Kearney County, Nebraska

Including the Villages of Heartwell and Norman, Nebraska.



COUNTY COMPREHENISVE PLANNING PROGRAM - 2025.

COMPREHENSIVE PLAN-UPDATE & ZONING & SUBDIVISION REGULATIONS.

Joseph Anderson, Zoning Administrator.

Prepared By: HANNA:KEELAN ASSOCIATES, P.C. COMMUNITY PLANNING & RESEARCH

COMPREHENSIVE PLANS & ZONING * HOUSING STUDIES * DOWNTOWN, NEIGHBORHOOD & REDEVELOPMENT PLANNING * CONSULTANTS FOR AFFORDABLE HOUSING DEVELOPMENTS*

Lincoln, Nebraska 402.464.5383 *

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APRIL, 2015

KEARNEY COUNTY, NEBRASKA COUNTY COMPREHENSIVE <u>PLANNING PROGRAM - 2025.</u> COMPREHENSIVE PLAN-UPDATE, & ZONING & SUBDIVISION REGULATIONS.

(Including the Villages of Heartwell & Norman, Nebraska.)

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This **Comprehensive Plan** was completed with guidance and direction from the **Kearney County Planning Commission**. The **Comprehensive Plan** was funded by the **Kearney County, Nebraska**.

Kearney County, Nebraska Comprehensive Plan-Update - 2025.

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SECTION 1

The Kearney County Planning Process.

SECTION 1 THE KEARNEY COUNTY PLANNING PROCESS

THE COMPREHENSIVE PLAN

This **Comprehensive Plan-Update** was prepared as a guide to direct future growth and development opportunities in Kearney County and the Villages of Heartwell and Norman, during the 10-year planning period 2015 to 2025. The current Comprehensive Plan was completed in 2000.

The County has an ongoing One- and Six-Year Road Plan that outlines street and road maintenance programs. The County and Villages are also impacted by the State of Nebraska One- and Five-Year Road Plan, regarding the improvement of any State highway. The primary public facilities and services exist in the City of Minden, the County-Seat.

The focus of this **Comprehensive Plan–Update** concentrates on the potential for growth and development of the unincorporated, rural areas of Kearney County and identified Villages, in terms of "Goals & Policies," "Population, Income, Economic & Housing Profile," "Land Use Profile & Plan," "Public Facilities, Utilities & Transportation" and the "Energy Element." The intent of this Comprehensive Plan–Update is also to guide revisions to the Zoning and Subdivision Regulations, as needed, to achieve the specific goals and policies identified in the Plan-Update.

This **Comprehensive Plan–Update** is intended to provide policy guidance to enable the residents and elected officials of the County to make decisions based upon the consensus of the Planning Commission. Plan implementation methods should include incentives to stimulate private action consistent with the **Plan** and the use of Local, State and Federal programs for County-wide economic development activities.

The **Comprehensive Plan-Update** was prepared under the direction of the **Kearney County Planning Commission** and Planning Consultants, **Hanna:Keelan Associates, P.C.,** of Lincoln, Nebraska.

PLANNING PERIOD

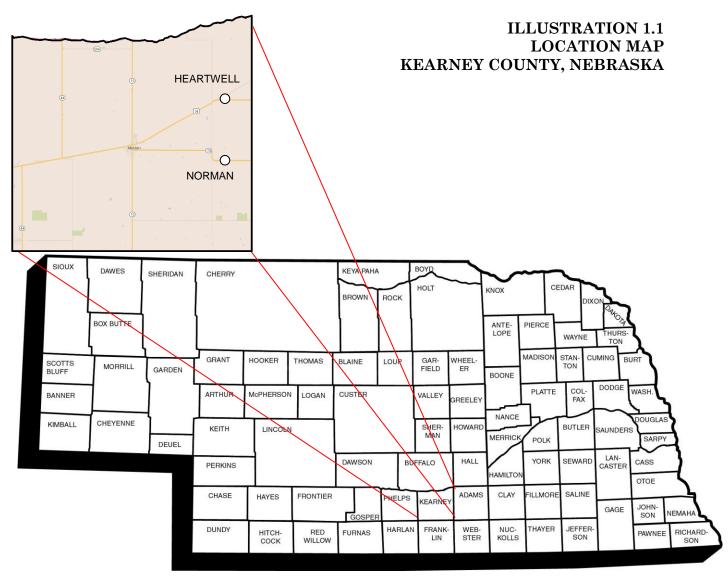
The planning time period for achieving the goals, programs and economic development activities identified in this **Comprehensive Plan–Update** for Kearney County and the Villages of Heartwell and Norman, Nebraska, is 10 years (2015-2025).

AUTHORITY TO PLAN

This **Comprehensive Plan–Update** for Kearney County and identified Villages is prepared under the Authority of Sections 19-916 to 19-927 and 23-114 to 23-174.10, Nebraska State Statutes 1943, as Amended.

AMENDMENT

The **Comprehensive Plan-Update** may be amended or updated as the need arises as provided in the Nebraska State Statutes.



SECTION 2

Goals and Policies.

SECTION 2 GOALS AND POLICIES

INTRODUCTION

The Comprehensive Plan plays a major role in the future growth and sustainability of a county. Important components of this plan are specific **planning** goals and policies. Goals and policies provide local planners direction in the administration and overall implementation of the Plan. In essence, Goals and Policies are the most fundamental elements of the Plan; the premises upon which all other elements of the Plan must relate. The following Goals and Policies are to be in effect for the period of the Kearney County Comprehensive Plan; 2015 to 2025, including annual review.

Goals are broad statements, identifying the present state or condition of the planning area and what the area could or should evolve into during the planning period. Goals are established for the primary components of the Comprehensive Plan, including land use, housing, economic development, public infrastructure, facilities and transportation and plan maintenance and implementation. Goals are long term in nature and, in the case of those identified for this Comprehensive Plan, will be active throughout the 10-year planning period.

Policies help to further define the meaning of goals. In essence, Policies are recommendations for means by which goals can be accomplished. Policies, or often referred to as objectives, are sub-parts of a Goal and are accomplished in a much shorter time space.

The following **Goals and Policies** are the result of both qualitative and quantitative research conducted in association with the Comprehensive Plan. The **qualitative research** has included input received from the Kearney County Planning Commission.

GENERAL COUNTY GOALS

The first step in developing Goals and Policies for this Plan is the creation of **general County/Community goals.** These general goals "highlight" **important** elements of the Kearney County comprehensive planning process, as determined via the identification of "key" issues.

The following represents the general goals associated with the rural, unincorporated areas of Kearney County and the Communities of Norman and Heartwell.

- Strive to produce population increases for the next 10 years, through Community, housing and economic development activities.
- Actively market Kearney County growth opportunities to stabilize and increase population, broaden the economic base and expand employment opportunities.
- The future of Kearney County will greatly depend on the willingness of residents to accept changes in the population and economic structure and their willingness to be a part of the ongoing planning and implementation process of the County.
- Promote the preservation of the agricultural industry, including the diversification of crop developments. Historically, agriculture has been the primary income producing activity for rural Kearney County. This is anticipated to remain as such through the 10-year planning period 2015 - 2025.
- Preserve and protect the natural resources and living environs of Kearney County by controlling, and prohibiting in specific regions, large scale livestock/confinement facilities in areas deemed inappropriate for such activities.
- Programs of citizen participation should be fostered in rural Kearney County and the Villages of Norman and Heartwell, to maintain and improve the economic and social quality of life of each Community and the County as a whole.

- ✤ Preserve and protect agriculture land for agricultural use and encourage future (nonagricultural) developments to locate in close proximity to all Kearney County communities or at appropriate locations along hard surfaced transportation corridors.
- Monitor the consumption of energy by all sectors of the County and promote the implementation of alternative energy sources such as Wind, Solar, Geothermal, Biomass and Methane, to reduce the reliance on traditional fuel and energy sources.
- Establish a comprehensive "Tourism Program" to capitalize on Kearney County's role in the historic expansion of the United States from the pioneer trails, Fort Kearney and the development of railroad and highway corridors through and beyond the County.
- Establish ordinances and resolutions in Heartwell, Norman and rural Kearney County dealing with excessive debris and dilapidated structures on properties throughout these areas.
- Continue to enforce zoning and subdivision regulations and the appropriate planning and zoning administration procedures to ensure the proper implementation of the Kearney County, Heartwell and Norman land use plans.
- Maintain and strengthen relationships between the County and each Community, to produce planning practices supportive of proper land usage, economic growth, housing, public facilities and services, transportation and recreation opportunities.
- Maintain and enforce zoning and subdivision regulations and the appropriate planning and zoning administration procedures to ensure the proper implementation of the Kearney County, Norman and Heartwell land use plans.

POPULATION

<u>Goal 1-</u> Maintain and increase the population base of rural Kearney County and the Villages of Norman and Heartwell at a rate acceptable to the vision of the citizenry.

Policies:

- 1.1 Plan for population growth during the next 10 years in rural Kearney County, an estimated increase of 38 persons between 2015 and 2025. The population base in both Norman and Heartwell will remain stable throughout the planning period with active in- and out-migration patterns.
- 1.2 Actively market the development potential of Kearney County, to support an increasing population, by broadening the economic base and expanding employment opportunities.

LAND USE

<u>Goal 1-</u> Provide opportunities for development in an orderly, efficient and environmentally sound manner.

- 1.1 Ensure that all areas for future non-agricultural development in rural Kearney County, as well as the Villages of Norman and Heartwell, are equipped with adequate, modern utility systems.
- 1.2 Avoid developments that could result in the contamination of soils and ground water resources
- 1.3 Limit future non-agricultural developments to locations that are relatively free of environmental constraints relating to soils, slope, flood plain, drainage, ground water, endangered species or other natural resources.
- 1.4 Continue to implement zoning regulations that allow for livestock/confinement facilities in appropriate areas, via a special use permit process.

- 1.5 Provide for the use of alternative energy systems to supplement residential and business electric consumption in accordance with Nebraska State Statute 70-12, as amended August, 2009. Promote the use of Solar, Methane, Wind, Biomass and Geothermal energy systems on individual properties to supplement or sell excess energy produced to the local utility district, a process known as "Net Metering."
- 1.6 Promote the development of Commercial Wind Energy Conversion Systems in appropriate areas by use of a special permit process, only.

<u>Goal 2</u> - Maintain land use development patterns and densities in rural Kearney County, as well as the Villages of Norman and Heartwell, which conform to uniform planning standards.

- 2.1 Maintain and follow a general Land Use Plan for the County and the Villages of Norman and Heartwell, which is based upon present conditions and the sound forecast of future needs.
- 2.2 Continue to implement the County land use plan that limits development of livestock/confinement facilities and operations from areas with sensitive soils conditions. Regions along the Platte River, as well as Sand Creek to the north and southeast of the Village of Norman, contain the highest concentration of sensitive soils conditions and flood prone areas.
- 2.3 Preserve and protect the irrigated and dry land crop production areas for continued agricultural uses. Groundwater protection and preservation of agricultural land uses should be emphasized.
- 2.4 Ensure that adequate open and recreational space is maintained in the County and each Community. Emphasize recreational opportunities associated with the Platte River corridor, Fort Kearney State Historical Park and Recreational Area and associated Hiker/Biker Trail, as well as the existing state park/recreation and wildlife areas.

- 2.5 Support the proposed "Big Bend Trails Development Plan," which is part of the "A Network of Discovery" A Comprehensive Trails Plan for the State of Nebraska. The Big Bend Trail is planned to run along the south side of the Platte River, connecting to the Hiker Trails at the Fort Kearney State Historical Park and along Highway 10 from Minden to Interstate 80.
- 2.5 The County must continue to enforce zoning and other policies/regulations that will provide incentives for maintenance of agricultural lands for traditional agricultural uses.

<u>Goal 3</u> - Maintain compatible adjacent land uses throughout the County and the Villages of Norman and Heartwell, through regulations suited to the unique characteristics and location of each use.

- 3.1 Continue the annual review and modification process of zoning districts and regulations to encourage both development and redevelopment activities.
- 3.2 Facilitate the orderly development of residential uses that are environmentally sound, with regard to topography and soils capacity.
- 3.3 Target the planned development of residential structures in rural areas within the planning jurisdictions of Heartwell and Norman.
- 3.4 Encourage industrial and commercial development within and/or adjacent to the Communities of Kearney County or in areas allowing for compatible land uses and adequate access to transportation systems and utilities.

<u>Goal 4</u> - Work cooperatively with Federal, State and adjoining County governments to develop compatible flood control measures.

Policies:

- 4.1 Continue the process of implementing State and local regulations protecting the environment from contamination or pollutants.
- 4.2 Require all developments to be consistent with flood plain requirements in flood prone areas.
- 4.3 Review and identify measures which limit or reduce flood hazards, control water run-off and enhance the quality of surface and ground water.

<u>Goal 5</u> – Continue to provide opportunities and incentives for development that will encourage economic stability and strengthen the overall tax base in the County.

Policies:

- 5.1 Encourage the development of local businesses, when appropriate, at strategic locations along County highway corridors and within the one-mile planning jurisdictions of Heartwell and Norman.
- 5.2 Identify land uses to promote and complement the existing State recreation and wildlife management areas.

HOUSING

<u>Goal 1-</u> Provide access to a variety of safe, decent and affordable housing types in rural Kearney County and the Villages of Norman and Heartwell, especially for persons and agricultural families of low to moderate income.

- 1.1 Improve on existing and develop new organizational relationships to improve housing conditions throughout Kearney County and the Villages of Norman and Heartwell, including but not limited to the South Central Economic Development District and the Community Action Partnership of Mid-Nebraska.
- 1.2 Continue to implement housing programs for the rehabilitation and/or removal of unsafe housing.

<u>Goal 2</u> - Protect and preserve existing rental and owner occupied residential units.

Policies:

- 2.1 Create an ongoing, County-wide housing rehabilitation program, to include both owner and renter housing units, by 2025.
- 2.2 Create a program to demolish substantially deteriorated dwellings within rural Kearney County and the Villages of Norman and Heartwell during the next 10 years, with emphasis on areas within close proximity to Kearney County Communities.
- 2.3 Identify and rehabilitate historically significant residences and other types of structures in rural Kearney County and the Villages of Norman and Heartwell.

<u>**Goal 3**</u> – Encourage future residential developments, which are compatible with and complement existing residential areas and are located near or adjacent hard surfaced County roads or Highways.

- 3.1 Increase education and awareness for housing development throughout the County in areas not detrimental to agricultural activities.
- 3.2 Prohibit development of residential units in environmentally sensitive areas.

ECONOMIC DEVELOPMENT

<u>Goal 1</u> - Continue to coordinate economic development efforts in Kearney County with area Communities.

Policies:

- 1.1 Encourage Community/County development activities that create permanent employment opportunities with competitive wages, especially for low- to moderate income persons and families.
- 1.2 Develop and actively pursue the implementation of a Kearney County Tourism Plan, to promote historical, recreational and educational uses throughout the County.
- 1.3 Develop a self-guided tour of historic buildings in Kearney County, utilizing the Nebraska Historic Buildings Survey of Kearney County.
- 1.4 Utilize both existing and develop new organizations for technical and financial assistance in support of economic development in Kearney County.

<u>Goal 2</u> - Housing and public facility improvements coupled with economic development opportunities should be the foundation of community development programming and implementation in Kearney County.

- 2.1 Direct community and economic development activities to address county-wide and regional residential and commercial needs.
- 2.2 Ensure that job creation is a recognizable issue of any economic development activity implemented in Kearney County Communities, with emphasis on low- to moderate income persons and families.

<u>Goal 3</u> – Maximize economic opportunity for all residents, with emphasis on low- to moderate income persons and families.

Policies:

- 3.1 Support the expansion of the agricultural business industry in Kearney County.
- 3.2 Ensure that all economic development activities be consistent with the Comprehensive Plan.
- 3.3 Target new businesses and industries capable of producing competitive incomes for the residents of Kearney County.
- 3.4 Promote cooperative economic development activities between the Communities and rural areas of the County. Coordinate efforts through County economic development groups and the Chamber of Commerce in each of the communities.
- 3.5 Expand and develop the hospitality, tourism and recreational industries in Kearney County.

PUBLIC FACILITIES

<u>Goal 1</u> - Plan, program and implement the most effective, safe and cost efficient infrastructure and public facilities systems throughout the rural county areas.

- 1.1 Prepare and adopt an annual Capital Improvement Program or Plan, which is consistent with the goals and policies of the Comprehensive Plan.
- 1.2 Recognize the need for and improve on intergovernmental and regional cooperation to reduce duplication of public facilities and services.
- 1.3 Maintain modern design standards and continued policies for public infrastructure improvements throughout the rural areas of Kearney County and the Villages of Heartwell and Norman.

<u>Goal 2</u> - Provide adequate, efficient and appropriate public utilities and services to both existing and future agricultural and residential areas.

Policies:

- 2.1 Maintain and improve existing public utilities and services on an as needed basis.
- 2.2 Provide facilities and services in rural Kearney County and the Villages of Heartwell and Norman, necessary to prevent degradation of the environment, including modern sewage treatment, refuse collection and disposal and similar environmental control processes as necessary. This includes the proper disposal of animal waste.
- 2.3 Ensure the rules and regulations governing safe drinking water and sewage treatment are adhered to.

<u>Goal 3</u> - Provide for the equitable distribution of public facilities to meet the cultural, educational, social, recreational, safety and health needs of the County.

- 3.1 Provide adequate public health, safety and crime prevention systems throughout the County.
- 3.2 Promote a social and cultural environment that provides an opportunity for all residents to experience, develop and share their values, abilities, ambitions and heritage.
- 3.3 Foster a public educational system capable of raising the County's overall educational level.
- 3.4 Develop and promote programs to educate the residents of Kearney County and visitors on the rich heritage and history of the region. Utilize current and future public and cultural facilities such as community libraries, Fort Kearney State Historical Park and Recreation Area, and the wildlife management areas.

- 3.5 Ensure the rules and regulations of the Americans with Disabilities Act are met at **all** public facilities.
- 3.6 Encourage the availability of all necessary services to youth and older adults in Kearney County.

TRANSPORTATION

<u>Goal 1 -</u> Provide a transportation system throughout the County and each community that enhances the safe and efficient movement of people, goods and services.

Policies:

- 1.1 Coordinate transportation systems with the planning and development of other elements of the County and each community, including other transportation means and public utilities and facilities.
- 1.2 Continue to develop County and Community road systems in accordance with the standard State of Nebraska functional street classifications.

PLAN MAINTENANCE AND IMPLEMENTATION

<u>Goal 1</u> - Maintain and utilize the Comprehensive Plan as the primary tool for making decisions regarding the physical development of rural, unincorporated Kearney County and the Villages of Heartwell and Norman.

- 1.1 Establish a review process for the Comprehensive Plan and associated Regulations, including Zoning and Subdivision Regulations.
- 1.2 Coordinate local groups and organizations to carry-out the Goals and Policies of this Comprehensive Plan.
- 1.3 Coordinate development and land use changes with local, County and State officials.

SECTION 3

Population, Income, Economic & Housing Profile.

SECTION 3 POPULATION, INCOME, ECONOMIC & HOUSING PROFILE

INTRODUCTION

Population, income, economic and housing trends in Kearney County serve as valuable indicators of future development needs and patterns for the County and provide a basis for the realistic projection of the future population. The quantity, location and density of demographic and housing features play an important role in shaping the details of various development plans to meet the County's needs.

The population trends & projections for the years 2000 through 2025 were studied and forecasted, utilizing a process of both trend analysis, U.S. Census population estimates and popular consent. **Kearney County is projected to increase in population during the next 10 years.** To meet this goal, the respective Communities will need to aggressively promote the development of a variety of housing types throughout the 10-year planning period in Kearney County.

GENERAL POPULATION TRENDS & PROJECTIONS

The analysis and projection of population are at the center of all planning decisions. This process assists in understanding important changes which have and will occur throughout the planning period.

Estimating population size is critical to a planning process. Further, projecting a county's population is extremely complex. Because projections are based on various assumptions about the future, projections must be carefully analyzed and continually re-evaluated due to an area's dynamic economic and social structure.

POPULATION

Tables 3.1 and 3.2 identify Census population estimates (2010-2013) and 10-year trends and projections for Kearney County and the Communities of Heartwell and Norman, from 2010 through 2025. County population estimate identify a growing population for Kearney County and the Balance of County, while the Communities of Heartwell and Norman have stable populations.

Currently (2015), Kearney County and the Balance of County have estimated total populations of 6,562 and 2,370, respectively. Both the County and Balance of County are projected to increase in population during the next 10 years, to an estimated 6,613, or by 0.7 percent for Kearney County and an estimated 2,408, or by 1.6 percent for the Balance of County. Heartwell and Norman are projected to decrease in population, but remain stable by 2025.

TABLE 3.1CENSUS POPULATION ESTIMATESKEARNEY COUNTY & COMMUNITIES, NEBRASKA2010-2013							
Kearney County:	<u>2010</u> 6,489	<u>2011</u> 6,562	<u>2012</u> 6,509	<u>2013</u> 6,548			
v v				-			
Heartwell:	71	72	71	71			
Norman:	43	43	43	43			
Balance of County:	2,368	2,381	2,349	2,364			
Source: 2010-2013 U.S. Census Estimates. Hanna:Keelan Associates, P.C., 2015.							

TABLE 3.2POPULATION TRENDS AND PROJECTIONSKEARNEY COUNTY & COMMUNITIES, NEBRASKA2000-2025

					% Change			
	<u>2000</u>	<u>2010</u>	$\underline{2015}$	<u>2025</u>	<u>2015-2025</u>			
Kearney County:	6,882	6,489	6,562	6,613	+0.7%			
Heartwell:	80	71	71	68	-4.2%			
Norman:	49	43	43	41	-4.6%			
Balance of County:	2,733	2,368	2,370	2,408	+1.6%			
Source: 2000, 2010 Census; 2010-2013 Census Estimates. Hanna:Keelan Associates, P.C., 2015.								

