are listed, recognizing that existing plans are in place and have been tested. **This Appendix provides information that may be considered in updating the existing plans, but does not supersede them.** TCP and ACP should be manned according to priority, manpower and available equipment resources – not all TCP and ACP need to be activated.

Pages G-2 through G-43 detail the TCP, which are typically within the EPZ or just outside the EPZ. TCP are established to facilitate the flow of evacuating traffic from the Region being evacuated. Figure G-1 presents an overview map of the TCP, while Figures G-2 through G-4 depict the TCP in the more populated areas of the EPZ. Table G-1 summarizes the TCP and the manpower and equipment needed to implement traffic control. The table is sorted by county and by priority.

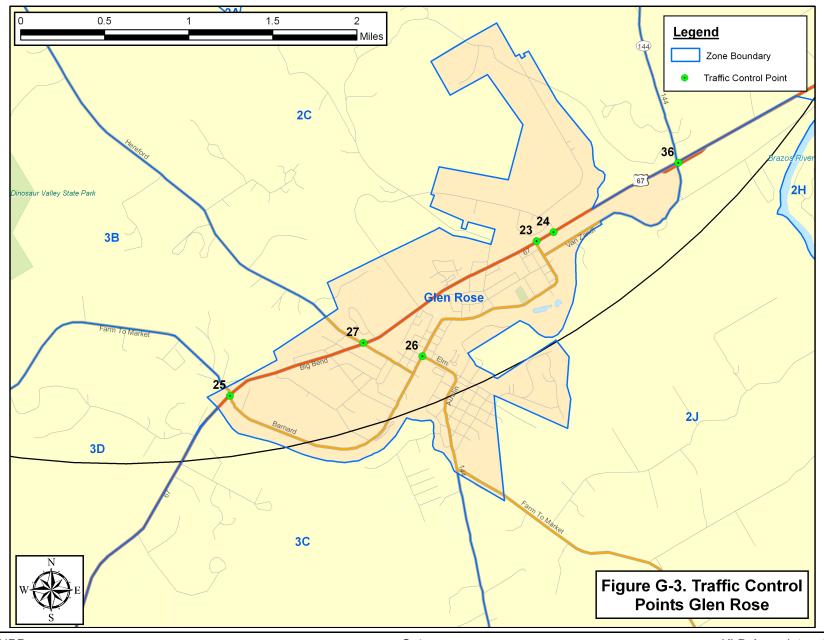
Pages G-44 through G-61 detail the ACP, which are typically on the periphery of the EPZ; these points are established to divert vehicles from entering the EPZ. Doing so provides all of the available roadway capacity within the EPZ to the evacuees. Table G-2 summarizes the ACP and the manpower and equipment needed to establish access control, while Figure G-5 provides a detailed map of the location of each ACP.

Manpower and equipment shortages are likely to arise; as such, prioritization of TCP and ACP was established to make the most efficient use of manpower and equipment in the event of an emergency. The use of ITS technologies, as outlined in Section 9, can also aid in overcoming resource constraints.

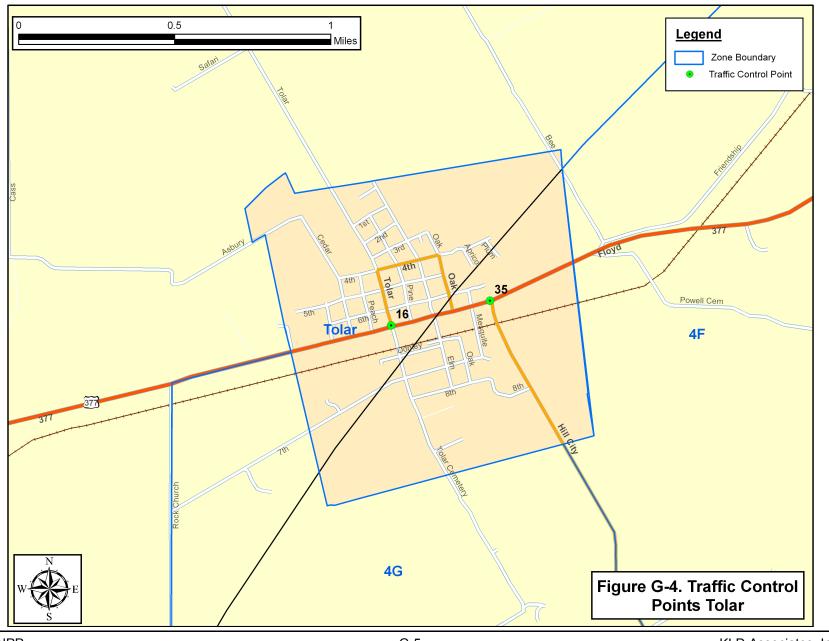




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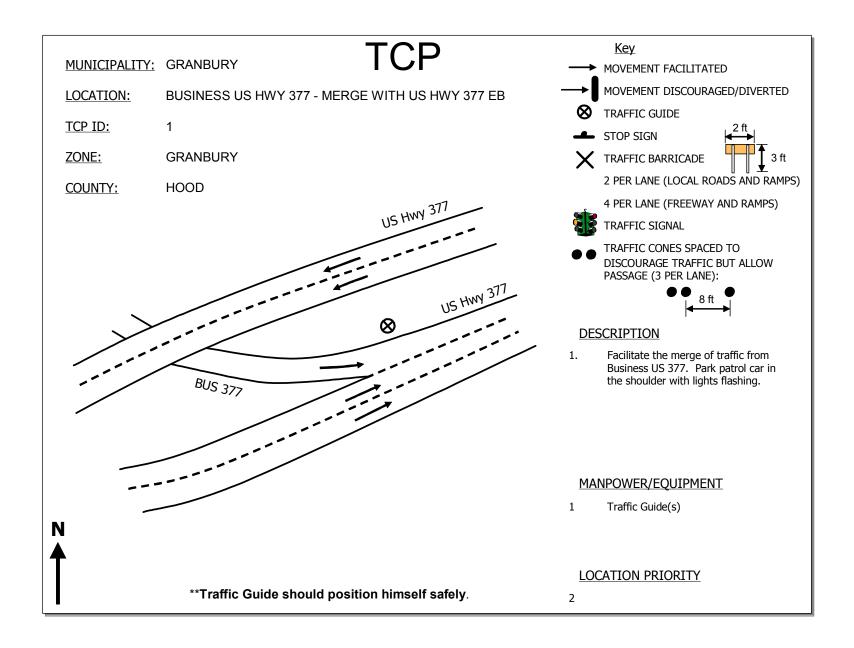
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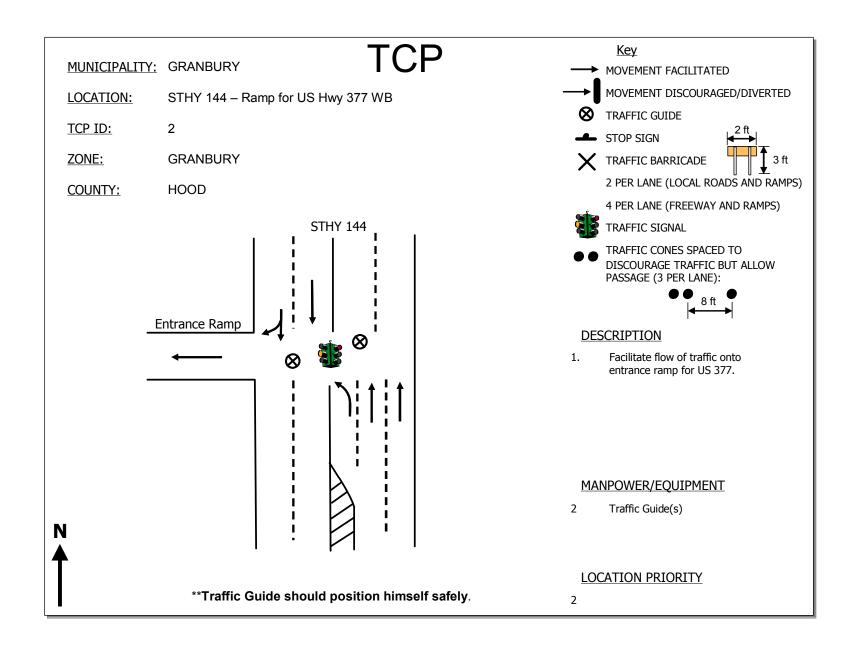


