

Space Coast Transportation Planning Organization
Aurora Road Corridor Study
Work Order 17-21K
Scope of Services
12/27/2016

A. INTRODUCTION

The Aurora Road Corridor Study will explore the potential to implement a road diet or lane elimination project to improve pedestrian and bicycle facilities as well as to address safety issues, traffic operations, and transit movements along the corridor. Aurora Road is a key east/west road in Brevard County, starting at Harlock Road, just east of I-95, on the west and ending at Pineapple Avenue, west of US 1, to the east. The Corridor Study will focus on identifying improvements for the section of Aurora Road from Wickham Road to Stewart Avenue in the City of Melbourne. **Figure 1** displays the location of the study limits.

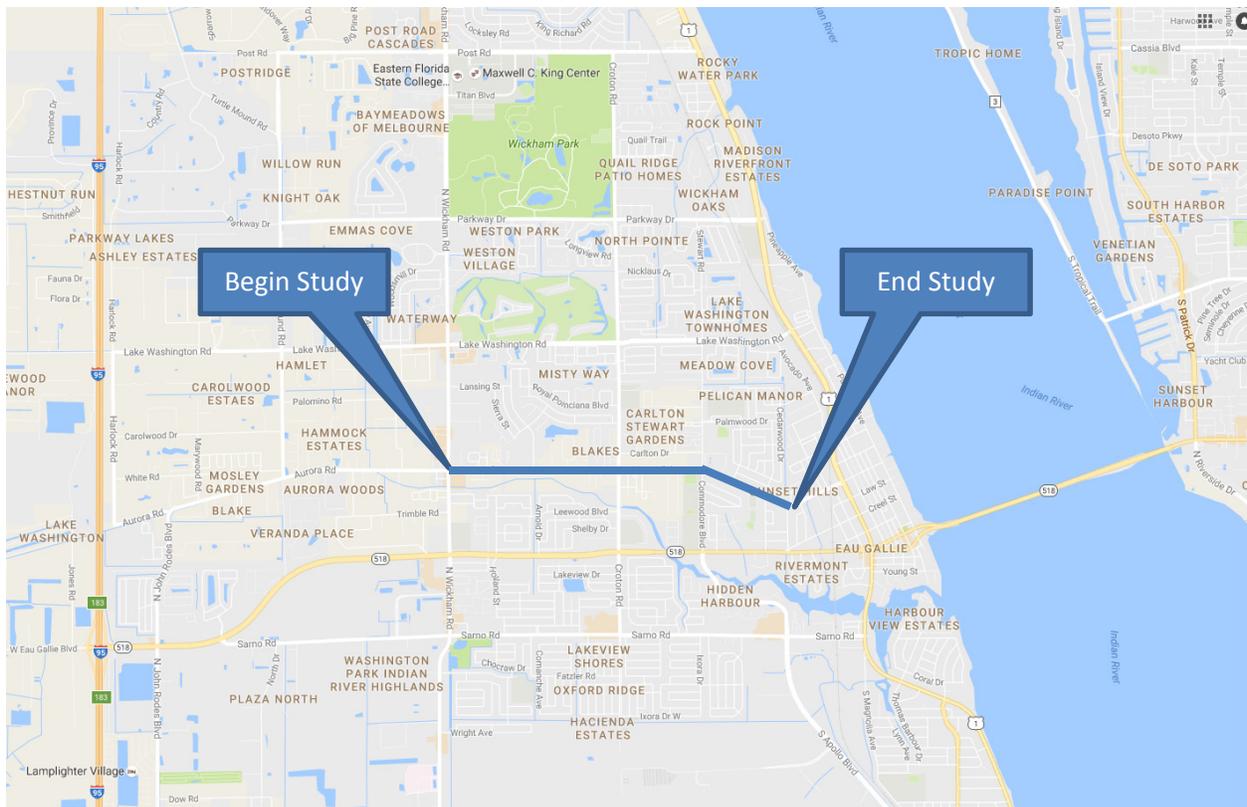


Figure 1 – Aurora Road Study Limits

Aurora Road within the study limits is classified as Urban Minor Arterial and consists of a four-lane undivided cross section (four travel lanes, two in each direction). Aurora Road has a closed drainage

system with curb and sidewalk along a majority of the south side and an open drainage system with minimal sidewalk along a majority of the north side of the study corridor.