AGE DISTRIBUTION

✤ For planning purposes, the various cohorts of population are important indicators of the special needs of a community. The cohorts of age, sex and family structure can assist in determining potential labor force and the need for housing, public facilities and other important local services.

An analysis of age characteristics can be used to identify the potential need for public school, recreational areas and short- and long-term health care facilities.

★ Table 3.3 provides age distribution for Kearney County and the Communities of Heartwell and Norman, from 2000 to 2025. The County is projected to experience a net increase in population during the next 10 years of approximately 51 people. All population categories above 55 years are projected to experience population increases. This trend holds true for Heartwell, Norman and the Balance of County. The 55 to 64 age group is projected to experience the largest population increase in Kearney County, from 993 to 1,173, an estimated 180 people. The Balance of County 55+ population is projected to increase an estimated 116, or from 452 to 568.

In 2015, median age in Kearney County is projected to be 44.1 years. This median age is projected to increase to 47.9, or by 3.8 years by 2025. Median age is also projected to increase in Heartwell, Norman and the Balance of County.

TABLE 3.3 POPULATION AGE DISTRIBUTION TRENDS & PROJECTIONS KEARNEY COUNTY & COMMUNITIES, NEBRASKA 2000-2025								
<u>Kearney County</u>								
<u>age group</u>	<u>2000</u>	<u>2010</u>	<u>Change</u>	<u>2015</u>	<u>2025</u>	<u>Change</u>		
19 and Under	1,987	1,714	-273	1,699	1,621	-78		
20-34	1,066	925	-141	911	853	-58		
35-54	2,041	1,782	-259	1,740	1,669	-71		
55-64	641	881	+240	993	$1,\!173$	+180		
65-74	542	565	+23	$\boldsymbol{582}$	612	+30		
75-84	399	412	+13	425	459	+34		
<u>85+</u>	<u>206</u>	210	<u>+4</u>	$\underline{212}$	$\underline{232}$	<u>+20</u>		
TOTALS	6,882	6,489	-393	6,562	6,613	+51		
Median Age	38.7	43.3	+4.6	44.1	47.9	+3.8		
Heartwell								
age group	2000	2010	<u>Change</u>	<u>2015</u>	2025	<u>Change</u>		
19 and Under	$\frac{26}{26}$	$\frac{23}{23}$	-3	$\frac{22}{22}$	20	-2		
20-34	18	10	-8	10	8	-2		
35-54	18	19	+1	19	18	-1		
55-64	11	9	-2	8	8	+0		
65-74	3	9	+6	10	13	+3		
75-84	3	1	-2	1	1	+0		
85+	<u>1</u>	<u>0</u>	<u>-1</u>	<u>0</u>	<u>0</u>	<u>+0</u>		
TOTALS	80	$\overline{71}$	-9	$\overline{71}$	6 8	-3		
Median Age	30.5	37.8	+7.3	38.8	41.2	+2.4		
CONTINUED:								

TABLE 3.3 (CONTINUED) POPULATION AGE DISTRIBUTION TRENDS & PROJECTIONS									
KEARNEY CO			TES NEBRA	SKA					
2000-2025			IES, NEDIA						
Norman									
age group	<u>2000</u>	<u>2010</u>	<u>Change</u>	<u>2015</u>	<u>2025</u>	Change			
19 and Under	12	11	-1	10	7	-3			
20-34	7	2	-5	2	1	-1			
35-54	17	17	+0	16	15	-1			
55-64	4	4	+0	5	6	+1			
65-74	5	3	-2	2	3	+1			
75-84	3	4	+1	5	5	+0			
<u>85+</u>	<u>1</u>	<u>2</u>	<u>+1</u>	<u>3</u>	<u>4</u>	<u>+1</u>			
TOTALS	49	43	-6	43	41	-2			
Median Age	39.4	48.3	+8.9	49.9	54.4	+4.5			
Balance of Cou	<u>inty</u>								
<u>age group</u>	2000	<u>2010</u>	<u>Change</u>	<u>2015</u>	<u>2025</u>	Change			
19 and Under	802	617	-185	589	533	-56			
20-34	436	267	-169	250	197	-53			
35-54	905	714	-191	687	659	-28			
55-64	266	405	+139	$\boldsymbol{452}$	$\boldsymbol{568}$	+116			
65-74	202	224	+22	241	265	+24			
75-84	106	107	+1	112	130	+18			
<u>85+</u>	$\underline{16}$	<u>31</u>	<u>+15</u>	<u>39</u>	<u>56</u>	+17			
TOTALS	2,733	2,365	-368	2,370	2,408	+38			
Median Age	37.6	42.9	+5.3	43.6	47.2	+3.6			
Source: 2000, 2010 Hanna:Kee	Census elan Associates	s, P.C., 2015.							

HOUSEHOLD CHARACTERISTICS

★ Table 3.4 identifies specific household characteristics of Kearney County, from 2000 to 2025. The number of households in the County is projected to increase by an estimated 74 households, from 2015 to 2025. The Balance of County is projected to increase an estimated 36 households, from 2015 to 2025. During the next 10 years, persons per household is projected to decrease, slightly, in Kearney County, Heartwell, Norman and the Balance of County.

Group quarters consist of living quarters that are not considered a household, such as dormitories, nursing care centers and correctional facilities. Currently, an estimated 75 group quarters exist in Kearney County, but none in Heartwell, Norman or the Balance of County.

TABLE 3.4 SPECIFIC HOUSEHOLD CHARACTERISTICS KEARNEY COUNTY & COMMUNITIES, NEBRASKA 2000-2025

			Group	Persons in		Persons Per
	<u>Year</u>	<u>Population</u>	<u>Quarters</u>	<u>Households</u>	<u>Households</u>	<u>Household</u>
	2000	6,882	262	6,620	2,643	2.50
Kearney	2010	6,489	84	6,405	2,681	2.38
County:	2015	6,562	75	6,487	2,725	2.38
	2025	6,613	63	6,550	2,799	2.34
	2000	80	0	80	31	2.58
Heartwell:	2010	71	0	71	28	2.53
	2015	71	0	71	28	2.53
	2025	68	0	68	27	2.50
	2000	49	0	49	23	2.13
Norman:	2010	43	0	43	22	1.95
	2015	43	0	43	22	1.94
	2025	41	0	41	21	1.89
	2000	2,733	112	2,621	999	2.62
Balance of	2010	2,368	0	2,368	956	2.47
County:	2015	2,370	0	2,370	967	2.45
	2025	2,408	0	2,408	1,003	2.40
G 2000 201						
Source: 2000, 201		ciates, P.C., 2015.				
manna.N	ceran Asso	12005, 1.0., 2010.				

HOUSEHOLD TENURE

- ★ Table 3.5 identifies tenure by household for Kearney County, from 2000 to 2025. The County is currently (2015) comprised of an estimated 2,725 households, consisting of 2,054 owner units and 671 renter households. By 2025, owner households will account for an estimated 75.8 percent of the total households in Kearney County, resulting in 2,121 owner households and 678 renter households.
- ✤ By 2025, an estimated 799 owner and 204 renter households are projected to exist in the Balance of County. The Communities of Heartwell and Norman will remain stable in their respective number of owner and renter households, through 2025.

2000-2025		Total	Ow	ner	Ren	nter
	Year	Households	Number	Percent	Number	Percent
	2000	2,643	1,963	74.3%	680	25.7%
Kearney	2010	2,681	2,016	75.1%	665	24.9%
County:	2015	2,725	2,054	75.4%	671	24.6%
	2025	2,799	2,121	75.8%	678	24.2%
	2000	31	24	77.4%	7	22.6%
Heartwell:	2010	28	22	78.5%	6	21.5%
	2015	28	22	78.5%	6	$\mathbf{21.5\%}$
	2025	27	21	77.7%	6	32.3%
	2000	23	21	91.3%	2	8.7%
Norman:	2010	22	22	100.0%	0	0.0%
	2015	22	22	100.0%	0	0.0%
	2025	21	21	100.0%	0	0.0%
	2000	999	715	71.6%	284	28.4%
Balance of	2010	956	741	77.5%	215	22.5%
County:	2015	967	757	78.3%	210	21.7%
-	2025	1,003	799	79.7%	204	20.3%

HOUSEHOLD TENURE

✤ Table 3.6 identifies households by household size for Kearney County, as per the 2008-2012 American Community Survey. A majority of households in the County and the Balance of County consist of one and two persons.

TABLE 3.6 HOUSEHOLDS BY HOUSEHOLD SIZE KEARNEY COUNTY & COMMUNITIES, NEBRASKA 2012 ESTIMATE*								
	1	2	3	4	5	6	7+	
	Person	<u>Persons</u>	<u>Persons</u>	<u>Persons</u>	<u>Persons</u>	<u>Persons</u>	<u>Persons</u>	
Kearney County:	673	1,035	$\boldsymbol{272}$	335	151	115	5	
Heartwell:	8	8	9	3	13	5	0	
Norman:	12	4	5	8	0	0	0	
Balance of County:	163	411	45	114	85	71	2	
Source: 2008-2012 Amer	*2012 Estimate subject to margin of error. Source: 2008-2012 American Community Survey. Hanna:Keelan Associates, P.C., 2015.							

INCOME TRENDS <u>& PROJECTIONS</u>

MEDIAN HOUSEHOLD INCOME

★ Table 3.7 identifies median household income for Kearney County, Nebraska, from 2000 to 2025. Currently, median income in Kearney County was projected at \$57,148. Median income in the County is projected to increase by an estimated 21 percent to \$69,225, by 2025. Median income in the Balance of County and the Communities of Heartwell and Norman are also projected to increase during the next 10 years.

TABLE 3.7 AREA MEDIAN INCOME – TRENDS & PROJECTIONS KEARNEY COUNTY & COMMUNITIES, NEBRASKA 2000-2025						
2000-2025	2000	2012 Est.*	2015	2025		
Kearney County:	\$39,274	\$54,485	57,148	\$69,225		
Heartwell:	\$35,714	\$55,000	\$57,430	\$67,642		
Norman:	\$31,250	\$29,375	\$30,788	\$38,291		
Balance of County:	\$44,638	\$59,383	\$63,655	\$73,616		
*2012 Estimate Subject to margin of error. NOTE: Four-Person Household, 100% Area Median Income - \$ Source: 2000 Census, 2008-2012 American Community Survey Hanna:Keelan Associates, P.C., 2015.						

PER CAPITA INCOME

★ Table 3.8 identifies per capita income for Kearney County and the State of Nebraska, from 2002 to 2025. Per capita income is equal to the gross income of an area (State, County, City, Village) divided equally between the residents of the area. In 2015, per capita income in Kearney County is an estimated \$58,770. By 2025, per capita income will increase in the County an estimated 18 percent, to \$69,375.

TABLE 3.8							
PER CAPITA INCOME							
KEARNEY COUNTY, NEBRASKA / STATE OF NEBRASKA							
2002-2025							
	Kearney Co	Kearney County		State of Nebraska			
	Per Capita	Percent	Per Capita	Percent			
<u>Year</u>	Income	<u>Change</u>	Income	<u>Change</u>			
2002	\$28,040		\$30,314				
2003	\$32,532	+16.0%	\$32,126	+6.0%			
2004	\$33,374	+2.6%	\$33,265	+3.5%			
2005	\$33,014	-1.0%	\$34,318	+3.2%			
2006	\$31,633	-4.2%	\$35,679	+4.0%			
2007	\$37,209	+17.6%	\$37,887	+6.2%			
2008	\$44,942	+20.8%	\$40,396	+6.6%			
2009	\$43,038	-4.2%	\$38,438	-4.8%			
2010	\$45,122	+4.8%	\$39,445	+2.6%			
2011	\$53,989	+19.6%	\$42,450	+7.6%			
2015	\$58,770	+8.8%	\$47,738	+12.5%			
2002-2015	\$28,040-\$58,770	+109.6%	\$28,598-\$47,738	+66.9%			
2015-2025	\$58,770-\$69,375	+18.0%	\$47,738-\$58,379	+22.3%			
Source: Bureau of Economic Analysis, Regional Economic Information System, 2015.							
Nebraska Department of Economic Development, 2015.							
Hanna:Keelan Associates, P.C., 2015.							

SOCIAL SECURITY INCOME

★ Table 3.9 identifies the number of persons receiving Social Security Income (SSI) and/or Supplemental Security Income in Kearney County. A total of 1,270 persons received Social Security Income in Kearney County, in 2012. Of this total, 79.1 percent, or 1,005 persons were aged 65 or older.

TABLE 3.9						
PERSONS RECEIVING SOCIAL SECURITY INCOME						
KEARNEY COUNTY, NEBRASKA						
2012						
Social Security Income-2012	<u>Number of Beneficiaries</u>					
Retirement Benefits						
Retired Workers	880					
Wives & Husbands	70					
Children	15					
<u>Survivor Benefits</u>						
Widows & Widowers	110					
Children	60					
Disability Benefits						
Disabled Persons	110					
Wives & Husbands	0					
Children	25					
TOTAL	1,270					
Aged 65 & Older						
Men	425					
Women	580					
TOTAL	1,005					
Supplemental Security Income-2012	<u>Number of Beneficiaries</u>					
Aged 65 or Older	N/A					
Blind and Disabled	N/A					
TOTAL	N/A					
N/A = Not Available.						
Source: Department of Health and Human Services,						
Social Security Administration, 2015.						
Hanna:Keelan Associates, P.C., 2015.						

EMPLOYMENT & ECONOMIC TRENDS

The most recent and comprehensive employment data available for Kearney County was obtained from the Nebraska Department of Labor. Since some of these figures are only available County-Wide, a review and analysis of Kearney County labor force statistics is also included to provide a general understanding of the economic activity occurring in and around the County.

EMPLOYMENT DATA

★ Table 3.10 identifies employment data trends & projections for Kearney County, Nebraska, from 2004 through 2025. In 2015, Kearney County is estimated to have 3,576 employed persons with an estimated unemployment rate of 2.9 percent. By 2025, employed persons in the County are estimated to increase by 66 persons, or by 1.8 percent. The unemployment rate is projected at approximately 2.7 percent.

TABLE 3.10							
EMPLOYMENT DATA TRENDS AND PROJECTIONS							
KEARNEY COUNTY, NEBRASKA							
2004-2025			D (
Year	Number of	Percent					
<u>1ear</u>	Employed Persons	<u>Change</u>	<u>Unemployed</u>				
2004	3,821		2.9%				
2005	3,870	+49	2.9%				
2006	3,795	+75	2.3%				
2007	3,736	-59	2.2%				
2008	3,739	+3	2.7%				
2009	3,494	-245	3.9%				
2010	$3,\!549$	+95	3.6%				
2011	3,601	+52	2.5%				
2012	3,568	-33	3.0%				
2013	3,653	+85	2.5%				
2015*	3,576	-77	2.9%				
<u>2025</u>	<u>3,642</u>	<u>+66</u>	2.7%				
2004-2025	3,821-3,642	-179	2.9%-2.7%				
*Department of Labor Estimate: June, 2015.							
Source: Nebraska Department of Labor, 2015.							
Hanna:Keelan Associates, P.C., 2015.							

TRAVEL TIME TO WORK

★ Table 3.11 illustrates the travel time to work for residents of Kearney County, in 2012. Approximately 2,041 (60 percent) of the employed residents of Kearney County traveled less than 20 minutes to work or worked at home, while approximately 801 residents traveled 30 minutes or more.

In rural Kearney County, approximately 612, or 57.7 percent of employed residents traveled less than 20 minutes to work or worked from home. A majority of Heartwell residents traveled less than 20 minutes to work, while a majority of Norman residents traveled 30 minutes or more.

TABLE 3.11 TRAVEL TIME TO WORK KEARNEY COUNTY & COMMUNITIES, NEBRASKA 2012 ESTIMATE*								
Kearney County:	9 Minutes <u>or Less</u> 1,182	10-19 <u>Minutes</u> 859	20-29 <u>Minutes</u> 560	30-39 <u>Minutes</u> 571	40 Minutes <u>or More</u> 230			
Heartwell:	6	33	7	42	2			
Norman:	0	7	0	10	5			
Balance of County:	Balance of County: 209 403 208 181 60							
*2012 Estimate subject t Source: 2008-2012 Amer Hanna:Keelan A	rican Communit	y Survey.						

CIVILIAN LABOR FORCE

★ Table 3.12 identifies workforce employment by type, in Kearney County, Nebraska, from 2012 to 2014. Non-farm employment, in Kearney County, increased by an estimated 8.1 percent, from 2012 to 2014. The only employment sectors experiencing a decrease were the Federal Government and Professional & Business sectors. The largest increases were experienced in the Other Services, Natural Resources & Construction and Retail Trade sectors.

TABLE 3.12 WORKFORCE EMPLOYMENT KEARNEY COUNTY, NEBRAS 2012-2014				
<u>Workforce</u> Non-Farm Employment (Wage and Salary)	<u>2012</u> 2,085	<u>2013</u> 2,201	<u>2014</u> 2,254	% Change <u>2012-2014</u> +8.1%
Goods Producing	434	459	468	+7.8%
Manufacturing	317	358	327	+3.2%
Natural Resources & Const.**	116	101	141	+21.5%
Service Providing	1,651	1,742	1,786	+8.2%
Trade, Trans, Ware, Util***	353	372	415	+17.5%
Total Trade	323	333	382	+18.2%
Wholesale Trade	210	211	246	+17.1%
Retail Trade	114	122	136	+19.3%
Information	*	*	*	*
Financial Activities	86	81	96	+11.6%
Professional & Business	45	41	37	-17.8%
Education & Health	*	*	*	*
Leisure & Hospitality	129	130	135	+4.6%
Other Services	50	66	87	+74.0%
Total Government	497	537	503	+1.2%
Federal	31	23	30	-3.2%
State	14	13	14	+0.0%
Local	452	501	459	+1.5%

* Data not available because of disclosure suppression.

** Natural Resources & Construction.

*** Trade, Transportation, Warehousing & Utilities.

Source: Nebraska Department of Labor, Labor Market Information, 2015. Hanna:Keelan Associates, P.C., 2015.

HOUSING STOCK & CONDITIONS

The Housing Stock & Conditions Section of this Comprehensive Plan -Update presents information that will assist in the determination of the housing demand for Kearney County, the Villages of Heartwell and Norman and the rural County. Included in this analysis is a review of the current housing stock, substandard housing, occupancy and vacancy status and the cost of housing.

HOUSING CONDITIONS, SUBSTANDARD HOUSING

★ Table 3.13 identifies units in structure for housing units in Kearney County, for 2000 and 2012. A total of 2,899 are estimated to currently exist in Kearney County, with a majority consisting of a single unit. The same majority holds true for the Balance of County and the Communities of Heartwell and Norman. The County, as a whole, and the Balance of County experienced an increase in "other" housing structures, which includes mobile homes, vans, RVs, etc.

		<u>Number o</u>	of Units			
		<u>1 unit</u>	<u>2-9 units</u>	<u>10+ units</u>	Other**	<u>Total</u>
Kearney County:	2000 2012	2,505 2,440	112 76	14 87	215 296	2,846 2,899
Heartwell:	$\begin{array}{c} 2000\\ 2012 \end{array}$	36 53	$\begin{array}{c} 0 \\ 3 \end{array}$	0 0	$2 \\ 1$	$\frac{38}{57}$
Norman:	$\begin{array}{c} 2000\\ 2012 \end{array}$	$\begin{array}{c} 20\\ 22 \end{array}$	0 0	0 0	5 7	$\frac{25}{29}$
Balance of County:	$2000 \\ 2012$	$\begin{array}{c} 951 \\ 923 \end{array}$	$\frac{6}{12}$	0 0	$\begin{array}{c} 121 \\ 155 \end{array}$	1,078 1,090

HOUSING CONDITIONS, SUBSTANDARD HOUSING

- ★ Table 3.14 identifies substandard housing in Kearney County, in 2012. Substandard housing, as defined by HUD, as per the 2000 Census, included (1) housing units lacking complete plumbing and (2) housing units with 1.01+ persons per room. Table 3.15 identifies the general condition of housing, in Kearney County and rural Kearney County, in 2000, as per this definition.
- ☆ As of the 2008-2012 American Community Survey, in Kearney County, five housing units lacked complete plumbing, while 41 housing units were overcrowded. In the Balance of County, no housing units lacked complete plumbing while 22 housing units were overcrowded.

TABLE 3.14 HOUSING STOCK PROFILE DEFINING SUBSTANDARD HOUSING – HUD KEARNEY COUNTY & COMMUNITIES, NEBRASKA 2012 ESTIMATE* Complete Lack of Complete

		Complete Plumbing		Lack of Complete Plumbing		Units wi Persons p				
	<u>Total</u>	<u>Number</u>	% of <u>Total</u>	<u>Number</u>	% of <u>Total</u>	<u>Number</u>	% of <u>Total</u>			
Kearney County:	2,586	2,581	99.8%	5	0.2%	41	1.6%			
Heartwell:	48	43	89.6%	5	10.4%	5	10.4%			
Norman:	29	29	100.0%	0	0.0%	0	0.0%			
Balance of County:	891	891	100.0%	0	0.0%	22	2.5%			
Source: 2008-2012 Amer	Balance of County: 891 891 100.0% 0 0.0% 22 2.5% *2012 Estimate subject to margin of error. Source: 2008-2012 American Community Survey. Hanna:Keelan Associates, P.C., 2015.									

HOUSING UNITS BUILT

Table 3.15, Page 3.17 profiles the estimated housing units built for Kearney County, as of 2012. An estimated 2,899 housing units exist in Kearney County for 2012, of which approximately 1,090 are located in the Balance of County. Approximately 33.4 percent of all housing units in Kearney County and 30.5 percent of all housing units in rural Kearney County were constructed on or prior to 1939.

