<div align="center">

State of Missouri
MANDATORY IF APPLICABLE METADATA TEMPLATE

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Answering the following questions about a data set will provide most of the mandatory-if-applicable metadata required for FGDC compliance. Since this template is meant to be only a guide, some options are not included.

1.   **Identification Information**
1.1   **Citation**
  Originator:
  Who created this dataset?
  Publication Date:
  When was the data was published?
  Title:
  What is the name of the data set?
  Geospatial Data Presentation Form:
   How is the geospatial data represented?
   Choose atlas, diagram, globe, map, model, profile, remote-sensing
    image, section, view, or enter another type.
1.2   **Description**
1.2.1   **Abstract**
  What is some general information about the data set?
1.2.2   **Purpose:**
  Why was this data set created?
1.2.3.   **Supplemental Information**
1.3   **Time Period of Content**
1.3.1   **Currentness Reference**
  Time Period Information:
   What is the publication date, or what span of dates
    applies to your data set?
  Currentness Reference:
  What is the ground condition or when did the "real world" look the way it is
  described in the data set?
1.4   **Status**
1.4.1   **Progress**
1.4.2   **Maintenance and Update Frequency:**
   How often will the data be updated?
   (Enter unknown, weekly, monthly, annually, irregular, or other.)
1.5   **Spatial Domain**
1.5.1   **Bounding Coordinates**   (Record the following coordinates in decimal form.)
1.5.1.1   **West Bounding Coordinate:**
   What are the coordinates for the west edge of the data?
1.5.1.2   **East Bounding Coordinate:**
   What are the coordinates for the east edge of the data?
1.5.1.3   **North Bounding Coordinate:**

What are the coordinates for the north edge of the data?

1.5.1.4   **South Bounding Coordinate:**

What are the coordinates for the south edge of the data?

1.6   **Keywords**

1.6.1   **Theme**

1.6.1.1   **Theme Keyword Thesaurus**:

What is the formally registered thesaurus or other authoritative source of theme keywords?   (If you are not using one, enter 'none.')

1.6.1.2   **Theme Keyword:**

What words may be used to find this data? (Include keywords such as road, transportation, route, etc. You may use as many theme keywords as you need.)

1.7   **Access Constraints:**

Are there any restrictions and legal prerequisites to obtaining the data? (These access constraints may be applied to assure the protection of privacy or intellectual property.)

1.8   **Use Constraints**

Are there any restrictions and legal prerequisites for using the data set after access is granted? (An example of a USGS use constraint is: Acknowledgement of the U.S. Geological Survey would be appreciated in products derived from these data.)

2.   **Data Quality Information**

2.2   **Logical Consistency Report**:

What is the fidelity of relationships encoded in the data structure of the digital spatial data? What tests were performed and what were the results of the tests? (For ARC data, an example is: ARC-node topology exists.)

2.3   **Completeness Report:**

What selection criteria and definitions were used? What other relevant mapping rules were used? (For example, geometric thresholds such as minimum area or minimum width shall be reported. Describe the relationship between the objects presented and the abstract universe of all such objects.)

2.4   **Lineage:**

What sources have contributed to your data set? (Repeat Source Citation and Citation Information for each source used. Also, you may repeat Source Time Period of Content, Time Period Information as many times as needed.)

2.5.1   **Source Information:**

What type of information from these sources was used? (Give the list of sources and a brief statement about the information contributed by each. Only go as far back as you feel is necessary. You may not need to document every source that produced the sources that you used.)

2.5.1.2   **Source Scale Denominator:**

What is the scale of the source? (For example, on a 1:24,000-scale map, the Source

Scale Denominator is 24000. The domain is > 1.)

2.5.1.3 **Type of Source Media:**
What is the medium of the source data set? (For example: the Source Media could be paper, CD-ROM, chart, online, magnetic tape, etc.)

2.5.1.4 **Source Time Period of Content:**
What is the time period for which the source data set corresponds to the ground?

2.5.1.4.1 **Source Currentness Reference:**
What is the basis on which the source time period of content information was determined? (Examples are ground condition or publication date.)

2.5.1.5 **Source Citation Abbreviation:**
What is a short-form alias for the source citation?

2.5.1.6 **Source Contribution:**
What information did the source contribute to the data set?

2.5.2 **Process Step:**
What was the process used to create the data set? (Be sure to include all sources in your description.)

2.5.2.3 **Process Date:**
When was the process completed?

3. **Spatial Data Organization Information** (Most of the time, the Direct Spatial Reference Method will be used.)

3.2 **Direct Spatial Reference Method:**
Is the data represented by point, vector, or raster?

3.3 **Point and Vector (or Raster) Object Information:**
What are the types and numbers of the vector or nongridded point spatial objects in the data set?

3.3.1 **SDTS Terms Description:**
What is the point and vector information using Spatial Data Transfer Standards?

3.3.1.1 **SDTS Point and Vector Object Type:**
What is the name of the point and vector spatial objects used to locate zero-, one- and two-dimensional spatial locations in the data set? (Examples are point, entity point, label point, area point, node, string, link, GT-polygon composed of rings, GT-polygon composed of chains, Universe polygon composed of rings, Universe polygon composed of chains, etc.)

