

APPENDIX A – STAKEHOLDER INTERVIEWS

Capital Area Metropolitan Planning Organization
Interview Date: 03-17-06

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| <p>Michelle Meaux Senior Planner</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ The Capital Area Metropolitan Planning Organization (CAMPO) serves as the metropolitan planning organization for the Austin Region. ▪ Agencies requesting federal transportation funding through CAMPO for ITS projects must certify that their projects conform to the Regional ITS Architecture. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ CAMPO does not currently have any ITS plans but is responsible for providing the federal transportation funding to other agencies that are implementing ITS. |
| ITS Needs | <ul style="list-style-type: none"> ▪ CAMPO would like to be able to archive all of the data collected through ITS implementation and make that available to agencies throughout the Austin Region. ▪ CAMPO will need to continue to review ITS requests for federal transportation funding to determine if projects conform to the Regional ITS Architecture. |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ AD2–ITS Data Warehouse was discussed as a market package for CAMPO to archive data from multiple agencies. ▪ AD3–ITS Virtual Data Warehouse was also discussed as another way for CAMPO to archive data from multiple agencies. |

Village of Bee Cave
Interview Date: 04-06-06

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| <p>Travis Askey Assistant Village Administrator</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ Municipal government for the Village of Bee Cave. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ No existing or planned ITS. |
| ITS Needs | <ul style="list-style-type: none"> ▪ Speed detection at the village entrance to draw attention to lowered speed limit as you enter the village limits. ▪ DMS on Hwy 71 prior to Bee Caves Road both eastbound and westbound for traveler information for conditions on Loop 360. |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ No specific market packages were discussed for the Village of Bee Cave. The ITS needs of the village are addressed in market packages for TxDOT. |

Central Texas Regional Mobility Authority (CTRMA)
Interview Date: 04/12/06

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| <p>Ron Fagan Director of Operations</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ Central Texas Regional Mobility Authority. ▪ Responsible for construction, operations, and maintenance of toll roads in the Central Texas area, currently 183A is the only CTRMA facility. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ 183A is currently under construction. ▪ Electronic toll collection is the only ITS technology planned for the facility. |
| ITS Needs | <ul style="list-style-type: none"> ▪ Potential future need for using vehicle toll tags as probes for speed detection. ▪ Potential future need for DMS southbound to display travel times to US 183 and I-35. |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ ATMS01 – Network Surveillance - this market package will not be customized for CTRMA as there are no network surveillance needs anticipated at this time. ▪ ATMS02 – Probe Surveillance – customized for future needs. ▪ ATMS06 – Traffic Information Dissemination – customized to include connections to the media and DMS in the future as well as connections to emergency management and transit management agencies similar to those included for the TxDOT Austin District. ▪ ATMS07 – Regional Traffic Control – customized to indicate that CTRMA will coordinate with the City of Austin, City of Cedar Park, City of Leander and Williamson County. ▪ ATMS10 – Electronic Toll Collection – customized to reflect the electronic toll collection system. ▪ EM01 –Emergency Call Taking and Dispatch – CTRMA will be included for incident response coordination. ▪ EM07 – Early Warning System – CTRMA will be included as a recipient of flood monitoring data from USGS and/or LCRA. We need to determine which agency or agencies have jurisdictional boundaries in the areas where CTRMA facilities will be located. ▪ EM08 – Disaster Response and Recovery – CTRMA will be included on the customized market packages for the Williamson County EOC, the Austin/Travis County EOC, and the generic County EOC which covers additional counties in the Region. ▪ EM09 – Evacuation and Reentry Management - CTRMA will be included on the customized market packages for the Williamson County EOC, the Austin/Travis County EOC, and the generic County EOC which covers additional counties in the Region. |

Travis County Transportation and Natural Resources Department
Interview Date: 04-18-06