TABLE 3.15		
HOUSING STOCK PROFILE/YEA		
KEARNEY COUNTY & COMMUN	ITIES, NEBRA	SKA
2012 ESTIMATE*		
	Kearney	
Year	County	<u>Heartwell</u>
2010 to 2012	12	0
2000 to 2009	122	0
1990 to 1999	287	1
1980 to 1989	256	0
1970 to 1979	524	3
1960 to 1969	322	15
1950 to 1959	284	0
1940 to 1949	123	10
<u>1939 or Before</u>	<u>969</u>	$\underline{28}$
TOTAL EST. UNITS – 2015	2,899	57
% 1939 or Before	33.4%	49.1%
% 1959 or Before	47.4%	66.7%
		Balance of
Year	Norman	County
2010 to 2012	0	<u>12</u>
2000 to 2009	$\overset{\circ}{0}$	85
1990 to 1999	8	138
1980 to 1989	2	109
1970 to 1979	5	228
1960 to 1969	4	86
1950 to 1959	4	62
1940 to 1949	0	38
<u>1939 or Before</u>	<u>6</u>	332
TOTAL EST. UNITS – 2015	29	1,090
% 1939 or Before	20.6%	30.5%
% 1959 or Before	34.5%	39.6%
N/A = Not Available. *2012 Estimate subject to margin of error. Source: 2008-2012 American Community Su Hanna:Keelan Associates, P.C., 2018	•	

OWNER & RENTER HOUSING COSTS

The cost of housing in any county or community is influenced by many factors, primarily the cost of construction, availability of land and infrastructure and, lastly, the organizational capacity of the County and Communities to tie these housing opportunities into an applicable format and secure the appropriate resources. Kearney County is challenged to organize needed resources to meet the needs of their residents, including both financial, as well as, organizational resources. A continued effort to upgrade wages, at both existing and new employment settings, should be a top priority.

GROSS RENT & HOUSING VALUE

- ★ Table 3.16, Page 3.19, identifies gross rent for Kearney County, Nebraska, from 2000 to 2025. In 2015, the estimated median gross rent for Kearney County is \$639. The estimated median gross rent, in Kearney County, is expected to increase by an estimated 16.4 percent, to \$744, by 2025. Median gross rent is also projected to increase in Heartwell and the Balance of County.
- ★ Table 3.17, Page 3.20, identifies owner occupied housing values for Kearney County, from 2000 to 2025. The median housing value, in Kearney County, estimated to be \$101,600 for 2015, will increase by an estimated 24.4 percent, to \$126,400, by 2025. Housing values are projected to increase in the Balance of County and the Communities of Heartwell and Norman.

TABLE 3.16
GROSS RENT
KEARNEY COUNTY & COMMUNITIES, NEBRASKA
2000-2025

		Less <u>than \$300</u>	\$300 to <u>\$499</u>	\$500 to <u>\$699</u>	\$700 or <u>More</u>	<u>Total</u>
	2000	185	247	158	29	619
	2000 Median Rent	\$453				
Kearney	2012 Est.*	120	99	187	160	566
County:	2012 Med. Rent*	\$595				
	2015	\$639				
	2025	\$744				
	2000	3	6	0	0	9
	2000 Median Rent	\$413				
Heartwell:	2012 Est.*	0	0	7	17	24
	2012 Med. Rent*	\$715				
	2015	\$728				
	2025	\$795				
	2000	3	0	0	0	3
	2000 Median Rent	\$0				
Norman:	2012 Est.*	0	0	0	0	0
	2012 Med. Rent*	\$0				
	2015	\$0				
	2025	\$0				
	2000	108	60	47	12	227
	2000 Median Rent	\$330				
Balance of	2012 Est.*	85	10	29	30	154
County:	2012 Med. Rent*	\$341				
	2015	\$348				
	2025	\$372				
Source: 2008-2012	bject to margin of error. American Community Surve selan Associates, P.C., 2015.	у.				

TABLE 3.17 OWNER OCCUPIED HOUSING VALUE KEARNEY COUNTY & COMMUNITIES, NEBRASKA 2000-2025

	2000	Less than <u>\$50,000</u> 331	\$50,000 to <u>\$99,999</u> 739	\$100,000 to <u>\$149,999</u> 296	\$150,000 to <u>\$199,999</u> 95	\$200,000 or <u>More</u> 61	<u>Total</u> 1,522
Kearney County:	2000 Med. Val. 2012* 2012 Med. Val.* 2015 2025	\$77,600 341 \$98,700 \$101,600 \$126,400	687	455	234	303	2,020
	2000 2000 Med. Val.	21 \$30,800	0	0	0	0	21
Heartwell:	2012* 2012 Med. Val.* 2015 2025	14 \$35,000 \$37,100 \$42,900	10	0	0	0	24
	2000 2000 Med. Val.	13 \$15,600	2	0	0	0	15
Norman:	2012* 2012 Med. Val.* 2015 2025	12 \$58,300 \$60,200 \$65,800	3	14	0	0	29
	2000 2000 Med. Val.	51 \$103,300	125	114	45	32	367
Balance of County:	2012* 2012 Med. Val.* 2015 2025	99 \$146,500 \$151,200 \$178,600	118	163	114	243	737
Source: 2008-201	subject to margin of error 2 American Community Xeelan Associates, P.C., 2	Survey.					

SECTION 4

Land Use Profile & Plan.

SECTION 4 LAND USE PROFILE & PLAN

INTRODUCTION

The following Section is an update to the Land Use Plan presented in the 2000 Kearney County Comprehensive Plan. Detailed components from the original Plan associated with the natural environment, including soils, watersheds, wetlands and ground water for the Planning Jurisdiction remain in the same configurations. This Update focuses on the analysis of existing and future land uses.

DEVELOPMENT ISSUES

The objective of the **2000 Comprehensive Plan** was to protect agricultural lands for agricultural use and, where appropriate, provide for the potential development of intensive agricultural uses and/or non-farm rural dwellings. The consensus of the Kearney County Planning Commission was that the future of the County was reliant on both of these issues for continued economic prosperity. The Challenge was to balance agricultural expansion with rural residential development.

The Kearney County Planning Commission wanted to evaluate the effectiveness of the 2000-2010 Land Use Plan. The original Plan was developed to preserve and protect the sensitive lands associated with the Platte River corridor along the northern border of the County, and Sand Creek in the east-central portion of the County. The Commission also chose to limit non-farm rural dwellings from developing in concentrated agricultural production areas in the southern two-thirds of Kearney County. These priorities were addressed by promoting higher residential densities in the one-mile planning jurisdictions of Kearney County Communities, specifically within the Corporate Limits of Heartwell and Norman. This would allow for the potential expansion of existing or development of new intensive agricultural and livestock confinement facilities in the undeveloped, rural portions of By examining development trends between 2000 and the County. 2014, the Planning Commission would be able to determine if revisions were needed to the **2015-2025 Land Use Plan**.

The focus of the planning process for this **Comprehensive Plan-Update** was to determine if the provisions of the **2000 Land Use Plan** were successful in preventing the encroachment of incompatible uses within agricultural production areas.

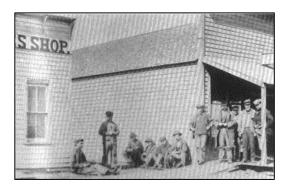
The 2015 evaluation of population (Section 3) is based upon the 2000 and 2010 Censuses, the 2008-2012 American Community Survey and information obtained from State and Federal sources. The total Kearney County population, from 2000 to 2010, declined from 6,882 to 6,489, or by 393. The trend of declining population occurred throughout rural Kearney County and the Villages of Heartwell and Norman. Population projections, from 2015 to 2025, identify a population increase for the County and Balance of County. The Communities of Heartwell and Norman are projected to decrease, slightly, but remain stable, through 2025.

The 2000-2010 Comprehensive Plan established goals and supported zoning regulations that were intended to guide the development of rural dwellings. The Land Use Plan and Zoning Regulations were also developed to giude non-farm rural dwellings to locate within the Planning Jurisdictions of Kearney County Communities.

A review of Census information pertaining to the Housing Stock Profile, between 2000 and 2012, indicate that 97 houses were constructed in rural Kearney County. Further examination within this **Comprehensive Plan-Update** indicates the majority of the new houses were built on family owned farm land, rather than in rural subdivisions.



Village of Heartwell, circa 1920



Village of Norman, late 1800s

EXISTING LAND USE ANALYSIS

The Existing Land Use Map, Illustration 4.1, serves as the basis for establishing the new Land Use Plan. The Existing Land Use Map highlights the impact of concentrations of rural dwellings and intensive agricultural facilities and production areas throughout the County. The impact of residential development on the production of crops and the raising of livestock can be evaluated by the Nebraska Agricultural Census for Kearney County.

EXISTING LAND USES

As identified in the **Existing Land Use Map**, the most prolific rural land use in Kearney County is irrigated cropland, which is generally situated in the west half of the County and in a narrow band along the southern banks of the Platte River. Dry land crop production is concentrated in areas throughout the eastern portion of the County.

RURAL RESIDENTIAL DEVELOPMENT

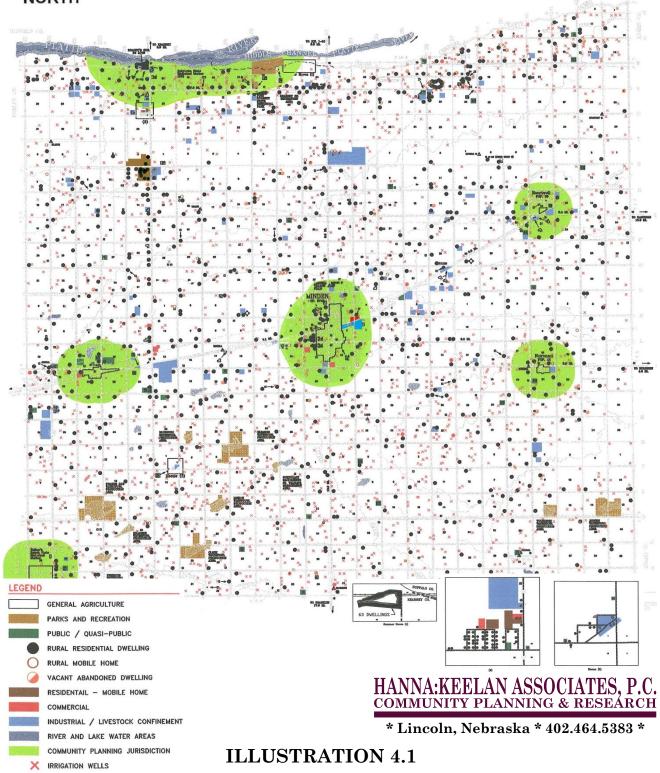
The Existing Land Use Map, Illustration 4.1, indicates rural dwellings are generally located throughout the County, but are also congregated in larger numbers in close proximity to the municipalities of Kearney County. Residential subdivisions exist along hard surfaced highway corridors in the northern portion of the County. Development is more limited in the western portion of the County, where the topography and terrain are much more restrictive to agricultural crop production.

Throughout the initial phases of this **Comprehensive Plan-Update**, the Kearney County Planning Commission addressed incentives put in place through the **2000-2010 Comprehensive Plan** in terms of how the County can be successful in attracting non-farm single family dwellings to be constructed within targeted rural residential areas.

The updated **Existing Land Use Map** illustrates that there was a growing trend for non-farm single family dwellings to be attracted to hard surfaced Highway corridors in the northern portion of the County. Additionally, new houses constructed in the agricultural production areas of the County were relatives of farmers in these areas that wanted to build new homes on or near the "family" farming operations.



EXISTING LAND USE MAP kearney county, nebraska



4.4

• PUBLIC AND RECREATIONAL USES.

Public/quasi-public land uses, such as churches, cemeteries and rural utility substations are scattered throughout Kearney County. **Rural parks and recreation land uses** include Awarii Dunes Golf Course, Fort Kearney State Historic Park and Fort Kearney State Recreational Area.

Several Waterfowl Production Areas are concentrated in the southwestern portion of the County, within natural wetlands and manmade ponds. Only a few Wildlife Management Areas, such as the Northeast Sacramento State Recreation Area, exist in Kearney County.

• COMMERCIAL AND INDUSTRIAL USES.

Commercial and **industrial land uses** are generally located in the designated Planning Jurisdictions of Kearney County Communities. The one industrial facility in the rural County is the ethanol facility between Axtell and Minden at the intersection of Highways 6/34 and 44. Rural livestock facilities are identified as "intensive agricultural" uses on the **Existing Land Use Map** and are located throughout the County.



Ethanol Facility, junction of Highways 6/34 and 44

AGRICULTURAL PRODUCTION STATISTICS

NUMBER AND SIZE OF FARMS

The development of new, smaller scale, farms and decline of existing large scale farms has been the trend in Kearney County over the last 10 years. Statistics included in the Nebraska Census of Agriculture are released every five years; the latest being 2012.

The number and size of farms, identified in **Table 4.1**, indicates that the number farms in the "1 to 9", "10 to 49" acre categories increased by 23 farms during the 10 year period, while the remaining categories declined by a combined total of 91 farms. Overall, the total number of farms declined by 16.5 percent, or by 68 farms. The average farm size has increased by 50 acres, from 804 acres in 2002 to 854 acres as of 2012. The decline in total crop land between 2002 and 2012 in contrast to the overall decline of 68 total farms, leads to the conclusion that farms in Kearney County are consolidating and growing in size.

TABLE 4.1					
FARMS BY SIZE					
KEARNEY COUNTY, N	IEBRASK A	A			
2002 - 2012					
				% Change	% Change
Size	<u>2002</u>	<u>2007</u>	<u>2012</u>	<u>2002 - 2007</u>	<u>2002 - 2012</u>
1 to 9 Acres	11	23	25	+109.1%	+127.3%
10 to 49 Acres	18	27	27	+50.0%	+50.0%
50 to 179 Acres	52	52	47	0.0%	-9.6%
180 to 499 Acres	83	65	52	-21.7%	-37.4%
500 to 999 Acres	119	84	79	-29.4%	-33.6%
1,000 to Acres or More	129	<u>130</u>	<u>114</u>	+0.8%	<u>-11.6%</u>
Total Farms	412	381	344	-7.5%	-16.5%
Total Crop Land	280,460	$272,\!177$	242,767	-3.0%	-13.4%
Land in Farms	331,283	324,218	293,608	-2.1%	-11.4%
Average Farm Size	804	851	854	+5.9%	+6.2%
Median Farm Size	702	657	640	-6.4%	-8.8%
Source: Nebraska Census of Hanna:Keelan Associ	• ·	-	2012.		

CROP PRODUCTION TRENDS

Table 4.2 identifies the **status of crop production** in Kearney County from 2002 to 2012, while **Illustration 4.2** depicts Land Use by a comparison of irrigated to non-irrigated crop production. The total number of farms that harvested crops decreased by 74, or 20.2 percent from 2002 to 2012.

During the period 2002 to 2012, the number of farms with irrigated cropland decreased by 20.8 percent, or by 67. Total acres of irrigated cropland decreased by 21,291 acres, or 9.9 percent. This trend indicates that farms with irrigated crop lands are increasing in size in spite of their total number of farms declining.

TABLE 4.2STATUS OF CROP PRODUCTIONKEARNEY COUNTY, NEBRASKA2002 - 2012

	<u>2002</u>	<u>2007</u>	<u>2012</u>	% Change <u>2002 - 2007</u>	% Change <u>2002 - 2012</u>
HARVESTED CROP LAND					
Farms	367	319	293	-13.1%	-20.2%
Acres	263,304	258,853	238,034	-1.7%	-9.6%
IRRIGATED CROP LAND					
Farms	322	283	255	-12.1%	-20.8%
Acres	<u>215,838</u>	215,336	<u>194,547</u>	<u>-0.2%</u>	<u>-9.9%</u>
TOTAL CROP LAND					
Farms	383	337	304	-12.0%	-20.6%
Acres	280,460	$272,\!177$	242,767	-3.0%	-13.4%

Hanna:Keelan Associates, P.C., 2015.



EXISTING CROP PRODUCTION MAP KEARNEY COUNTY, NEBRASKA

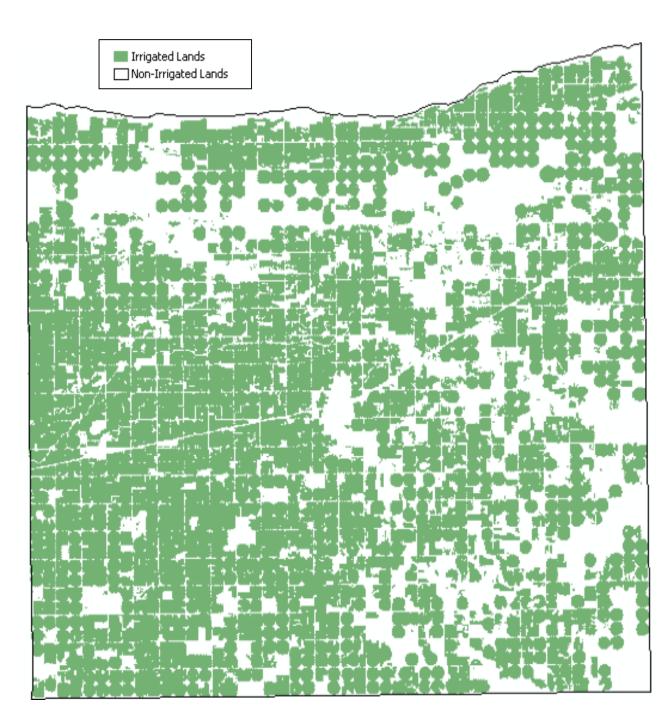


ILLUSTRATION 4.2

HANNA: KEELAN ASSOCIATES, P.C. COMMUNITY PLANNING & RESEARCH

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Table 4.3 identifies **harvested crops by type** in Kearney County, from 2002 to 2012. As of 2012, "Corn for Grain or Seed" was the primary crop in the County, accounting for 144,664 acres, or approximately 61 percent of the total County area. Production and harvest of "Corn for Grain or Seed" has declined by nearly four percent between 2002 and 2012.

The production of "Soybeans for Beans" is the second largest crop grown in the County, which declined by 14.9 percent during the same period 2002 to 2012. Sorghum grown for grain or seed has declined at the highest percentage of any harvested crop in the County, by 79.6 percent. "Soybeans for Beans" declined by the largest amount of acres produced, 13,143 acres, between 2002 and 2012.

TABLE 4.3 HARVESTED CROPS BY TYPE KEARNEY COUNTY, NEBRASKA 2002-2012

	Produ	action in A	% Change	% Change					
CROP BY TYPE	<u>2002</u>	<u>2007</u>	<u>2012</u>	<u>2002-2007</u>	<u>2002-2012</u>				
Corn for Grain or Seed	150,274	$168,\!243$	$144,\!664$	+12.0%	-3.7%				
Corn for Silage or Green Chop	6,318	3,697	3,951	-41.5%	-37.5%				
Sorghum for Grain or Seed	2,210	605	452	-72.6%	-79.6%				
Wheat for Grain	8,394	15,438	6,533	+83.9%	-22.2%				
Oats for Grain	(D)	N/A	N/A	N/A	N/A				
Soybeans for Beans	88,338	66,117	75,195	-25.2%	-14.9%				
Hay-alfalfa, Other Wild, Silage	9,048	6,834	4,898	-24.5%	-45.9%				
Notes: (D) = suppressed information.	Notes: (D) = suppressed information.								
N/A = information not available.									
Source: Nebraska Census of Agricultur	e, 2002, 2007	' & 2012.							
Hanna:Keelan Associates, P.C.	, 2015.								

LIVESTOCK PRODUCTION TRENDS

Table 4.4 identifies **livestock production trends** from 2002 through 2012. During this period, the total number of livestock producing farms declined in each of the Livestock categories, with the exception of "Sheep and Lambs" which increased by three farms. Farms producing cattle

The largest decline in livestock production occurred in the number of farms raising Hogs and Pigs, which declined by 8 farms, or 50 percent. The total number of Hogs and Pigs also declined from 11,469 in 2002 to 3,625 in 2012, a decrease of nearly 68.4 percent.

TABLE 4.4 LIVESTOCK PRODUCTION TRENDS									
KEARNEY COUNTY, NEBRASKA									
2002 - 2012									
Total Farms / Total Animals									
				% Change	% Change				
Size	<u>2002</u>	<u>2007</u>	<u>2012</u>	<u> 2002 - 2007</u>	<u> 2002 - 2012</u>				
Cattle/Calves	179 / 82,320	155 / 81,255	137 / 81,374	-13.4% / -1.3%	-23.5% / -1.2%				
Beef Cows	144 / D	124 / D	106 / D	-13.9% / D	-26.4% / D				
Milk Cows	4 / D	4 / D	1 / D	0.0% / D	-75.0% / D				
Hogs and Pigs	16 / 11,469	14 / 5,458	8 / 3,625	-12.5% / -52.4%	-50.0% / -68.4%				
Sheep and Lambs	4 / D	12 / 586	7 / 424	+200.0% / D	+75.0% / D				
(D) = suppressed infor *Farms less than 180		not included in t	his analysis.						

Source: Nebraska Census of Agriculture, 2002, 2007 & 2012.

Hanna:Keelan Associates, P.C., 2015



SUMMARY OF AGRICULTURAL STATISTICS

The review of agricultural statistics indicated that the total number of acres occupied by crop-producing farms and the number of livestock raised in Kearney County have both declined between 2002 and 2012.

VILLAGES OF HEARTWELL AND NORMAN.

The Villages of Heartwell and Norman are the only municipalities that consolidated their planning and zoning efforts with the Kearney County Planning Commission. The Village Boards of Heartwell and Norman will have final determination of planning and zoning issues, as opposed to the County Board of Supervisors.

The Village of Heartwell is located on the north side of Highway 6/34 in the eastern portion of the County, three miles from the Adams County line. Heartwell has an estimated 2015 population of 71. Cargill is currently building a large grain facility on the eastern edge of the Community, expanding the industrial base of the Village. Heartwell retains a much of its original Downtown commercial area, including a Post Office and new Community Center, although several storefronts are vacant and abandoned. Single family houses and mobile homes occupy the majority of the Community.

The **Village of Norman** has an estimated 2015 population of 43 persons and is located on the south side of Highway 74, six miles south of Heartwell and seven miles east of Minden. The Village is comprised of single family houses and mobile homes, and has significantly more industrial businesses than commercial. Nearly all of the original downtown commercial uses are now abandoned.

