



Upon selection of ITS projects, and before funding agreements with TxDOT are developed, a Statement of National/Regional Architecture Consistency must be developed and reviewed by TxDOT and NCTCOG.

The statement should describe how your project is consistent with the architecture and standards described in the North Central Texas Regional ITS Architecture as well as the Dallas Area-Wide Intelligent Transportation System Plan or the Fort Worth Regional Intelligent Transportation System Plan.

Please complete the following form in its entirety to document your project's consistency with the NCTCOG Regional ITS Architecture.

Your Name: NCTCOG (Sample Draft)	Your Agency: The City
Your phone #: 817-123-4567	Your e-mail: Email
Your ITS Project Name: Project is to design,install and develop timing plans for 2 new traffic	
Project TIP Code: TIP 12345	Project CSJ Code: 0001-123-4567

What is the Current Project Status:

- In Planning
- In Design
- In Development or Procurement
- Deployed

Project Description



1. STAKEHOLDERS

Review the NCTCOG ITS Architecture and project documents and identify the stakeholders participating in this project.

- a. Who is the lead stakeholder for this project?

The City

- b. Are there other project stakeholders? If so, please list them:

TxDOT Dallas and NTTA

- c. Briefly list all steps / phases of the projects and indicate the stakeholder roles in each:

The Signal Project will consist of the following Phases:
Phase 1: Design and specification of traffic signals on Main St.
Phase 2: Review and Approval of the Project Design and Specification
Phase 3: Bidding of Project and selection of Installer
Phase 4: Installation of Signals and testing of signals
Phase 5: Timing Signals on Main St. and surrounding routes



2. SYSTEM ELEMENTS

Review the North Central Texas Regional ITS Architecture and project documents to identify the ITS elements to be used in this project.

- a. List the types of ITS equipment developed or purchased for this project.

All equipment will be off the shelf, traffic poles and arms, traffic controllers, cabinets, video imaging vehicle detection system, camera assemblies and optic-om detection system for emergency vehicles and related cables and materials.
The Operation system will be compatible with the city's traffic management system.

- b. List the types of existing ITS equipment that will interface and exchange data with new equipment in this project:

None



c. Briefly describe the functions this project will perform:

The system will consist of standard traffic lights, signal controllers, video imaging and detection equipment installed on engineered poles and mast arms at the specified intersections. An emergency vehicle detection system will also be installed on the same poles, mast arms and signal control cabinets.

d. Briefly describe how any existing equipment duplicates or complements the functionality of equipment that will be developed or purchased for this project:

None



3. SYSTEM DESIGN

Describe your agency's commitment to consider all applicable subsystems and information flows from the regional architecture in the project development process.

- a. Attach documentation of all information flows for this project to this Statement when submitting, or provide a web address or addresses below where they can be viewed:

See web address below to reference the service package for this project (EM02):
<http://www.iteris.com/itsarch/html/mp/mpem02.htm>

- b. If there are information flows listed for your project in the North Central Texas Regional ITS Architecture that you do not plan to use, please explain why:

The City currently does not have the ability to change or update traffic signals for any remote locations. The City does plan on a TMC for a new development along SH111 that will have the ability to handle most of our traffic signals. This TMC will be staffed as needed.

- c. Briefly describe the procurement options that are being considered for your project:

This Project will follow the City procurement procedures and policies.



4. ADDITIONAL INFORMATION FLOWS

Your responses in this section should address how your project addresses potential future information flows and ensures future interoperability of the project's equipment and other ITS in the region.

- a. List other information flows from the North Central Texas Regional ITS Architecture that are directly or indirectly relevant to the project.

None

- b. Briefly describe how your project has considered and planned for the flows you just listed.

The City currently does not have the ability to change or update traffic signals for any remote locations. The City does plan on a TMC for a new development along SH111 that will have the ability to handle most of our traffic signals. This TMC will be staffed as needed.



5. INTERAGENCY AGREEMENTS

Your responses in this section should express your agency's commitment to developing operating agreements between the stakeholders to ensure the successful ongoing operation and usage of the project.

- a. List the stakeholders that will participate in the operation phase of this project:

Only the City will be involved in the continued operations of these project.

