

August 12, 2009

Corina Cox  
Economic Development Coordinator  
Northwest Kansas Planning & Development Commission  
P.O. Box 248  
Hill City, KS 67642

RE: Trego County; CDBG #09-PF-919 & KDOT #098 C-4310-01

Dear Ms. Cox,

The Kansas Geological Survey (KGS) has received your letter dated <sup>July</sup>~~June~~ 17, 2009, requesting environmental review comments for the above referenced project. The proposed project includes the replacement of a bridge over Big Creek located 4.0 miles south and 3.6 mile east of the City of WaKeeney, KS. According to your letter, the existing bridge will be abandoned and left in place while a new 36'-48'-36' reinforced concrete haunched slab bridge will be constructed to the south of the existing bridge.

A review of regional geologic information and project information provided with the request indicates that there are no environmental resources that would be adversely impacted by this project. Site-specific conditions may need to be considered prior to commencement of the project. A completed Environmental Assessment Review form is enclosed.

This assessment was based on regional geologic and project information available to the KGS at the time of the review and should not be used for a detailed site characterization. Other geologic conditions, not discussed herein, or for which the KGS has no knowledge, may affect the feasibility of this project. It is the responsibility of the applicant to provide any necessary site characterizations, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

If you have questions please do not hesitate to contact me at my office (785-864-2179).

Sincerely,



Jon J. Smith

Cc: Dan Suchy, KGS Data Resources Library

**NORTHWEST KANSAS PLANNING AND DEVELOPMENT COMMISSION  
ENVIRONMENTAL ASSESSMENT REVIEW**

REQUEST FOR ACTION ON GRANT REVIEW

DATE: July 17, 2009

**Agency Name:**

Kansas Geological Survey  
University of Kansas  
1930 Constant Avenue – Campus West  
Lawrence KS 66047-3726

**Impact Categories:**

Environmental Resources

**Applicant's Name and Address:**

Trego County  
216 Main  
WaKeeney, KS 67672

**Project Title:**

Bridge Replacement

**Project Number:**

CDBG #09-PF-919

**Return No Later Than:**

August 17, 2009

**Return To:**

Corina Cox  
Economic Development Coordinator  
Northwest Kansas Planning & Development Commission  
P.O. Box 248  
Hill City, KS 67642

Northwest Kansas Planning and Development Commission have submitted the enclosed proposal for an Environmental Assessment Review. Your review of this proposal as it affects regional or local interest will be appreciated. Your appropriate comments concerning the proposal should be submitted to Northwest Kansas Planning and Development Commission no later than the date specified above.

Comments filed on a proposal may include: (1) The extent to which the project is consistent with or contributes to the fulfillment of your agency planning within the state, region or locality; (2) How the proposal relates to state, regional or local objectives; and (3) The effect of the proposal on your agency's activities.

☒ No Impact Anticipated

☐ Potentially Beneficial

☐ Potentially Adverse—  
Requires Documentation Only

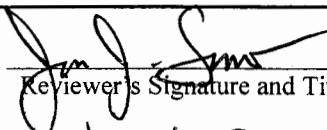
☐ Requires Project Modification

☐ Potentially Adverse—  
Requires More Study

☐ Needs Mitigation

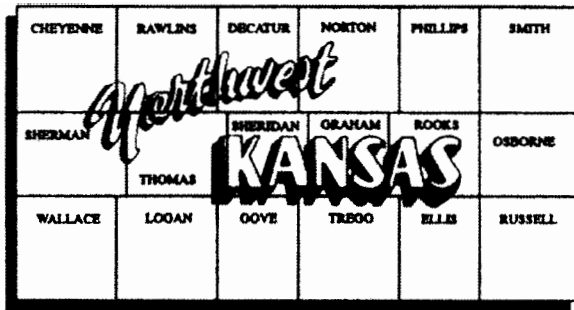
**COMMENTS:**

*See Cover Letter*

 *Geologist*  
Reviewer's Signature and Title

*Jon J. Smith*  
Printed Name

*8/12/09*  
Date



**NORTHWEST KANSAS  
PLANNING and DEVELOPMENT  
COMMISSION**  
319 N. Pomeroy  
Box 248  
Hill City, Kansas 67642-0248  
(785) 421-2151 Fax (785) 421-3496

Kansas Geological Survey  
University of Kansas  
1930 Constant Avenue – Campus West  
Lawrence KS 66047-3726

