DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

SPECIAL PROVISION

ATLANTA BELTLINE

NORTHEAST TRAIL SEGMENT 2, PHASE 2

Section 999 – Eco-Counter

Add the following:

999.1 General Description

This section includes furnishing and installing an Eco-Counter system, which includes: the Eco-Combo multi pedestrian / cycles, the wooden post, a rainbird manhole, the Eco-Visio license and back-up including Eco-Alert service.

999.1.01 Related Reference

    A. Standard Specifications
        Section 209 – Subgrade Construction
        Section 430 – Portland Cement Concrete Pavement
        Section 833 – Joint Fillers and Sealers
        Section 853 – Reinforcement & Tensioning Steel

    B. Referenced Documents
        General provisions 101 through 150.

999.1.03 Submittals

A. Product Data

  1. For each type of product indicated include construction details, material description, dimensions of individual components and profiles, finishes, field-assembly, requirements, and installation details.

B. Product Schedule

  1. For system – use same design indicated on drawings.

C. Material Certificates

  1. For system, signed by manufacturer.

D. Maintenance Data

  1. For system to include in maintenance manuals.

999.1.04 Materials

Furnish only new materials and equipment for this work. Subject to compliance with requirements, provide the following:

A. Eco-Combo Multi BiDirectional Pyro and Zelt.

1. Eco-Combo multi bidirectional pedestrian/cycles 4m (13') wide with direction (3 zelt loops), code no. XGC M0018
2. Wooden post (for pyro sensor alone), code no. 794
3. Rainbird Manhole, code no. 761
4. Eco-Visio license and Data Transformation back-up including Eco-Alert Service (12 months), code no. 831.

B. Concrete Pad to Encase Zelt Inductive Loops: Concrete pad is within trail, as noted in drawings.

C. Concrete Footing for Post Mounting.

D. Power Source for Eco-Center System: Battery powered per manufacturer's instructions.

E. Location for Eco-counter Logger: Location to be determined by Owner's Representative.

999.3 Construction Requirements

999.3.03 Preparation

Examine areas and conditions with installer present, for compliance with requirements for correct finished grade, mounting surfaces, installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

Owner's Representative shall approve all locations and layouts of each system component provided to finish installation.

999.3.05 Construction

A. Installation

1. Comply with manufacturer's warranty installation instructions. Complete field assembly of system components.

2. Unless otherwise indicated, install Eco-Counter System after adjacent trail concrete paving has been installed.

3. Install systems as directed by manufacturer and securely anchor all system components at locations indicated on drawings. Test system with Owner's Representative present to review data collection procedures.

B. Cleaning

1. After completion of site furnishing installation, inspect component, remove spots, dirt and debris. Repair damaged finishes to match original finish or replace components.

999.3.06 Quality Acceptance

Obtain each component of system though one source for a single manufacturer.

999.4 Measurement

The accepted Eco-Counter quantities are measured per each system in place in the completed work.

999.5 Payment

Section 999 – Eco-Counter

The Eco-Counter System is paid for at the unit price bid per each unit complete and in place as specified. The payment is full complete for all excavation, furnishing, and installation of Eco-System unit, including preparation of concrete pad, post mounting, power supply and all other system requirements. The cost of furnishing all tools, safety devices, labor, equipment, and all other necessary items to complete the work is included in payment.

Payment will be made under:

Item No. 999	Eco-Counter System	Per each

End of Section 999