Existing traffic volumes on Aurora Road from Wickham Road to Stewart Avenue range from 9,900 to 11,600 vehicles per day. The study corridor has experienced volume-to-capacity ratios ranging from 0.29 to 0.35 in 2015 based on the Space Coast Transportation Planning Organization's (TPO) annual State of the System Report. The study corridor has experienced on average 56 crashes per year over the past 5 years, with three per year involving pedestrians or bicyclists.

Automobile oriented commercial/retail land uses are directly adjacent to the corridor while single family subdivisions surround those commercial/retail parcels. The Eau Gallie River is located just south of the study corridor between Wickham Road and Croton Road. Six schools are also located within ½ mile of the study corridor.

A concurrent study will be performed along Wickham Road from Eau Gallie Boulevard to Lake Washington Road. The goal of the Wickham Road study is to assess operational, pedestrian, bicycle, and transit improvements at the signalized intersections and along the segments between intersections. In order to reduce duplication of efforts and conserve resources, some scope items pertaining to public involvement and analysis at the intersection of Wickham Road and Aurora Road will be accounted for in the Wickham Road Operational Analysis scope of services. This scope will note items that will be covered under the Wickham Road project.

B. DESCRIPTION OF SERVICES

Kittelson & Associates, Inc. (CONSULTANT) will assist the TPO in performing the Aurora Road Corridor Study. The goals of the study are as follows:

- Assess feasibility for road diet or lane elimination along the study corridor.
- Assess traffic operations along the segments and at signalized intersections based on a potential road diet alternative.
- Assess alternatives to provide improved pedestrian/bicycle/transit facilities along the length of the corridor with an emphasis at signalized intersections and recommend a feasible preferred alternative targeting multi-modal mobility.
- Assess cross section changes, such as constructing raised medians, to reduce vehicular conflicts and improve safety along the corridor.
- Solicit input from the public and a Project Advisory Team throughout the course of the project. This team will provide guidance to the CONSULTANT when recommending the preferred alternative.

C. MAJOR TASKS

The CONSULTANT will assist the TPO with the following major tasks:

- Prepare for and lead three public meetings and two Project Advisory Team meetings.

- Perform general data collection activities including:
 - Review right-of-way maps along the study corridor;
 - A field review to observe existing operational conditions and corridor characteristics; and
 - A utility verification for existing utilities along the study corridor.
- Perform an existing conditions analysis which includes:
 - Historical safety review for last five years;
 - Existing and future land use as well as current zoning;
 - Existing corridor and intersection operational analysis;
 - Existing transit facilities and transit operations; and
 - Issues and opportunities identification.
- Perform a future conditions assessment including the following tasks:
 - Determine future growth rates;
 - Forecast traffic volumes; and
 - Perform future no-build operational analysis.
- Develop and analyze alternatives involving:
 - Development of cross sections and roadway alternatives;
 - Drainage and impacted utilities assessments;
 - Development of preliminary cost estimates; and
 - Analyze operational/multi-modal measures of effectiveness and recommend a preferred alternative.

As documented in **Part D** of this scope, the CONSULTANT will develop a schedule during the project's first month and keep the schedule current throughout the project's duration. The following subsections describe each task to be performed.

TASK 1: PUBLIC AND PROJECT ADVISORY TEAM MEETINGS

As part of the Aurora Road Corridor Study, the CONSULTANT will prepare for and lead two Project Advisory Team meetings and three public meetings. The following work activities are anticipated in preparation for the Project Advisory Team and public meetings:

- Project Advisory Team –
 - Identification of Project Advisory Team: It is anticipated the CONSULTANT will work with the TPO to identify appropriate members of the Project Advisory Team. Members of the Project Advisory Team are anticipated to represent local agencies along the corridor, such as Brevard County, the City of Melbourne, members from schools located near the study corridor, and local law enforcement.
 - Project Advisory Team Meetings (2): The Project Advisory Team will be engaged in the review of products and at key decision points during the operational analysis process.
 - Two Project Advisory Team Meetings will be held in concurrence with the Wickham Road Operational Analysis project for a total of four meetings.
- Public Meetings –