Existing Land Use Maps for each Village are highlighted in **Illustrations 4.3 and 4.4**.



Heartwell, Nebraska



Norman, Nebraska



EXISTING LAND USE MAP HEARTWELL, NEBRASKA

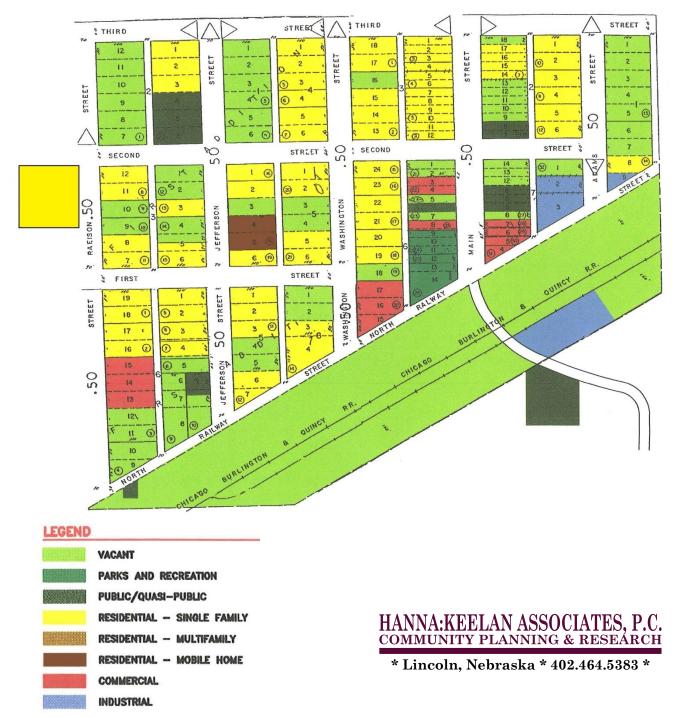


ILLUSTRATION 4.3

4.12



EXISTING LAND USE MAP

NORMAN, NEBRASKA



LEGEND				
	VACANT			
	PARKS AND RECREATION			
	PUBLIC/QUASI-PUBLIC			
	RESIDENTIAL - SINGLE FAMILY			
	RESIDENTIAL - MULTIFAMILY			
	RESIDENTIAL - MOBILE HOME			
	COMMERCIAL			
	INDUSTRIAL			



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ILLUSTRATION 4.4

Kearney County, Nebraska Comprehensive Plan-Update - 2025.

FUTURE RURAL LAND USE ANALYSIS

Illustration 4.5 identifies the **Future Land Use Map** for Kearney County. The primary hard-surfaced County Roads and State Highways were reviewed to determine the potential impact of rural development adjacent these Corridors. The conclusion of the Planning Commission was that agricultural residential land uses, in addition to being in close proximity to Kearney County Communities should also be promoted along the highway corridors in central and southern portion of the County.

GENERAL AGRICULTURAL AREAS

The **Kearney County Comprehensive Plan** focused on evaluating the effectiveness of policies that were intended to preserve and protect agricultural production areas by controlling the development of nonfarm dwellings.

Significant agricultural production lands are identified in the **Future Land Use Map** as "general agricultural areas." These areas continue to be preserved and protected from unnecessary encroachment of residential, commercial or industrial development. Irrigated cropland comprises the majority of rural areas in the west half of the County, while dryland production occurs more frequently in the east half. Irrigated crop production is also concentrated along the northern boundary of Kearney County, with a predominate region of dryland production ranging from one to six miles wide to the south of State Spur L50A. These dryland areas also have a higher concentration of pasture lands or hay fields located on moderate to steep slopes. Dryland or irrigated crop production areas tend to be located in areas having rolling or terraced hills.

Commercial scale wind turbines, developed singularly or as large "Wind Farms," were also discussed by the Planning Commission. These facilities could potentially be allowed as a Special Use (Zoning) Permit and required to be in compliance with the Kearney County Zoning Regulations. Primary areas anticipated to be considered for development are the rural (general agricultural) regions of Kearney County. Large or commercial scale wind turbines are anticipated to be attracted to higher elevations and ridge lines associated with the Little Blue River Valley and upper "plains" in the southern portions of the County.

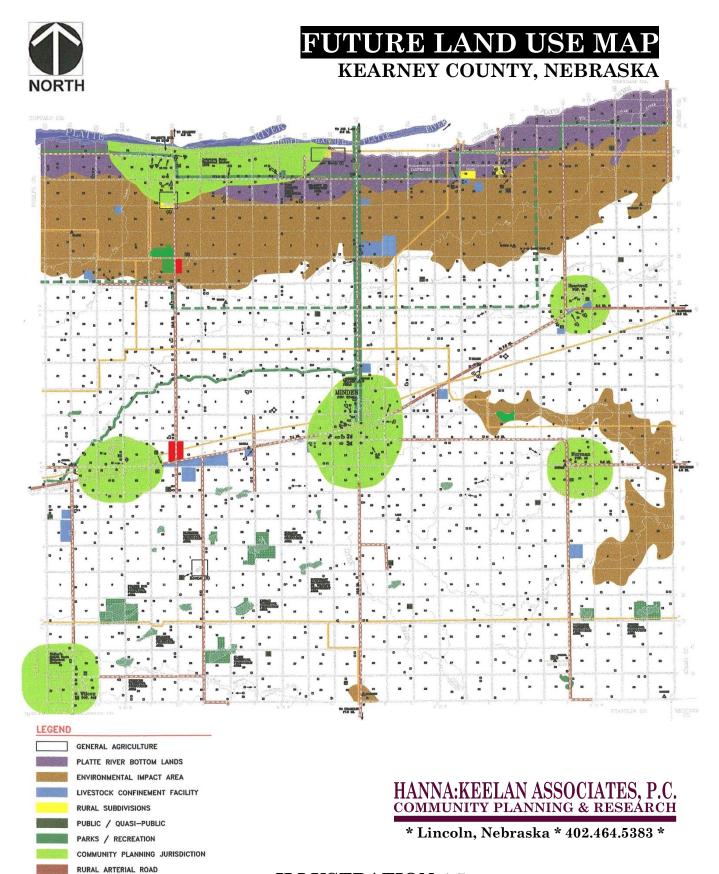


ILLUSTRATION 4.5

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UTILITY TRANSMISSION LINE

4.15

AGRICULTURAL CONSERVATION AREAS

Agricultural Conservation Areas (ACAs) are environmentally sensitive areas. In Kearney County, ACAs are associated with the Platte River in the northern portion of the County and Sand Creek in the east-central portion. These ACAs consist of floodplains and flood prone, low-lying lands with shallow depths to the groundwater table. Soil conditions in ACAs severely limit development. ACAs are depicted in the **Kearney County Official Zoning Map**.

The consensus of the Planning Commission is that future development in ACAs should be limited to activities associated with agricultural production, while limiting intensive agricultural uses such as livestock confinement facilities.



4.16

OPEN SPACE & PARKS/RECREATION AREAS

State Wildlife Management and Waterfowl Production Areas are primarily located in the southwest quadrant of the County, between the West Branch of the Thompson Creek and the Little Blue River. State Recreation Areas include Fort Kearney State Recreation and Historical Park Areas in the north central portion of Kearney County, along State Spur L50A, one mile south of the Platte River. These existing Areas may potentially expand or new Areas may be developed as funding becomes available.

The "Network of Discovery," the Nebraska State-Wide Trails Plan builds upon Fort Kearney State Recreation Area and Historic Park. The State-Wide Trails Plan proposes a system of multi-use trails, Highway shoulders and public use easements such as the Phelps County Canal, Highway 10 and State Spur L50A for future trails. These potential trails have been utilized in the **Future Land Use Map, Illustration 4.3**, to expand recreational and tourism opportunities for Kearney County.

AGRICULTURAL RESIDENTIAL AREAS

The development of non-farm dwellings in Kearney County is recommended to be concentrated in the areas identified as "Rural Subdivisions," as shown on the **Future Land Use Map, Illustration 4.3.** Rural residential uses are planned within a mile of the Corporate Limits of the Villages Norman and Heartwell.

Rural subdivisions in the northern portion of the County, such as Summerhaven Lake and adjacent Awarii Dunes Golf Course, are planned for residential development. Expansion of existing or development of new rural houses, with parcels smaller than three acres, must have authorization from the Nebraska Department of Environmental Quality and the Department of Health and Human Services. This approval process ensures water quality will not be compromised when residences have their own wells and sanitary sewer systems on individual lots smaller than three acers in area. The economy of Kearney County continues to be agriculturally based. The Planning Commission expanded the areas targeted for rural residential development, based upon the results of the existing land use analysis and past/current building trends. Since the previous **Comprehensive Plan**, housing development in the unincorporated rural areas has increased. By implementation of the new **Future Land Use Map** and continued enforcement of the County's **Zoning Regulations**, the County will continue to grow and develop as planned, in an orderly manner, addressing both the agricultural activities and residential needs of rural Kearney County.

COMMERCIAL AREAS

Existing and planned commercial developments within rural Kearney County are promoted along Highway 44, to the east of Awarii Dunes Golf Course and north of the intersection of Highway 44 with Highway 6/34. The Highway 44 Corridor has the highest traffic volumes for automobiles at approximately 4,420 vehicles in a 24 hour period. The One-Mile Planning Jurisdictions of the Communities within Kearney County are anticipated to support the majority of commercial uses. Close proximity of municipal water and sewer services will continue to attract rural commercial uses to these locations.

INTENSIVE AGRICULTURAL AREAS

Rural agriculture-oriented industrial uses, such as large scale grain elevators and a sand extraction facility that produces specialized sand products are the primary rural industrial uses in the County. Grain elevators, large silos or warehouse buildings remain in a variety of locations near railway corridors, throughout the County. The **Comprehensive Plan-Update** and **Zoning Regulations** identify these facilities as either intensive agricultural uses in Agricultural Districts, or specifically as "I – Industrial" Districts in rural Kearney County.

Future areas of anticipated intensive agricultural development should be considered in locations near urbanized areas within reasonable distance of fire protection and hard surfaced roads.



Kearney County, Nebraska Comprehensive Plan-Update - 2025.

VILLAGE OF HEARTWELL AND NORMAN.

The Future Land Use Map for the Village of Heartwell, Illustration 4.6, plans for the commercial Downtown to remain the focus of the Community. Industrial uses along the Railroad Corridor are planned to support the expansion of Cargill to the southeast of the Village. Multifamily residential uses wrap around the west and northeast portions of the Downtown, buffering the single family uses in the remaining portions of the Village.

The **Future Land Use Map** for the Village of Norman, **Illustration** 4.7, highlight the remaining portions of the commercial Downtown and industrial uses to the north to remain intact. The area generally along Milliam Avenue and east the Corporate Limits is proposed to remain vacant as an urban reserve area.



FUTURE LAND USE MAP

HEARTWELL, NEBRASKA







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ILLUSTRATION 4.6

Kearney County, Nebraska Comprehensive Plan-Update - 2025.



FUTURE LAND USE MAP

NORMAN, NEBRASKA



LEGEND			
	VACANT RESIDENTIAL -		FAMILY
	COMMERCIAL -	SINGLE	PAMILI
AND REAL PROPERTY.	INDUSTRIAL		



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ILLUSTRATION 4.7

Kearney County, Nebraska Comprehensive Plan-Update - 2025.

SECTION 5

Public Facilities, Utilities & Transportation.

SECTION 5 PUBLIC FACILITIES, UTILITIES & TRANSPORTATION

INTRODUCTION

Section 5 of this Comprehensive Plan-Update discusses the existing conditions and planned improvements to the **public facility and transportation systems** in the County. All improvements to these components are aimed at maintaining or improving the quality of life in Kearney County and the Villages of Heartwell and Norman.

PUBLIC FACILITIES & UTILITIES

Public Facilities identify existing public places in the County and determine future needs of and desires for pertinent public facilities during the planning period 2015 to 2025. Public Facilities provide citizens with social, cultural and educational opportunities in Kearney County. Facilities can include, but are not limited to fire protection, schools, medical/elderly services and recreational facilities such as parks and sports fields. A majority of the listed and other public facilities are located within the City or Village Corporate Limits or Planning Jurisdiction in the County.

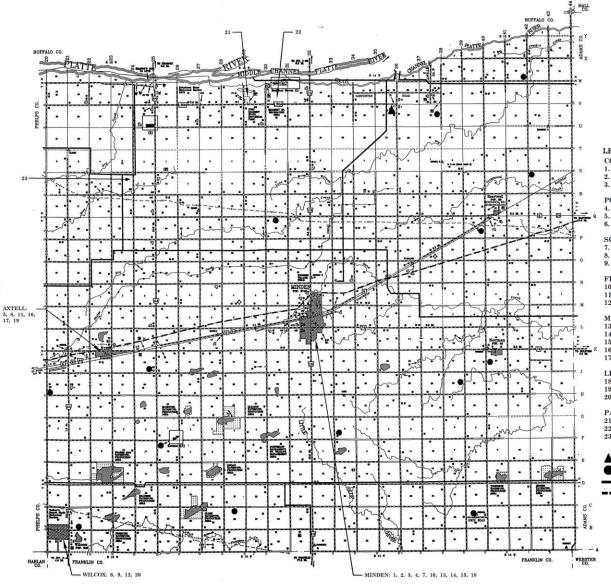
A majority of public facilities and transportation networks identified in the previous Comprehensive Plan for rural Kearney County and the Villages of Heartwell and Norman remain much the same today, as in 2000. The only major addition is Awarii Dunes Golf Course, a new nine-hole golf course located at 524 S Road, in northwestern Kearney County. Illustration 5.1 identifies the Public Facilities in Kearney County, Nebraska.

The public utilities of a community are those utilities which are most directly concerned with the health and welfare of the population. The water supply, and sewage disposal facilities, solid waste disposal facilities, and electrical services are the services most frequently considered. A comprehensive plan allows for the coordination of these services with projected growth patterns. Planning for these utilities should be interrelated with future land use, zoning and housing needs.

Utility systems in rural Kearney County, as well as in the Villages of Heartwell and Norman remain largely the same today, as in 2000. Each Community in Kearney County provides a modern utility system to its residents. Portions of the water and sewer transmission lines that are undersized or aging in each Village should be monitored closely for any possible breakage, with replacement being recommended for the future.

PUBLIC FACILITIES M **KEARNEY COUNTY, NEBRASKA**





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ILLUSTRATION 5.1



POST OFFICES 4. Minden 5. Axtell 6. Wilcox

SCHOOLS 7. Minden Public School 8. Axtell Public School 9. Wilcox-Hildreth Public School

FIRE DEPARTMENTS 10. Minden 11. Axtell 12. Wilcox

MEDICAL

MEDICAL 13. Kearney County Health Services 14. Kearney County Health Services Medical Clinic 15. Bethany Homes 16. Axtell Medical Clinic 17. Bethphage Campus

LIBRARIES 18. Tensen Memorial Library 19. Axtell Public Library 20. Wilcox Public Library

PARKS AND RECREATION

21. Fort Kearney State Historical Park 22. Fort Kearney State Recreation Area 23. Awarii Dunes Golf Course

CEMETERY

● UTILITY SUBSTATION ELECTRICAL TRANSMISSION LINES -GAS LINES

Kearney County, Nebraska Comprehensive Plan-Update - 2025.

TRANSPORTATION

The availability of a convenient and efficient transportation system is essential to the continued economic and physical development of Kearney County. An adequate transportation system is required to transport goods and services to and from major travel routes and market centers within and outside the County. The overall purpose of the Transportation Plan is to provide the necessary guidelines for the safe movement of people and vehicles throughout the planning area.

The primary sources of information utilized to develop the Transportation Plan were (1) Kearney County "One and Six Year Plans" and (2) State of Nebraska Department of Roads "Nebraska Highway Program" (Fiscal Years 2015-2021 and Beyond).

EXISTING TRANSPORTATION SYSTEM

Illustration 5.2, State Functional Classifications, as identified by the Nebraska Department of Roads, depicts the transportation system in Kearney County. The transportation system is comprised of "Major Arterial" U.S. Highways 6 and 34, and State Highways 10, 44 and 74. All other streets and roads within Kearney County are classified as "Rural Minor Collectors," County roads, local streets and minimum maintenance roads. Collectors and local streets provide transportation to and throughout the Cities and Villages of the County, while the Interstate and U.S. and state highways provide transportation into the County, adjacent Counties and Communities and areas beyond.

ROAD CLASSIFICATIONS

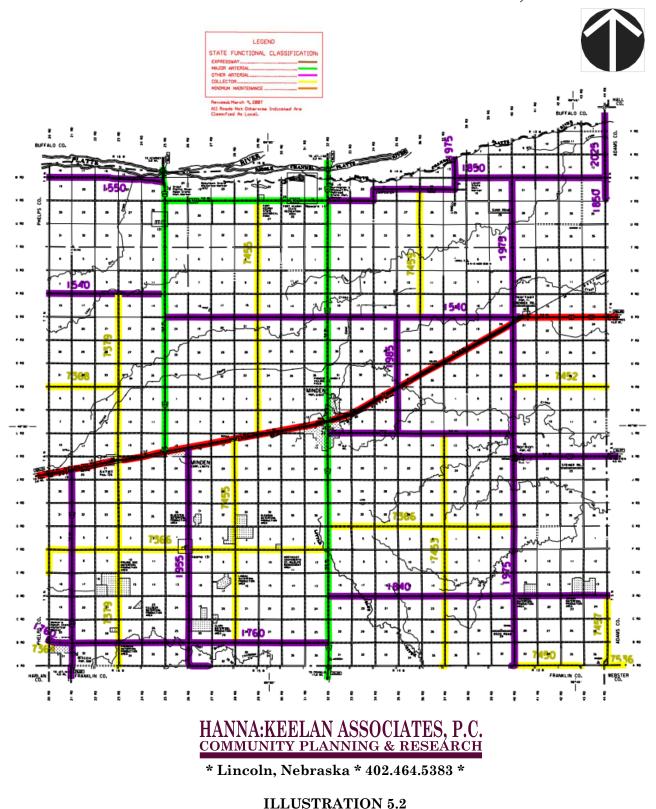
Nebraska Highway Law identifies the eight functional classifications of rural highways as follows:

- (1) **Interstate:** Which shall consist of the federally designated National System of Interstate and Defense Highways;
- (2) **Expressway:** Second in importance to Interstate. Shall consist of a group of highways following major traffic desires in Nebraska and ultimately should be developed to multilane divided highway standards;
- (3) **Major Arterial:** Consists of the balance of routes which serve major statewide interests for highway transportation in Nebraska. Characterized by high speed, relatively long distances, and travel patterns;

- (4) **Scenic-Recreation:** Consists of highways or roads located within or which provide access to or through state parks, recreation or wilderness areas, other areas of geological, historical, recreational, biological, or archaeological significance, or areas of scenic beauty;
- (5) **Other Arterial:** Which shall consist of a group of highways of less importance as through-travel routes which would serve places of smaller population and smaller recreation areas not served by the higher systems;
- (6) **Collector:** Which shall consist of a group of highways which pick up traffic from many local or land-service roads and carry it to community centers or to the arterial systems. They are the main school bus routes, mail routes, and farm-to-market routes;
- (7) **Local:** Which shall consist of all remaining rural roads, except minimum maintenance roads;
- (8) **Minimum Maintenance:** Which shall consist of (a) roads used occasionally by a limited number of people as alternative access roads for area served primarily by local, collector, or arterial roads, or (b) roads which are the principal access roads to agricultural lands for farm machinery and which are not primarily used by passenger or commercial vehicles.

The rural highways classified, under subdivisions (1) thru (3) of this section should, combined, serve every incorporated municipality having a minimum population of 100 inhabitants or sufficient commerce, a part of which will be served by stubs or spurs, and along with rural highways classified under subsection (4) of this section, should serve the major recreational areas of the State. Sufficient commerce shall mean a minimum of two hundred thousand dollars of gross receipts under the Nebraska Revenue Act of 1967.

STATE FUNCTIONAL CLASSIFICATIONS KEARNEY COUNTY, NEBRASKA



Kearney County, Nebraska Comprehensive Plan-Update – 2025.

TRAFFIC VOLUME

The Nebraska Department of Roads monitors traffic volume in the Kearney County area, for County roads and State and Federal highways. This tabulation process is done to identify appropriate existing road classification and engineering standards. **Table 5.1** also identifies the average daily traffic counts for State and Federal transportation routes around Kearney County. Each of these road segments are identified as *"Major Arterial"* roads. All other roads within the corporate limits of the County are classified as "Collector," local or minimum maintenance roads.

TABLE 5.1	
FRAFFIC VOLUME – AVERAGE DAILY TR	AFFIC COUNTS
STATE AND FEDERAL ROADS*	
KEARNEY COUNTY, NEBRASKA	
2008, 2010 & 2012	

2008, 2010 & 2012			
	<u>2008</u>	<u>2010</u>	<u>2012</u>
U.S. Highway 6/34, West of Axtell	4,025/355	3,465/305	4,030/355
U.S. Highway 6/34, West of HWY 44 Intersection	4,645/595	4,255/555	4,460/550
U.S. Highway 6/34, East of HWY 44 Intersection	2,830/416	3,000/431	3,030/445
U.S. Highway 6/34, West of Minden	3,030/305	3,005/300	3,320/330
U.S. Highway 6/34, East of Minden	2,345/325	2,245/310	2,295/315
U.S. Highway 6/34,West of Heartwell	2,035/295	2,060/300	2,065/300
NE Highway 10, South of HWY 50A Intersection	2,760/364	2,920/318	2,960/350
NE Highway 10, North of Minden	3,355/460	3,525/485	3,310/455
NE Highway 10, South of Minden	1,970/220	1,920/215	2,055/230
NE Highway 10, Kearney/Franklin County Line	1,385/165	1,645/195	1,520/180
NE Highway 44, South of Wilcox	580/65	510/55	520/55
NE Highway 44, North of Wilcox	565/60	475/50	620/65
NE Highway 44, North of HWY 6/34	3,945/257	3,655/243	3,690/240
NE Highway 44, South of HWY L50A	4,040/185	4,240/195	4,420/220
NE Highway 74, East of HWY 10	1,040/85	850/70	1,005/80
NE Highway 74, West of Norman	640/70	645/70	715/75
NE Highway L50A,	990/85	1,005/50	1,210/95
*Total Vehicles/Commercial Vehicles.			
Source: Nebraska Department of Roads, 2015.			
Hanna:Keelan Associates, P.C., 2015.			

