

SPECIAL PROVISIONS FOR SECTION 802-A: CAMP DATA COLLECTION

The 2019 Edition of the New Mexico Department of Transportation Standard Specifications for Highway and Bridge Construction shall apply in addition to the following:

802-A.1 DESCRIPTION

This Work shall consist of providing the CAMP Data Collection after construction.

802-A.1.1 General

The Contractor shall inventory Culverts as specified on the plans for inclusion in the Department's Culvert Asset Management Program (CAMP). The Contractor shall provide the CAMP Data Collection in the Department's CAMP GIS geodatabase format and shall include Culvert data per schema provided by the Department.

802-A.1.2 Contractor Supplied Documents and Services

The Contractor shall provide qualified personnel to perform the CAMP Data Collection in a professional, timely, and accurate manner. The Contractor shall provide qualified personnel having sufficient training with the Equipment and software to accurately document the required data listed in accordance with Section 802-A.3.1.1, "CAMP Characteristics". The Contractor shall ensure the personnel supervising the CAMP Data Collection are knowledgeable and experienced in surveying, GIS Equipment and software use, and the procedures of delivering Acceptable Post Construction Plans.

The Contractor shall obtain the latest revision of the Department's CAMP schema (an *.xml file) prior to the CAMP Data Collection.

802-A.2 MATERIALS – Reserved

802-A.3 CONSTRUCTION REQUIREMENTS

802-A.3.1 General

The Contractor shall use the following Equipment:

1. Tablet with cellular service capabilities or cell phone;
2. ESRI ArcGIS Field Maps mobile application (on collection device);
3. Resource Grade GPS Receiver with sub-meter accuracy (compatible with ESRI ArcGIS Field Maps); and
4. Other tools and devices, as necessary, to document and measure dimensions and physical characteristics as listed in Section 802-A.3.1.1, "CAMP Characteristics".

802-A.3.1.1 CAMP Characteristics

The Contractor shall complete and collect the CAMP Data Collection in the CAMP schema and include, but not be limited to, information in the following fields:

1. GPS point location;

2. Accessibility and reason for inaccessibility;
3. Drop Inlet details;
4. Culvert shape;
5. Inlet end section type;
6. Span (inches);
7. Rise (inches);
8. Number of Culverts;
9. Width of multi-barrel Culvert (feet);
10. Material;
11. Skew and degree of skew;
12. Erosion control;
13. Silting;
14. Physical damage;
15. Corrosion;
16. Channel type and channel condition;
17. Scour;
18. CAMP Data collector name;
19. Date;
20. Horizontal accuracy;
21. Photos; and
22. Additional inventory items as requested by the Department's Drainage Bureau .

The Contractor shall schedule a meeting at least ten (10) Days prior to commencing Work to discuss inventory items, Equipment, data collection methods and data delivery.

The Contractor shall reference the Department's Culvert Asset Management Program Culvert Identification Handbook, current edition, for information and details on evaluating Culverts.

802-A.4 METHOD OF MEASUREMENT

CAMP Data Collection will be measured as a Lump Sum.

802-A.5 BASIS OF PAYMENT

Pay Item

CAMP Data Collection

Pay Unit

Lump Sum

802-A.5.1 Work Included in Payment

The Department will consider as included in the payment for CAMP Data Collection and will not measure or pay separately for the following Work:

1. Furnishing, installing, and maintaining traffic control devices.