July 17, 2009

RE: Trego County  
CDBG #09-PF-919 & KDOT #098 C-4310-01

Dear Sirs,

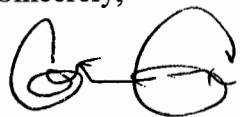
Trego County was awarded a 2009 Community Development Block Grant (CDBG) from the Kansas Department of Commerce (KDOC) and has secured funds from the Kansas Department of Transportation for a bridge replacement project. The project involves the replacement of a bridge located 4.0 miles South and 3.6 miles East of WaKeeney over Big Creek. The existing bridge will be abandoned and left in place. Work will consist of constructing a new 36'-48'-36' reinforced concrete haunched slab bridge to the south of the existing bridge. One temporary and three permanent right of way easements have been obtained.

Our office is conducting an environmental assessment of the above referenced project and request your agency review the project and its potential environmental impact. Your agency may have responded to a previous environmental assessment however responses are only valid for 12 months. Enclosed is a copy of the scope of work, budget, and project location map, and drawing for your reference.

An Environmental Assessment Review form is attached for your convenience. The form indicates specific impact categories you are to consider depending upon your agency's jurisdiction. **Please note the project cannot proceed until your review form is received by our office regardless of your response!** Our office must have documentation in the Environmental Review Record from your agency whether it is in letter form or on the attached review form even if your office does not feel the proposed project will have an impact on the human and natural environment. Please elaborate in the comments section why you indicated the specific response.

Your prompt consideration of this request will be greatly appreciated. Please return the review form to my attention by August 17, 2009, as indicated on the Environmental Assessment Review form. Should you have any questions or need additional information, please email my office at [nwkpdc@ruraltel.net](mailto:nwkpdc@ruraltel.net) or contact me at (785) 421-2151 at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to be 'Corina Cox', with a stylized, cursive script.

Corina Cox  
Economic Development Coordinator

Enc.

cc: Lori Augustine, County Clerk

**b. Scope of Work:**

The scope of work for this project includes the construction of a bridge within Trego County. The existing bridge is located 4.0 miles South and 3.6 miles East of WaKeeney over Big Creek. The existing bridge will be abandoned and left in place. Work will consist of constructing a new 36'-48'-36' reinforced concrete haunched slab bridge to the south of the existing bridge that will enhance safety by providing a wider roadway, flatter shoulder slopes, wider ditches, safety bridge rail, approach and exit guardrail, and a straighter roadway alignment. Specific construction figures are as follows:

Traffic control will be billed at a lump sum amount. Clearing and grubbing will be paid on a lump sum basis. Common excavation of 5,190 cubic yards and compaction of earthwork (Type B) (MR-90) at 2,781 cubic yards will be required to excavate the channel and to build the new roadway on a straighter and safer alignment. Three field entrances will be constructed along the new alignment which will require the installation of 108 linear feet of entrance pipe and six end sections.

Preparation for the new bridge will require 112 cubic yards of Class I Excavation and 95 cubic yards of Class II Excavation. Materials required for the bridge construction include 70,020 pounds of Reinforcing Steel (Grade 60), 64.2 cubic yards of Concrete (Grade 4.0) (AE), 257.2 cubic yards of Concrete (Grade 4.0)(AE)(SW), and 800 linear feet of Pile (Steel) (HP 10 x 42).

Temporary Ditch Checks (150 linear feet), Temporary Slope Barrier (Set) (1 linear foot), one cubic yard of Temporary Ditch Check (Rock) (Set) and 1 cubic yard of Sediment removal (set) will be used as needed to prevent soil erosion. Upon completion of the project, the area will be seeded, mulched and fertilized. Steel plate guardrail and guardrail end terminals as well as four type III object markers will be installed for safety.

Other items included in this scope of work include: 1 MGAL of water (Grading) (Set), 1 EACH of Type C Field Office and Laboratory, 1 cubic yard of Concrete for Seal Course (Set), 1 cubic yard of Temporary Surfacing Material, 1 cubic yard of Foundation Stabilization (Set), 1 hour of Flagger (Set), and 1 lump sum of Mobilization expense.

Exact construction items, quantities and estimated unit prices can be seen on the engineer's cost estimate on page 4b.

CDBG monies will be used to pay for 100% of administration, 20% of the bridge construction and 10% of the bridge construction costs for engineering inspection. The total estimated cost for construction is \$411,915 and \$75,000 for construction inspection. The CDBG cost per person benefiting is \$1,125.95. The project is scheduled to be let to bid November, 2009 with the construction of the bridge anticipated to be complete by October, 2010.

