

# **Project Specifications for Pinedale Anticline Project Office 2010-11 Request For Proposal for Snow and Traffic Monitoring**

## **1. BACKGROUND AND OBJECTIVES:**

The purpose of this RFP is to secure a Contractor to facilitate 2011-12 quantitatively monitor snow depth and traffic volumes in the Pinedale Anticline Project Area (PAPA) and adjacent reference areas. Data collected will be used for Resource Selection Function Models.

*Specific level of change to be monitored:*

### **Goals:**

Quantitatively monitor and report traffic volumes within the PAPA.

Quantitatively monitor and report snow depth within the PAPA and associated reference areas.

### **Objectives:**

- Monitor traffic volumes within the PAPA development area.
- Sample snow depths at fixed locations throughout winter months (November – April) within the PAPA and associated reference areas (Appendix A, map).

## **VI. PROJECT SPECIFICATIONS AND REQUIREMENTS**

### **1. RESPONSIBILITIES OF PROPOSER [CONTRACTOR]:**

**OBJECTIVES:** Monitor traffic and snow volumes to be utilized in other PAPA monitoring and Mitigation Matrix wildlife analysis.

#### **1.1**

##### **Methodology for Traffic Monitoring**

- Contractor will install and operated traffic counters at 60 locations within the PAPA.
- Equipment is infrared sensor, battery operated type counters.
- Counters record hour and day stamp for each event
- Locations will be selected by the PAPO
- Contractor will download data from traffic counters at 7-10 day intervals.
- Traffic counters will be deployed in early November and remain active until the end of May.
- Monitors will be set at a sensitivity level sufficient to minimize the probability of recording hits by passing big game and timed to reduce probability of multiple hits for trucks hauling trailers.
- Contractor will be required to employ quality assurance/quality control to identify hits caused by events other than traffic or nonfunctioning counters.

##### **Methodology for Snow Depth Monitoring**

- Contractor will collect snow depth measurements every two weeks from November through the end of April at 60 fixed locations (See Project Area Map– Attachment B).
- Contractor will monitor six locations along each of the ten identified snow plowed roads shown on the Project Area Map (Appendix A). We have established one location each representing the following slope or aspect:
  - North facing
  - South facing
  - East facing
  - West facing
  - Ridge line
  - Drainage
- Contractor will monitor fixed locations on public lands, placing a measuring device at each location in fall prior to big game winter closures (November 15). Measuring devices have large numbers that can be read through binoculars or spotting scope from access road.

## **1.2 REQUIREMENTS:**

- **Contractor will use Data submission and survey protocol as provided by the PAPO (Attachment C) for reporting data.**

## **1.3 DATA SUBMISSION AND REPORTING:**

- Contractor will coordinate directly with the PAPO.
- Any equipment purchased from the project fund will be property of the PAPO.
- All raw data will be submitted as collected to the PAPO.
- Data will be submitted electronic and hardcopy using attributes table provided by the PAPO.
- All horizontal position data will be collected and reported in NAD 27, Zone 12, Universal Transverse Mercator (UTM).
- Invoices will include progress summary describing completed work included in billing.

## **1.4 COMMUNICATION AND ON-SITE REQUIREMENTS**

The Contractor and Agency Representative may schedule meetings as deemed necessary to review current project status. Phone call and e-mail are the preferred means of communications.

## **1.5 DOCUMENTATION**

The Contractor shall maintain all fiscal records relating to the contract in accordance with generally accepted accounting principles and shall maintain any other records relating to the contract. The State, the Federal government and their duly authorized representatives shall have access to such fiscal records and to all other books, documents, papers, plans and writings of the Contractor which relate to the contract to perform examination and audits and make excerpts and transcripts. The Contractor shall retain and keep accessible all such fiscal records, books, and documents for three (3) years, or such longer period as

may be required by applicable law, following final payment and termination of the contract, or until the conclusion of any audit, controversy or litigation arising out of or related to the contract, whichever date is later.