- Public Involvement Kick-Off Meeting: Following the existing conditions assessment, a public meeting will be held during the needs identification process to solicit input from interested parties that wish to actively engage in the planning process. The format of the meeting will include a brief presentation to review the operational analysis process, review existing conditions and key project issues, and to highlight samples of similar projects and/or planning techniques being considered as part of this operational analysis. The public will be presented with key project contacts and ways that the community can get involved.
- Preliminary Cross Section Alternatives Public Meeting: Because exploring the feasibility of a road diet is one of the main goals of this project, the CONSULTANT will introduce the road diet concept and explain the pros and cons at this meeting. Initial analysis related to feasibility of road diet along Aurora Road will also be presented. As part of the interactive public meeting, initial cross sections for the corridor will be presented. The workshop will include a brief presentation to review the study process, review the future conditions assessment, and highlight alternatives being considered.
- Preferred Alternative Public Meeting: Based on public input from the Preliminary Cross Section Alternatives Public Meeting, the CONSULTANT will refine the cross sections and develop a preferred concept. The CONSULTANT will lead a third public meeting presenting the preferred concept for Aurora Road to the public. The comments received from this public meeting will guide the Project Advisory Team on final revisions to the preferred concept before project completion.
- For each of the three public meetings, the CONSULTANT will prepare the following:
 - Project Summary/Overview Handout for distribution at the meetings.
 - Multi-media presentation and equipment; meeting equipment set-up and tear-down.
 - Meeting notifications: The CONSULTANT will work with TPO staff to generate a mailing list for meeting notifications. This includes letters to elected and appointed officials, legal advertisements, post card mailings to property owners and other interested parties, and e-mail notifications to the Project Advisory Team. The CONSULTANT will pay the cost of publications and first class postage as applicable (up to \$1,500 per meeting).
 - News releases for use 14 days prior to meeting. The CONSULTANT will pay for the cost of publishing the press release in one local newspaper.
 - Summary notes of meetings to be provided to the TPO no later than 10 business days after the meeting.
- Based on the inputs received during the first Project Advisory Team meeting and first Public Meeting, the CONSULTANT will formalize the corridor needs, goals, and objectives as well as guiding principles.

With input from the TPO, the CONSULTANT will secure a site to host the public meetings. The CONSULTANT will attend the meetings with an appropriate number of personnel to assist TPO Staff.

Material for TPO Website: If the TPO anticipates posting study-related information on the web, the CONSULTANT will provide project information, graphics, and other materials generated for major deliverables, public, and Project Advisory Team coordination meetings in a suitable format for posting as requested.

Task 1 Deliverables

- *Meeting materials such as presentations, notifications, and meeting boards will be made available to the TPO for review prior to the meetings.*
- *Meeting notes from each of the meetings will be prepared and distributed amongst the Project Advisory Team.*
- *Corridor Study Needs, Goals, Objectives, and Guiding Principles*

TASK 2: DATA COLLECTION

2.1 Traffic Data Collection

The TPO will collect turning movement count data at signalized intersections and key unsignalized intersections during the AM and PM peak hours. The CONSULTANT will review the counts collected for reasonableness and consistency along the study corridor. It is anticipated the CONSULTANT will obtain daily segment volumes from the TPO's State of the System (SOS) traffic count data set.

2.2 Field Review

The CONSULTANT will perform two field reviews over the course of the project:

1. During the Existing Conditions Analysis task to observe operational characteristics in the AM and PM peak hours. This field review will also consist of verifying intersection/cross sectional geometrics along with the existing pedestrian, bicycle, and transit facilities. This review will also include a night review to observe lighting levels along the corridor.
2. During the Alternatives Analysis task to verify specific roadway characteristics that may impact concept development features. This may include the location of driveways, curb returns, drainage inlets, open swales, or review of locations where potential conflicts between the roadway elements and proposed concepts may exist.

2.3 Right-of-Way Review

The CONSULTANT will coordinate with Brevard County and the City of Melbourne to review ROW information within the limits of the study corridor. The ROW maps will be compared to the GIS parcel lines and utilized during Alternatives Analysis.

2.4 Utility Verification

The CONSULTANT will verify utilities along the corridor via a Sunshine One Call and readily available plans obtained from Brevard County and/or the City of Melbourne. The Sunshine One Call will provide a list of potential utility providers in the area and a field inspection will be completed to provide visual

confirmation of the utilities. Local cities will be contacted to obtain GIS utility information that is available and these utilities will be mapped in GIS/CADD for use during the Alternatives Analysis.