FUTURE KEARNEY COUNTY TRANSPORTATION SYSTEM

The Future Transportation System in Kearney County is outlined in the County **One and Six Year Road Improvement Programs.** The County's One-Year Plan is for projects to be undertaken in 2015, while the Six-Year Plan is for projects to be undertaken through 2021, or earlier if funding becomes available. Upcoming roads projects through the Nebraska Department of Roads and Kearney County are updated for 2015 and 2021.

The Villages of Heartwell and Norman relinquished 100 percent of their State funds to Kearney County. The County is responsible for all maintenance, repair and improvements to streets and related components in the two Villages.

The official One- and Six-Year Road Improvement Program project list is available in the **Appendix** of this **Comprehensive Plan-Update**.

SECTION 6

Energy Element.

SECTION 6 ENERGY ELEMENT

INTRODUCTION

This Section of the Kearney County Comprehensive Plan-Update complies with a July 2010 amendment to Nebraska State Statues 23-114.02, requiring an "Energy Element." This component of the Plan assesses the energy infrastructure and energy use by sector, including residential, commercial, and industrial. This section is also intended to evaluate the utilization of renewable energy sources and promote energy conservation measures.

PUBLIC POWER DISTRIBUTION

Energy usage and consumption throughout Kearney County has followed the trends prevalent in the State of Nebraska. Electrical power is distributed throughout Kearney County by the **Southern Public Power District (SPPD).** The SPPD is supplied electricity by the **Nebraska Public Power District (NPPD)**. The SPPD Utility District does not generate electricity; 100 percent of the electricity they distribute originates from NPPD.

As the largest electric generating utility in the State of Nebraska, NPPD provides electricity to all or parts of 91 of the State's 93 Counties. The source of NPPD's generating facilities includes coal, oil, natural gas and nuclear energy. Additionally, NPPD also purchases electricity from the **Western Area Power Administration (WAPA)**, which markets and transmits electricity from federally owned hydropower facilities.

RENEWABLE ENERGY STRATEGIC PLAN

As of July 2011 and continuing through the 2014, the NPPD Strategic Plan states:

"NPPD will evaluate all forms of renewable resources feasible in Nebraska and incorporate them in the total mix of NPPD-owned generation and contract purchases with a goal of achieving 10 percent of our energy supply for NPPD's native load from renewable resources by 2020".

SECTION 6 ENERGY ELEMENT.

The Strategic Plan promotes the addition of a minimum 80 megawatts of wind-generated power during every two-year period, reaching the 10 percent goal by 2020.

As of 2013, approximately 56.6 percent of NPPD's energy generation was from coal, 30 percent nuclear, 2.5 percent hydro, 0.8 percent natural gas & oil, and 4.6 percent from wind alternative energy <u>sources</u>. The remaining 4.8 percent of NPPD's energy was supplied through purchases, with 4.3 percent from the WAPA and 1.2 percent from other sources. This results in NPPD having 42 percent of its energy resources originating from carbon free energy

In order for NPPD to meet its goal of 10 percent of its generating capacity originating from renewable resources, *primarily wind*, the Utility District will need to develop 334 Megawatts of total wind generation by 2020. NPPD, according to the 2014 Strategic Plan, purchases 100 percent of the energy produced at seven Nebraska wind farms, but resells 24 percent to other utility districts. NPPD states in the Plan that it has passed the half-way point of meeting the 2020 production goal, or having 10 percent of its power generation coming from Renewable resources.

As of 2013, the entire State of Nebraska had a total wind turbine production of 734.8 megawatts produced by 422 operational turbines. This power would generate enough electricity to power approximately 244,880 homes.



Broken Bow Nebraska Wind Facility

WIND TURBINES AND "NET METERING"

Commercial, large scale wind turbines, or "Wind Conversion Systems," are being promoted in Nebraska Counties by companies and local property owners alike. Wind towers of up to 400' in height are typically developed as "wind farms," where multiple wind towers are constructed in a single area, or linearly along a ridge line, such as Laredo Ridge Wind Farm, east of Petersburg in Boone County, for example. This facility consists of 54 individual 1.5 megawatt (MW) turbines.



Laredo Ridge, Petersburg, Nebraska

As of August, 2009, the State of Nebraska Legislature approved and signed into law, LB 439 (**Nebraska State Statute §70-2001 to 2005**), which is also referred to as "**Net Metering**." This law allows individual residences and businesses to supplement their standard electric service with one, or combinations of, five alternate energy systems, including Solar, Methane, Wind, Biomass, Hydropower and Geothermal. By implementing these types of alternative energy systems, the desire of the individual is to reduce their reliance on public utility systems, potentially by where they generate more electricity than they can use and profit by having the public utility district purchase their excess energy.



Net Metering Small Wind Energy Systems Winnebago, Nebraska

The Kearney County Planning Commission chose to allow residences and businesses to utilize the provisions of Net Metering, specifically Small Wind Energy Systems. These same small Wind Energy Systems are permissible as Special Uses in each of the Districts of the County Zoning Regulations.

Commercial Wind Energy Conversion Systems, or what are commonly known as "Wind Farms," are potentially permitted as Special Uses in the "AG-1 and AG-2 Agricultural Districts" and "RC Rural Conservation" Districts.

ENERGY CONSUMPTION

According to the Nebraska Energy Office, the only available energy consumption statistics by Sector are the State totals. As of the 2013 Annual Energy Report, the Industrial Sector consumed 41.8 percent, or more than a third of the Total Energy Consumption of the State of Nebraska. The other three Sectors comprised nearly equal portions, at 17 percent in the Commercial Sector, 19.6 percent for the Residential Sector and 21.6 percent in the Transportation Sector. The Total Energy Consumption, in 2010, was 843.8 trillion British Thermal Units (BTU), which more than doubled, since 1960, when total consumption was 308.3 trillion BTU, an increase of 173.7 percent.

The energy consumption data from the **Southern Public Power District** for Kearney County was not available from their offices.

TRENDS IN ENERGY CONSUMPTION

During the last 51 years, the State of Nebraska, as a whole, has vastly increased energy consumption. The Nebraska Energy Office "Annual Report – 2013," (the latest publication available) details the most recent state-wide statistics from 2011. Throughout Nebraska, energy consumption as a percentage share of personnel income has remained constant. In 1970, 11.8 percent of personnel income was spent on energy. As of 2011, 12 percent was spent on energy usage. The peak percentage occurred in 1980 at 17.1 percent.

Trends in the Total Energy Consumption for the State of Nebraska is mirrored in each of the individual energy categories, coal, natural gas, gasoline and distillate fuel oil (primarily diesel fuel), nuclear power and hydroelectric production. Each of these energy types are detailed between 1960 and 2011, as follows:

- Coal consumption increased from 20 trillion BTUs in 1960 to 285.4 trillion BTUs, as of 2011.
- Natural gas consumption rose and fell during the 51 year period between 1960 and 2011, beginning at 140.4 trillion BTU, peaking in 1973 at 230.7 trillion BTU and by 2011 increasing again back up to 173.6 trillion BTU.

- Gasoline and diesel fuel consumption increased in Nebraska between 1960 and 2011. Overall, petroleum consumption overall peaked in 1978 at 246.1 trillion BTU. Gasoline consumption rose by 25 percent, from 78.8 to 97.8 trillion BTU, as of 2011 but peaked in 1978 at 115.9 trillion BTU. During the same time period, diesel fuel consumption quadrupled from 24.1 trillion BTU to 113.1 trillion BTU.
- Nuclear power generation began in Nebraska in 1973 at 6.5 trillion BTU and has increased to 72.5 trillion BTU as of 2011, but peaked in 2007 at 115.7 trillion BTU.
- Renewable energy consumption from 1960 to 2011 increased and decreased throughout the decades, beginning in 1960 at 13.4 trillion BTU to 2011 at 164.9 trillion BTU. Hydropower was the primary renewable energy source between 1960 and 1994, but as of 1995, biofuels (ethanol) production began at levels equaling hydropower, and production soared. By 2011, 69.3 percent of all renewable energy produced in that year came from biofuels, 9.5 percent from hydroelectric power, 6.2 percent from wood and wood waste.

INCREASED ENERGY COSTS & CONSERVATION

High fuel costs or limited availability of a particular energy type increases the desire for energy efficiency practices. For example, historic peak prices for natural gas in 2008 motivated farmers to convert natural gas and propane fueled irrigation equipment to electric power; to limit frequency and amount of applications of anhydrous ammonia fertilizer (a natural gas product); and to increase the use of conservation tillage practices to reduce crop cultivation. Access to lowcost financing through the Nebraska Energy Office and locally available low-interest loans to modernize agricultural equipment have led to conservation increases in the Agricultural Sector.

The U.S. Department of Agriculture issued a report in 2008 that concluded that farmers have increased conservation practices. Since the 1970s, total farm energy consumption fell by 26 percent, while farm production increased by 63 percent. This figure is even more significant when the consolidation of farms is taken into account.

In 1966, just 3.1 million acres of Nebraska crop lands were irrigated, but as of 2011, 9.1 million acres were irrigated. Thus, approximately forty-six percent of the total cropland in Nebraska was irrigated.

Ethanol production in Nebraska has consumed an increasing amount of corn produced annually and in the process expanding irrigation practices. In 2011, more than 40 percent of the corn crop was utilized by ethanol facilities across the State.

ENERGY CONSERVATION POLICIES

The most effective means for Kearney County to reduce its total energy consumption in each of the Energy Sectors (and by energy type) is by conservation practices and by promoting the conversion to alternative energy systems when appropriate.

The following is a list of policies to guide energy practices throughout rural Kearney County:

- Promote the use of "Net Metering" or the use of one, or combinations, of the five alternative energy sources to reduce rural residential and agricultural facilities consumption of energy.
 - Utilize the Kearney County Zoning Regulations to control the placement and operation of alternative energy systems.
 - Require compliance with the Accessory or Conditional Use permit processes so that established conditions are met by the applicant.
 - Promote the development of vocational education opportunities in local high schools, regional trade schools, and in state colleges and universities to educate the current and future workforce in alternative energy design, fabrication of equipment and maintenance.

Promote the use and placement of large scale Commercial/Utility Grade Wind Energy Conversion Systems, commonly referred to as "Wind Farms."

• Utilize the Kearney County Zoning Regulations to guide the potential use and placement of large scale Commercial Wind Energy Conversion Systems.

- As other sources of Alternative Energy Systems are developed or become cost-effective for use in Nebraska, amend Kearney County planning documents to locate and control their operation.
- Promote the use of conservation methods to reduce the consumption of Energy Usage in each of the individual sectors including residential, commercial, industrial, agricultural and transportation.
 - Promote the use of weatherization methods and energy efficient or "green building" materials in conformance with the "LEED" Certified Building techniques.
 - Support and provide incentives for the expanded use of agricultural practices to reduce energy consumption. Techniques such as conservation tillage, high efficiency irrigation equipment and cost effective fuel sources to power irrigation systems.
 - Support State and Federal incentive programs to continue to provide low-cost financing to purchase modern agricultural equipment such as low-pressure pivots and no-till equipment. Programs such as the U.S. Department of Agriculture's Rural Energy for America Program (REAP) that finances irrigation efficiency improvements switching diesel, propane and natural gas pumps to electric.
 - Promote the availability of incentives provided by public power districts to develop alternative energy sources for and from agricultural practices. Modern methods such as producing methane gas from livestock confinement facilities to power agricultural equipment, is just one example.
 - Promote the expanded use of solar and geothermal exchange energy systems for agricultural applications that power equipment and heat/cool farm buildings.

APPENDIX

Kearney County One- and Six-Year Road Improvement Programs.

KEARNEY COUNTY

Six Year Projects 2015-2021

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ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41 Signature: Interview Date:								
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41 Signature: Interview Date:								
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41								
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41 Signature: Interview Date:								
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41								
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41 Signature: Interview Date:								
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41 Signature: Interview Date:								
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41								
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNT Count Project Length: (Nearest Tenth, State Unit of Measure) 4.0 miles Project No.: C50-A41								
(in Thousands) 300.0 300.0 300.0 ★ OPTIONAL Project Length: (Nearest Tenth, State Unit of Measure) Project No.: C50-A41 4.0 miles Title: Date:	ESTIMATED COST	* COUNTY	★ CITY	★ . ST	ATE	★ FEDERAL	★ OTHER	TOTAL
Project Length: (Nearest Tenth, State Unit of Measure) Project No.: 4.0 miles C50-A41 Signature: Date: Date:	(in Thousands)	300.0						300.0
4.0 miles C50-A41 Signature: Date:		Tenth, State Unit	of Measure)	Pro	oject No.:		·····	<u></u>
	/ /	4.0 miles				Ct	· · · · · · · · · · · · · · · · ·	
Highway Superintendent	Signature:	J.H.	Title:	Highwav	Superir	ntendent	Date: 2-17-19)

County: Kearney County 20 ocation Description: Between Sections 28		or St	reet	Imp	rove	mo	nt D	rainat	
Kearney County 20 ocation Description:)13-2014	City				7111C		roject	
•		1 -					Village:		
Between Sections 28			A\ N I						
	And 33	15N, R1	400						
Also known as B Roa	d Block 1	1500							
xisting Surface Type and Stru	uctures: (Su	ch as dirt, g	ravel, asph	alt, concre	te, culvert, d	or bridge)			
Gravel									
verage Daily Traffic: 2003	= 0, 20	13 = <u>0</u>			Classifica	tion Type		on Functional (Local	Classification Maj
· · · · · · · · · · · · · · · · · · ·			PROPOS	ED IMPR	OVEMEN				······································
esign Standard Number: RL-2			Surfaci	ng	Thickn		2.0	Width	28.0
Aggregate Armor Coat Asphalt	Curb & O Drainage Erosion	e Structu		Utility / Fencin Sidewa	-	ents [[Type:	
Bridge to Remain in	n Place				Length:	<u> </u>	· · · [*]		
New Bridge		Roadway	widun:		Lengin.	<u>.</u>		Type:	
Box Culvert		Span:		Rise:	· -	Length:		Туре:	
Culvert		Diameter:			Length:		•	Туре:	
Bridges and Culve	erts Size	d	Υ	'es 🗌	N/A		Hydraul	ic Analysis I	Pending
Other Construction Features:									
2" gravel									
ESTIMATED COST	COUNTY	*	CITY	★ ST	ATE	★ FEDE	RAL	★ OTHER	TOTAL
(in Thousands) ★ OPTIONAL	8.0								8.0
Project Length: (Nearest Tentl		of Measure)	Pro	ject No.:		<u><u> </u></u>	-B54	· · · · · · · · · · · · · · · · · · ·
	1.0		Title:			·····		Date:	
				lighway	Superin	tenden	t	2-17-15	

			<u> </u>		· · ·		· · · · · · · · · · · · · · · · · · ·	<u> </u>
County: Kearney Count	v 2013_2014	City:			Village	ə:		
Location Description:	y 2013-2014						<u> </u>	in a second s
Between Sections	34-T6N-R14	4W and Section	3-T5N-R	14W. in	Kearnev C	ountv		
				,		<i></i>		
Also known as G	Road Block '	1600						
		1000						
Fuisting Conferenting and	d Churchtungen /Cu	ah an dirt group an	halt concrat	o outrort	ar bridge)	· .		
Existing Surface Type and	a Structures: (Su	ch as dirt, gravei, asp	nail, concret	e, cuiven, c	or onage)			
Gravel								
				· ·			·	
Average Daily Traffic:		4		Classifica	tion Type: (As s			assification Map)
20	07 = <u>51</u> , 20			<u> </u>	· · · · · ·	Collect	or	
		PROPO	SED IMPR				1.0.1.11	<u>.</u>
Design Standard Number RC-2	: ···	Surfac	ing	Thickn	ess: 2.0		Width:	28.0
		<u></u>	7	<u> </u>		• • •		20.0
Grading] Right c			ighting		
🛛 Aggregate	Curb & 0			Adjustme	ents 📋			
Armor Coat	-	e Structures] Fencin	-	· · · · · ·			
Asphalt	Erosion] Sidewa	alks	<u></u>			
Bridge to Rema	in in Place	Roadway Width:		Length:		Ту	be:	
Bridge to Keina		Roadway Width:	<u> </u>	Length:		Ту		
New Brid	lge	Roadway Width.		Lengui.		יעי		
Box Culv	/ert	Span:	Rise:		Length:	Ту)e:	
Culver	t	Diameter:		Length:	1	Туј	je:	
Bridges and C			Yes 🗌	N/A		raulic An	alysis Pe	ending
								, nonng
Other Construction Featu								
Replace or Extistin	ig Culverts							
Oll laway of group								
2" layer of gravel								
	.	A A	<u> </u>	ATE		· · ·	THER	TOTAL
ESTIMATED COST			★ ST	AIE	★ FEDERAL		INCK	and the second secon
(in Thousands) ★ OPTIONAL	8.0							8.0
Project Length: (Nearest	Tenth State Linit	of Measure)	Pro	ject No.:			<u> </u>	<u> </u>
in oject Length, (Medlest	1,0 Miles	c. modouroj		,	1	C50-B59	na Éga de	
Signature:	1111.	Title:			······································	Date:		-
Ronalde	Karlt		Highway	Superin	tendent	12	17-15	2
IBCS Form 7, Jul 96				and an				

Hia	Board o Form	f Public Roads	s Classifica	ations and	Standards	2	
Hia	гопп		and C	iv Va			
			이 모두 한 것이 같아.				
	nway	or Stree	et impr	ovem	the state of the s	rojeci	
County: Kearney County	2013-2014	City:			Village:		
Location Description: Between Sections	18 And 17 c	of T5N-R14\// ir	n Kearnev (County			
Detween Occuons			Theathey C	Jounty			
Also known as 33	Road Block	1600					
Existing Surface Type and	Structures: (Su	ch as dirt, gravel, as	phalt, concrete,	culvert, or brid	ge)		<u></u>
Gravel							
	1 - 1 -						<u> </u>
Average Daily Traffic: 200	7 = <u>51</u> , 20	17 = 60	C	Classification Ty		on Functional Cla .ocal	ssification Ma
	·		SED IMPRO	VEMENT			
Design Standard Number: RL-3		Surfa	cing	Thickness:	2.0	Width:	26.0
Grading	Concrete	e [Right of	Way	Lighti	ng	<u> </u>
Aggregate	Curb & 🤇			ljustments		ана (1997) 	<u></u>
<u> </u>	⊠ Drainage ☐ Erosion	e Structures	Fencing Sidewall	(C)			·····
Bridge to Remain		Roadway Width:		.ength:		Туре:	
<u>.</u>		Roadway Width:	L	ength:		Туре:	
New Brid	7	Span:	Rise:	Lenç	ath:	Туре:	<u>in transverse se s</u>
Box Culve	ərt						
Culvert		Diameter:	L	ength:		Туре:	
Bridges and Cu	lverts Sized	1	Yes 🗌 N	1/A] Hydrauli	c Analysis Pe	ending
Other Construction Feature	es:				-		
Twin 12x6x40		an a					
2" layer of gravel							
							radio leta <u>- ra</u> nda
ESTIMATED COST		* CITY	🖈 STAT	E 🕈 FI	EDERAL	★ OTHER	TOTAL
(in Thousands) TOPTIONAL	40.0						40.0
Project Length: (Nearest T		of Measure)	Projec	ot No.:	050	-B60	
	0.5 Miles	Title:				-BOU Date:	ety (

N	ł	R	C	S	E.	^	r	m	١.	7		Ľ	11	L	q	6
	v	-	U	0		v			Ľ.,		,	v	u		•	v

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County: Kearney County 2	013-2014	City:		Villag	e:	
Location Description:	010-2014			_		
Between Sections 16	6/17 T5N R1	5W in Kear	ney County			
Also known as 28 40	0					
Existing Surface Type and St	ructures: (Such	as dirt, gravel, a	sphalt, concrete, culve	rt, or bridge)		
Gravel						
Average Daily Traffic:	= <u>51</u> , 2017	7 = 60	Classi	fication Type: (As	shown on Functional C Collector	lassification Map)
			OSED IMPROVEN	IENT		
Design Standard Number:			Thi	ckness:	Width:	
RC-2		Surfa	acing	2.0		28.0
Grading	Concrete		Right of Way	/ 🗆 L	ighting	
Aggregate	Curb & Gu	utter	Utility Adjust			
Armor Coat	Drainage		Fencing	Π.		
Asphalt	Erosion C		Sidewalks	Ē		
	-	oadway Width:	Length	•• _•	Type:	
Bridge to Remain	in Place	oadway Than.	Longe			
New Bridge	, R	oadway Width:	Length		Туре:	
Box Culver	t s	pan:	Rise:	Length:	Туре:	
Culvert	D	iameter:	Length	1:	Туре:	
Bridges and Culv	erts Sized		Yes 🗌 N/A	🗌 Hyd	raulic Analysis P	ending
Other Construction Features:						
Replace or extend ex	isting Culve	rts				
2" Layer Gravel						
	COUNTY		★ STATE	★ FEDERAL	★ OTHER	TOTAL
(in Thousands)	8.0					8.0
★ OPTIONAL Project Length: (Nearest Ten		Maasura)	Project No.	•		
	n, State Unit or 1.0 Miles	weasure)			C50-C31	
Signature:	1116	Title:			Date:	
Routek	lay		Highway Supe	rintendent	2-17.19	>