3.3.2 **Vector Product Format (VDF) Terms Description:**
What is the point and vector object information using the terminology and concepts from Department of Defense, 1992, Vector Product Format?

3.3.2.1 **VDF Topology Level:**
What is the completeness of the topology carried by the data set?

3.3.2.2   VDF Point and Vector Object Type:
What is the name of point and vector spatial objects used to locate zero-, one-, and two-dimensional spatial locations in the data set?

4.   Spatial Reference Information
4.1   Horizontal Coordinate System Definition:
What is the reference frame or system from which linear or angular quantities are measured and assigned to the position that a point occupies? (This will probably be geographic or planar.)

4.1.1   Geographic
4.1.1.1   Latitude Resolution:
What is the minimum difference between two adjacent latitude values expressed in Geographic Coordinate Units of measure.

4.1.1.2   Longitude Resolution:
What is the minimum difference between two adjacent longitude values expressed in Geographic Coordinate Units of measure?

4.1.1.3   Geographic Coordinate Units:
What are the units of measure used for the latitude and longitude values? (Examples are decimal degrees, decimal minutes, decimal seconds, degrees, minutes, and decimal seconds, radians, or grads.)

4.1.2   Planar
4.1.2.1.   Map Projection
4.1.2.1.1   Map Projection Name:
What is the name of the map projection? (Example is Transverse Mercator.)

4.1.2.1.2   Map Projection Parameters:
What are the map projection parameters?
  Transverse Mercator:
    Scale Factor at Central Meridian:
    Longitude of Central Meridian:
    Latitude of Projection Origin:
    False Easting:
    False Northing:

4.1.2.2.2   Universal Transverse Mercator (UTM)
4.1.2.2.2.1   UTM Zone Number:
What is the UTM Zone Number?

4.1.2.2.4   State Plane Coordinate System (SPSC)
4.1.2.2.4.1   SPCS Zone Identifier:
What is the identifier for the SPCS zone?

4.1.2.4   Planar Coordinate Information
4.1.2.4.1   Planar Coordinate Encoding Method:
What is the means used to represent the horizontal positions? (Examples are

coordinate pair, distance and bearing, or row and column.)

4.1.2.4.2   Coordinate Representation

4.1.2.4.2.1 Abscissa Resolution:
What is the minimum distance between the "x" or column values of two adjacent points in Planar Distance Units of measure.

4.1.2.4.2.2 Ordinate Resolution:
What is the minimum distance between the "y" or row values of two adjacent points in Planar Distance Units of measure?

4.1.2.4.3   Distance and Bearing Representation

4.1.2.4.3.1 Distance Resolution:
What is the minimum distance measurable between two points in Planar Distance Units of measure?

4.1.2.4.3.2 Bearing Resolution:
What is the minimum angle measurable between two points in Bearing Units of measure?

4.1.2.4.3.3 Bearing Units:
What unit of measure is used for angles? (Choices are decimal degrees, decimal minutes, decimal seconds, degrees and decimal minutes, degrees, minutes, and decimal seconds, radians, or grads.)

4.1.2.4.3.4 Bearing Reference Direction:
What is the direction from which the bearing is measured? (Choices are north or south.)

4.1.2.4.3.5 Bearing Reference Meridian:
What is the axis from which the bearing is measured? (Choices are assumed, grid, magnetic, astronomic, or geodetic.)

4.1.4   Geodetic Model

4.1.4.1   Horizontal Datum Name:
What is the identification given to the reference system used for defining the coordinates of points? (Choices are North American Datum of 1927 or North American Datum of 1983.)

4.1.4.2   Ellipsoid Name:
What is the identification given to established representations of the Earth's shape? (Choices are Clarke 1866 or Geodetic Reference System 80.)

4.1.4.3   Semi-major Axis:
What is the radius of the equatorial axis of the ellipsoid?

4.1.4.4   Denominator of Flattening Ratio:
What is the denominator of the ratio of the difference between the equatorial and polar radii of the ellipsoid when the numerator is set to 1.

5.   Entity and Attribute Information
Use the Content Standards for Digital Geospatial Metadata Workbook to give more

detail about the attributes used to describe your data

6.   **Distribution Information**
Use this section if the data set will be distributed to other agencies. Follow the CSDGM Workbook.

7.   **Metadata Reference Information**
7.1   **Metadata Date:**
When was this metadata created or last updated?
7.4   **Metadata Contact:**
Contact Organization:
What organization is responsible for this metadata?
Contact Address
Address Type:
Is the address mailing, physical or both?
Address:
What is the street address of the organization?
City:
What is the city for the organization?
State or Province:
What is the state for the organization?
Postal Code:
What is the zip code for the organization?
Contact Voice Telephone:
What is the telephone number of person responsible for the metadata?
7.5   **Metadata Standard Name:**
FGDC's Content Standards for Digital Geospatial Metadata
7.6   **Metadata Standard Version:**
March 1995