

CONFIDENTIAL

Proposed Methods for a
Phase I Cultural Resources Survey of the
Keystone Pipeline Project Corridor,
Cushing Extension, Oklahoma Segment,
Kay, Noble, and Payne Counties, Oklahoma

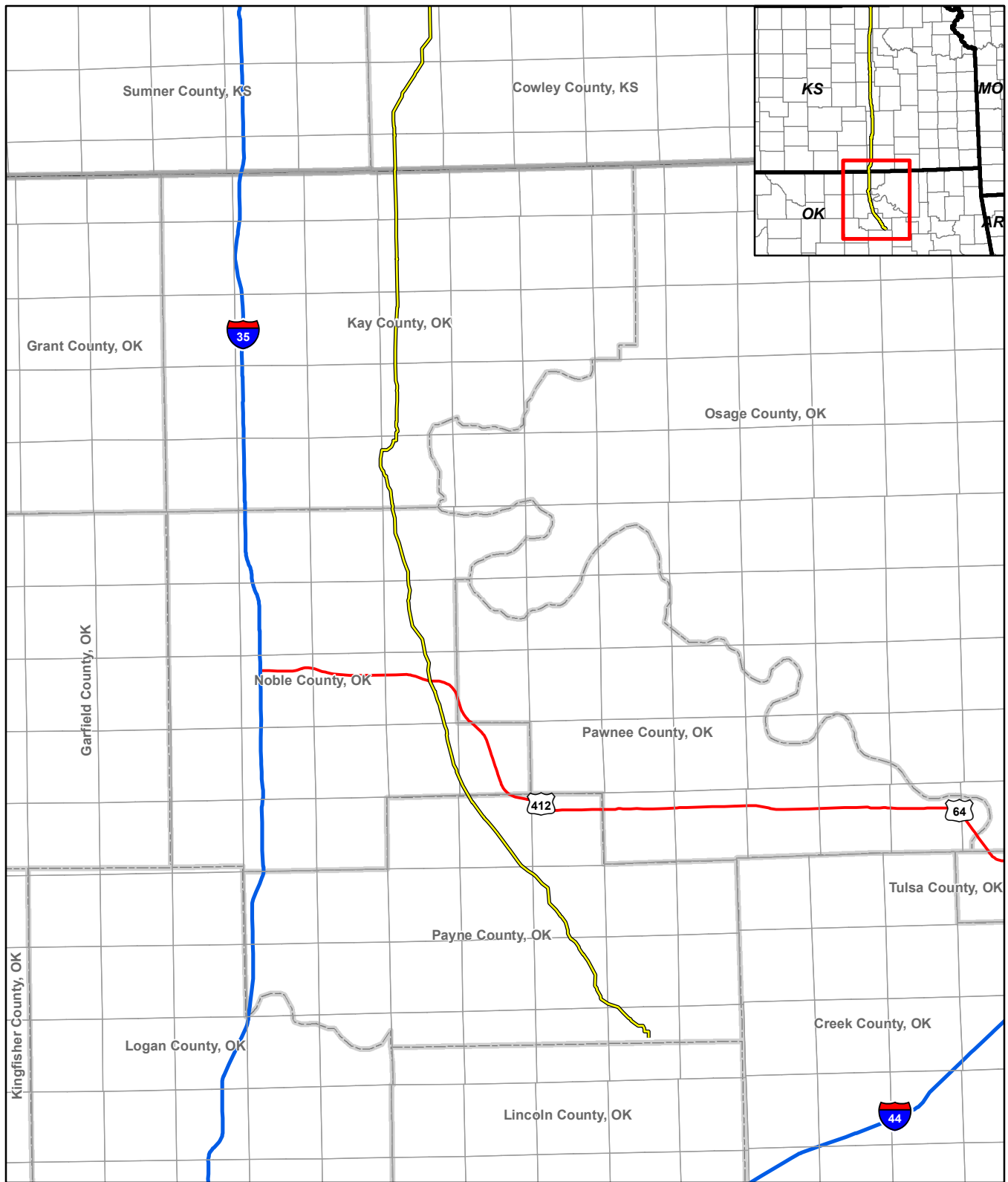
Prepared for
ENSR International
Fort Collins, Colorado

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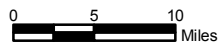


Legend

 Proposed Cushing Extension

Keystone Pipeline Project

Cushing Extension
- Oklahoma -



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Introduction

This document is a response by American Resources Group, Ltd. (ARG), Carbondale, Illinois, to a request by ENSR International, Fort Collins, Colorado, for a research design and methodology for conducting a Phase I cultural resources survey of the Oklahoma Segment of the Keystone Pipeline Project corridor, Cushing Extension. The proposed pipeline corridor passes through three counties in its nearly 79.66-mile transect of north-central Oklahoma (see Figure).

An archaeological investigation of the entire length of the Oklahoma segment of the proposed pipeline corridor will be conducted by ARG to locate and record all cultural resources within the project area and to make a preliminary assessment of their historical significance using National Register of Historic Places (NRHP) criteria (36 CRF 60.6, *Federal Register* 1976). The survey methodology that will be employed is described in the concluding section of the document.

Project Description

The Keystone Pipeline Project is a proposed 1,870-mile-long crude oil pipeline extending from Hardisty, Alberta, to Patoka, Illinois. The Cushing Extension represents a lateral extension of the Keystone Pipeline from a point near the Nebraska-Kansas border to Cushing, Oklahoma. The Cushing Extension of the Keystone Pipeline passes through the north-central Oklahoma counties of Kay, Noble, and Payne. The proposed pipeline corridor enters the state of Oklahoma at Mile Post CE-212.57 and ends at Mile Post CE-292.23, a distance of 79.66 miles.

The Keystone Pipeline will transport heavy crude oil from Alberta, Canada, to markets in the central United States. The pipeline will be a critical aid to the anticipated growth in Canada's crude oil production over the next decade. The project sponsor is TransCanada Corporation. The U.S. Department of State will oversee the project and, as lead agency, coordinate the participation of the other state and federal agencies that must also review relevant parts of the project.

Results of Records Check and Literature Review

A site file search and literature review were conducted by Geo-Marine, Inc. (Carrier Jones and Kuehn 2006). The purpose of the records search and literature review was to determine the nature and extent of archaeological investigations conducted to date in the portions of north-central Oklahoma that the Cushing Extension pipeline traverses and to identify the

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