NBCS Form 7, Jul 96

			ts Classification			
· · · · · · · · · · · · · · · · · · ·			and Six			
High	way or	' Stree	et Improv	vement	Project	
County:		City:	en e	Village		
Kearney County 20)13-2014					
Between Sections 13	And 24 of T	5N-R16W	in Kearney Cour	nty		
	d Diook 600					
Also known as D Roa						
Existing Surface Type and Stru	uctures: (Such a	s dirt, gravel, a	sphalt, concrete, culve	ert, or bridge)	· · · · · · · · · · · · · · · · · · ·	
Gravel						
Average Daily Traffic: 2000	= <u>25</u> , 2005	= 35	Classi	fication Type: (As sl	nown on Functional C. Local	lassification Ma
	H0, 2000			IENT	Loodi	
Design Standard Number: RL-3		Surfa	acing	ickness: 2.0	Width:	26.0
 Armor Coat Asphalt Asphalt Bridge to Remain in New Bridge Box Culvert Culvert 	n Place Ro: Spr	ntrol adway Width: adway Width:	Fencing Sidewalks Lengtl Rise: Lengtl Lengtl Lengtl	n: Length:	Type: Type: Type: Type: Type:	
Bridges and Culve	erts Sized		Yes 🗌 N/A	🗌 Hydr	aulic Analysis P	ending
Other Construction Features: 2" layer of gravel						
ESTIMATED COST	COUNTY		* STATE	★ FEDERAL	★ OTHER	TOTAL
(in Thousands) ★ OPTIONAL	8.0					8.0
Project Length: (Nearest Tenti	h, State Unit of M 1.0 Mile	leasure)	Project No		C50-D35	
Signature:		Title:	<u> </u>	<u> </u>	Date: 2-11-15	

	Board of Put	olic Roads Classi	fications a	nd Standards	· · · · · · · · · · · · · · · · · · ·	
e i de F	orm 7	One- and	Six-Y	ear Plai	n	
High	way or	Street Im	prove	ment Pi	oject	
County: Kearney County 20		ity:		Village:		
ocation Description:						
Between Sections 27	And 28 of T5I	N-R16W in Kearne	ey County			
Also known as 23 Roa	ad Block 200					
xisting Surface Type and Stru	ctures: (Such as c	lirt, gravel, asphalt, conc	rete, culvert, or	bridge)	<u> </u>	
Gravel						
Average Daily Traffic:	= <u>51</u> , 2017 =	60	Classificatio	on Type: (As shown	on Functional Cla llector	assification Ma
	- <u>,,</u> 201	PROPOSED IM				
Design Standard Number:			Thickne		Width:	
RC-2		Surfacing		2.0		28.0
Armor Coat	Place		walks Length: Length:		Туре:	
New Bridge	Span	Rise:		Length:	Туре:	
Box Culvert	Diam	eter:	Length:		Type:	
Culvert						
Bridges and Culve	rts Sized	Yes] N/A	🗌 Hydrauli	c Analysis Pe	ending
Other Construction Features: Replace or extend exis	sting culverts					
2" layer of gravel						
ESTIMATED COST	COUNTY		STATE 🔰	FEDERAL	* OTHER	TOTAL
(in Thousands) ★ OPTIONAL	8.0					8.0
Project Length: (Nearest Tenth	, State Unit of Mea 1.0 Mile	asure) F	Project No.:	C50-	-D42	
Signature:		Title:	<u>.</u>		Date:	
Roy 1 & the	1/2		y Superinte	endent	2-17-15	· ·
BCS Form 7, Jul 96	1					

					and Standar Year Pla		
Hig	hway	or Str	eet Im	prov	ement F	Project	
County: Kearney Count	y 2013-2014	City:		· · · · · · · · ·	Village:	· · · · · ·	
Location Description: Between Sections	- 		V in Kearney	/ County			
			•	oounty			
Also known as L I	Road Block 9	00					
Existing Surface Type an	d Structures: (Su	ch as dirt, grav	el, asphalt, conc	rete, culvert,	or bridge)	· · · · · · · · · · · · · · · · · · ·	
Gravel							
				101 10	·· - /A /		·/·
Average Daily Traffic: 20	08 = <u>35</u> , 20	18 = 45		Classific	ation Type: (As sno	wn on Functional Cla Local	issification Map)
			OPOSED IMF				
Design Standard Number RI-2	:	Si	urfacing	Thick	ness: 2.0	Width:	28.0
Grading Grading Aggregate Armor Coat Asphalt Bridge to Rema	Erosion	Gutter e Structure	s 🗌 Utility s 🗌 Fenc			nting Type:	
New Brid	dge	Roadway Wic	lth:	Length:		Туре:	
Box Culv	/ert	Span:	Rise:		Length:	Туре:	
Culver	t	Diameter:		Length:		Туре:	
Bridges and C	ulverts Size	d	Yes] N/A	🗌 Hydra	ulic Analysis Pe	ending
Other Construction Featu							
ESTIMATED COST		* CI	Y \star S	TATE	★ FEDERAL	+ OTHER	TOTAL
(in Thousands) ★ OPTIONAL	8.0						8.0
Project Length: (Nearest	Tenth, State Unit 1.0, Mile	of Measure)	F	Project No.:	C	50-F31	
Signature:	16	Titl		y Superir		Date: 2-17-15	
BCS Form 7, Jul 96	MA	<u> </u>		<u>,</u>		. 1	

			ads Classifica		and the second		
			e- and S				
Hig	hway	or Stre	et Impr	oveme	nt Proj	ect	
County:	. 2012 2014	City:		·	Village:		
Kearney Count	y 2013-2014						
Between Sections	17 And 18 c	of T6N-R14V	V in Kearney C	ounty			
Also known as 33	Road Block	1000					
	· · ·			· · · · · · · · · · · · · · · · · · ·			
Existing Surface Type and	•		l, asphalt, concrete, c	ulvert, or bridge):			
Two 54" Culverts	Gravel Road						
Average Daily Traffic:			C	assification Type:	: (As shown on Fu	nctional Cla	ssification Ma
	00 = <u>51</u> , 20	05 = <u>60</u>			Local	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	
		PRC	POSED IMPROV	/EMENT			<u></u>
Design Standard Number RL-2	:	Su	rfacing	Thickness:	2.0	Width:	28.0
Armor Coat	Erosion	e Structures Control Roadway Width Roadway Width	Sidewalk	S [Тур Тур		
Box Culv	<u> </u>	Span:	Rise:	Length:	Тур	e:	
		Diameter:	 Le	ength:	Тур	be:	
Culver	t					· · · ·	
Bridges and Cu	ulverts Size	d	_ Yes _ N	/A 🗌	Hydraulic An	alysis Pe	nding
Other Construction Featu Will be sized by Mi							
ESTIMATED COST	* COUNTY		🖌 🖈 STATI	E 🖈 FEDE	RAL 🕈 O	THER	TOTAL
(in Thousands)	8.0						8.0
		1	and a second				
Project Length: (Nearest	Tenth, State Unit 0.1, Miles	of Measure)	Projec	t No.:	C50-G54	•	
		of Measure)		ıperintendent	Date:	7-15	

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NDUU	1 0110	• •	00		

County:	, 2012 2014	City:		Village:		
Kearney County	/ 2013-2014	<u>er (1997) en state (188</u> Sinere offenis en state		<u> </u>		
Between Sections	34/35 T6N	R14W in Kearney	County			
Also known as 36	700					
Existing Surface Type and	Structures: (Su	ch as dirt, gravel, asphall	, concrete, culve	ert, or bridge)		<u>de la selectada.</u> Electro de la select
Gravel						
			Class	ification Type: (As sho	un an Eurotional Cl	ancification Man)
Average Daily Traffic: 20(07 = <u>30</u> , 20	17 = <u>35</u>	Class	nication Type. (AS Sho	Local	assincation Mapj
		PROPOSE		IENT	Width:	
Design Standard Number: RL-3		Surfacing	g ''	2.0	VVICUT.	26.0
Grading	Concret		Right of Wa		nting	
Aggregate	Curb &	n an	Utility Adjus	tments 🔲		
Armor Coat		and the second	Fencing Sidewalks			
Asphalt	Erosion	Roadway Width:	Lengt	h:	Type:	
Bridge to Remai	n in Place					
New Brid	ge	Roadway Width:	Lengt	h:	Туре:	
Box Culv	ert	Span: F	Rise:	Length:	Туре:	
Culver	t	Diameter:	Lengt	h:	Туре:	
Bridges and Cu	Iverts Size	d 🗌 Ye	s 🗌 N/A	🗌 Hydra	ulic Analysis Po	ending
Other Construction Featur	res:					
Replace or Extend	Existing Cu	verts				
2" Gravel Surfacing						
	;					
			* STATE	★ FEDERAL	★ OTHER	TOTAL
ESTIMATED COST (in Thousands) ★ OPTIONAL	8.0					8.0
Project Length: (Nearest	Tenth, State Unit 1.0,Mileş	of Measure)	Project No	 	50-G62	
Signature:		Title:		<u>e se se</u>	Date:	
KnNid	Nen H	Hig	ghway Supe	rintendent	2-17-15	

NBCS Form 7, Jul 96

County:		City:		Village:		
Kearney County	/ 2013-2014	•			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
ocation Description:	0 And 10 of		Koomov Count	н.		
Between Sections	9 And TU OI	1710-1300 10	r Keamey Count	y		
Also known as 41	Pood Block	1700				
AISU KHUWH aS 41	Ruau Diuck	1700				
				· · · · · ·		
Existing Surface Type and C50004320 Defici			sphalt, concrete, culve	rt, or bridge)		
C50004320 Delici	ent Steel St	luciure				
	 	in an			F	
Average Daily Traffic:	04 = <u>25</u> , 20	11 = 30	Classi	fication Type: (As sho	Local	assification Ma
200	JT - <u>2.3</u> , 2 0			ENT	LUCAI	<u></u>
Design Standard Number:		Toologia and the second second	Thi	ckness:	Width:	<u>in the Court</u> est The Alternation
RL-3		Surfa	icing	2.0		26
Grading	Concret	e	Right of Way		hting	. *
Aggregate	Curb &		Utility Adjust		inting	
	<u> </u>	e Structures	Fencing			
Annoi Coat	Erosion		Sidewalks			
		Roadway Width:	Length	· · · · · · · · · · · · · · · · · · ·	Type:	
Bridge to Remai	n in Place	Roadway Width.	Lenga	•	Type.	
New Brid	ge	Roadway Width:	Length):	Туре:	
Box Culv	ert	Span:	Rise:	Length:	Туре:	
Culver	:	Diameter:	Length	.	Туре:	
Bridges and Cu	Iverts Size	d 🗌	Yes 🗌 N/A	🗌 Hydra	ulic Analysis P	ending
Other Construction Featur	es:					
Will be designed by						
ESTIMATED COST			* STATE	🖈 FEDERAL	★ OTHER	TOTAL
(in Thousands) ★ OPTIONAL	50.0					50.0
Project Length: (Nearest	Fenth, State Unit	of Measure)	Project No.	:	1	<u>an an a</u>
topoor Longan (rivon vor	0.1 Miles	· · · · · · · · · · · · · · · · · · ·			50-146	
^	0.110000					
Signature:	1 // //	Title:	Highway Supe		Date: 217-15	

<u></u>	way or						10 (1999) (1997)
County: Kearney County 20		Sity:			Village:		landa an
Location Description:		DAENALIS		unati e			
Between Sections 6 A	na / or i / in-r	KIOVV IN KE	earney CC	Juniy			
Also known as S Road	d Block 700						
Existing Surface Type and Stru	ctures: (Such as c	lirt, gravel, aspl	halt, concrete	, culvert, or brid	lge)		
Gravel							
					· · · · · ·		
Average Daily Traffic: 2000 =	= <u>25, 2005</u> =	35		Classification T		on Functional Cla .ocal	ssification Map)
				OVEMENT			
Design Standard Number: RL-3		Surfac	ing	Thickness:	2.0	Width:	26
Grading	Concrete] Right of	fWay	Lighti	ng	
Aggregate	Curb & Gutte	· · · · · · · · · · · · · · · · · · ·		djustments			·····
	Drainage Stru] Fencing	• · · ·	·		
Asphalt	Erosion Cont	rol way Width:] Sidewa	IKS Length:		Type:	
Bridge to Remain in	Place			<u> </u>			
New Bridge	Roady	way Width:		Length:		Туре:	
Box Culvert	Span:		Rise:	Ler	gth:	Type:	
Culvert	Diame	əter:		Length:		Туре:	
Bridges and Culve	rts Sized		Yes 🗌	N/A [Hydrauli	ic Analysis Pe	endina
Other Construction Features:						······································	.
2" gravel							
2" gravel							
2" gravel							
2" gravel							
2" gravel							
2" gravel							
	COUNTY	★ CITY	★ STA	.TE ★ F	EDERAL	★ OTHER	TOTAL
ESTIMATED COST (in Thousands)	COUNTY 8.0	★ CITY	* STA	<u></u>	EDERAL	★ OTHER	TOTAL 8.0
ESTIMATED COST (in Thousands) ★ OPTIONAL Project Length: (Nearest Tenth	8.0			.TE ★ F ect No.:		★ OTHER	

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County:	City:		Village:		
Kearney County 2013-20 Location Description:	14		· · · · · · · · · · · · · · · · · · ·		
Between Sections 21 And 2	8 of T8N-R16V	V in Kearney Cou	ntv		
Delween Sections 21 And 2		v mincarney cou	ity		
Also known as V Road Bloc	k 300				
Existing Surface Type and Structures:	(Such as dirt, grave	, asphalt, concrete, culve	ert, or bridge)	·	
Gravel					
Average Daily Traffic:		Class	ification Type: (As sh	own on Functional C	lassification Map
2000 = 51,				Local	
	PRO			107-14	
Design Standard Number: RL-2	Su	rfacing	ickness: 2.0	Width:	28
Grading Conci		Right of Wa		ghting	
	& Gutter	Utility Adjus		······	
	age Structures			·····	
Asphalt Erosio	on Control	Sidewalks		Tupot	·····
Bridge to Remain in Place	Roadway Widtl	n: Lengt	11.	Type:	
New Deter	Roadway Width	n: Lengt	h:	Туре:	
New Bridge					
Box Culvert	Span:	Rise:	Length:	Type:	
Cultured	Diameter:	Lengt	h:	Туре:	
Culvert				<u></u>	
Bridges and Culverts Size	zed [Yes N/A	🗌 Hydr	aulic Analysis P	ending
Other Construction Features:					
Add 8" clay to existing surface	ice and 2" of C	Gravel			
		✓ ★ STATE	★ FEDERAL	★ OTHER	TOTAL
ESTIMATED COST COUN (in Thousands) 20.0					
★ OPTIONAL					20.0
Project Length: (Nearest Tenth, State L		Project No			
1.0 Mil	∌ \$		<u> </u>	C50-L46	
Signature:	Title		rintondont	Date:	an an Alian Marina
Mar IV At Mar Mar	- · · · · · · · · · · · · · · · · · · ·	Highway Supe	milenueni	10/11/2	

	Form	of Public Road	and Six	(-Yea	r Plai	n	
Hig!	hway	or Stree	t Impro	veme	Village:	roject	
Kearney County	2013-2014					· · · · · · · · · · · · · · · · · · ·	
ocation Description: Between Sections 2	28 And 29 (of T8N-R16W in	n Kearney Cou	inty			
Also known as 22 F	Road Block	2000					
kisting Surface Type and S	Structures: (Su	ich as dirt, gravel, as	phalt, concrete, cul	vert, or bridge	<i>;)</i>	••••••••••••••••••••••••••••••••••••••	
Grade							
verage Daily Traffic:				sification Tyr	e: (As shown	on Functional Cl	assification M
	06 = <u>5</u> , 20	1 5 = <u>6</u>	UIG3	Sincerent typ		ocal	
		PROPC		MENT			· · · · · · · · · · · · · · · · · · ·
esign Standard Number: RL-3		Surfa	cing	hickness:	2.0	Width:	26
Grading [Aggregate] Armor Coat]	☐ Concret ☐ Curb & ⊠ Drainag		 Right of Wa Utility Adjust Fencing 		Lightin	ng	
Asphalt	Erosion	Control [Sidewalks	ıth [.]	<u> </u>	Type:	
Bridge to Remain	n in Place				1		
New Bridg	je	Roadway Width:	Lenç	jth:		Туре:	
Box Culve	ert	Span:	Rise:	Lengt	า:	Туре:	
Culvert		Diameter:	Leng	yth:		Туре:	
Bridges and Cul	verts Size	d 🗌	Yes 🗌 N/A		Hydrauli	c Analysis P	ending
ther Construction Feature	s:						
					DFRAI	★ OTHER	ΤΟΤΑΙ
ESTIMATED COST (in Thousands)		★ CITY	★ STATE	* FEI	DERAL	★ OTHER	TOTAL 8 0
(in Thousands) ★ OPTIONAL	8.0				DERAL	★ OTHER	<u>TOTAL</u> 8.0
(in Thousands) ★ OPTIONAL	8.0 enth, State Unit	t of Measure)	★ STATE Project N		DERAL C50		
(in Thousands)	8.0	t of Measure)		lo.:	C50		

County:	· · · · · · · · · · · · · · · · · · ·	City:		Village:		
Kearney County	2013-2014					در (۱۹۹۹) ه ر ۱ ۹۹۹ میلید.
ocation Description:						
Between Sections	19 And 30 d	of T8N-R16W in	Kearney Cou	nty		
Also known as V F	Road Block 1	100				
xisting Surface Type and	Structures: (Su	ch as dirt, gravel, asp	halt, concrete, culv	ert, or bridge)		
Gravel						
te spectra en la companya de la comp						
Average Daily Traffic:	2 - E1 20	45 - 60	Class	ification Type: (As sho	own on Functional Cl. Local	assification Ma
200)3 = <u>51</u> , 20			AENT	LUCAI	
Design Standard Number:	······································	le de la companya de	Т	nickness:	Width:	
RL-2		Surfac	ing	2.0		28
Grading	Concret	e [] Right of Wa	v 🗌 Lia	hting	
Aggregate	Curb &		Utility Adjus			
Armor Coat		e Structures	Fencing			
Asphalt			Sidewalks	Π		
		Roadway Width:	Leng	:h:	Туре:	n de la composición d
Bridge to Remai	n în Place					
New Brid	ge	Roadway Width:	Leng	i h:	Туре:	
Box Culv	ert	Span:	Rise:	Length:	Type:	
Culver	:	Diameter:	Leng	th:	Туре:	
Bridges and Cu	Iverts Size	d .	Yes 🗌 N/A	🗌 Hydra	ulic Analysis P	ending
Other Construction Featur	es:					
2" layer of Gravel						
			★ STATE	★ FEDERAL	★ OTHER	TOTAL
ESTIMATED COST (in Thousands)						
	8.0					8.0
Project Length: (Nearest		of Measure)	Project No			
A	1,0 Miles	and a second		C	50-L55	
Signature:		Title:	Highway Supe	arintendent	Date: 2-17-15	• •
BCS Form 7, Jul 96	Gentle		nignway Supe		14.1.4	<u></u>