**GRANTEE NAME: Trego County**

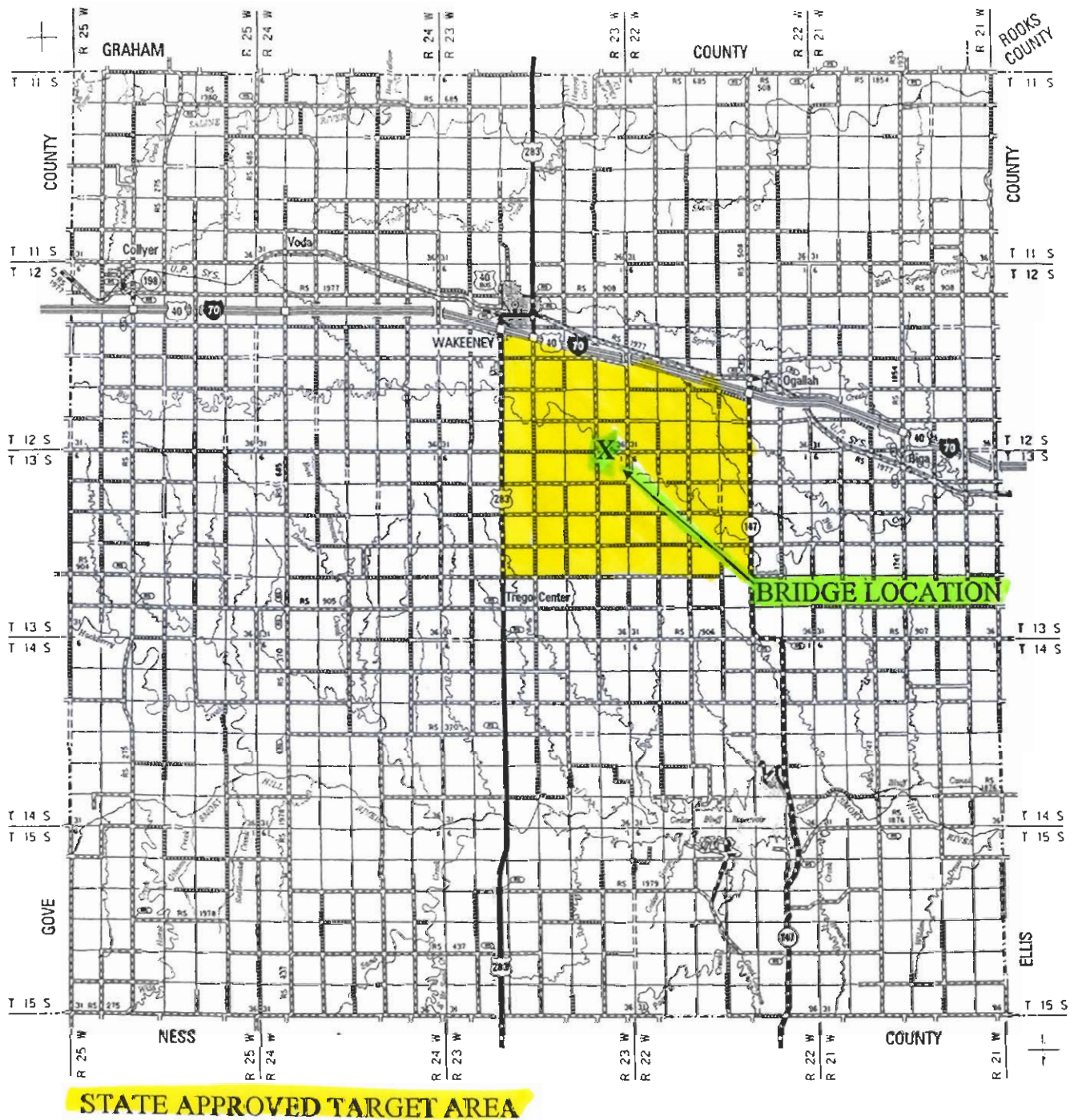
**GRANT NUMBER: 09-PF-919**

**\*DUNS NUMBER: 039930151**

| ACTIVITY                                | CDBG FUNDS        | OTHER FUNDS       | SOURCE OF OTHER FUNDS | TOTAL COST        |
|-----------------------------------------|-------------------|-------------------|-----------------------|-------------------|
| 1. Public Facilities/Construction       |                   |                   |                       |                   |
| a. Water Treatment Plant                |                   |                   |                       | \$ -              |
| b. Sewer/Lines/Treatment                |                   |                   |                       | \$ -              |
| c. Street Improvements                  |                   |                   |                       | \$ -              |
| d. Drainage/Flood                       |                   |                   |                       | \$ -              |
| e. Center/Facility                      |                   |                   |                       | \$ -              |
| f. Other (Identify) Bridge              | \$ 84,383         | \$ 327,532        | KDOT                  | \$ 411,915        |
| g. Acquisition, including easements     |                   |                   |                       | \$ -              |
| h. Engineering Design                   |                   |                   |                       | \$ -              |
| i. Construction Inspection              | \$ 8,238          | \$ 66,762         | KDOT                  | \$ 75,000         |
| j. Architectural Services               |                   |                   |                       | \$ -              |
| k. Other Professional Services          |                   |                   |                       | \$ -              |