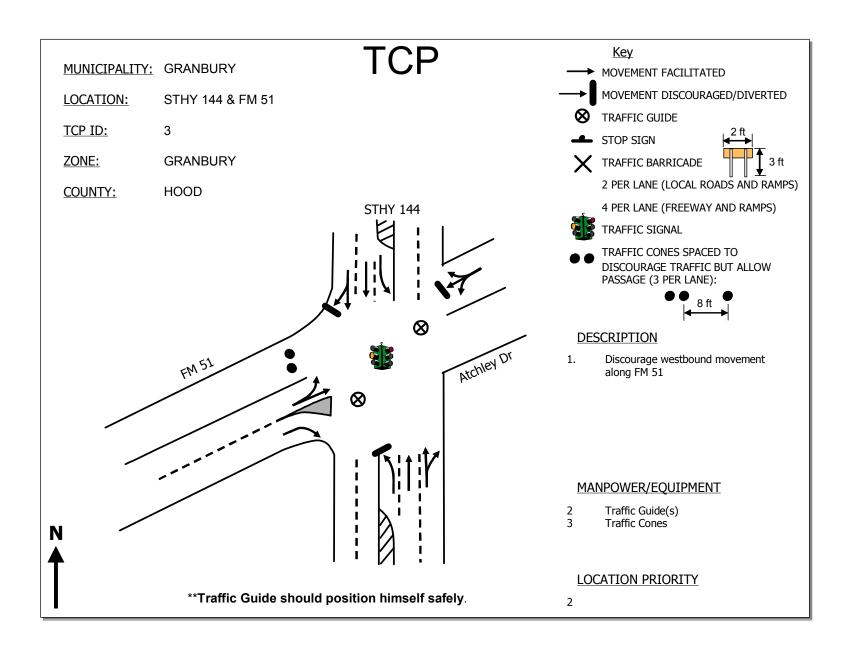
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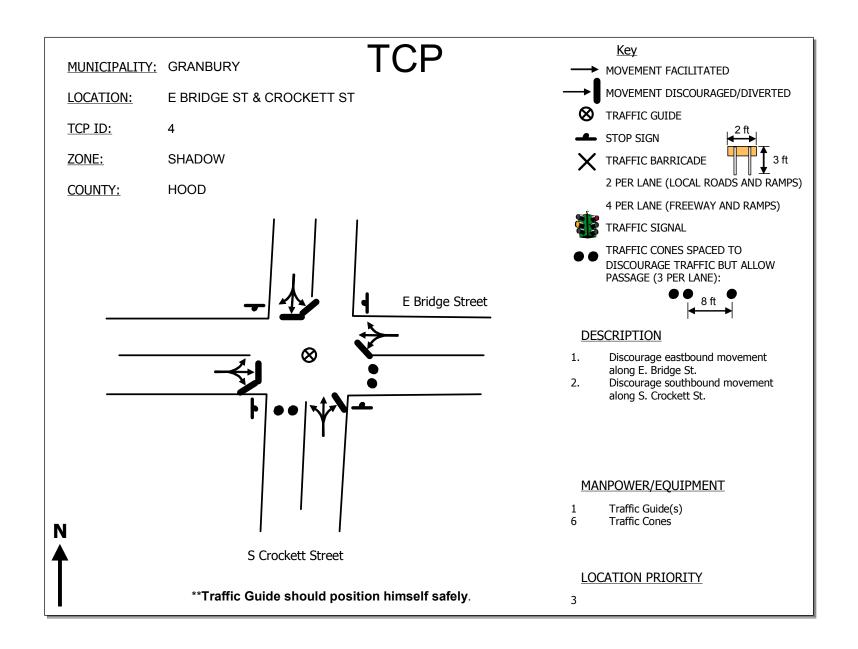
| Table G-1. Comanche Peak Traffic Control Point Summary | | | | | | |
|--|-----|--|---------------|----------|--------|-------|
| | | Hood County Traffic Control Po | ints | | | |
| | TCP | | | | # of | # of |
| ZONE | ID | Intersection Location | Municipality | Priority | Guides | Cones |
| Granbury | 7 | STHY 144 - Ramp for US Hwy 377 EB | Granbury | 1 | 2 | 6 |
| Shadow | 10 | Acton Hwy (FM 4) & US Hwy 377 | Granbury | 1 | 2 | 12 |
| Tolar | 16 | US Hwy 377 & FM 201 | Tolar | 1 | 1 | 6 |
| 1D | 17 | Glen Rose Hwy (STHY 144) & Contrary Creek Rd | Granbury | 1 | 2 | 6 |
| 1D | 18 | Glen Rose Hwy (STHY 144) & Williamson Rd | Granbury | 1 | 1 | 6 |
| 4E | 21 | Paluxy Hwy (FM 51) & Neri Rd | Granbury | 1 | 1 | 3 |
| 1D | 22 | Glen Rose Hwy (STHY 144) & Neri Rd | Granbury | 1 | 1 | 6 |
| Shadow | 29 | Fall Creek Hwy (FM 167) & Acton Hwy | Granbury | 1 | 1 | 3 |
| Tolar | 35 | US Hwy 377 & Hill Hwy (FM 56) | Tolar | 1 | 1 | 9 |
| Granbury | 1 | Business US Hwy 377 - Merge With US Hwy 377 EB | Granbury | 2 | 1 | 0 |
| Granbury | 2 | STHY 144 - Ramp for US Hwy 377 WB | Granbury | 2 | 2 | 0 |
| Granbury | 3 | STHY 144 & FM 51 | Granbury | 2 | 2 | 3 |
| Shadow | 5 | Houston St (FM 4) & Bridge St | Granbury | 2 | 1 | 3 |
| Granbury | 6 | STHY 144 & Pearl St (BUS 377) | Granbury | 2 | 2 | 6 |
| Granbury | 8 | E Pearl St (BUS 377) & Crockett St | Granbury | 2 | 1 | 6 |
| Granbury | 9 | Pearl St (BUS 377) & Houston St | Granbury | 2 | 1 | 6 |
| Shadow | 11 | Travis St & W Bridge St | Granbury | 2 | 1 | 6 |
| Shadow | 28 | Cleburne Hwy & Fall Creek Hwy & FM 167 | Granbury | 2 | 1 | 3 |
| Shadow | 30 | US Hwy 377 & Cleveland Rd (FM 323) | Granbury | 2 | 2 | 6 |
| Shadow | 31 | Cleveland Rd (FM 323) & Acton Hwy (FM 4) | Granbury | 2 | 1 | 6 |
| Shadow | 33 | Cleburne Hwy & Massey Rd | Granbury | 2 | 1 | 6 |
| 1B | 37 | Glen Rose Hwy (STHY 144) & Mambrino Hwy | Granbury | 2 | 1 | 12 |
| Shadow | 4 | E Bridge St & Crockett St | Granbury | 3 | 1 | 6 |
| Shadow | 12 | N Travis St & W Rucker St | Granbury | 3 | 1 | 6 |
| Shadow | 13 | N Houston St & Rucker St | Granbury | 3 | 1 | 6 |
| Shadow | 14 | E Rucker St & N Crockett St | Granbury | 3 | 1 | 6 |
| Shadow | 15 | Morgan St & W Bridge St | Granbury | 3 | 1 | 6 |
| 4C | 20 | Hill City Hwy (FM 56) & Paluxy Hwy (FM 51) | Tolar | 3 | 2 | 9 |
| 1C | 32 | Fall Creek Hwy & Monticello Dr & Rollins Rd | Granbury | 3 | 3 | 9 |
| | | | | | | 168 |
| Somervell County Traffic Control Points | | | | | | |
| Glen Rose | 36 | US Hwy 67 & STHY 144 | Glen Rose | 1 | 3 | 9 |
| CP | 19 | CPNPP Access Rd & FM 56 | Glen Rose | 2 | 1 | 0 |
| Glen Rose | 23 | Barnard St & US Hwy 67 | Glen Rose | 2 | 2 | 6 |
| Glen Rose | 25 | US Hwy 67 & Barnard St (FM 205) | Glen Rose | 2 | 1 | 6 |
| Glen Rose | | STHY 144 & FM 56 & FM 205 | Glen Rose | 2 | 1 | 6 |
| Glen Rose | 27 | US Hwy 67 & FM 56 | Glen Rose | 2 | 2 | 15 |
| Glen Rose | 24 | Gibbs Blvd & US Hwy 67 | Glen Rose | 3* | 1 | 0 |
| | | Somervell County Total Manpo | | Needed: | 11 | 42 |
| Johnson County Traffic Control Points | | | | | | |
| Shadow | 34 | Cleburne Hwy (FM 4) & FM 1131 | Godley | 2 | 1 | 3 |
| | | Johnson County Total Manpo | wer/Equipment | Needed: | 1 | 3 |
| EPZ Total Manpower/Equipment Needed: | | | | | 51 | 213 |

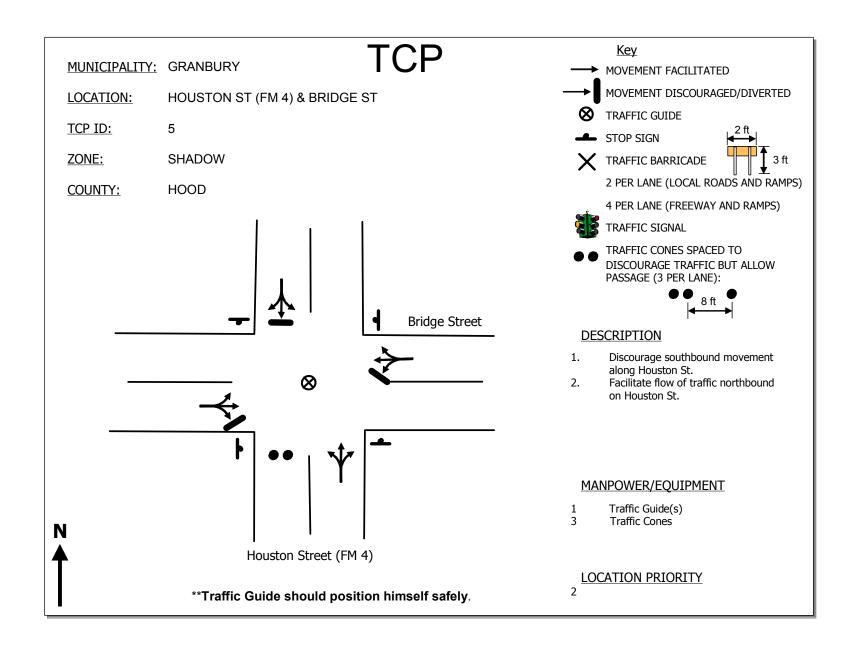
^{*}TCP 24 is a Priority 1 intersection when there is an event at the Amphitheatre, Priority 3 when there is no event.