Highway or Street Improvement Project County: Willage: Kearney County 2013-2014 Willage: Between Sections 2/11 T7N R16W in Kearney County Also known as \$ 500 Ensiting Surface Type and Structures: (Such as dirf, gravef, asphalt, concrete, culvert, or bridge) Asphalt Average Daily Traffic: 2003 = 51, 2013 = 60 Classification Type: (As shown on Functional Classification May Local Design Standard Number: Surfacing Thickness: 6.0 Width: RL-2 Surfacing Thickness: 6.0 Width: Design Standard Number: Surfacing Thickness: 6.0 Width: RL-2 Surfacing Thickness: 6.0 Width: 22.0 Grading Concrete Right of Way Lighting 4.0 22.0 Asphalt Erosion Control Sidewalks					Sec Sec.	ns and Standa - Year P		
Kearney County 2013-2014 Location Description: Between Sections 2/11 T7N R16W in Kearney County Also known as S 500 Existing Surface Type and Structures: (Such as dirit, gravel, asphalt, concrete, culvert, or bridge) Asphalt Average Daily Traffic: 2003 = 51, 2013 = 60 ProposeD IMPROVEMENT Design Standard Number: RL-2 Surfacing Oraning Concrete Right of Way Armor Coat Drainage Structures Fencing Armor Coat Drainage Structures Fencing Asphalt Bridge to Remain in Place Roadway Width: Length: Type: Bridges and Culvert Span: Rise: Length: Type: Sprint: Priget Cost & Colvert Span: Rese: Length: Type: Culvert Drainales: Vestor N/A <tr< th=""><th>Hi</th><th>ghway</th><th>or Str</th><th>reet li</th><th>mpro</th><th>vement</th><th>Project</th><th></th></tr<>	Hi	ghway	or Str	reet li	mpro	vement	Project	
Location Description: Between Sections 2/11 T7N R16W in Kearney County Also known as S 500 Existing Surface Type and Structures: (Such as dirf. gravel, asphalt, concrete, culvert, or bridge) Average Daily Traffic: 2003 = 51, 2013 = 60 PROPOSED IMPROVEMENT Design Standard Number: RL-2 Surfacing Grading Grading Grading Concrete Rgpt of Way Lighting Grading Grading Concrete Robot & Gutter Drainage Structures Bridge to Remain in Place New Bridge Roadway Width: Bridge to Remain in Place New Bridge Roadway Width: Ength: Type: Box Culvert Diameter: Culvert Bridges and Culverts Sized Cher Construction Features: ESTIMATED COST ★ COUNT Culvert	-	ty 2012 2014				Village:	· · · ·	
Between Sections 2/11 T7N R16W in Kearney County Also known as S 500 Exeling Surface Type and Structures: (Such as dirt, gravel, asphalt, concrete, culvert, or bridge) Asphalt Average Daily Traffic: 2003 = 51, 2013 = 60 Classification Type: (As shown on Functional Classification May Local Design Standard Number: RL-2 Surfacing Thickness: 6.0 Width: 22.0 Grading Corrols & Gutter PROPOSED IMPROVEMENT Lighting Design Standard Number: RL-2 Surfacing Thickness: 6.0 Width: 22.0 Grading Corrols & Gutter Ulility Adjustments		19 2013-2014			<u>na seren na seren</u> Politika			
Existing Surface Type and Structures: (Such as dirt, gravel, asphalt, concrete, culvert, or bridge) Asphalt Average Daily Traffic: Classification Type: (As shown on Functional Classification May Local 2003 = 5,1, 2013 = 60 Excellent Type: (As shown on Functional Classification May Local Local Design Standard Number: RL-2 Surfacing Thickness: Width: RL-2 Surfacing Concrete Right of Way Lighting 22.0 Grading Concrete Right of Way Lighting 22.0 Aggregate Curb & Gutter Utility Adjustments		s 2/11 T7N R	16W in Kea	arney Cou	nty			
Asphalt Average Daily Traffic: Classification Type: (As shown on Functional Classification May Local PROPOSED IMPROVEMENT Design Standard Number: Surfacing Thickness: With: Design Standard Number: Surfacing Thickness: 0 Grading Concrete Right of Way Lighting Aggregate Curb & Gutter Utility Adjustments	Also known as S	500						
Asphalt Average Daily Traffic: Classification Type: (As shown on Functional Classification May Local PROPOSED IMPROVEMENT Design Standard Number: Surfacing Thickness: With: Design Standard Number: Surfacing Thickness: 0 Grading Concrete Right of Way Lighting Aggregate Curb & Gutter Utility Adjustments								
Asphalt Average Daily Traffic: Classification Type: (As shown on Functional Classification May Local PROPOSED IMPROVEMENT Design Standard Number: Surfacing Thickness: With: Design Standard Number: Surfacing Thickness: 0 Grading Concrete Right of Way Lighting Aggregate Curb & Gutter Utility Adjustments	Existing Surface Type ar	nd Structures: (Su	ich as dirt. grave	el. asphalt. co	ncrete, culver	t. or bridge)		
Classification Type: (As shown on Functional Classification May Local PROPOSED IMPROVEMENT Design Standard Number: Curvet: Surfacing Thickness: G.0 22.0			ion de ant, gran	,,,		,		
2003 = 51, 2013 = 60 Local PROPOSED IMPROVEMENT Design Standard Number: RUFacing Thickness: Width: Design Standard Number: RL-2 Surfacing Thickness: Width: 22.0 Aggregate Curb & Gutter Hight of Way Lighting 22.0 Aggregate Curb & Gutter Utility Adjustments								
2003 = 51, 2013 = 60 Local PROPOSED IMPROVEMENT Design Standard Number: Culve Surfacing Thickness: Width: Design Standard Number: RL-2 Surfacing Thickness: Width: 22.0 Aggregate Curb & Gutter Hight of Way Lighting 22.0 Aggregate Curb & Gutter Utility Adjustments								
2003 = 51, 2013 = 60 Local PROPOSED IMPROVEMENT Design Standard Number: RUFacing Thickness: Width: Design Standard Number: RL-2 Surfacing Thickness: Width: 22.0 Aggregate Curb & Gutter Hight of Way Lighting 22.0 Aggregate Curb & Gutter Utility Adjustments								
2003 = 51, 2013 = 60 Local PROPOSED IMPROVEMENT Design Standard Number: RL-2 Surfacing Thickness: Width: 2.0		· · · · · · · · · · · · · · · · · · ·						
PROPOSED IMPROVEMENT Design Standard Number: RL-2 Surfacing Thickness: 6.0 Width: 22.0 Grading Aggregate Curb & Gutter Utility Adjustments Armor Coat Armor Coat Asphalt Erosion Control Sidewalks Erosion Control Sidewalks Bridge to Remain in Place Roadway Width: Eength: Type: Readway Width: Length: Type: Readway Width: Length: Type: Type: Type: Type: Project Longth: Yrpe: Type: Type: Type: Type: Type: Type: Project No.: C50-L56 Project Length: Veagregate Project Length: Span: Span: Rise: Length: Type: Length: Type: Type: Type: Span: Project No.: C50-L56 Span: Span: Span: Project No.: C50-L56 Span: Span		03 = 51 20	13 = 60		Classif	cation Type: (As sho		ssification Map)
Design Standard Number: RL-2 Surfacing Thickness: 6.0 Width: 22.0 S Grading Concrete Right of Way Lighting 22.0 Aggregate Curb & Gutter Utility Adjustments		<u>, , , , , , , , , , , , , , , , , , , </u>		OPOSED I	MPROVEM	ENT	LUUUI	<u>an an an an An</u> taine An Anna an Anna
Grading Concrete Right of Way Lighting Aggregate Curb & Gutter Utility Adjustments					<u></u>	kness:	Width:	22.0
New Bridge Span: Rise: Length: Type: Culvert Diameter: Length: Type: Bridges and Culverts Sized Yes N/A Hydraulic Analysis Pending Other Construction Features: Yes N/A Hydraulic Analysis Pending EstIMATED COST (in Thousands) * OPTIONAL * COUNTY * CITY * STATE * FEDERAL * OTHER TOTAL Project Length: (Nearest Tenth, State Unit of Measure) 0.5 Miles Project No.: Project No.: C50-L56	☐ Armor Coat ☑ Asphalt	Drainag	e Structure Control	s 🔲 Fe 🗌 Sic	ncing lewalks		Туре:	
Box Culvert Diameter: Length: Type: Bridges and Culverts Sized Yes N/A Hydraulic Analysis Pending Other Construction Features: Yes N/A Hydraulic Analysis Pending ESTIMATED COST (in Thousands) * OPTIONAL * COUNTY * CITY * STATE * FEDERAL * OTHER TOTAL Project Length: (Nearest Tenth, State Unit of Measure) Project No.: C50-L56	New Bri	dge	Roadway Wid	th:	Length:		Туре:	
Culvert Yes N/A Hydraulic Analysis Pending Other Construction Features: Other Construction Features: Image: Construction Features: ESTIMATED COST * COUNTY * CITY * STATE * FEDERAL * OTHER TOTAL (in Thousands) 125.0 125.0 125.0 125.0 125.0 Project Length: (Nearest Tenth, State Unit of Measure) Project No.: C50-L56 C50-L56	Box Cul	vert	Span:	Rise	•	Length:	Length: Type:	
Other Construction Features: ESTIMATED COST * COUNTY * CITY * STATE * FEDERAL * OTHER TOTAL (in Thousands) 125.0 125.0 125.0 125.0 Project Length: (Nearest Tenth, State Unit of Measure) Project No.: C50-L56	Culve	rt	Diameter:		Length	•	Туре:	
ESTIMATED COST (in Thousands) ★ OPTIONAL ★ CUNTY ★ CITY ★ STATE ★ FEDERAL ★ OTHER TOTAL 125.0 125.0 125.0 125.0 125.0 125.0 Project Length: (Nearest Tenth, State Unit of Measure) 0.5 Mjles Project No.: C50-L56 C50-L56	Bridges and C	ulverts Size	d	Yes	N/A	🗌 Hydra	ulic Analysis Pe	nding
ESTIMATED COST (in Thousands) ★ OPTIONAL A COONTAL OTHER OTHER 125.0 125.0 125.0 125.0 Project Length: (Nearest Tenth, State Unit of Measure) 0.5 Miles Project No.: C50-L56	Other Construction Feat	ures:						
ESTIMATED COST (in Thousands) ★ OPTIONAL COUNTY COUNTY 125.0 125.0 125.0 Project Length: (Nearest Tenth, State Unit of Measure) 0.5 Miles Project No.:								
(in Thousands) ★ OPTIONAL 125.0 125.0 125.0 Project Length: (Nearest Tenth, State Unit of Measure) Project No.: C50-L56 0.5 Miles C50-L56	ESTIMATED COST	* COUNTY	🕈 CIT	Y	STATE	★ FEDERAL	★ OTHER	TOTAL
Project Length: (Nearest Tenth, State Unit of Measure) 0.5 Miles C50-L56	(in Thousands)	125.0						125.0
					Project No.:		50-L56	and a second second second second second second second
Highway Superintendent 2-17-15	Signature/			ə:	<u> </u>		Date:	

0.5 Miles	
Signature	Title: Highway Superintendent
NBCS Form 7, Jul 96	

County:		City:		Village:			
Kearney Count	/ 2013-2014						
ocation Description:	·	DACIAL In Kanne					
West Side of Sect	ion 30 17 N, I	R low in Keame	e county				
	David Diable	1 400					
Also known as 20	Коад Вюск	1400					
xisting Surface Type and			alt, concrete, culver	t, or bridge)			
Deficient Wood S	ructure C008	5000110					
Gravel Road							
			Closeif	action Type: (Ac she	own on Functional Cla	esification Ma	
verage Daily Traffic: 20	07 = 20, 20	17 = 25	CidoSili	cation type. (As she	Local	ចេចកាលដល់ការអំណុ	
	<u> </u>	in the second		ENT			
esign Standard Number	<u>an an a</u>		Thic	kness:	Width:		
RL-3		Surfac	Ing	2.0		26.0	
Grading	Concrete	e –] Right of Way	🗌 Lig	hting		
Aggregate	Curb & C		Utility Adjustr	and the second			
Armor Coat		e Structures	Fencing	Π			
Asphalt			Sidewalks	Ē			
The second second second		Roadway Width:	Length		Туре:		
Bridge to Rema	in in Place			all de la companya d La companya de la comp	_		
New Brid	lge	Roadway Width:	Length		Туре:	l ype:	
Box Culv	t	Span:	Rise:	Length:	Туре:		
Box Cun		20	8.0	40.0	Type:	BC	
Culver	t	Diameter:	Length		Type.		
Bridges and C	ulvorte Sizo		res □ N/A	Hvdra	ulic Analysis Pe	endina	
ther Construction Featu	res:						
/ill Have Hyd Ana	ilysis for Sizii	ng of New Struc	ture				
			A A	A CEDEDAL	★ OTHER	TOTAL	
ESTIMATED COST		★ CITY	★ STATE	★ FEDERAL	TUINER	and the second	
(in Thousands) ★ OPTIONAL	50.0					50.0	
			A second seco	I state in the state of the	 A set of the set of		
niect Length: (Nearest	Tenth. State Unit	of Measure)	Project No.:				
roject Length: (Nearest	Tenth, State Unit Q.5 miles	of Measure)	Project No.:		50-L58 Date:		

NBCS Form 7, Jul 96

County:	City:			Village:	<u></u>	
Kearney County 2013-201	4					
Location Description:						
West Side of Section 30 of T	/N-R16W IN Ke	arney Cour	ity			
Also known as 20 Road Bloo	1400					
Also known as 20 Road Bloc	K 1400					
	<u> </u>		·			
Existing Surface Type and Structures: (sphalt, concrete	e, cuivert, c	or bridge)		
Deficient Wood Structure C5	0000110					
Gravel Road						
Glaver I Gau						
A			Clossifier	tion Type: (As show	n on Eurotional (Nanification Man)
Average Daily Traffic: 2007 = <u>20</u> , 2	2017 = 25	afat e se ta se	Classifica		Local	Jassincation Map)
2007 - 20, 1			OVEMEN		Local	
Design Standard Number:			Thickn		Width	:
RL-3	Surfa	acing		2.0		26.0
Grading Concr	ete	Right o	fWay	🗌 Light	ting	
	& Gutter	Utility A				
	ge Structures		-			
	n Control	Sidewa		Π		
	Roadway Width		Length:		Type:	and the second s
Bridge to Remain in Place	70165					
New Bridge	Roadway Width:		Length:	· · · · · · · · · · · · · · · · · · ·	Type:	
Box Culvert	Span: 20.0	Rise: 8.	0	Length: 40.0	Type:	CBC
Culvert	Diameter:		Length:		Type:	
Bridges and Culverts Siz	ed 🗌	Yes 🗌	N/A	🗌 Hydrau	lic Analysis I	Pending
Other Construction Features:				<u> </u>		in and the second second
Will have Hyd Analysis for S	izing of New St	ructure				
				A	+	TOTAL
		🕈 STA		★ FEDERAL	★ OTHER	TOTAL
(in Thousands) ★ OPTIONAL 50.0						50.0
Project Length: (Nearest Tenth, State U		Proj	ect No.:			· · · · · · · · · · · · · · · · · · ·
0.5 Mile	\$			C50	0-L59	
Signature:	Title:	Highway S	Superin	tendent	Date:	>
BCS Form 7, Jul 96	<u></u>				•	

							ta bila a substant substant
County: Kearney County	2013-2014	City:			Village:		
Location Description:	y 2013-2014	<u> </u>			· · · · · · · · ·		<u></u>
In Sections 21,22,	23, and 24 c	f T8N-R14W i	in Kearney	County			
Also known as Ca	rpenter Road	d blocks 1500	, 1600, 170	0 and 1	800		
					·		
Existing Surface Type and	d Structures: (Su	ch as dirt, gravel, a	sphalt, concrete	e, culvert, o	or bridge)		
Gravel							
Average Daily Traffic:				Classifica	tion Type: (As show	vn on Functional C	lassification Map)
	3 = <u>150</u> , 20	13 = <u>175</u>				er Arterial	
		PROP	OSED IMPR				
Design Standard Number ROA-3		Surfa	acing	Thickr	ness: 6.0	Width:	22.0
Grading	Concret	e	Right o	f Way	🗌 Ligh	ting	
Aggregate	Curb & C		Utility A	-	ents 🔲		
Armor Coat		e Structures		-			
🛛 Asphalt	Erosion		Sidewa	· · · · · ·			
Bridge to Remai	in in Place	Roadway Width:		Length:		Type:	
New Bric	lge	Roadway Width:		Length:		Type:	
Box Culv	vert	Span:	Rise:		Length:	Туре:	
Culver	t	Diameter:		Length:		Туре:	
Bridges and C	ulverts Size	d	Yes 🗌	N/A	🗌 Hydrau	ılic Analysis F	Pending
Other Construction Featu	res:						
a da anta Anta anta Anta anta anta anta anta							
and and a second se Second second							
		★ CITY	★ ST/		★ FEDERAL	★ OTHER	TOTAL
ESTIMATED COST (in Thousands) ★ OPTIONAL	★ COUNTY 200.0				800.0		1000.0
Project Length: (Nearest	Tenth. State Unit	of Measure)	Proi	ect No.:			<u> </u>
M	4.0 Miles				C5	0-N33	
Signature:	l de la	Title:	Highway	Superin	tendent	Date: 2-17-15	
IBCS Form 7, Jul 96	-> PAN						

County: Kearney County 201	3-2014	City:			Village:			
Location Description: Between Sections 1 T7 Also known as T 2400		And Section 3	6 T8N F	:13W in	Kearney Cou	nty		
Existing Surface Type and Struct Gravel	ures: <i>(Such</i>	as dirt, gravel, asph	alt, concre	te, culvert,	or bridge)			
Average Daily Traffic: 2007 =	<u>30,</u> 201 7	' = 35		Classific	ation Type: (As sho	own on Functional C Local	lassification Map)	
		PROPOS		OVEME	NT			
Design Standard Number: RL-3		Surfaci	ng	Thick	ness: 2.0	Width:	26.0	
Aggregate C (Concrete Curb & Gu Drainage S Erosion Co	Structures	Right of Utility Fencir Sidewa	Adjustm g	- 1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 199	hting		
Bridge to Remain in	Place R	oadway Width:		Length:		Туре:		
New Bridge	R	oadway Width:		Length:		Туре:		
Box Culvert	S	ban:	Rise:		Length:	Туре:		
Culvert	Di	ameter:		Length:		Type:		
Bridges and Culver	s Sized	🗆 Y	′es 🗌	N/A	🗌 Hydra	ulic Analysis F	Pending	
Other Construction Features: Replace or Extend Exis 2" Layer of Gravel	ling Culve	rts						
(in Thousands)	COUNTY 8.0		<u>★ ST</u>	ATE	★ FEDERAL	★ OTHER	TOTAL 8.0	
Project Length: (Nearest Tenth,	State Unit of	Measure)	Pro	ject No.:				
1. Signature:		Title:			C	50-N36 Date: 2-17-15		

County: Kearney County 2	014-2015	City:			Village:			
ocation Description: Beginning at the Nor 25, T5N, R16W also	thwest Cor	ner of Section 3 B Road, 200, 3	32 comme 00,400, 5	encing e 00 and (ast to the so 600 Blocks	utheast corne	r of section	
Existing Surface Type and St Asphalt	ructures: <i>(Suci</i>	h as dirt, gravel, aspi						
Average Daily Traffic: 2015 =	= <u>400</u> , 20 3				Otl	wn on Functional (ner Arterial	Classification Map)	
Design Standard Number: ROA3		PROPOS Surfac	SED IMPRO	Thickne		Width	: 20'	
□ Grading □ □ Aggregate □ ⊠ Armor Coat □ □ Asphalt □ Bridge to Remain □	Erosion (utter Structures] Right of] Utility A] Fencing] Sidewa	djustme I		hting Type:		
New Bridge	,	Roadway Width:		Length:		Туре:	Туре:	
Box Culvert Span: Culvert Diameter:			Rise: Length: Length:		Туре: Туре:			
Bridges and Culv	erts Sized		res 🛛	N/A	🗌 Hydra	ulic Analysis	Pending	
Other Construction Features: pavement marking								
			🕈 STA	ТЕ	FEDERAL	★ OTHER	TOTAL	
(in Thousands)	110						110	
Project Length: (Nearest Ter	th, State Unit of 5.0 Miles	f Measure)	Proj	ect No.:	C5	0-B-200		
Signature	M	Title:	Highway	Superint	endent	Date: /-2	3-15	

Llia	Form	7 On	ie- and	d Six-'	and Standard Year Pla	n	
Eounty:	nway		eetm	iprove	ement F	Toject	
Kearney County	2014-2015						
ocation Description: Between Sections mile.	35 & 26 of T	ownship (3 North (T6	N), Range	15 West (R15)	V), the west	nalf (1/2)
Also known as H F	Road Block	1100					
Existing Surface Type and	Structures: (Su	ch as dirt, gra	vel, asphalt, cor	ncrete, culvert,	or bridge)		
Gravel							
Average Daily Traffic:		<u></u>		Classifica	ition Type: (As show	n on Functional (Classification Map
201	5 = <u>75</u> , 203	5 = <u>150</u>				Local	
		P	ROPOSED IN			10/2-14	
Design Standard Number: RL3		S	urfacing	Thick	1ess: 2 [®]	Width	20 *
Grading Grading Aggregate Armor Coat Asphalt	Concrete Curb & Curb & C Drainage Erosion	Gutter e Structur Control	es D Fen	ht of Way ity Adjustm icing ewalks	Ligh ents		
Bridge to Remai	n in Place	Roadway W		Length:		Type:	
New Brid	ge	Roadway W	uun.	Lengur.		Type.	
Box Culv	ert	Span:	Rise:	· · · · · · · · · · · · · · · · · · ·	Length:	Туре:	
Culver	E	Diameter:	15	Length:	40	Туре:	СМР
Bridges and Cu	Iverts Sized	1	Yes	□ N/A	🛛 Hydrau	ilic Analysis I	Pending
Other Construction Featur We will raise the R		match the	e intersectio	on and insta	all an equalizer	culvert	
ESTIMATED COST	* COUNTY	* C	ITY 🖈	STATE	★ FEDERAL	★ OTHER	TOTAL
(in Thousands) ★ OPTIONAL	8						8
Project Length: (Nearest	Tenth, State Unit 0.2 Miles	of Measure)		Project No.:	C50-	H-1100	
	0.12			1	000	11 1100	

			• • • • • • • • • • • • • • • • • • •	1111-11-11-1-1				<u></u>
County: Kearney County	y 2013-2014	City:			Villag	e:		
Location Description:								
Beginning in the N	W corner of	Section 21	T7N R16W	Thence				
Eastward to the S								
			/////////					
		20						
Also known as P I	Road block 3	J O						
Existing Surface Type and	d Structures: (Suc	h as dirt, grave	l, asphalt, concre	te, culvert, d	or bridge)	gen (
Gravel								
A second s								
an Alan An Alan Alan								
		and and a second se						<u> </u>
Average Daily Traffic:				Classifica	tion Type: (As		ctional Classification	n Map)
20	12 = <u>35</u> , 202	22 = <u>45</u>				Local		
		PR	OPOSED IMPR	ROVEMEN	1T			
Design Standard Number	:	Su	rfacing	Thickr			Width:	
RL-3			macing		2.0		26.0	<u> </u>
🛛 Grading	Concrete)	Right of	of Way	L	ighting		
Aggregate	Curb & C			Adjustme		0 0		
	- Learner -			•				
	·	Structure		•	님		· · · · · · · · · · · · · · · · · · ·	
Asphalt	Erosion		Sidew					
Bridge to Remai	in in Place	Roadway Wid	h:	Length:		Туре		
New Bric	lge	Roadway Wid	h:	Length:	·	Туре	•	
Box Culv	vert	Span:	Rise:		Length:	Туре	:	
<u> </u>		Diameter:		Length:		Туре		
Culver	(30.0		40.0		CMP	
Bridges and Cu	ulverts Sized		🗌 Yes 🗌	N/A	🗌 Hyc	Iraulic Ana	lysis Pending	
Other Construction Featu	res:							
2" Gravel								
1-CMP 30"x40'								
· · · · · · · · ·				1.000	-			
ESTIMATED COST	* COUNTY		Y 📩 🖈 ST		* FEDERAL	. 📌 OTI	HER TOT	ſAL
(in Thousands)	8.0						8.	.0
Project Length: (Nearest		of Measure)	Pr	oject No.:		C50-P-300		
A A	1.0 miles							
Signature:	1.12	Title		Cunorin	tondent	Date:	7-15	
March	my		Highway	Superin	tenuent	1 21	113	

