**ALTERNATES**

Section 01030

***This section must be edited by Project Manager to meet specific project needs.***

***Delete instruction boxes before final printing.***

**PART 1 – GENERAL**

* 1. **RELATED DOCUMENTS**

Applicable portions of the Project Manual, including but not limited to relevant Drawings and Specifications.

* 1. **SUMMARY**

This Section includes administrative and procedural requirements for alternates.

* 1. **DEFINITIONS**

 A. Alternate: A Bid Item for a scope of work described in the Section 00300 Bid Requirements and Contract Documents that, if accepted by Owner, may result in additions to or deductions from the Base Bid.

* 1. **PROCEDURES**

 A. Coordination: The Contractor must modify or adjust any affected adjacent Work as necessary to completely integrate work of the Alternate into the Project.

 B. The Contractor must include as part of each Alternate, any miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of the Alternate.

1. Notification: The awarded contract will include all accepted Alternates.

 D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in such schedule contain requirements for materials necessary to achieve the Work described under each Alternate.

 E. Bidders must respond to all Alternates listed on the 00300 Bid Form, even if acceptance or rejection of an alternate will not change the Bid amount. Bid amounts must be entered in the spaces for each Alternate in the Bid Form.

The Owner has established a priority order (Alternate No. 1 has the highest priority) for the acceptance of Bid Alternates based on the Project needs and budget. Alternates will be accepted in the order listed on the Bid Form, but such acceptance will not exceed the Project budget.

**PART 2 - PRODUCTS**

NOT USED

**PART 3 – EXECUTION**

**3.1 SCHEDULE OF ALTERNATES**

***Project Managers need to define Alternates in detail. See examples below.***

***In addition, the Alternate schedule should be prioritized as the needs and budget constraints for this project. This priority list will establish the acceptance procedures of the Allowance during the Bid Award phase of the project.***

**EXAMPLES:**

**Alternate No. 1: The non-civil construction of the 138 kV portion of the substation which includes erecting steel structures, aluminum bus and associated connections, and setting equipment as listed in Section 01010 and shown on the drawings. The 138 kV portion of the substation ends and** includes the JC-133 connection as shown on Dwg 7B 1164 C12.

The price for Alternate No. 1 is in addition to the Base Bid. The Base Bid includes the civil work to construct the 138 kV portion of the substation.

Alternate No. 2: Shall provide all necessary street preparation work, including edge milling, crack sealing, HMAC surface replacement areas, and HMAC level-up, and GlasGrid placement followed by the installation of an overlay over the streets listed for the project areas as listed in Section 00300U as Pay Items under Alternate No. 2. Alternate 2 is in lieu of a standard mill and overlay of the full roadway.

Alternative No. 3: The purpose of Alternate 3 is to determine the possible construction cost savings of substituting 24-inch diameter, DI, Factory Restrained Joint carrier pipe inside a minimum 36-inch diameter steel encasement pipe for 36-inch diameter, DI, Factory Restrained Joint Pipe inside a minimum 48-inch steel encasement pipe in bid items SP510-AWRJ-36-S&T and SS2300 Tunnel Excavation and Primary Lining in the base bid. The alternate includes deductive amounts for the pipe and fittings, backfill/cellular grouting of pipe in shaft and tunnel from Special Manhole South to Special Manhole North and for Tunnel Excavation and Primary Lining.

If the alternate is accepted, the credit will be deducted from each of the above referenced base bid items and the remaining amount will be divided by the quantity to get a new unit price for those items. The new unit prices shall be paid out as per the Contract.

**END**