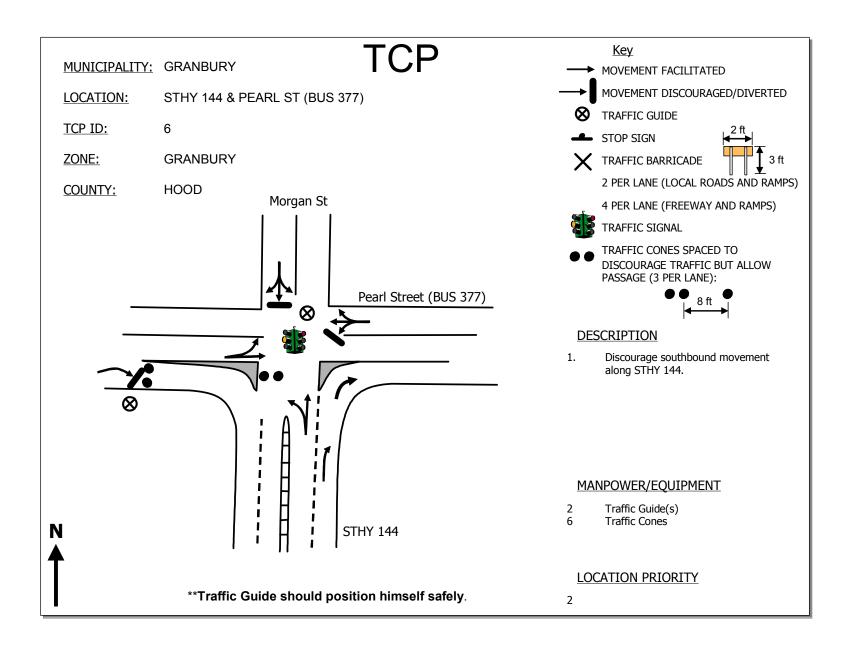


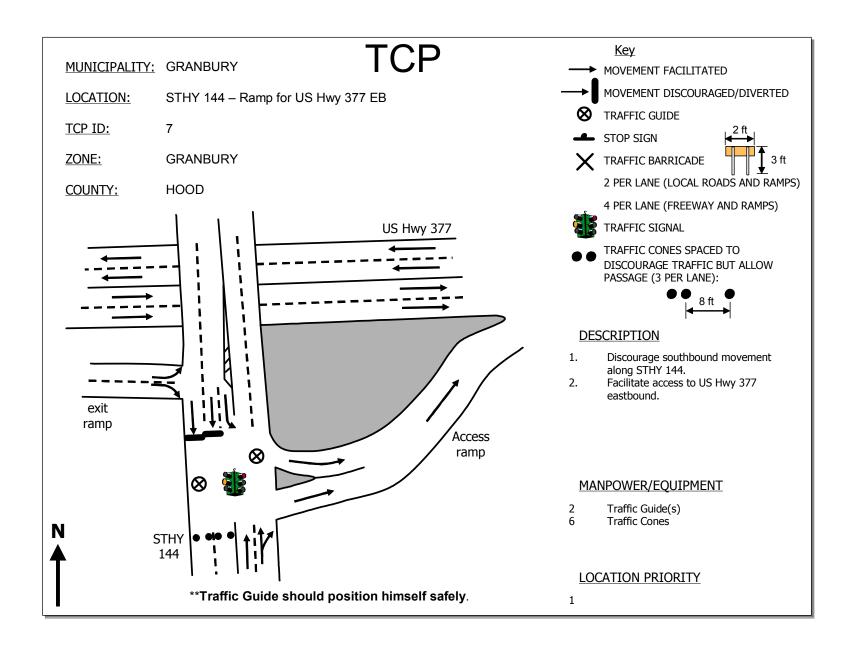


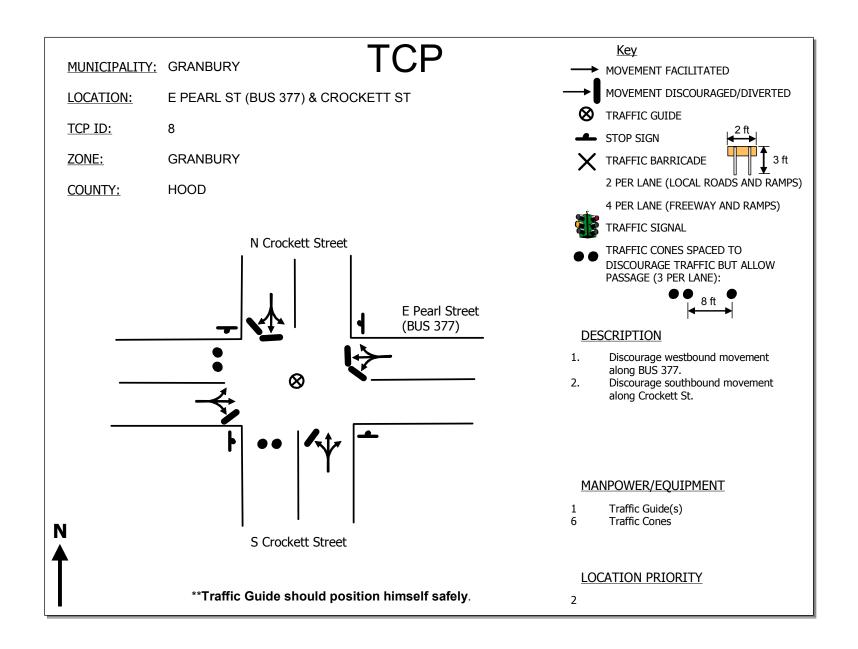


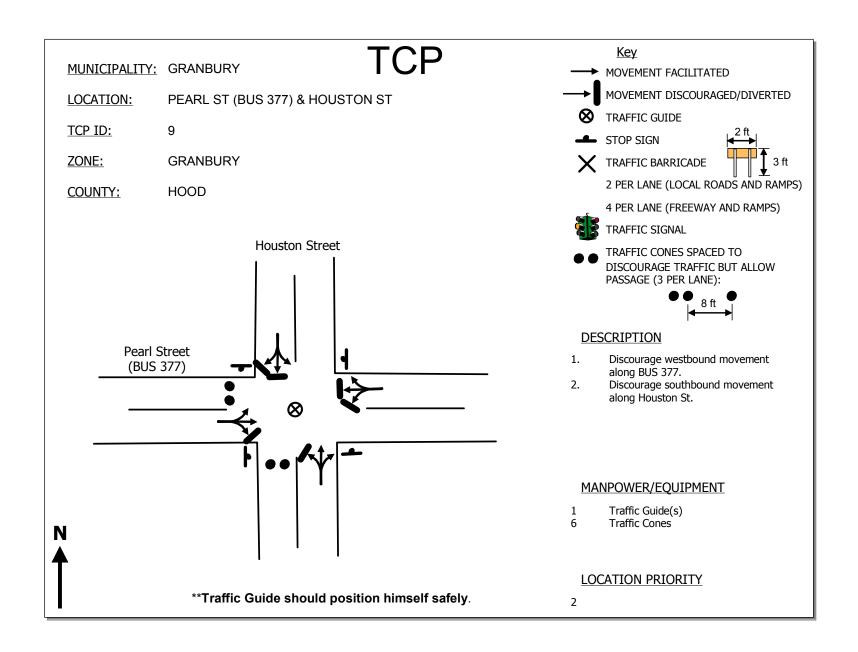


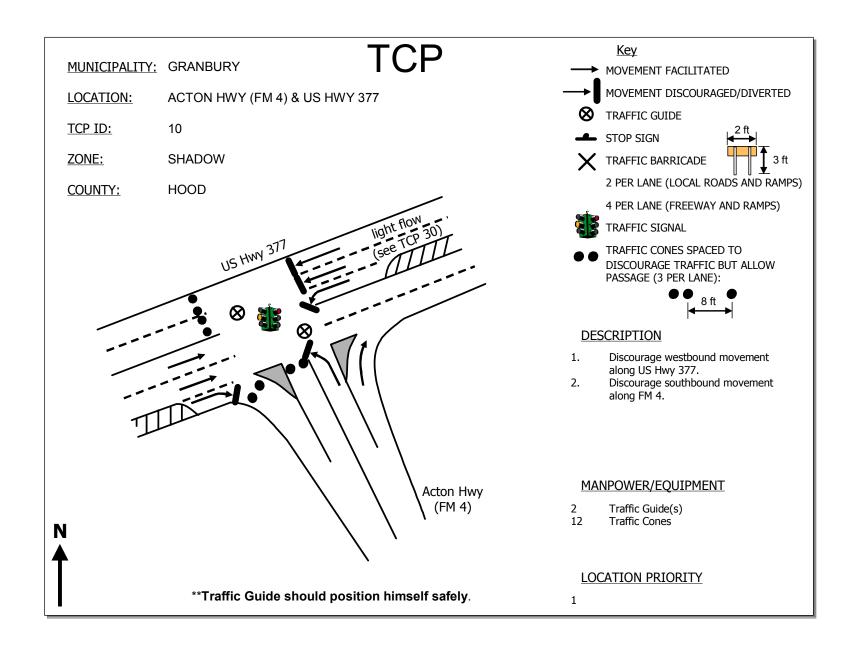


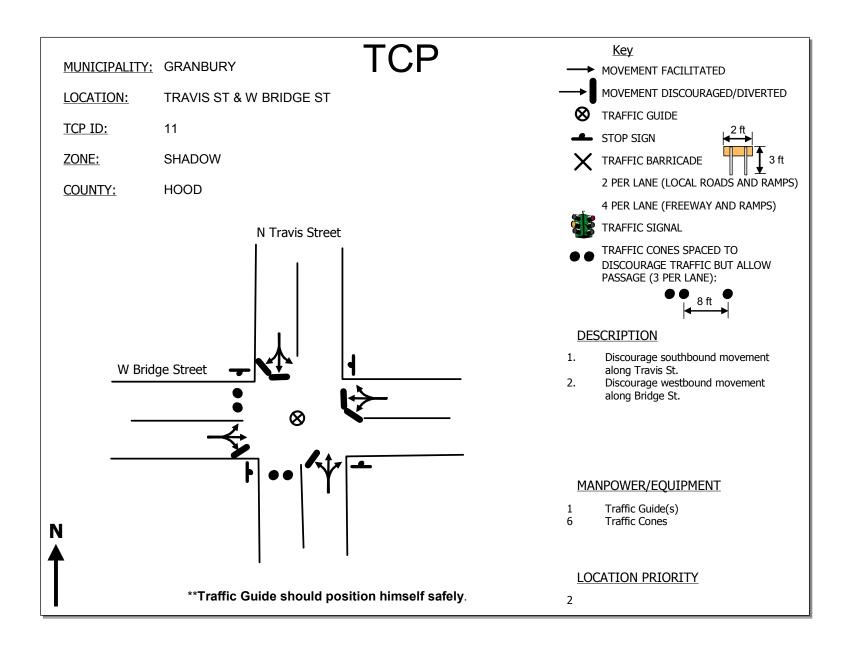


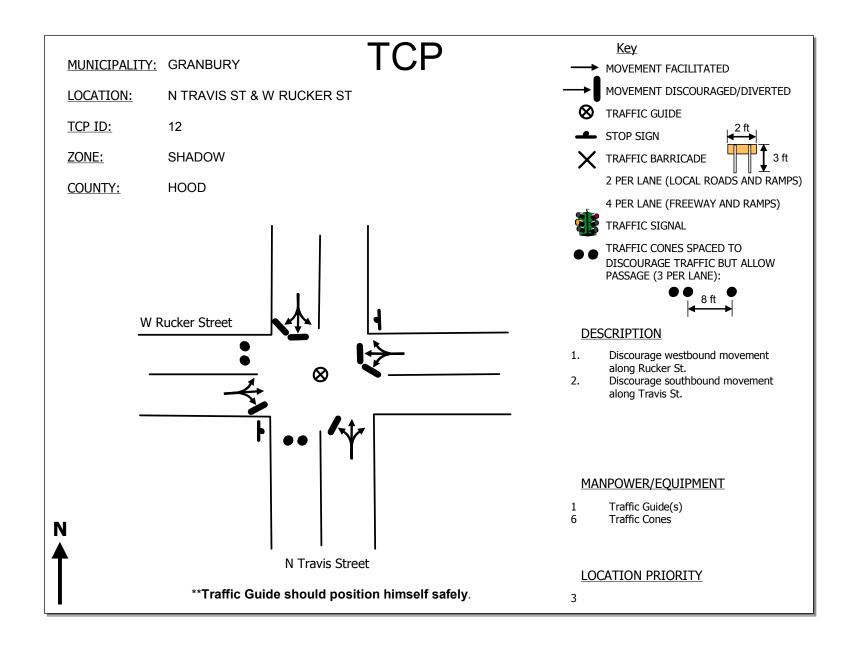


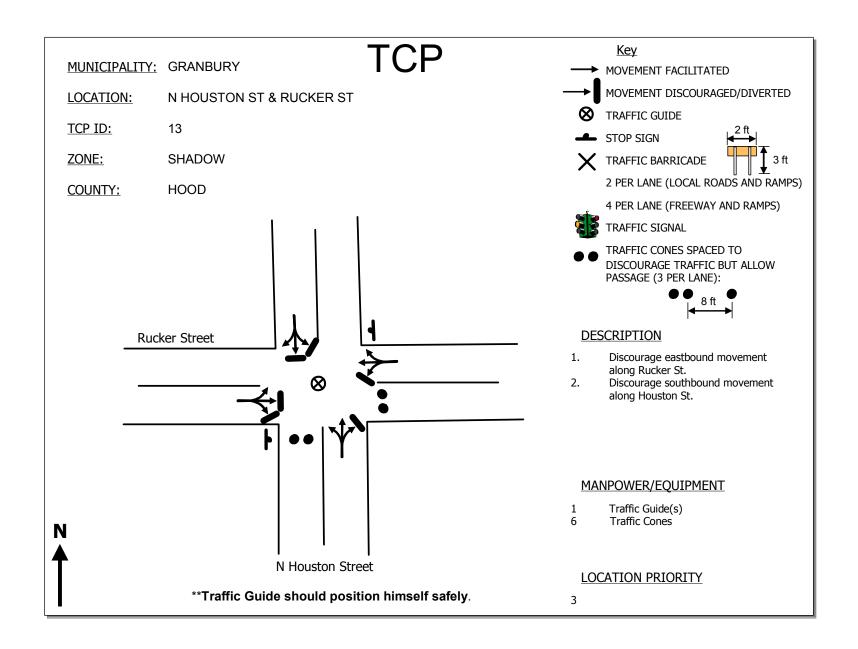


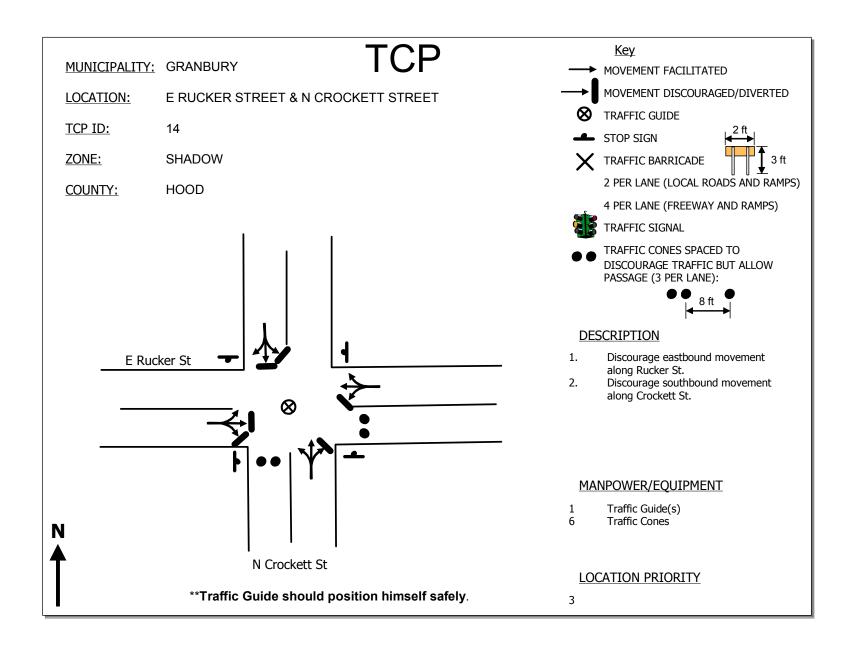


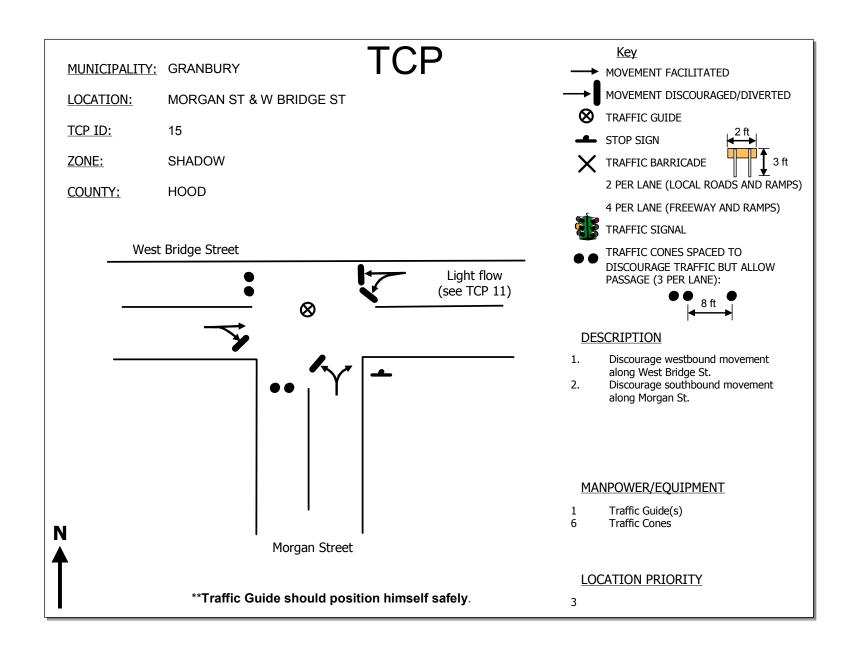


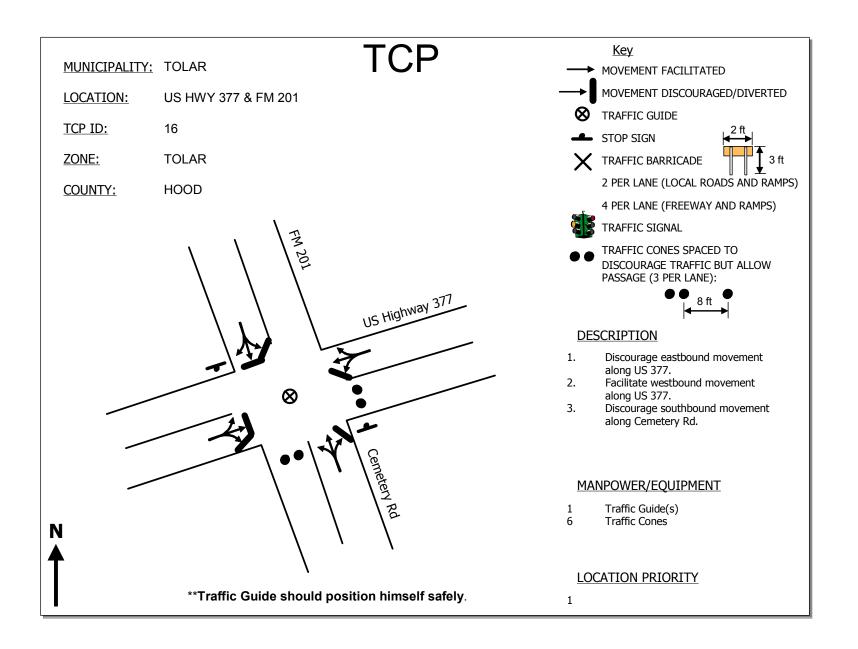


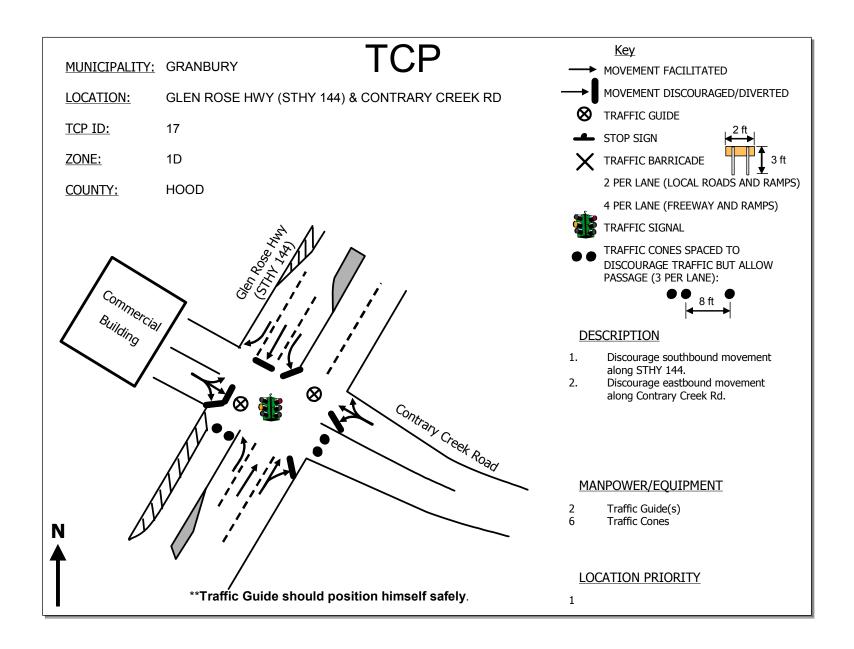


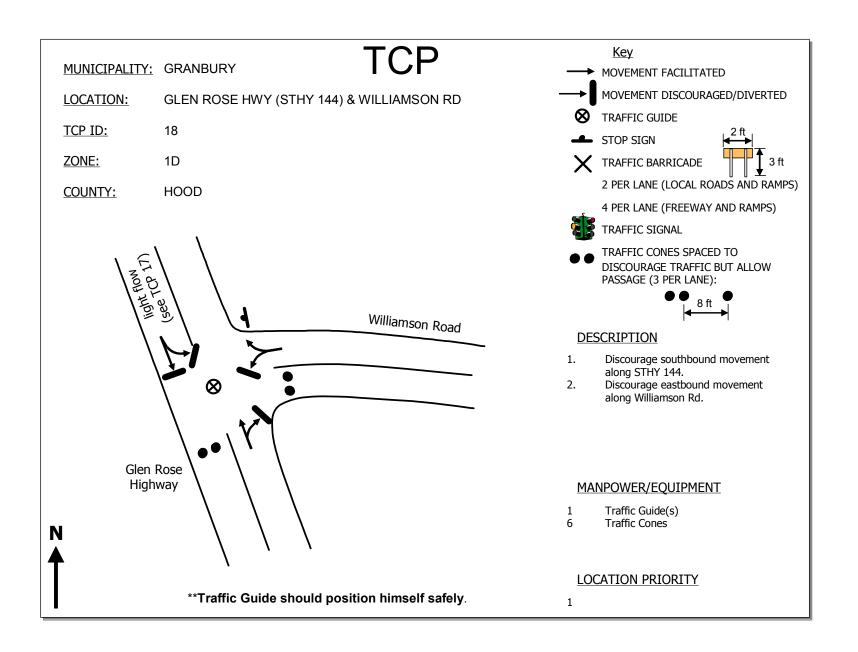