NBCS Form 7, Jul 96

County:	City:			Village:		
Kearney County 2013-20	J14	<u></u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>	
Between Sections 2 & 11.	T7N, R16W ir	n Kearney C	ounty			
West of 1/2 mile line						
Also known as S 500						
Existing Surface Type and Structures:	(Such as dirt, gra	avel, asphalt, con	crete, culve	rt, or bridge)		
Gravel						
A				insting Types (As she	un en Eurotional O	(application Man)
Average Daily Traffic: 2013 = 50	2023 = 75		Classi	ication Type: (As sho	Local	assincation map)
		ROPOSED IM	PROVEM	ENT	Looui	
Design Standard Number: RL-2		Surfacing	Contract in the second	ckness: 6.0	Width:	22.0
			nt of Way		nting	
Aggregate Curb	& Gutter age Structur	Utili	ty Adjust			
🛛 Asphalt 🛛 Eros	ion Control	Side	walks	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
Bridge to Remain in Plac	Roadway W	'idth:	Length	:	Туре:	eren 1995 - Stan Stan 1996 - Stan Stan Stan
New Bridge	Roadway W	'idth:	Length	:	Type:	
Box Culvert	Span:	Rise:		Length:	Туре:	
Culvert	Diameter:		Length		Type:	
Bridges and Culverts S	ized	Yes	N/A	🗌 Hydra	ulic Analysis P	ending
Other Construction Features:						
Contracted Surfacing						
ESTIMATED COST 🔺 COUN	ITY 🕇 C	ITY 🕇	STATE	★ FEDERAL	★ OTHER	TOTAL
(in Thousands) ★ OPTIONAL 125.0						125.0
Project Length: (Nearest Tenth, State			Project No.		D-S-550	
Signature:	_	^{itle:} Highw	ay Super	intendent	Date: 2-17-15	*
BCS Form 7, Jul 96						

Countri	Ci+	<u></u>	\/illog	-	· · · · · · · · · · · · · · · · · · ·
County: Kearney County 2014-2015	City:	•	Village:		
Location Description:		· · ·			1. 1
Beginning at the Northwest co	rner of Section 2	8 of Townshi	n 8 North (T8N)	Range 14 We	st (R14W/)
commencing easterly to the so (R14W).					
Also know as V Road Blocks	1500 and 1600				
AISO KHOW AS V ROAD DIOCKS	1500 and 1000.				
· · ·					
Existing Surface Type and Structures: (Su	uch as dirt, gravel, asph	alt, concrete, culv	ert, or bridge)		
Gravel					
Average Daily Traffic:		Class	sification Type: (As sho	own on Functional C	lassification Map)
2015 = <u>200</u> , 20)35 = <u>350</u>			Local	
	PROPOS	ED IMPROVE	MENT		
Design Standard Number:	Surfaci		nickness:	Width:	
RL1	Junder	iig	6"		22'
Grading Concret	te 🗌	Right of Wa	iy 🗌 Lig	hting	
Aggregate Curb &	Gutter	Utility Adjus	tments 🗌		
	e Structures	Fencing			· · · · · · · · · · · · · · · · · · ·
	Control	Sidewalks			
	Roadway Width:	Leng	th:	Type:	
Bridge to Remain in Place				Tumor	
New Bridge	Roadway Width:	Leng		Туре:	
Box Culvert	Span:	Rise:	Length:	Туре:) در ۱۹۹۵ - ۲ مرکز در در ۱۹۹۵ - ۲۰۰۰ می
Culvert	Diameter:	Leng	th: 40	Туре:	CMP
Bridges and Culverts Size	d 🗌 Y	′es 🛛 N/A	🗌 Hydra	ulic Analysis P	ending
Other Construction Features:			· · · · · · · · · · · · · · · · · · ·		
New Ashphalt from gravel and	Pavement marki	ngs			
					·
ESTIMATED COST 🕇 COUNTY		* STATE	★ FEDERAL	★ OTHER	TOTAL
(in Thousands) ★ OPTIONAL 800					800
A OPTIONAL	t of Measura)	Project No	<u> </u>		
Project Length: (Nearest Tenth, State Unit 2.0 Miles				D-V-1500	
Signaturey	Title:			Date	
Kmall I han At		lighway Supe	erintendent	1-23-	2015
BCS Form 7, Jul 96					

County:	v 2013_2014	City:		V	illage:	andar andar andar andar Aliana Danar anganan anganan
Kearney Count ocation Description:	y 2013-2014					<u> </u>
Begin at the SE c to corner of SW 1	/4 of Section		orth 1/4 of	Mile		
In Kearney Count Also known as 24		1900				
AISO KHOWH as 24	RUAU DIUCK	1000				
Existing Surface Type an	d Structures: (Su	ich as dirt, gravel, asp	halt, concrete,	culvert, or bridge)	<u> </u>	
Dirt/Gravel						
Average Daily Traffic:			C	Classification Type:	As shown on Funct	ional Classification Ma
)13 = <u>5</u> , 202				nimum Mainte	nance
		PROPO	SED IMPRO		· · · · ·	14/2-121
Design Standard Number RL-3	•	Surfac	sing	Thickness:	.0	Width: 20.0
Grading		e l] Right of	Wav 🔽	Lighting	
Aggregate		-	-	ljustments]	
Armor Coat		e Structures	 Fencing	Ē]	
Asphalt			 Sidewalk	ks 🗌]	
Bridge to Rema		 Roadway Width:	L	ength:	Туре:	
New Brid		Roadway Width:	L	ength:	Туре:	
Box Culv		Span:	Rise:	Length:	Туре:	<u>ere en altra de la construcción de</u> Construcción de la construcción de l Construcción de la construcción de l
Culver	t	Diameter:		ength:	Туре:	
Bridges and C	ulverts Size	d 🗌	Yes 🗌 N	N/A 🗌 H	Hydraulic Analy	sis Pending
Other Construction Featu				· · · · · · · · · · · · · · · · · · ·		
	· · · ·					
Moving from Minin	num Mainten	ance to Local F	load			
ESTIMATED COST			🖈 STAT	E 🕇 FEDEI	RAL 🕈 OTH	ER TOTAL
(in Thousands) ★ OPTIONAL	5.0					5.0
Project Length: (Nearest	Tenth, State Unit	of Measure)	Proje	ct No.:		
J	· · · · · ·					
Signature:	0.2 miles	Title:			C50-24-1800	

County:	City:		Village		
Kearney County 2014-20					
ocation Description:			· · · · · · · · · · · · · · · · · · ·		
Between Sections 18 & 17 d	of Township 6 N	lorth (T6N), Rang	e 15 West (R1	5W), the north q	uarter (1/4
of a mile.					
Also known as 27 Road Blo	ock 1000				
Existing Surface Type and Structures:	(Such as dirt aravel	asphalt concrete culve	rt or bridge)		
Gravel	(Such as unit, graver,	asphan, concrete, curve	n, or bridge)		
Glavei					
			· · · · · · · · · · · · · · · · · · ·		
Average Daily Traffic:	0025 - 150	Classi	ication Type: (As sh	nown on Functional Cla	issification Ma
2015 = <u>75</u> , 2				Local	
Design Standard Number:			ckness:	Width:	
RL3	Sur	facing [''"	2 ¹¹	VVICUT.	20 [®]
Grading Conc		Right of Way	· ·	ghting	
	& Gutter	Utility Adjust	ments 📋		
	age Structures	E Fencing	<u> </u>		
Asphalt Erosi	on Control	Sidewalks		·····	·····
Bridge to Remain in Plac	Roadway Width:	Length	1.	Type:	
Bridge to Kernam in Fido		Longth		Туре:	<u></u>
New Bridge	Roadway Width:	Length	I.	i ype.	
Box Culvert	Span:	Rise:	Length:	Туре:	<u>na serence da serence se serence da serenc Serence da serence da se</u>
Box Cuivert					
Culvert	Diameter:	Length	40	Type:	MP
				· · · · · · · · · · · · · · · · · · ·	
Bridges and Culverts Si	zed 🛛	Yes N/A	🖂 Hydra	aulic Analysis Pe	ending
Other Construction Features:					
We will raise the Road 2 fee	to match the ir	tersection and ins	stall an equaliz	er culvert	
			★ FEDERAL	★ OTHER	TOTAL
ESTIMATED COST \star COUN		★ STATE	FEDERAL	× OTHER	IUTAL
(in Thousands) ★ OPTIONAL 6					6
Project Length: (Nearest Tenth, State I	Init of Measure)	Project No.	<u> </u>	<u> </u>	
Project Length: (Nearest Tenth, State C		i Tojeci NO.		0-27-1000	
Signature:	Title:	<u> </u>		Date:	
all Ander	1.10	Highway Super	rintendent	1-23	-2015
BCS Form 7, Jul 96					<u> </u>

	f Public Roads				
Form Highway	7 One- a				
County: Kearney County 2013-2014	City:		Village:		
Location Description: Begin at the NW corner of Sec to the SE corner of Section 35 In Kearney County Also known as 31 Road Blocks	, T5N, R15W s 100				
Existing Surface Type and Structures: <i>(Su</i> Dirt	ch as dirt, gravel, asp	halt, concrete, culver	t, or bridge)		
Average Daily Traffic: 2011 = <u>25</u> , 20	21 = <u>50</u>	Classifi	cation Type: (As sho	wn on Functional Cla Local	assification Map)
Design Standard Number:	PROPOS Surfac	SED IMPROVEMI	ENT kness:	Width:	
☑ Grading ☐ Concrete ☑ Aggregate ☐ Curb & C ☐ Armor Coat ☑ Drainage ☐ Asphalt ☐ Erosion	Gutter	Right of Way Utility Adjustr Fencing Sidewalks	ments	hting Type:	
Bridge to Remain in Place	Roadway Width:	Length:	· · · · · · · · · · · · · · · · · · ·	Туре:	
New Bridge	Span:	Rise:	Length:	Туре:	
Box Culvert		Length:	·	Туре:	
Culvert	Diameter: 24.0	Lengui.	40.0		MP
Bridges and Culverts Size	d 🗌 🗌 🔪	Yes 🗌 N/A	🗌 Hydra	ulic Analysis Pe	ending
Other Construction Features: There will be a total of (3) 24"x4 Replacing Existing CMP's	40' CMP's in this	s project			
		★ STATE	★ FEDERAL	★ OTHER	TOTAL

Project Length: (Nearest Tenth, State Unit of Measure) Project No.: C50-31-100 Date: 2-17-15 Title: Signature M Highway Superintendent NBCS Form 7, Jul 96

County: KEARI	NEY	City:		Village	• •	
ocation Description:						
BETWEEN SECT ALSO KNOWN A			, in Kearney (County		
	0 04 100 10					
Existing Surface Type an	d Structuros: /Su	ch as dirt gravel asph	alt concrete culu	art or bridge)		
BRIDGE		un as unt, graver, aspin	an, concrete, curve	en, or bridge)		
Average Daily Traffic:			Class	ification Type: (As sl		onal Classification Map,
201	14 = <u>50</u> , 203	· ····································		/FNT	LOCAL	
Design Standard Number	•	Surfaci	Т	ickness:	. 1	Width:
RL2				2"	- 1- 12	20'
 ☑ Grading ☑ Aggregate 	Concret	and the second	Right of Wa Utility Adjus		ghting	
Armor Coat		e Structures	Fencing			
Asphalt	Erosion		Sidewalks			
Bridge to Rema	in in Place	Roadway Width:	Lengt	h:	Туре:	
New Brid	lge	Roadway Width:	Lengt	h:	Type:	
Box Culv	/ert	Span:	Rise:	Length:	Type:	
Culver	t	Diameter: 72	Lengt	h: 40"	Туре:	CMP
Bridges and C	ulverts Size	1 🛛 Y	′es 🗌 N/A	🛛 Hydr	aulic Analy	sis Pending
Other Construction Featu			<u> </u>			<u>an an a</u>
REMOVAL OF ST	EEL BRIDG	E IN IRRIGATIO	N CANAL RE	PLACE WITH (CMP WITH	HEADWALL
ESTIMATED COST			* STATE	★ FEDERAL	🖈 OTHE	R TOTAL
(in Thousands)	20					20
				1		
OPTIONAL Project Length: (Nearest		of Measure)	Project No		0_3/_1600	
	Tenth, State Unit .10 MILE	of Measure)	Project No		0-34-1600 Date:	

County:		City:	<u></u>	Village:	· • • · · · · · · · · · · · · · · · · ·	
Kearney County 20	13-2014					a da anti-arte a da anti- arte <u>arte</u> a transmissiones de la composición de la composición de la composición de la composición de la compo arte da arte da
Location Description:						
Begin at the SE corne				-		
to the NW corner of S			cearney Count	y		
Also known as 38 Ro	ad Blocks	s 1100 & 1200				
Existing Surface Type and Stru	ictures (Su	ch as dirt gravel asph	alt concrete culver	t or bridge)	n an	
Dirt/Gravel	1010103. (00	on as ant, gravoi, aoph		i, or bindgoy		
Average Daily Traffic:			Classifi	cation Type: (As sho	wn on Functional C	Classification Map)
2013	= <u>5</u> , 202	23 = <u>50</u>		Minim	um Maintence)
		PROPOS	ED IMPROVEM			
Design Standard Number: RL-3		Surfaci	ng	kness: 2.0	Width	20.0
Grading	Concrete	e	Right of Way	Liql	nting	
Aggregate	Curb & C	\sim \sim \sim \sim \sim \sim \simeq	Utility Adjustr	· · · · · · · · · · · · · · · · · · ·		
Armor Coat		e Structures	Fencing	Π		
Asphalt	Erosion		Sidewalks			
Bridge to Remain ir	1 Place	Roadway Width:	Length		Туре:	
New Bridge		Roadway Width:	Length		Туре:	
		Span:	Rise:	Length:	Type:	<u></u>
Box Culvert				·	Tumor	
Culvert		Diameter: 24.0	Length	40.0	Type:	CMP
Bridges and Culve	rts Sized	1 🗌 Y	′es 🗌 N/A	🗌 Hydra	ulic Analysis F	Pending
Other Construction Features:					, , , , , , , , , , , , , , , , , , ,	
Moving from Mimimun	1 Mainter	ance to Local R	oad			
Hydraulic Analysis Per	nding					
ESTIMATED COST	COUNTY	★ CITY	* STATE	★ FEDERAL	* OTHER	TOTAL
(in Thousands) ★ OPTIONAL	30.0					30.0
Project Length: (Nearest Tenth	n, State Unit	of Measure)	Project No.:			
	2.0 Mileş			C50-38	-1100/1200	· · · · · · · · · · · · · · · · · · ·
Signature:	L	Title:	lighway Super	intendent	Date: / - 23	2-15
BCS Form 7, Jul 96	* MA		igning oupor		. 1	

County: Kearney County 2014	-2015				Vill	age:		
ocation Description:					<u>i se de la c</u> Neterio de part			
Starting at the Southeas corner of Section 28. Al						ng North t	o the No	rthwest
xisting Surface Type and Structur Asphalt	res: (Such as dirt, g	gravel, asp	halt, concrete,	culvert, o	r bridge)			
verage Daily Traffic:				Classificat	ion Type: (A	s shown on Fi	inctional Cla	assification Ma
	0, 2024 = <u>15</u>					Other Art	erial	
		PROPOS	SED IMPRO	the second se	terre and the second		107-44-	
esign Standard Number: ROA3		Surfac	ing	Thickne	ess: 3"	n produktiva se	Width:	20'
Aggregate Cu	oncrete urb & Gutter ainage Structi osion Control] Right of] Utility Ac] Fencing] Sidewall	ljustme (s	ents	Lighting		
Bridge to Remain in P	lace Roadway	Width:		ength:		Ty	pe:	
New Bridge	Roadway	Width:	L	.ength:		Ту	pe:	
Box Culvert	Span:		Rise:		Length:	Ту	pe:	
Culvert	Diameter:			ength:		Ty	pe:	
Bridges and Culverts	Sized		Yes 🖂 N	\/A	🗌 Hy	/draulic Ar	alysis Po	ending
other Construction Features: Shouldering will be done	also and pave	ement m	arking					
		CITY	★ STAT	E		VL 🛉 C	THER	TOTAL
(in Thousands)	80							180
roject Length: (Nearest Tenth, St 2,5	ate Unit of Measure Miles))	Proje	ct No.:		C50-40-10	00	
ignature:	11	Title:		1.11		Date:		

County:	2013-2014	City:			Village:		
Kearney County Location Description:	2010-2014	·	<u> </u>	<u> </u>			
Beginning at the S R13W, in Kearney		f Section 32 T	6N R13W	thence North	to thw SW	Corner of 2	1 T6N
Also Known as 40	Road 700 8	800 Blocks					
						· · · · · · · · · · · · · · · · · · ·	en de la Calendaria. Transferencia
Existing Surface Type and Asphalt	Structures: (Su	ich as dirt, gravel, a	asphalt, concre	te, culvert, or brid	(ge)		
Average Daily Traffic:		\mathbf{n}		Classification T	•••		assification Map)
2012	<u>2 = 200, 20</u>				Other	Arterial	<u></u>
		PROF	OSED IMPR	Thickness:		Width:	
Design Standard Number: ROA-3		Surf	acing		2.0		22.0
 ☐ Grading ☐ Aggregate ☐ Armor Coat ☑ Asphalt 	Concret Curb & Drainag Erosion	Gutter e Structures		- -	Lightin	g	
Bridge to Remain		Roadway Width:		Length:		Туре:	
New Brid	ge	Roadway Width:		Length:		Туре:	
Box Culv	ert	Span:	Rise:	Len	gth:	Туре:	
Culvert	•	Diameter:		Length:		Туре:	
Bridges and Cu	Iverts Size	d 🗌 🗌] Yes 🗌	N/A [Hydraulic	Analysis P	ending
Other Construction Featur		nhalt					
Miller and Overlay	Z Inches As	priait					
			★ ST		EDERAL	OTHER	TOTAL
ESTIMATED COST (in Thousands)	★ COUNTY 400.0		<u> </u>				400.0
Project Length: (Nearest 7		of Measure)	Pro	oject No.:	C50-40-70		
Signature: //	2.0 Miles	Title:		<u> </u>	C	ate:	<u></u>
MM/ L	- Am M		Highway	Superintend	lent	2-17-15)

NBCS Form 7, Jul 96

Board of Public Roads Classifications and Standards Form 8 Summary of One Year Plan

Year Ending

December 31, 2014

Sheet 1 of 1

County:		City	<i>y</i> :		Village	
PRIORITY NUMBER	KEARNEY PROJECT NUMBER		LENGTH (Nearest Tenth)	UNIT OF MEASURE	Estimated Cost	REMARKS
	C50-B-200		5.0	Mile	110.0	Surfacing
	C50-G62		1.0	Mile	8.0	Grading
	C50-L58	· · · ·	0.5	Mile	50.0	Structure
	C50-N36		1.0	Mile	8.0	Grading
	C50-40-100		2.5	Miles	180.0	Surfacing
	· ·					
	· · ·					
		- 1- -				
Signature Remu	I Pan H	-	Title: Highway Superin	tendent		Date: February 17, 2015

NBCS Form 8, Jul 96

Board of Public Roads Classifications and Standards

Form 9 Summary of Six-Year Plan Six-Year Period EndingDecember 31, 2021....... Sheet 1 of 1

PRIORITY NUMBER	KEARNEY PROJECT NUMBER	LENGTH (Nearest Tenth)	UNIT OF MEASURE	ESTIMATED COST (Thousands)	REMARKS
0	C50-A41	4.0	miles	300.0	SURFACING
0	C50-B54	1.0	mile	8.0	GRADING
0	C50-B59	1.0	mile	8.0	GRADING
0	C50-B60	0.5	mile	40.0	STRUCTURE/GRADIN
0	C50-C31	1.0	mile	8.0	GRADING
0	C50-D35	1.0	mile	8.0	GRADING
0	C50-D42	1.0	mile	8.0	GRADING
0	C50-F31	1.0	mile	8.0	GRADING
0	C50-G54	0.1	mile	8.0	STRUCTURE
0	C50-G62	1.0	mile	8.0	GRADING
0	C50-I46	0.1	mile	50.0	STRUCTURE
0	C50-K28	1.0	mile	8.0	GRADING
0	C50-L46	1.0	mile	20.0	GRADING
0	C50-L51	1.0	mile	8.0	GRADING
0	C50-L55	1.0	mile	8.0	GRADING
0	C50-L56	0.5	mile	125.0	SURFACING
0	C50-L58	0.5	Mile	50.0	STRUCTURE
0	C50-L59	0.5	Mile	50.0	STRUCTURE
0	C50-N33	4.0	miles	1000.0	SURFACING
0	C50-N36	1.0	Mile	8.0	GRADING
0	C50-B-200	5.0	Miles	110.0	SURFACING
0	С50-Н-1100	0.2	Miles	8.0	GRADING
. 0	C50-P-300	1.0	Mile	8.0	GRADING
0	C50-S-550	0.5	Mile	125.0	SURFACING
0	C50-V-1500	2.0	Miles	800.0	SURFACING
0	C50-24-1800	0.2	Mile	5.0	GRADING
0	C50-27-1000	0.2	Mile	6.0	GRADING
0	C50-31-100	1.0	Mile	10.0	GRADING
0	C50-34-1600	0.1	Mile	20.0	STRUCTURE
0 .	C50-38-1100/1200	2.0	Mile	30.0	GRADING
0	C50-40-100	2.5	Miles	180.0	SURFACING
0	C50-40-700-900 (A)	2.0	Mile	400.00	SURFACING
0					
	A .				
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gnature:			Title:	Superintendent	Date: February 18, 2014

Board of Public Roads Classifications and Standards Form 11 Report of Previous Year Highway or Street Improvement

Year Ending December 31, 2014...... Sheet ..1.. of ..1..

County: Kearney		City		Village):	
Project Number	Length	Unit of Measure	Projected Cost (Thousands)	Contract Project	Own Forces	Date Completed (Actual or Estimated)
C50-C31	1.0	Mile	8.0			Carry To 6 Year
C50-G60	0.5	Mile	12.7		X	05-05-2014
C50-G62	1.0	Mile	8.0			Carry To 1 Year
C50-L58	0.5	Mile	125.0			Carry To 1 Year
C50-N36	1.0	Mile	8.0	· · · · · · · · · · · · · · · · · · ·		Carry To 1 Year
C50-26-800	3.2	Miles	490.7	X		06-30-2014
C50-29-800	1.0	Mile	8.2		X	04-10-2014
C50-40-100	2.5	Miles	360.0			Carry To 1 Year
C50-41-1600	0.5	Miles	14.1		Х	05-19-2014
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Signature:			Title: Highway Superintendent			Date: February 17, 2015