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| <p>David Greear Traffic Manager</p> | |
| <p>Department Overview</p> | <ul style="list-style-type: none"> ▪ Travis County Transportation and Natural Resources provides a variety of services, including engineering, design, construction, and maintenance of Travis County roads, drainage and bridges. |
| <p>Existing ITS Uses and Plans</p> | <ul style="list-style-type: none"> ▪ No existing or planned ITS. |
| <p>ITS Needs</p> | <ul style="list-style-type: none"> ▪ Flood detection is currently in place at the start of Spicewood Springs Road off of Loop 360 and is operated and maintained by the City of Austin. Travis County would like additional flood detection at other low water crossings on Spicewood Springs Road. ▪ Travis County would like to be able to notify residents of travel times and delays on Brodie Lane, Anderson Mill Road, and Southwest Parkway and be able to suggest alternate routes. ▪ Travis County residents have a need for real-time information on State routes through the County. |
| <p>Market Package Discussions</p> | <ul style="list-style-type: none"> ▪ No specific market packages were discussed for the Travis County Transportation and Natural Resources Department. |

City of Georgetown
Interview Date: 04-18-06

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| <p>Paul Bradenburg City Manager</p> <p>Mark Miller Transportation Manager</p> <p>David Morgan Chief of Police</p> <p>Dennis Schoenborn Director of Information Technology</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ Municipal government for the City of Georgetown. ▪ The City currently only has one signal; two additional signals are coming soon. ▪ Citywide dispatch for police, fire, utilities and signals. ▪ The City fiber network is being designed and constructed to handle large amounts of data. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ Will take signals within the City from TxDOT when maintenance funding issues are worked out or the city population reaches 50,000 (anticipated by 2010), whichever comes first. ▪ Flood detection on a low bridge with flashers at either end of the bridge. ▪ Mobile data terminals in emergency vehicles. |
| ITS Needs | <ul style="list-style-type: none"> ▪ Travel time information (time to Austin). ▪ Integrate CAD dispatch with TxDOT ATMS. ▪ Traveler information on I-35. ▪ Traveler information concerning SH 130 (DMS southbound north of Georgetown so SH 130 can be an alternate route). ▪ DMS, CCTV and vehicle detection (volume and speed) on Southwest Bypass (roadway under construction). ▪ CCTV on inner loop. ▪ Improved signal coordination. ▪ Additional flood detection (Oak Tree Drive at Bear Creek, College Street in San Gabriel Park, etc.), also consider automated closure system. ▪ Emergency vehicle signal preemption. ▪ Portable DMS. |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ No specific market packages were discussed with the City of Georgetown at the meeting. ▪ Based on future plans and needs, the following market packages will be added for the City of Georgetown: ATMS01, ATMS03, ATMS06, ATMS07, ATMS08, ATMS13, EM07, and EM10. Public safety departments are included as part of the municipal market package instance for EM01 and EM02. |

City of Cedar Park
Interview Date: 04-19-06

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| <p>Duane Smith Director of Planning</p> <p>Eric Rauschuber, P.E. Field Operations Director</p> <p>Alan Green Public Works Engineering Technician</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ Municipal government for the City of Cedar Park. ▪ Field Operations Department is responsible for traffic signal maintenance in the City of Cedar Park. ▪ Public Works Department is responsible for roadway management and traffic signal design. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ 13 existing traffic signals. ▪ Will take control of TxDOT signals within the City when the population reaches 50,000 (anticipated by 2010). |
| ITS Needs | <ul style="list-style-type: none"> ▪ Cedar Park Traffic Operations Center to control signal system and other future ITS devices. ▪ CCTV for incident detection. ▪ DMS on 1431 near US 183 and on 183 southbound north of New Hope so that vehicles can be detoured to 183A if there is an incident on 183. ▪ Emergency vehicle signal preemption (Cedar Park FD, Williamson County EMS and Travis County EMS). |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ No specific market packages were discussed with the City of Cedar Park at the meeting. ▪ Based on future plans and needs, the following market packages will be added for the City of Cedar Park: ATMS01, ATMS03, ATMS06, ATMS07, ATMS08, ATMS13, ATMS 15, and EM10. Public safety departments are included as part of the municipal market package instance for EM01 and EM02. |