2.5 General Data Collection

The following items are anticipated to be collected as part of the data collection effort:

- Signal timing/phasing information for the study intersections.
- Existing transit data in the corridor including route information, schedules, ridership, transit facilities, and future transit plans.
- Planned and programmed roadway projects in the area. This will also include a request for any approved but unbuilt access permits on the corridor.
- Recently completed projects in the area.
- Existing and future land use plans.
- GIS data illustrating available information within the study area. This data generally consists of wetland, floodplains, threatened/endangered species and habitat, contamination, and cultural/historic sites used to identify fatal flaws with potential alternatives.

Task 2 Deliverables

- *A data collection summary will be included in the Existing Conditions Report as defined in **Task 3**.*

TASK 3: EXISTING CONDITIONS ANALYSIS

3.1 Historical Safety Review

The CONSULTANT will obtain 2011 to 2015 crash data from the 2015 State of the System report and summarize corridor wide and intersection crash trends. The CONSULTANT will prepare collision diagrams for the pedestrian and bicycle crashes along the corridor and note any transit related crashes. The CONSULTANT will also create collision diagrams for up to three high crash locations along the study corridor.

The TPO completed a road safety audit for Wickham Road in June 2016 from Sarno Road to Parkway Drive. As part of this road safety audit, crash data from 2009 to 2014 was summarized for the Wickham Road/Aurora Road intersection. As part of the concurrent Wickham Road Operational Analysis project, 2015 crash data will be summarized at the Wickham Road/Aurora Road intersection. It is assumed the data from the Wickham Road study will be utilized for this study at the Wickham Road/Aurora Road intersection.

3.2 Existing Corridor Operational Analysis

Using the travel characteristics data collected for the study corridor, the CONSULTANT will perform a level of service (LOS) evaluation per Highway Capacity Manual (HCM) procedures as they apply to roadway intersections and segments for the AM and PM peak hours. The existing conditions analysis will be performed for three signalized intersections and one unsignalized intersection within the study corridor. A HCM based segment analysis will be performed for the three segments between the

signalized intersections. The analysis for the Wickham Road/Aurora Road intersection will be completed as part of the Wickham Road Operational Analysis project.

3.3 Issues and Opportunities Identification

Based on the existing conditions analysis, the CONSULTANT will review the data collected to identify the preliminary issues and opportunities along the corridor. This will include issues and opportunities based on safety, traffic operations, and pedestrian/bicycle/transit mobility obtained through review of previous studies, field reviews, coordination with agencies, previous public workshops/meetings, operational analysis, and other publically available data sources such as agency GIS resources and the TPO databases.

Task 3 Deliverables

- *The results of the existing conditions analysis will be summarized within the Existing Conditions Report. It is anticipated the TPO will review the report and the CONSULTANT will incorporate comments/edits before finalizing.*
- *Two (2) hard copies of the Existing Conditions Report will be prepared for the TPO once the report is finalized.*

TASK 4: FUTURE CONDITIONS ASSESSMENT

4.1 Determination of Future Growth Rate

As part of the Wickham Road Operational Analysis project, the CONSULTANT will run an “off the shelf” model to evaluate projected traffic growth in the area utilizing the latest version of the Central Florida Regional Planning Model (CFRPM). As part of this task, programmed and planned roadway improvements will be verified, documented, and included into the transportation model and the CONSULTANT will prepare a year 2040 baseline future model for the study corridor (no interim year models will be developed). No subarea model will be created for the Wickham Road project.

In order to determine future growth for the Aurora Road study corridor, the CONSULTANT will review the future traffic growth forecast supplied in the model results from Wickham Road study. The model growth rate will be one source the CONSULTANT will utilize to determine future traffic growth along Aurora Road.

In addition to the model growth rates, historical traffic growth rates and future Florida Bureau of Economic and Business Research population growth rates will be reviewed for applicability. Based on the three growth rate sources discussed, the CONSULTANT will propose a growth rate to the Project Advisory Team to be utilized for the future traffic projections along the study corridor.

4.2 Traffic Volume Projections

The existing AM and PM peak-hour turning movement volumes for the study corridor will be forecast to the opening year (specific year to be determined by the Project Advisory Team) utilizing the growth rate discussed in **Task 4.1**. These projected volumes will be used for the future intersection LOS analysis and determination of potential intersection improvements.

