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## TECHNICAL PROPOSAL REPORT

<b>Agreement:</b> E00651	<b>Open End /Non Project Specific</b>	<b>Active</b>
<b>Name:</b> Open end agreement for intersection, signal and related design.		<b>Selection Process:</b> Modified
		<b>Initiating Org:</b> Engineering District 4-0
<b>Supplement:</b> 3	<b>OE Time Extension</b>	<b>Executed</b>
<b>Description:</b> to extend the existing Open End contract and Work Order 10 until September 23, 2012		

**Task 1 - Various Design/Environmental Services**

**Objective:**  
 7.3.1  
 This task involves engineering and environmental services provided under a Department Open End Contract.

**Scope:**  
 7.3.1  
 The work and services required under this Contract may encompass a wide range of environmental studies and engineering efforts with the possibility of several different types of projects with short completion schedules being assigned concurrently. The anticipated types of projects include, but not limited to, bridge replacements or bridge rehabilitation with minor approach work, environmental studies, roadway betterments (3R type,) minor capital improvement projects (bridges or roadway), railroad grade crossing projects, and minor location studies, etc.

The engineering work and services which may be required under this Contract include, but are not limited to, perform field surveys; plot topography and cross sections; prepare submission for utility verification and relocations engineering; prepare all pertinent submissions and materials necessary for the Department to prepare the application to PUC and for the PUC field conference; attend and supply any required information for all PUC meetings and hearings during the design of the project; develop erosion control details and narrative; prepare right of way plans; complete structure designs including type, size and location reports, core boring layouts and foundation designs and reports; develop traffic control plans with narratives; conduct soils investigations and prepare soils reports; investigate utility involvement on projects; provide material for and participate in value engineering reviews; coordinate contacts with railroad officials and procure railroad related costs, permits, and insurance; collect signal timing, accident data and other traffic flow data; document engineering study findings and activities; alternative analysis to assess impacts and mitigation; and prepare construction plans, specifications, and estimates.

The areas of environmental study required under the Contract may include, but are not limited to: air quality; noise; energy; vibration; hazardous waste; surface water and ground water quality; surface water and ground water hydrology; terrestrial ecology including threatened and endangered species; wetlands; soils; geology; farmlands; visual quality; socio-economic resources; cultural resources; Section 4(f) Evaluations; early coordination and; scoping correspondence; meeting minutes; public meeting and hearing presentations; visualization materials, handouts and displays; technical basis reports (TBRs) and/or technical files; NEPA environmental documents; Section 106 documents; mitigation plans and reports; wetland and floodplain findings; and preliminary engineering plans, and remote sensing/mapping innovations; The format and content of all documents will be consistent with applicable State and Federal regulations, policies and guidelines.

The engineering services and environmental studies identified above are the general work activities that can be expected under this Open-End Contract. A specific project-related Scope of Work will be outlined for each individual Work Order developed under this Open-end Agreement.

**Detail Task 1 - Various Design/Environmental Services**

**Department Details:**

Work Orders may be assigned for any/all of the following project phases: Preliminary Engineering and Environmental Studies, Final Design and/or Construction Services.

**Approach:**

HRG concurs with the scope of work noted in this supplement. This supplement is an extension of time to complete ongoing work order number 10.

**Consultant Hierarchy**

<b>Business Partner</b>	<b>DBE Type</b>	<b>Supervising BP</b>
Herbert, Rowland & Grubic, Inc.	No	

**Attachments**

*No records found.*

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