- b. Will there be operating agreements among these stakeholders?

Yes

No

- c. If you answered "No" to the previous question, please explain why there will not be operating agreements.

Only the City will be involved in the operations of this traffic signals.



6. EXPANDED INFORMATION SHARING

Your responses in this section should provide assurance that future expansion and information sharing opportunities are kept open through the project development process.

- a. Identify information sharing opportunities you expect to be available from this project in the future:

The City plans to exchange information with the transit agencies, the cities and other agencies in future projects.
The regional standard to exchange information is through the Center-To-Center (C2C) communication software.

- b. Briefly describe how you will accommodate future information sharing opportunities into this project:

With the Opticom Systems being installed, emergency vehicle preemption systems will be included. The cameras will be the Encore 4 camera system with Image detection only. No transmission to City Offices will occur at this time.



7. STANDARDS

Your responses in this section should provide assurance that the project will use the appropriate standards and protocols for information exchange.

- a. List the standards identified in the Regional ITS Architecture being used in this project:

The City Engineering Standards, Procurement and Bidding Policies, and the North Central Texas Council of Governments Standards Specifications for Public Works Construction.

- b. Will you incorporate the standards listed above into the project design and procurement documents?

- Yes, all of them.**
 Some of them. No,
 none of them.

- c. If you answered the previous question “some” or “none,” list the standards for this project that will not be incorporated into the design and procurement documents, and briefly explain why each is not being used:

N/A



8. PERFORMANCE MEASUREMENT

In this section you should provide assurance that your project has clearly defined performance measures and a plan for evaluating project progress and success. Please note that NCTCOG would like to receive your performance reports. Please include NCTCOG in their distribution.

- a. Attach the Performance Reporting Plan for this project to this Statement when submitting, or provide a web address below where it can be viewed:

Yes, the opportunity will arise once the TMC is operational.

If you attached a Performance Reporting Plan, please skip forward to Section 9. If you did not attach a Performance Reporting Plan, answer the following questions.

- a. List the performance measures you will use to evaluate the progress and performance of this project:

Traffic flow and incidents. Additional performance measures may be added in the future as more data becomes available.

- b. How will the project report its performance? To whom and how frequently will the performance be reported?

NCTCOG / via Future C2C plug-in



d. Does the equipment have the capability to collect data such as speed or vehicle counts?

- Yes. No.
- Not Applicable.
-

If the response to 8d is no, please skip forward to Section 9.

e. Will the data be communicated to NCTCOG?

- Yes. No.
- Not Applicable.
-

f. Will the data be stored or archived by the collecting agency?

- Yes. No.
- Not Applicable.
-

g. Will the devices and the data generated be initially validated and periodically evaluated?

- Yes. No.
- Not Applicable.
-

h. Please elaborate on how data will be validated, shared, stored and/or archived. If these activities are not anticipated, please explain why.

N/A



9. OPERATIONS AND MAINTENANCE

Your responses in this section should provide assurance that the project has a plan for operating and maintaining the systems it deploys.

- a. Attach the Operations and Maintenance Plan for this project to this Statement, or provide a web address below where it can be viewed:

The City will provide resources, operation and maintenance management of the new traffic signals.

If you attached an Operations and Maintenance Plan, please skip forward to Section 10. If you did not attach an Operations and Maintenance Plan, answer the following questions.

- b. Enter the estimated annual cost, in dollars, for the project's operation and maintenance.

\$_____ per year _____

- c. Briefly describe the staffing and technical resources required for the operation and maintenance of your project.

City staff and resources will be used to provide repair and maintenance to meet this need.

- d. Briefly describe how the project's need for resources will be met.

City staff and resources will be used to provide repair and maintenance to meet this need.



10. OTHER INFORMATION

Please use this section to provide additional information and clarification regarding your project's ITS architecture compliance.

- a. Attach additional documents for this project here, or provide the web addresses where they can be viewed below:

N/A

- b. Please provide any other comments you would like to share about your ITS project:

N/A

NCTCOG thanks you for your time and diligence in completing this ITS Architecture Consistency Statement.

Please save a copy of your Statement for your records before submitting.

[Click Here to Submit The Statement to NCTCOG](#)