The growth rate will also be applied to AM and PM peak-hour segment volumes to determine capacity needs on a segment level.

4.3 Future No-Build Operational Analysis

Using the future traffic volumes projected for the opening year of the study corridor, the CONSULTANT will perform a LOS evaluation per Highway Capacity Manual (HCM) procedures as they apply to roadway segments and intersections. The future conditions analysis will be performed for the same three signalized intersections and one unsignalized intersection as in the existing conditions analysis. A HCM based segment analysis will be performed for the same three segments as defined in the existing conditions analysis.

4.4 Road Diet Feasibility Analysis

One of the main objectives of this corridor study is to determine feasibility for road diet or lane elimination along the study corridor. The CONSULTANT will conduct a road diet or lane elimination feasibility assessment based on industry accepted methodologies outlined in FDOT's Statewide Lane Elimination Guidance and FHWA's Road Diet Informational Guide. This analysis will be focused on testing traffic operations feasibility if a lane is eliminated based on future traffic volumes. Planning level traffic operations analysis will be conducted on three signalized intersections and segments, assuming lane elimination.

Task 4 Deliverables

- *The results of the future conditions analysis will be summarized within the Future Conditions Report. It is anticipated the TPO will review the report and the CONSULTANT will incorporate comments/edits before finalizing.*
- *Two (2) hard copies of the Future Conditions Report will be prepared for the TPO once the report is finalized.*

TASK 5: ALTERNATIVES ANALYSIS

5.1 Development of Initial Roadway Alternatives

The CONSULTANT will develop up to five initial roadway alternatives for the corridor that address corridor needs, goals, and objectives identified in **Task 1** and are feasible based on the Future Conditions Assessment discussed in **Task 4**. These alternatives will provide accommodations for vehicle, pedestrian, bicycle, and transit modes of travel. These initial alternatives will be presented in the form of cross-sections as well as 3-dimensional before and after renderings to the Project Advisory Team to help facilitate thought and feedback. The five initial alternatives will also be presented at the Preliminary Cross Section Alternatives Public Meeting to gain insight and feedback from the public on which alternative(s) should move forward to concept development.

5.2 Drainage Assessment

The CONSULTANT will perform a drainage analysis for the five cross section alternatives as part of this task. Drainage assessment items include:

- Delineate existing drainage basins, patterns and outfalls;
- Perform existing condition drainage calculations to determine max pre development flow rates;
- Perform proposed condition drainage calculations to determine post development flow rates as well as water quality requirements;
- Analyze existing storm water management facilities for possible accommodation of proposed conditions;
- If needed, determine suitable pond sites to accommodate proposed drainage requirements; and
- Summarize design considerations for pond if a new pond is proposed.

As part of this task, one meeting will be held with Brevard County and City of Melbourne to review details about the drainage impacts for each of the five cross section alternatives developed.

5.3 Impacted Utilities Assessment

The CONSULTANT will review the utility conflicts for up to five cross section alternatives and provide preliminary cost estimates for the impacted utilities, if necessary.

5.4 Alternatives Analysis

The CONSULTANT will develop an evaluation matrix including several measures of effectiveness to compare the no-build alternative and the five initial roadway alternatives developed in **Task 5.1**. Measures of effectiveness will include quantifiable criteria as well as qualitative criteria that fulfill the corridor needs, goals and objectives, and are based on the guiding principles identified in **Task 1**. Examples of quantifiable measures could include multi-modal LOS, automobile travel time, intersection and segment LOS, transit operations, drainage and utilities impacts, safety improvements based on crash modification factors, and/or construction costs. Examples of qualitative measures can include quality of pedestrian realm, bicycle level of stress, and/or quality of amenities for transit users.

5.5 Select Preferred Alternative

A preferred alternative will be selected based on the results of the alternatives analysis process outlined in **Task 5.4**. The preferred cross section alternative may be one of the five alternatives considered or some combination of those alternatives. Once the preferred cross section is selected, signalized intersection approach cross sections will be developed for up to six intersection approaches. These cross sections will be utilized to develop the CADD concept for the corridor, as discussed in the next subtask.