| <b>Public Facility Activities Total</b> | <b>\$ 92,621</b>  | <b>\$ 394,294</b> |                       | <b>\$ 486,915</b> |
| 2. Housing Activities                   |                   |                   |                       |                   |
| a. Housing Rehabilitation               |                   |                   |                       | \$ -              |
| b. Lead-Based Paint Activities          |                   |                   |                       | \$ -              |
| c. Demolition                           |                   |                   |                       | \$ -              |
| d. Acquisition                          |                   |                   |                       | \$ -              |
| e. Relocation                           |                   |                   |                       | \$ -              |
| f. New Construction                     |                   |                   |                       | \$ -              |
| g. Housing Inspection                   |                   |                   |                       | \$ -              |
| <b>Housing Activities Total</b>         |                   |                   |                       | <b>\$ -</b>       |
| 3. Administration                       |                   |                   |                       | \$ -              |
| a. Administrative Activities            | \$ 8,715          | \$ 2,000          | County                | \$ 10,715         |
| b. Legal                                |                   |                   |                       | \$ -              |
| c. Audit                                |                   |                   |                       | \$ -              |
| <b>Administration Total</b>             | <b>\$ 8,715</b>   | <b>\$ 2,000</b>   |                       | <b>\$ 10,715</b>  |
| <b>ALL ACTIVITIES TOTAL</b>             | <b>\$ 101,336</b> | <b>\$ 396,294</b> |                       | <b>\$ 497,630</b> |