City of Round Rock
Interview Date: 04-27-06

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| <p>Thomas Martin, P.E. Director of Transportation Services</p> <p>David Bartels Transportation Project Manager</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ Municipal government for the City of Round Rock. ▪ Transportation Services Department controls all signals within the City of Round Rock. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ Traffic operations center with communication to closed loop signal systems. ▪ CCTV of major arterial intersections with pan-tilt-zoom. ▪ Plan to share video feed with police department (no control). ▪ Portable DMS. ▪ Fire and EMS traffic signal preemption. ▪ Fire and Police MDTs, Traffic will have MDTs within a year. |
| ITS Needs | <ul style="list-style-type: none"> ▪ Share CCTV video with TxDOT. ▪ Should consider permanent DMS at key locations (i.e. Dell Diamond). ▪ CCTV and detector data from TxDOT as they deploy farther north on I-35. ▪ Would like to include real time traffic/incident information on the City website. ▪ Railroad crossing advance notification of blockages. ▪ Coordination with adjacent jurisdictions (TxDOT, Williamson County, Travis County, City of Austin, City of Cedar Park, City of Georgetown). |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ No specific market packages were discussed with the City of Round Rock at the meeting. ▪ Based on future plans and needs, several market packages will be modified or added for the City of Round Rock. |

Texas State University
Interview Date: 05-03-06

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| <p>Paul Hamilton Auxiliary Services</p> | |
| <p>Department Overview</p> | <ul style="list-style-type: none"> ▪ Texas State University (TSU) operates bus and shuttle service for the university. Shuttle services are provided to campus parking lots, bus service is provided for students in the San Marcos area, and an express bus service is operated from south Austin to TSU for students living in the Austin area. The express bus service from Austin is also available to the general public for a fee. ▪ TSU does operate bus service during some special events, such as TSU football games, but ridership has not been very high. ▪ TSU provides assistance during evacuations. Flooding is a large issue in San Marcos and is the most common reason for using buses for evacuation. ▪ TSU works with CARTS to meet the needs of students living off campus. Although service is not currently provided by TSU during times when school is not in session, they are considering offering some type of year round service. |
| <p>Existing ITS Uses and Plans</p> | <ul style="list-style-type: none"> ▪ Plan to add wireless internet hubs on all buses that provide service to Austin. |
| <p>ITS Needs</p> | <ul style="list-style-type: none"> ▪ Advanced notification that railroad crossings are blocked. Currently all but two TSU routes cross railroad tracks as part of their route. ▪ Next bus real-time arrival information to post on the internet or at transit stations and stops. ▪ Passenger counting software and hardware to detect boarding and alighting. ▪ Improved coordination with CARTS and Capital Metro. ▪ Other Considerations - TxDOT would like to consider using the intercity TSU buses that provide service to Austin as probes to track travel times on I-35 between Austin and San Marcos. ▪ Other Considerations – TSU will consider adding electronic fare card collection if they can be compatible with CARTS and Capital Metro. ▪ Other Considerations – The City of San Marcos traffic signals are in the process of being upgraded. Once the upgrade is complete transit signal priority would be possible. At the current time delays at railroads have a much greater impact than delays at signals, but in the future TSU may consider transit signal priority. |
| <p>Market Package Discussions</p> | <ul style="list-style-type: none"> ▪ No specific market packages were discussed with TSU. ▪ In light of the current status of TSU serving primarily students and not receiving federal transit funding, TSU bus service is included in the Austin Regional ITS Architecture as Other Transportation Providers. |