5.6 Development of Roadway Concept

The preferred cross section alternative will be drafted in CADD over the background of an existing satellite aerial image. The concept will be provided to the Project Advisory Team in the form of roll plot and figure set for review and comment. The goal of developing the concept in CADD is to explore potential constraints with the cross sections and identify access management opportunities.

5.7 Preliminary Construction Cost Estimates

The CONSULTANT will prepare a preliminary construction cost estimate for the preferred alternative using the conceptual roadway layouts. Utility relocations and drainage ponds, if needed, will be included

in the construction cost estimates. This section will also list potential funding options for implementation.

Task 5 Deliverables

- *The results of the Alternatives Analysis will be summarized within the Corridor Alternatives and Strategies Report. It is anticipated the TPO will review the report and the CONSULTANT will incorporate comments/edits before finalizing.*
- *Two (2) hard copies of the Corridor Alternatives and Strategies Report will be prepared for the TPO once the report is finalized.*

D. PROJECT MEETINGS AND PRESENTATIONS

Kick-Off Meeting: The CONSULTANT will attend a kick-off meeting with TPO staff and the Project Advisory Team to discuss the goals and anticipated outcomes of the project.

Project Status Meetings: Up to two (2) members of the CONSULTANT team will attend up to four (4) additional meetings with TPO staff to discuss project progress and receive input on tasks completed. The purpose of these meetings is to maintain clear communication between the TPO and the CONSULTANT team. The CONSULTANT will prepare a meeting agenda and prepare/distribute meeting notes following each of these meetings.

Project Presentations: It is anticipated the CONSULTANT will make three presentations approximately halfway through the project and three presentations at the conclusion of the project to the following organizations: 1. Presentation to the Space Coast TPO Technical Advisory Committee (TAC) and Citizens Advisory Committee (CAC); 2. Presentation to the TPO Board; and 3. Presentation to the City of Melbourne City Council. The CONSULTANT will be responsible for preparing the PowerPoint presentation but will coordinate with the TPO on what will be included in the presentation.

Project Meetings and Presentations Deliverables

- *Meeting notes will be prepared and distributed amongst the Project Advisory Team.*

E. PROJECT ADMINISTRATION

Quality Assurance/Quality Control: The CONSULTANT team will designate appropriate senior staff to conduct Quality Assurance/Quality Control (QA/QC) reviews of work products.

Project Schedule: The CONSULTANT will prepare and submit a detailed project schedule identifying major tasks, their durations, and tasks relationships. The CONSULTANT is responsible for keeping the schedule up to date. The beginning date of the services will be the date of authorization for this work order. Any changes to the schedule necessitated by circumstances outside the CONSULTANT's control will be coordinated with TPO staff. It is anticipated the project will be complete by May 31, 2018.

Invoices: Invoices will be prepared in the format prescribed by the TPO. A detailed invoice including a narrative description of the work performed by the CONSULTANT during the period covered by the

invoice for each item in the scope will be submitted. The final invoice will be labeled “Final” and project close out procedures will be followed.

Budget: This work will be completed as a lump sum task order. **Table 1** displays the budget breakdown for Kittelson & Associates, Inc. (KAI) and Infrastructure Engineers, Inc. (IEI). A detailed summary budget table for both KAI and IEI is attached.

Project Administration Deliverables

- *Project Schedule (initial and updates when necessary)*
- *Monthly Progress Reports*
- *Project Administration*

Table 1 – Aurora Road Corridor Study Budget

Firm	Fee
Kittelson & Associates, Inc.	\$ 224,754.00
Infrastructure Engineers, Inc.	\$ 33,586.00
Sum	\$ 258,340.00

STANDARD FEE SUMMARY SHEET

Prime Consultant Information
 Kittelson & Associates, Inc.
 Karl Passetti, P.E.
 P: 407-540-0555
 F: 407-540-0550

Task Work Order Consultant Information
 Kittelson & Associates, Inc.
 Travis Hills, P.E.
 P: 407-540-0555
 F: 407-540-0550

Task: Aurora Road Corridor Study

Name of Firm: Kittelson & Associates, Inc.