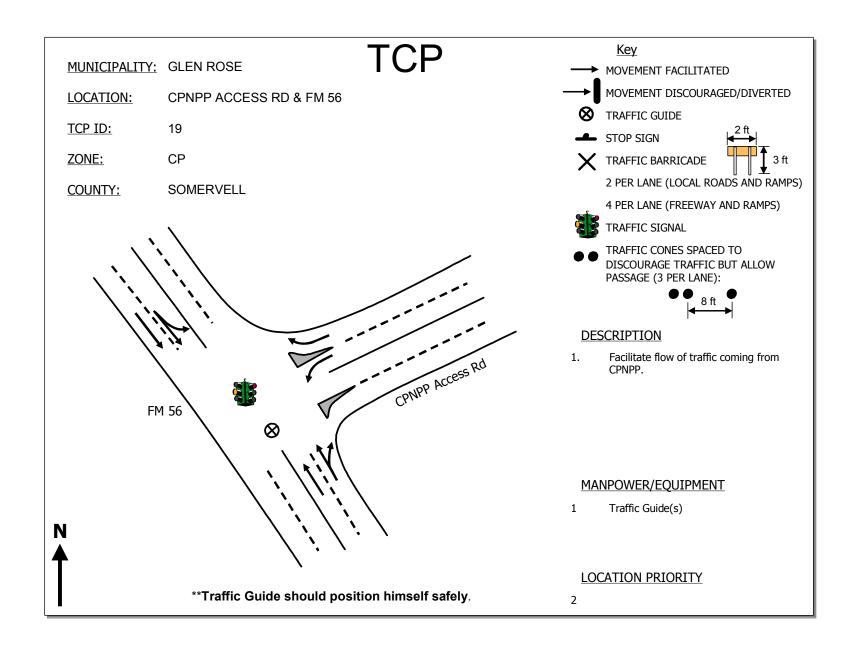


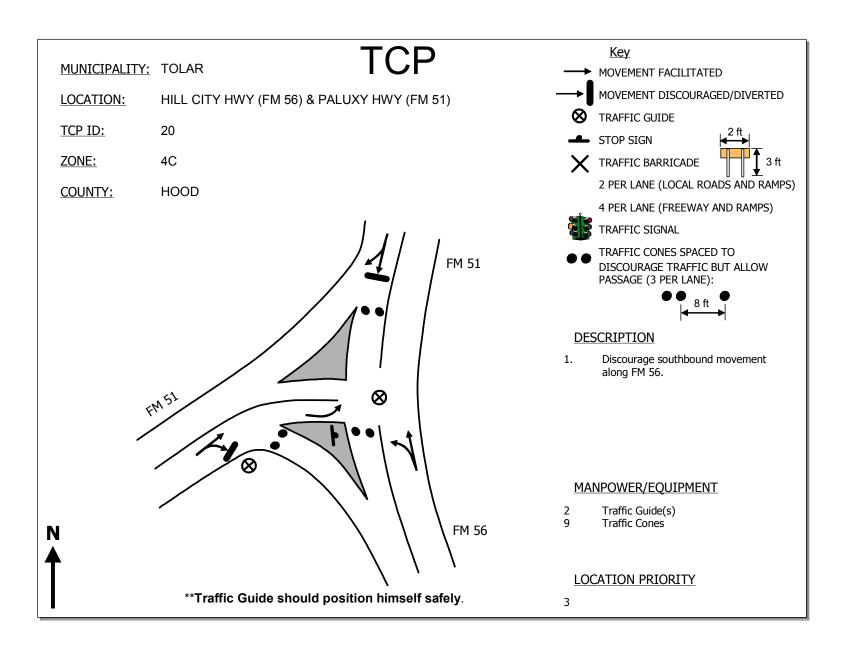


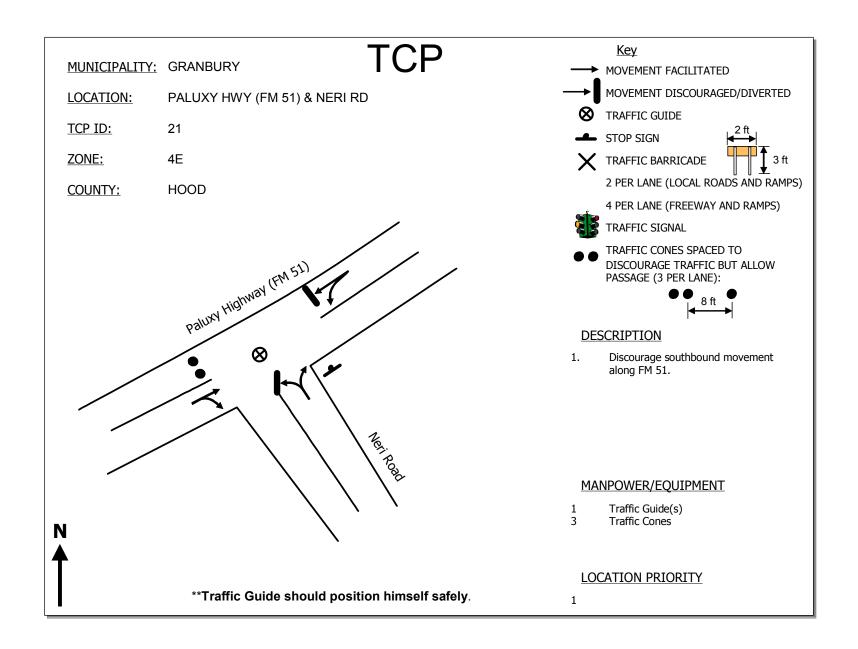


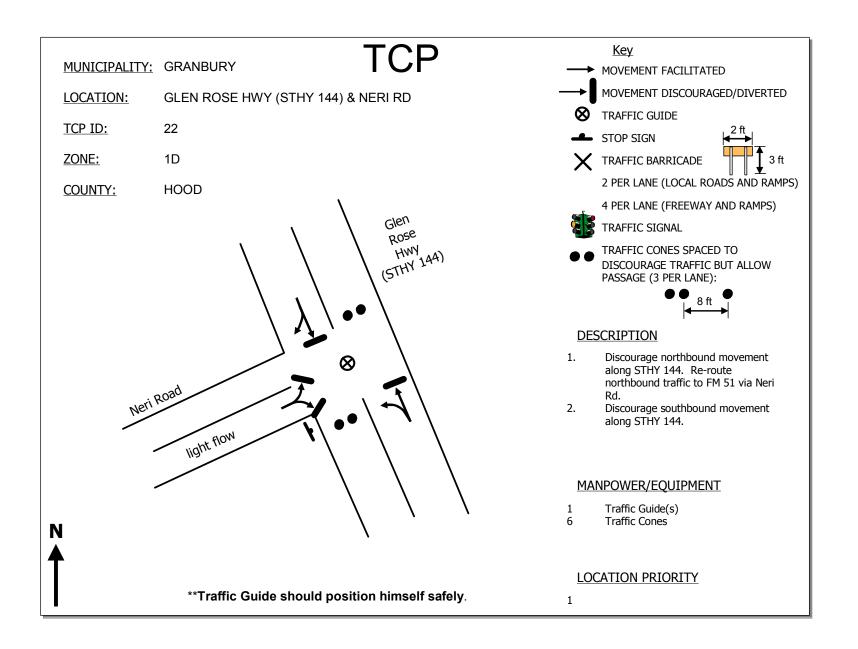


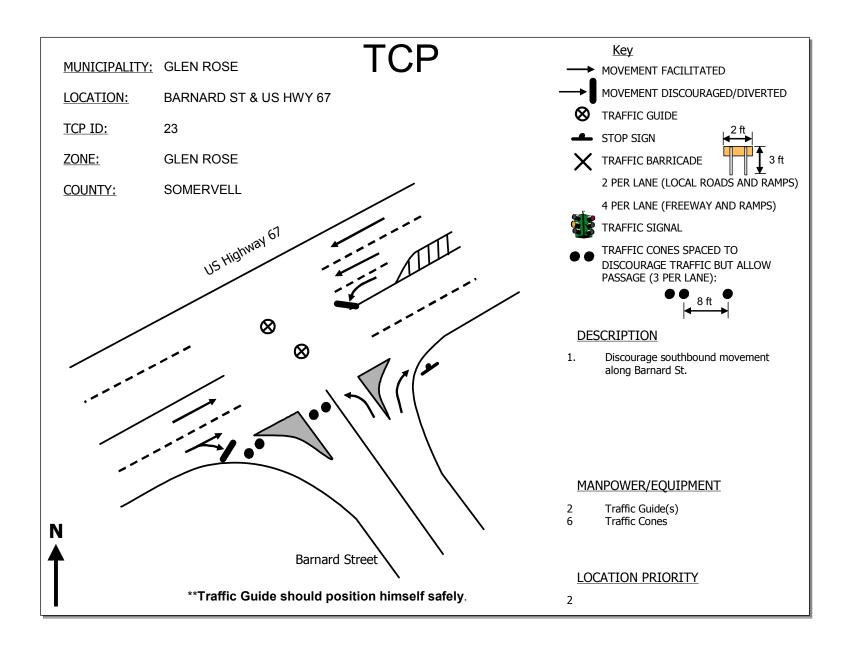


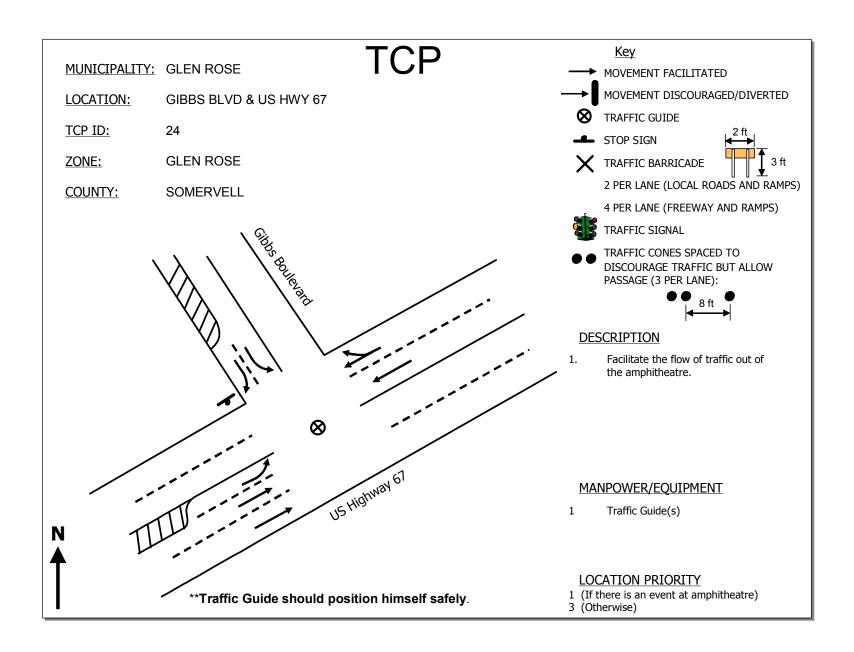


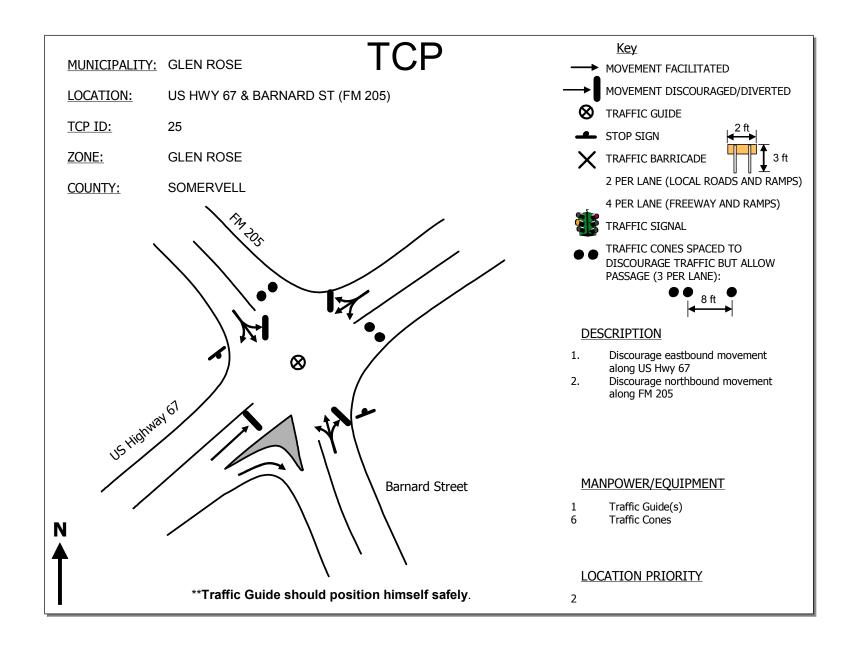


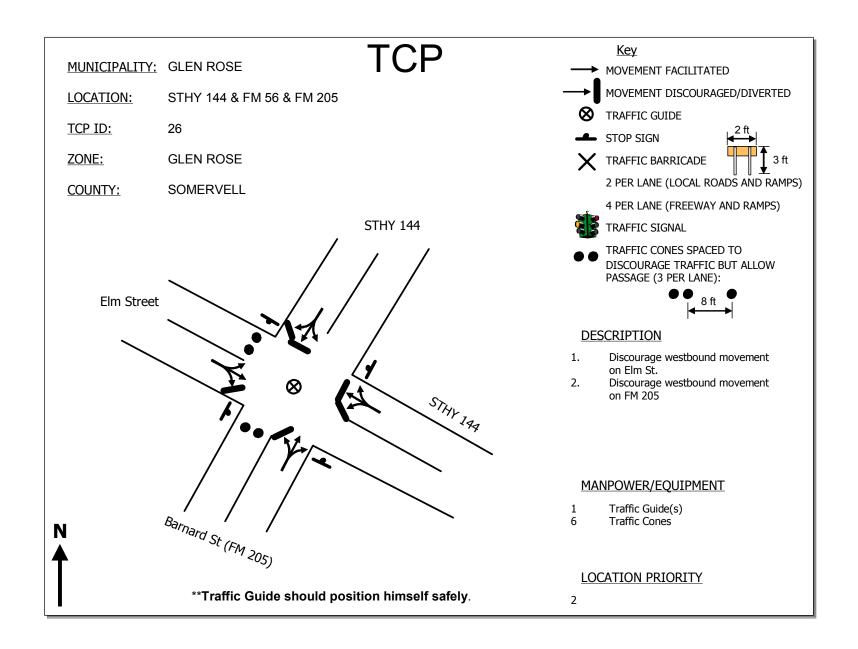


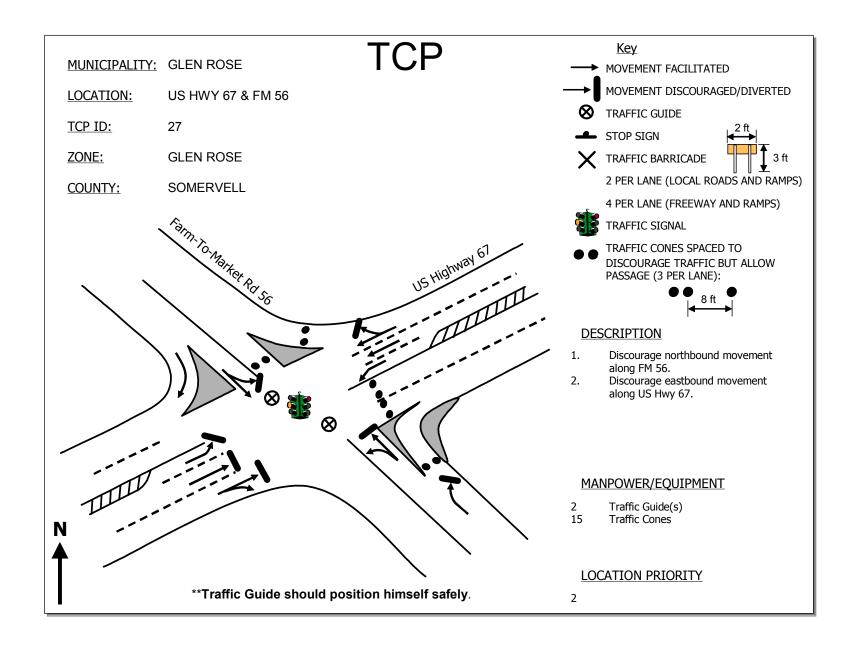


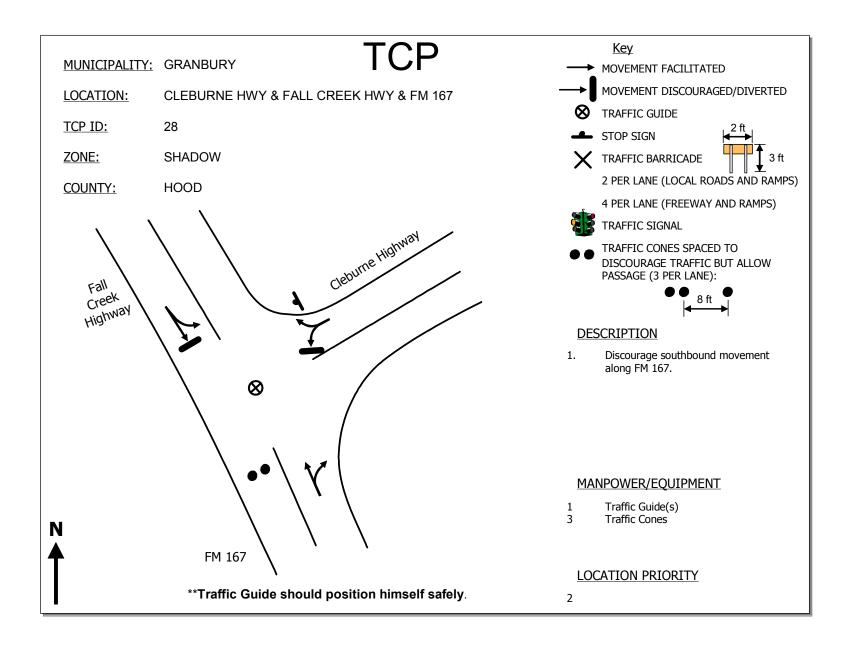


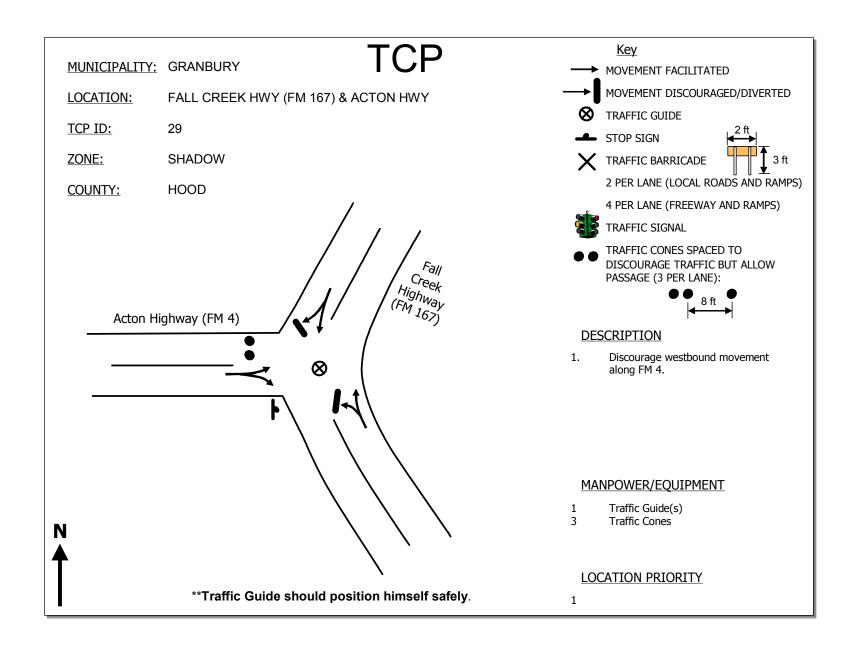


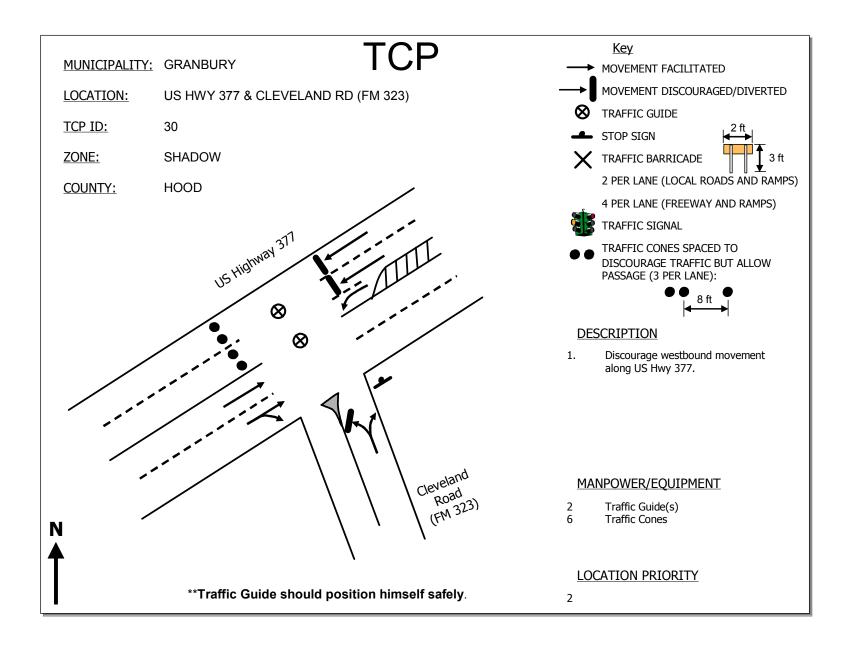


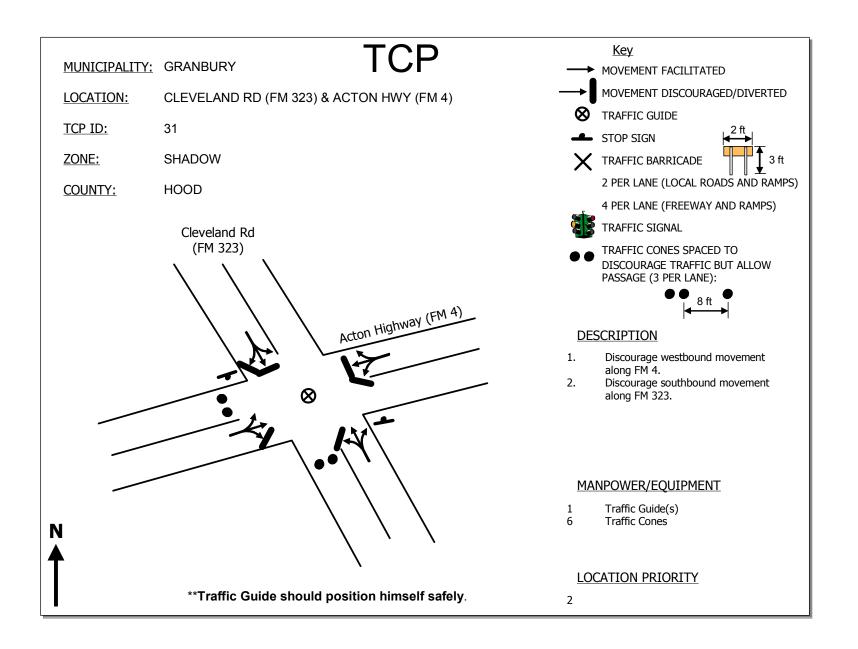