City of San Marcos
Interview Date: 05-09-06

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| <p>Sabas Avila, P.E. Assistant Director Department of Environment and Engineering</p> <p>Johnny James Assistant Police Chief</p> <p>Mike Baker Fire Chief</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ Municipal government for the City of San Marcos. ▪ City is in the process of taking control and maintenance of the traffic signals within the City limits from TxDOT. ▪ EMS serves all of Hays County but is dispatched by City of San Marcos PSAP. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ Traffic operations center with spread spectrum communication to closed loop signal systems. ▪ Police MDTs. |
| ITS Needs | <ul style="list-style-type: none"> ▪ Improved signal coordination. ▪ Flood detection along the Blanco River. ▪ CCTV surveillance at low water crossings prone to flooding. ▪ Railroad advance notification system. ▪ DMS on I-35 approaching the outlet malls at Exit 200. ▪ Coordinate with TxDOT Austin and TxDOT San Antonio for traveler information. ▪ Integrate CAD with TxDOT ATMS. ▪ MDTs for Fire and EMS vehicles. |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ No specific market packages were discussed with the City of San Marcos. ▪ Based on future plans and needs, several market packages will be modified or added for the City of San Marcos. |

Burnet County
Interview Date: 05-17-06

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| <p align="center">George Russell Marble Falls City Manager</p> <p align="center">Judy Miller Marble Falls Assistant City Manager</p> <p align="center">Tim Dolan Marble Falls Development Services Director</p> <p align="center">Perry Malkemus Marble Falls Director of Public Works</p> <p align="center">Mark Whitacre Marble Falls Chief of Police</p> <p align="center">Donna Klaeger Burnet County Treasurer Burnet County Judge Elect</p> | | <p align="center">Ronny Hibler Burnet County Commissioner</p> <p align="center">James Oakley Burnet County Commissioner</p> <p align="center">Joe Dockery Burnet County Commissioner</p> <p align="center">Jane Marie Hurst</p> <p align="center">Howard Lyons TxDOT Area Engineer</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ City of Marble Falls - Municipal government for the City of Marble Falls. ▪ Marble Falls 911 Dispatch provides emergency call taking and dispatch services for the City of Marble Falls Police and Fire Departments. ▪ Burnet County 911 Dispatch provides emergency call taking and dispatch services for the City of Burnet Police and Fire Departments, County Sheriff, and rural fire departments. ▪ Burnet County - County government for Burnet County. ▪ TxDOT Burnet Area Office – oversees maintenance and construction activities in the Burnet County area. | | |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ No existing or planned ITS. | | |
| ITS Needs | <ul style="list-style-type: none"> ▪ Improved signal coordination on US 281 and FM 1431. ▪ Flood detection and automated closure gates or warning flashers for low water crossings on state and county roads. ▪ Need advance notification of flooding to facilitate detours. ▪ Need dynamic message signs when heading out of Marble Falls and Burnet to provide traveler information about incidents on the stretch of roadway connecting the two cities. ▪ Need to tie Burnet County 911 CAD system into CTECC for coordination. ▪ Need emergency vehicle signal preemption. | | |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ No specific market packages were discussed for Burnet County. The ITS needs of the county are addressed in market packages for County elements. ▪ County elements represent those services provided in counties in the Austin District except for Travis and Williamson Counties. | | |

Williamson County Emergency Management
Interview Date: 05-30-06

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| <p>Thomas Bradford Williamson County EMS Captain</p> <p>Jeffery Hayes Williamson County EMS Director of Operations Williamson County Assistant Emergency Management Coordinator</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ Williamson County EMS provides emergency medical transportation for all of Williamson County. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ Opticom emergency vehicle traffic signal preemption on some ambulances to preempt signals in the City of Round Rock. |
| ITS Needs | <ul style="list-style-type: none"> ▪ Address interoperability with TxDOT system at CTECC during CAD update so that CTECC can share video and other information. ▪ Would like to incorporate construction closure information into the CAD system ▪ Need CCTV cameras on I-35, SH 45, SH 79, SH 130, US 183, RR 620, and US 183A. ▪ Need to work on an agreement to get preemption rights for City of Austin traffic signals for emergency vehicle preemption. ▪ Need flood detection and automated closure gates on SH 29 east of I-35, SH 95 north of Taylor and FM 2243. ▪ Need notification of railroad crossing blockages so that emergency vehicles can be routed around the crossings. |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ No specific market packages were discussed at this meeting; however, Williamson County emergency management is included in the architecture as part of Williamson County Public Safety Dispatch. |