**\*TO RECEIVE A CITY/COUNTY DUNS # PLEASE CALL 1-866-705-5711**

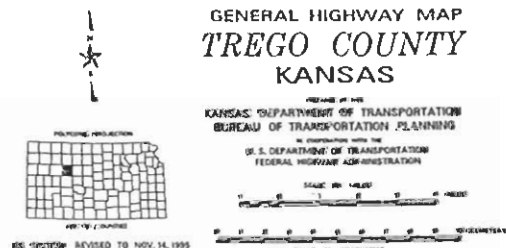
# TREGO COUNTY PROJECT AREA MAP

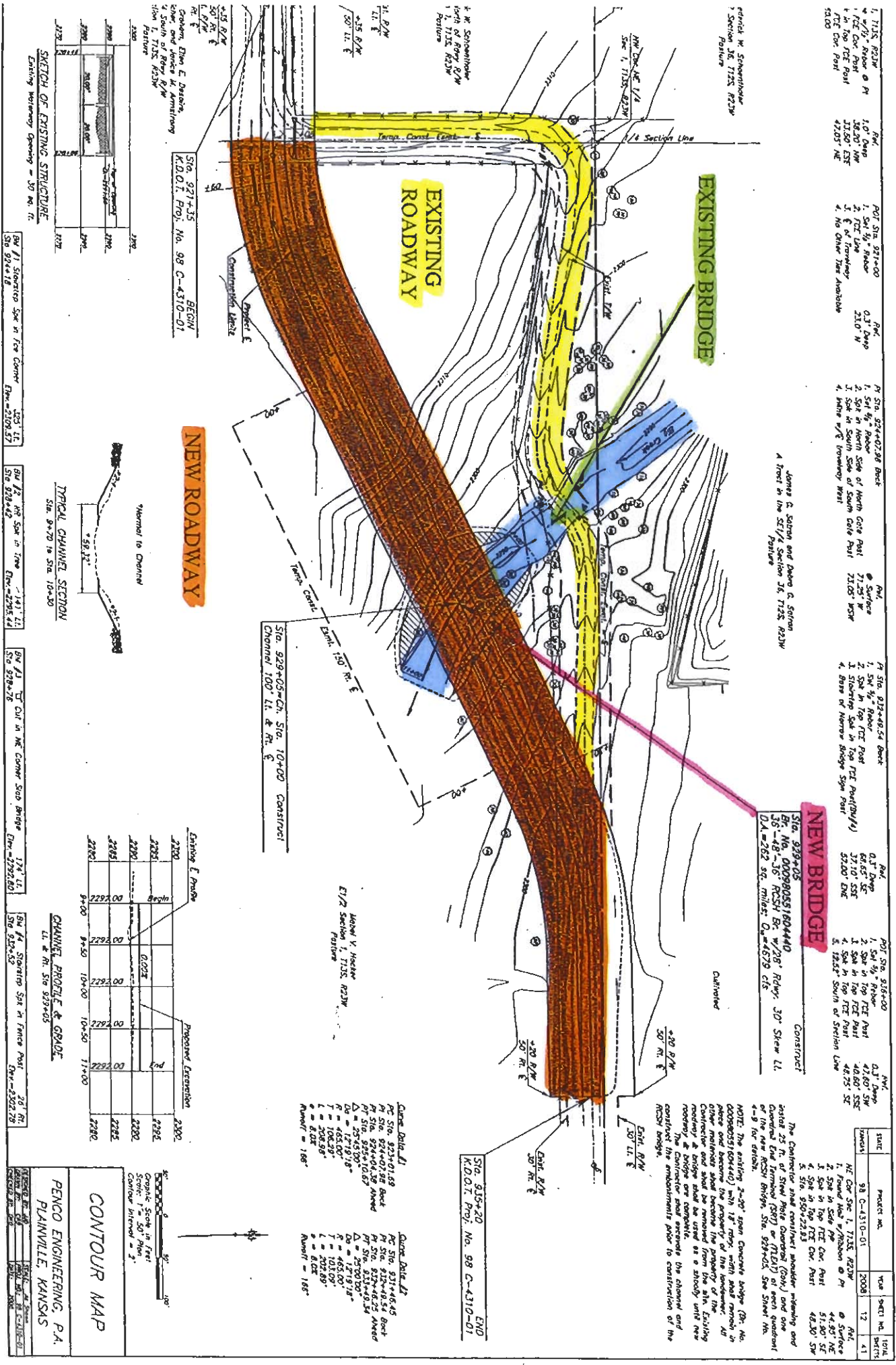


**STATE APPROVED TARGET AREA**

## LEGEND

| ROAD AND ROADWAY FEATURES                                                                       | ROAD SYSTEM DESIGNATION                          |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Frontage Road (Type A)                                                                          | State Highway System or State Maintained Highway |
| Unimproved Road (Type B)                                                                        | U.S. Maintained Highway                          |
| Graded and Gravel Road (Type C)                                                                 | County Maintained Highway                        |
| Sealed Road (Type D)                                                                            | County Maintained Highway                        |
| Gravel or Stone Road (Type E)                                                                   | County Maintained Highway                        |
| Projected Road                                                                                  | County Maintained Highway                        |
| Streambed Road - Low Type (Type F, G, H, I)                                                     | County Maintained Highway                        |
| Streambed Road - High Type (Type J, K, L)                                                       | County Maintained Highway                        |
| Gravel Road (Type M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)                                     | County Maintained Highway                        |
| Gravel Road (Type A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z) | County Maintained Highway                        |
| Gravel Road (Type A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z) | County Maintained Highway                        |





| Station     | Point           | Notes           |
|-------------|-----------------|-----------------|
| Sta. 921+35 | 1. Top of Road  | 1. Top of Road  |
| Sta. 921+35 | 2. Top of Road  | 2. Top of Road  |
| Sta. 921+35 | 3. Top of Road  | 3. Top of Road  |
| Sta. 921+35 | 4. Top of Road  | 4. Top of Road  |
| Sta. 921+35 | 5. Top of Road  | 5. Top of Road  |
| Sta. 921+35 | 6. Top of Road  | 6. Top of Road  |
| Sta. 921+35 | 7. Top of Road  | 7. Top of Road  |
| Sta. 921+35 | 8. Top of Road  | 8. Top of Road  |
| Sta. 921+35 | 9. Top of Road  | 9. Top of Road  |
| Sta. 921+35 | 10. Top of Road | 10. Top of Road |