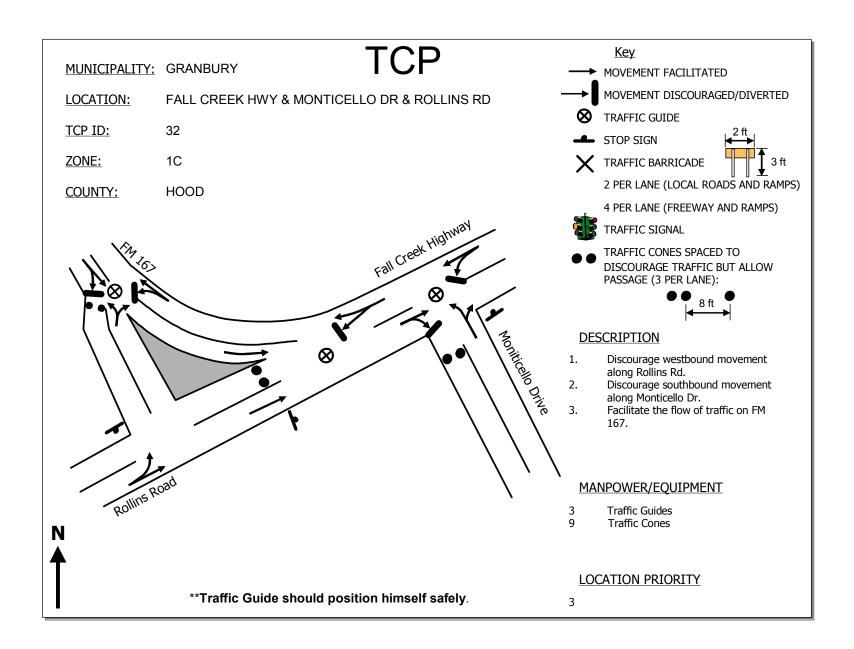


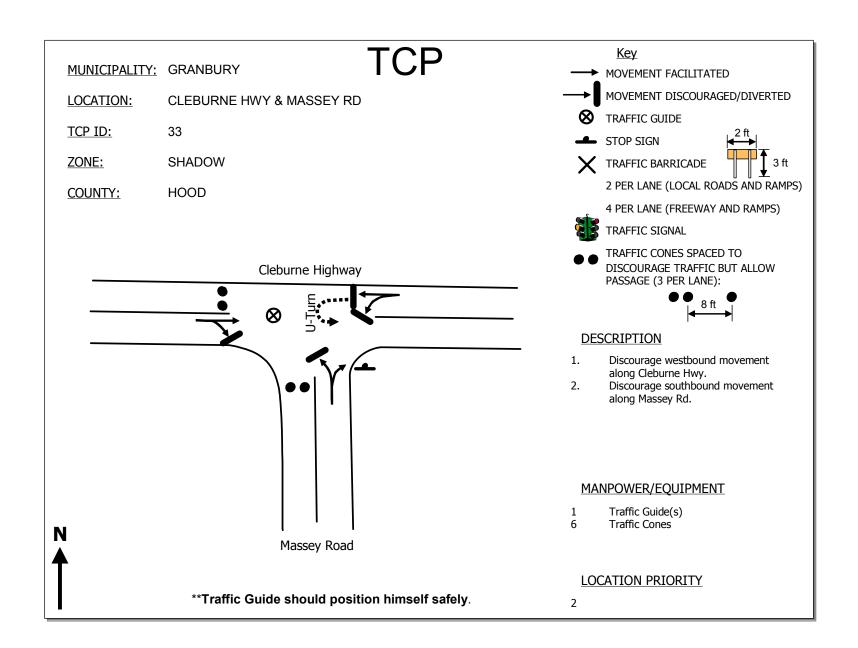


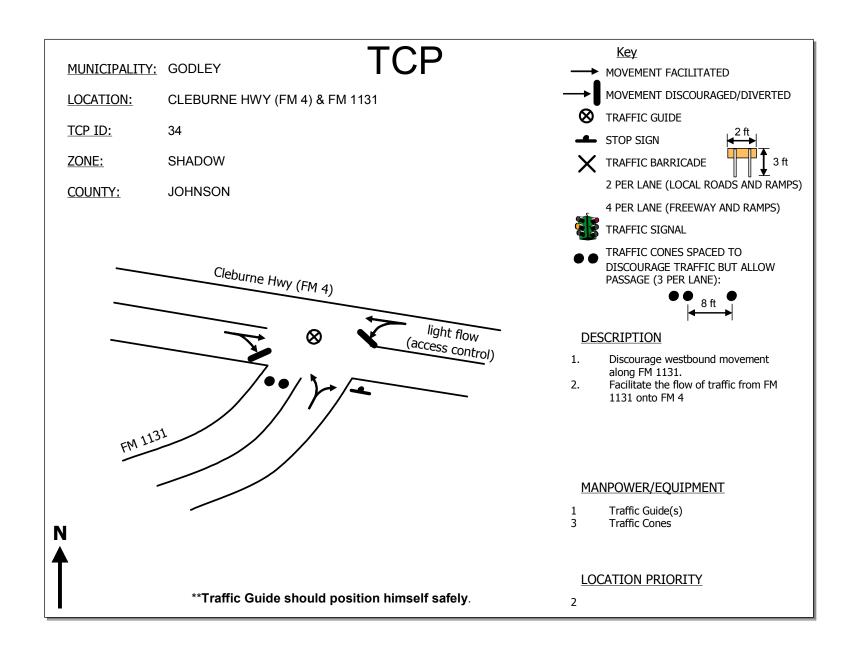


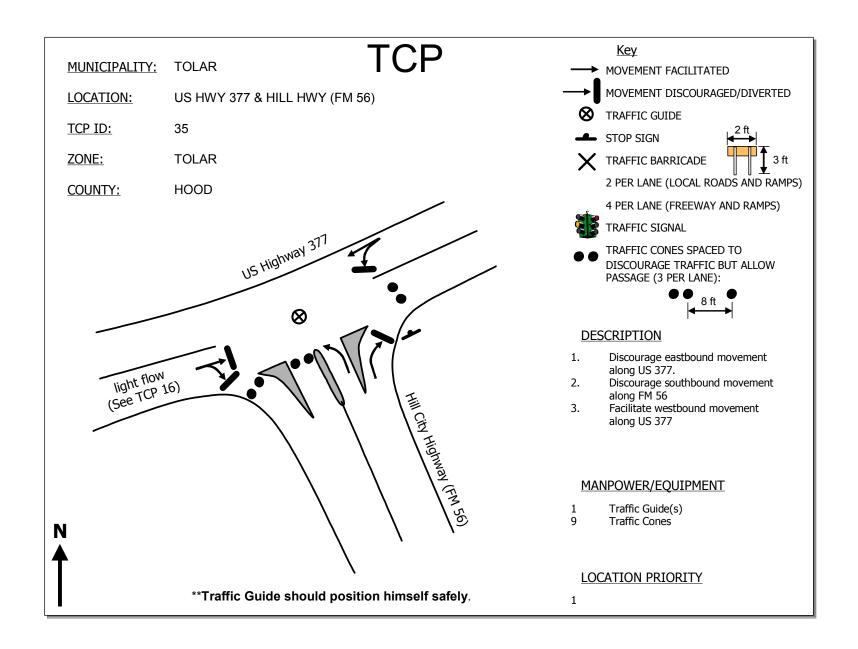


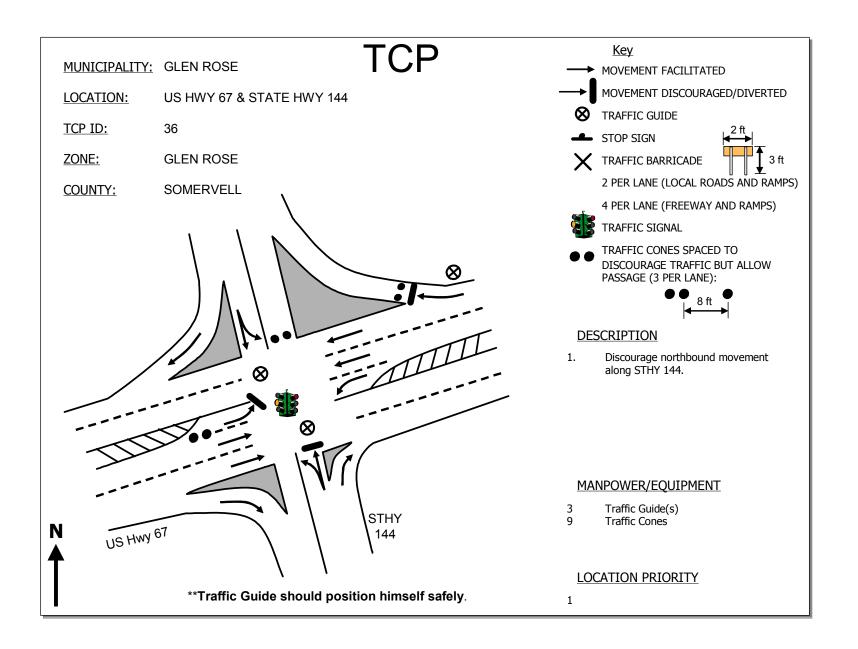


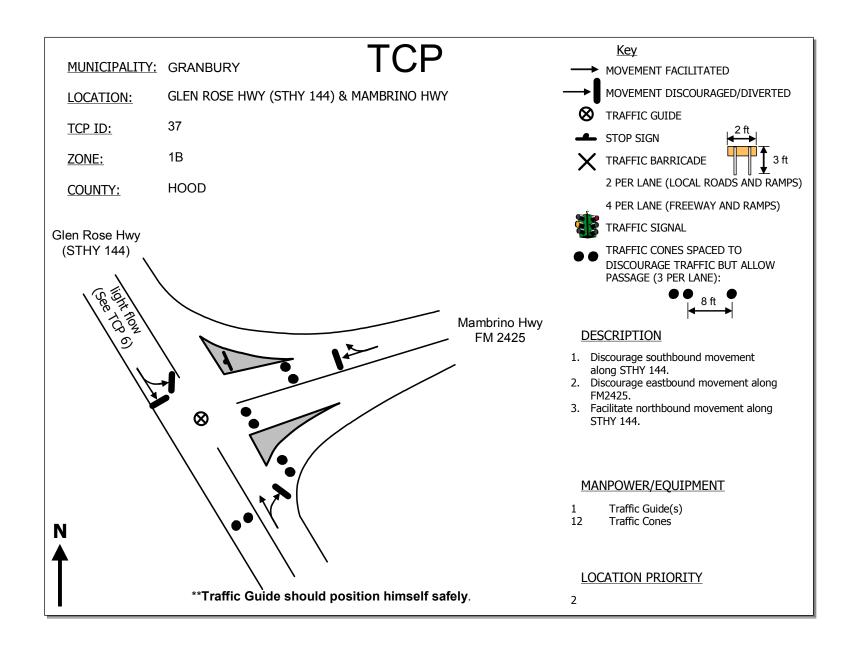


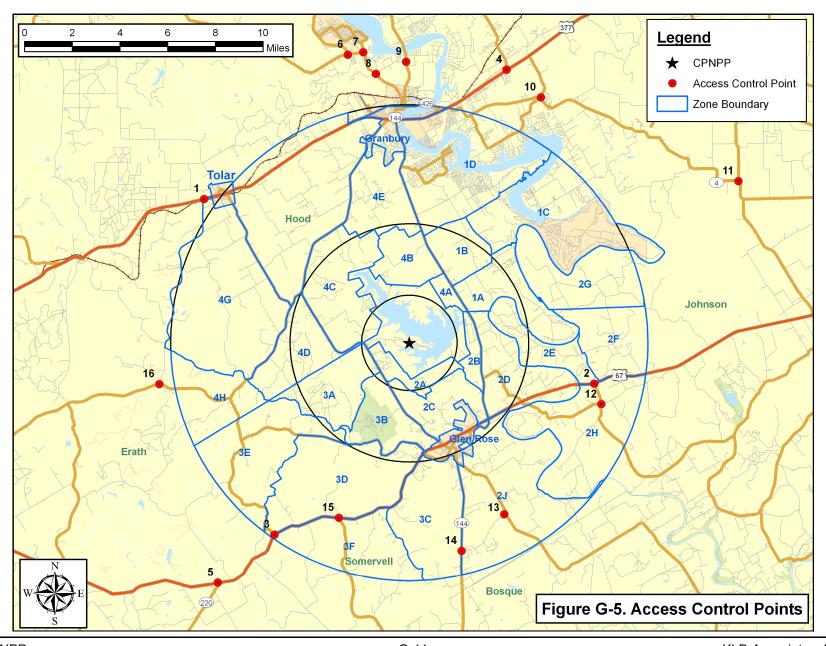












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| Table G-2. Comanche Peak Access Control Point Summary | | | | | | |
|---|--------|--|----------------|----------|------------------|----------------------|