Hays County
Interview Date: 06-08-06

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| <p>Richard Salmon Grants Administrator</p> <p>Jeff Turner Emergency Management Coordinator</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ Hays County Emergency Management is responsible for planning and coordinating the County's response to emergencies. The primary emergency response concern in Hays County is flooding. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ Hays County has received a \$600,000 grant from FEMA to assist in the deployment of flood detection monitors throughout the County. The grant will be available in \$200,000 increments per year. Hays County has identified a total of 182 low water crossings for monitors. The low water crossing sites will also include flashing warning lights that are activated when water is on the roadway and 40 sites will also include CCTV cameras. CCTV cameras may be implemented at additional sites if enough funding is available. |
| ITS Needs | <ul style="list-style-type: none"> ▪ Flood detection and warning is the primary need in Hays County. ▪ Traveler information around the I-35 outlet mall. Traffic will back up onto I-35 at the exits to the outlet mall. This used to happen during peak shopping periods but is now becoming a regular occurrence during most weekends. ▪ Traveler information on I-35 is also important to provide advanced notice of closures between Austin and San Antonio. ▪ Cameras for detection of incidents and flooding on I-35 are needed. Camera images should be sent to the Hays County EOC. ▪ Traveler information on RR12 between San Marcos and Wimberley is needed. During Wimberley Days traffic will back up on RR12 due to the large number of travelers and on-going construction on RR12. ▪ Better systems for providing traveler information during hurricane evacuations from the Gulf Coast. ▪ Real-time information on traffic conditions that can be sent directly to the Hays County CAD system for sheriff, fire, and EMS. ▪ Emergency management signal preemption transmitters are needed on emergency vehicles that may respond to incidents in urban areas outside of the County such as Austin. ▪ 26 trains per day travel through the San Marcos area parallel to I-35. Kyle and Buda Fire Departments are sometimes caught by the trains. Ways to better coordinate trains and emergency management are needed. |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ MC03–Road Weather Data Collection and MC04–Weather Information Processing and Distribution were discussed due to the current FEMA grant to deploy flood detection in Hays County. |

National Weather Service
Interview Date: 10-12-06

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| <p>Joe Arellano, Jr. Meteorologist in Charge</p> <p>Larry Eblen Warning Coordination Meteorologist</p> <p>Jon Zeitler Science and Operations Officer</p> | |
| Department Overview | <ul style="list-style-type: none"> ▪ The National Weather Service provides weather forecasting and warning information. The New Braunfels office forecasts for Central Texas including the Austin and San Antonio areas. |
| Existing ITS Uses and Plans | <ul style="list-style-type: none"> ▪ The National Weather Service currently tracks weather conditions and flooding throughout the Austin and San Antonio areas. Warnings are updated every minute, alerts are updated every 5 minutes, and forecasts are updated every 6 hours. |
| ITS Needs | <ul style="list-style-type: none"> ▪ Need to increase the number of detection sites for flood and rainfall throughout the New Braunfels Region. Any available information related to weather conditions is useful to the National Weather Service. Their system currently posts all of their available information on the National Weather Service website and is available to download to any interested agency. |
| Market Package Discussions | <ul style="list-style-type: none"> ▪ No specific market packages were discussed with the National Weather Service. The ITS needs of the National Weather Service are primarily covered in MC04 – Weather Information Processing and Distribution. |