| Station     | Point           | Notes           |
|-------------|-----------------|-----------------|
| Sta. 924+05 | 1. Top of Road  | 1. Top of Road  |
| Sta. 924+05 | 2. Top of Road  | 2. Top of Road  |
| Sta. 924+05 | 3. Top of Road  | 3. Top of Road  |
| Sta. 924+05 | 4. Top of Road  | 4. Top of Road  |
| Sta. 924+05 | 5. Top of Road  | 5. Top of Road  |
| Sta. 924+05 | 6. Top of Road  | 6. Top of Road  |
| Sta. 924+05 | 7. Top of Road  | 7. Top of Road  |
| Sta. 924+05 | 8. Top of Road  | 8. Top of Road  |
| Sta. 924+05 | 9. Top of Road  | 9. Top of Road  |
| Sta. 924+05 | 10. Top of Road | 10. Top of Road |

| Station     | Point           | Notes           |
|-------------|-----------------|-----------------|
| Sta. 927+05 | 1. Top of Road  | 1. Top of Road  |
| Sta. 927+05 | 2. Top of Road  | 2. Top of Road  |
| Sta. 927+05 | 3. Top of Road  | 3. Top of Road  |
| Sta. 927+05 | 4. Top of Road  | 4. Top of Road  |
| Sta. 927+05 | 5. Top of Road  | 5. Top of Road  |
| Sta. 927+05 | 6. Top of Road  | 6. Top of Road  |
| Sta. 927+05 | 7. Top of Road  | 7. Top of Road  |
| Sta. 927+05 | 8. Top of Road  | 8. Top of Road  |
| Sta. 927+05 | 9. Top of Road  | 9. Top of Road  |
| Sta. 927+05 | 10. Top of Road | 10. Top of Road |

| Station     | Point           | Notes           |
|-------------|-----------------|-----------------|
| Sta. 930+05 | 1. Top of Road  | 1. Top of Road  |
| Sta. 930+05 | 2. Top of Road  | 2. Top of Road  |
| Sta. 930+05 | 3. Top of Road  | 3. Top of Road  |
| Sta. 930+05 | 4. Top of Road  | 4. Top of Road  |
| Sta. 930+05 | 5. Top of Road  | 5. Top of Road  |
| Sta. 930+05 | 6. Top of Road  | 6. Top of Road  |
| Sta. 930+05 | 7. Top of Road  | 7. Top of Road  |
| Sta. 930+05 | 8. Top of Road  | 8. Top of Road  |
| Sta. 930+05 | 9. Top of Road  | 9. Top of Road  |
| Sta. 930+05 | 10. Top of Road | 10. Top of Road |

| Station     | Point           | Notes           |
|-------------|-----------------|-----------------|
| Sta. 933+05 | 1. Top of Road  | 1. Top of Road  |
| Sta. 933+05 | 2. Top of Road  | 2. Top of Road  |
| Sta. 933+05 | 3. Top of Road  | 3. Top of Road  |
| Sta. 933+05 | 4. Top of Road  | 4. Top of Road  |
| Sta. 933+05 | 5. Top of Road  | 5. Top of Road  |
| Sta. 933+05 | 6. Top of Road  | 6. Top of Road  |
| Sta. 933+05 | 7. Top of Road  | 7. Top of Road  |
| Sta. 933+05 | 8. Top of Road  | 8. Top of Road  |
| Sta. 933+05 | 9. Top of Road  | 9. Top of Road  |
| Sta. 933+05 | 10. Top of Road | 10. Top of Road |

| Station     | Point           | Notes           |
|-------------|-----------------|-----------------|
| Sta. 936+05 | 1. Top of Road  | 1. Top of Road  |
| Sta. 936+05 | 2. Top of Road  | 2. Top of Road  |
| Sta. 936+05 | 3. Top of Road  | 3. Top of Road  |
| Sta. 936+05 | 4. Top of Road  | 4. Top of Road  |
| Sta. 936+05 | 5. Top of Road  | 5. Top of Road  |
| Sta. 936+05 | 6. Top of Road  | 6. Top of Road  |
| Sta. 936+05 | 7. Top of Road  | 7. Top of Road  |
| Sta. 936+05 | 8. Top of Road  | 8. Top of Road  |
| Sta. 936+05 | 9. Top of Road  | 9. Top of Road  |
| Sta. 936+05 | 10. Top of Road | 10. Top of Road |