| Hood County Traffic Control Points | | | | | | |
| ZONE | ACP ID | Location | Municipality | Priority | No. of Guides | No. of Barricades |
| 4G | 1 | US Hwy 377 & Rock Church Hwy (FM 2870) | Tolar | 1 | 1 | 2 |
| Shadow | 4 | US Hwy 377 & Temple Hall Hwy (FM 167) | Granbury | 1 | 2 | 8 |
| Shadow | 6 | Lipan Hwy (FM 4) & Tin Top Hwy (FM 2580) | Thorp Spring | 1 | 1 | 2 |
| Shadow | 8 | Lipan Hwy (FM 4) & Avery Rd | Granbury | 1 | 2 | 4 |
| Shadow | 9 | Weatherford Hwy (FM 51) & Avery Rd | Granbury | 1 | 2 | 2 |
| Shadow | 10 | Acton Hwy (FM 4) & Fall Creek Hwy (FM 167) | Acton | 1 | 1 | 2 |
| Shadow | 7 | Lipan Hwy (FM 4) & Oak Trail Dr | Thorp Spring | 2 | 1 | 2 |
| Hood County Total Manpower/Equipment Needed: | | | | | 10 | 22 |
| Somervell County Traffic Control Points | | | | | | |
| 2H | 2 | US Hwy 67 & FM 199 | Nemo | 2 | 1 | 2 |
| 3D | 3 | US Hwy 67 & FM 51 | Chalk Mountain | 2 | 1 | 4 |
| 2J | 14 | State Hwy 144 & FM 202 | Glen Rose | 2 | 1 | 2 |
| 3F | 15 | US Hwy 67 & FM 203 | Glass | 2 | 1 | 2 |
| 2H | 12 | FM 199 & FM 200 | Nemo | 3 | 1 | 2 |
| 2J | 13 | FM 202 & FM 56 | Glen Rose | 3 | 1 | 2 |
| Somervell County Total Manpower/Equipment Needed: | | | | | 6 | 14 |
| Erath County Traffic Control Points | | | | | | |
| Shadow | 5 | US Hwy 67 & State Hwy 220 | Chalk Mountain | 2 | 2 | 4 |
| Shadow | 16 | FM 205 & FM 2870 | Stephenville | 3 | 1 | 2 |
| Erath County Total Manpower/Equipment Needed: | | | | | 3 | 6 |
| Johnson County Traffic Control Points | | | | | | |
| Shadow | 11 | FM 4 & FM 2331 | Godley | 2 | 1 | 4 |
| Johnson County Total Manpower/Equipment Needed: | | | | | 1 | 4 |
| EPZ Total Manpower/Equipment Needed: | | | | | 20 | 46 |