ACTIVITY	Senior Principal RATE: \$ 225.00	Principal RATE: \$ 205.00	Senior Engineer/Planner RATE: \$ 160.00	Engineer/Planner RATE: \$ 145.00	Engineer Intern RATE: \$ 128.00	Senior Technician RATE: \$ 133.00	Secretary/Clerical RATE: \$ 68.00	TOTAL HOURS	COST BY ACTIVITY
Task 1: Public and Project Team Meetings	37 \$ 8,325.00	0 \$ -	0 \$ -	86 \$12,470.00	79 \$ 10,112.00	35 \$ 4,655.00	36 \$ 2,448.00	273	\$ 38,010.00
Task 2: Data Collection	0 \$ -	0 \$ -	4 \$ 640.00	44 \$ 6,380.00	64 \$ 8,192.00	0 \$ -	0 \$ -	112	\$ 15,212.00
Task 3: Existing Conditions Analysis	0 \$ -	12 \$ 2,460.00	12 \$ 1,920.00	52 \$ 7,540.00	128 \$ 16,384.00	0 \$ -	0 \$ -	204	\$ 28,304.00
Task 4: Future Conditions Assessment	0 \$ -	18 \$ 3,690.00	12 \$ 1,920.00	60 \$ 8,700.00	136 \$ 17,408.00	0 \$ -	0 \$ -	226	\$ 31,718.00
Task 5: Alternatives Analysis	0 \$ -	28 \$ 5,740.00	48 \$ 7,680.00	108 \$15,660.00	256 \$ 32,768.00	0 \$ -	0 \$ -	440	\$ 61,848.00
Project Meetings and Presentations	55 \$ 12,375.00	0 \$ -	0 \$ -	83 \$12,035.00	62 \$ 7,936.00	0 \$ -	10 \$ 680.00	210	\$ 33,026.00
Project Administration	40 \$ 9,000.00	0 \$ -	0 \$ -	16 \$ 2,320.00	0 \$ -	0 \$ -	12 \$ 816.00	68	\$ 12,136.00
TOTAL PROJECT	132 \$ 29,700.00	58 \$11,890.00	76 \$ 12,160.00	449 \$65,105.00	725 \$ 92,800.00	35 \$ 4,655.00	58 \$ 3,944.00	1533	\$ 220,254.00
Public Meeting Expenses \$									4,500.00

KAI TOTAL \$ 224,754.00

STANDARD FEE SUMMARY SHEET

Prime Consultant Information
 Kittelson & Associates, Inc.
 Karl Passetti, P.E.
 P: 407-540-0555
 F: 407-540-0550

Task Work Order Consultant Information
 Infrastructure Engineers, Inc.
 Frank Hickson, P.E.
 P: 407-957-1660
 F: 407-957-8744
 IEI Job No. 09009FL00.00

Task: Aurora Road Corridor Study

Name of Firm: Infrastructure Engineers, Inc.

ACTIVITY	Project Principal RATE: \$ 220.00	Senior Engineer/Planner RATE: \$ 181.00	Engineer/Planner RATE: \$ 167.00	Engineer Intern RATE: \$ 92.00	Tech/CADD RATE: \$ 70.00	Secretary/Clerical RATE: \$ 53.00	RATE: \$ -	TOTAL HOURS	COST BY ACTIVITY
Task 1: Public and Project Team Meetings	0 \$ -	40 \$ 7,240.00	0 \$ -	40 \$ 3,680.00	0 \$ -	0 \$ -	0 \$ -	80	\$ 10,920.00
Task 2: Data Collection	0 \$ -	10 \$ 1,810.00	0 \$ -	48 \$ 4,416.00	0 \$ -	0 \$ -	0 \$ -	58	\$ 6,226.00
Task 3: Existing Conditions Analysis	0 \$ -	0 \$ -	0 \$ -	0 \$ -	0 \$ -	0 \$ -	0 \$ -	0	\$ -
Task 4: Future Conditions Assessment	0 \$ -	0 \$ -	0 \$ -	0 \$ -	0 \$ -	0 \$ -	0 \$ -	0	\$ -
Task 5: Alternatives Analysis	0 \$ -	40 \$ 7,240.00	0 \$ -	100 \$ 9,200.00	0 \$ -	0 \$ -	0 \$ -	140	\$ 16,440.00
TOTAL PROJECT	0 \$ -	90 \$ 16,290.00	0 \$ -	188 \$ 17,296.00	0 \$ -	0 \$ -	0 \$ -	278	\$ 33,586.00

PROJECT TOTAL \$ 33,586.00