Designated_Highways (2010)

Metadata:

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Identification_Information:
  Citation:
  Citation_Information:
  Originator: MARIS
  Publication_Date: July 2010
  Title:
  Designated_Highways (2010)
  Geospatial_Data_Presentation_Form: vector digital data
  Online_Linkage: http://www.maris.state.ms.us/HTM/DownloadData/Statewide-Theme.htm
  Description:
  Abstract:
```
    GIS Vector data set of Interstates, U.S. Highways, Mississippi
    State Highways, the Natchez Trace Parkway, and exits created,
    edited, and additional attributes added by MARIS staff.
```
GIS Vector data set of Interstates, U.S. Highways, Mississippi State Highways, the Natchez Trace Parkway, and exits created, edited, and additional attributes added by MARIS staff.
  Purpose:
```
    Data were compiled for use in accurate mapping and cartographic
    representation of highways.
```
Data were compiled for use in accurate mapping and cartographic representation of highways.
  Supplemental_Information:
```
    Metadata for this statewide data set was created by MARIS staff.
```
Metadata for this statewide data set was created by MARIS staff.
  Time_Period_of_Content:
  Time_Period_Information:
  Single_Date/Time:

Calendar_Date: July 2010
Currentness_Reference:
```
publication date
```
publication date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -91.630582
East_Bounding_Coordinate: -88.109074
North_Bounding_Coordinate: 35.005043
South_Bounding_Coordinate: 30.226951
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO19115
Theme_Keyword: highways
Theme_Keyword: Interstates
Theme_Keyword: US Highways
Theme_Keyword: MS Highways
Theme_Keyword: Transportation
Place:
Place_Keyword_Thesaurus: none
Place_Keyword: Mississippi
Place_Keyword: USA
Access_Constraints: none.
Use_Constraints:
```
Data users are encouraged to read this metadata record to better
comprehend and utilize the described data set. MARIS should be
recognize as a source data provider on all data derived from this
data set. The data are not survey products and not intended for
legal use.
```
Data users are encouraged to read this metadata record to better comprehend and utilize the described data set. MARIS should be recognize as a source data provider on all data derived from this data set. The data are not survey products and not intended for legal use.
Point_of_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: Mississippi Automated Resource Information System (MARIS)
Contact_Person: Steve Walker
Contact_Position: GIS Operations Manager

Contact_Address:
Address_Type: mailing and physical address
Address:
```
    3825 Ridgewood Road
```
3825 Ridgewood Road
City: Jackson
State_or_Province: MS
Postal_Code: 39211-6453
Country: USA
Contact_Voice_Telephone: (601) 432-6149
Contact_Facsimile_Telephone: (601) 432-6893
Contact_Electronic_Mail_Address: swalker@ihl.state.ms.us
Data_Set_Credit:
```
    Full credit for the spatial aspect of this data set should be
    given to MARIS.
```
Full credit for the spatial aspect of this data set should be given to MARIS.
Native_Data_Set_Environment:
Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI
ArcCatalog 9.3.1.3000
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Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report:
```
    Attribute values were validated via cross-checks with exisiting
    data resources including photographs, maps, imagery, and
    scientific reports.
```
Attribute values were validated via cross-checks with exisiting data resources
including photographs, maps, imagery, and scientific reports.
Logical_Consistency_Report:
```
    All line work is checked for topological integrity and to ensure
    that polygons are fully enclosed, no duplicate lines or points
    exists, line segments are composed of sequentially numbered
    coordinate pairs, intersecting lines are separated by a node, and
    no dangling lines exist. Topological checks and strucuturing are
    performed using the ArcInfo software. Data dictionary
    specification are automatically implemented via the ESRI Info
    database management software. Data collected from external data
    providers are randomly verified.
```
All line work is checked for topological integrity and to ensure that polygons
are fully enclosed, no duplicate lines or points exists, line segments are
composed of sequentially numbered coordinate pairs, intersecting lines are
separated by a node, and no dangling lines exist. Topological checks and
strucuturing are performed using the ArcInfo software. Data dictionary
specification are automatically implemented via the ESRI Info database

management software. Data collected from external data providers are randomly verified.

Completeness_Report:
```
The data are complete with respect to the data publication date
and scale.
```
The data are complete with respect to the data publication date and scale.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:
```
Feature locations were were validated via cross-checks with
exisiting data resources including photographs, maps, imagery, and
scientific reports.
```
Feature locations were were validated via cross-checks with exisiting data resources including photographs, maps, imagery, and scientific reports.

Lineage:

Source_Information:

Type_of_Source_Media: chart

Source_Citation_Abbreviation:

MARIS

Source_Contribution:
```
Primary source of both spatial data and attributes.
```
Primary source of both spatial data and attributes.

Source_Information:

Type_of_Source_Media: chart

Source_Citation_Abbreviation:

MS DOT

Source_Contribution:
```
Detailed description of all highway start and stop locations.
Publication No. MDOT-85-2007-05
```
Detailed description of all highway start and stop locations. Publication No. MDOT-85-2007-05

Source_Information:

Type_of_Source_Media: disc

Source_Citation_Abbreviation:

NAIP

Source_Contribution:
```
Imagery used to align the vector placement of highways.  NAIP from
2007 - 2009 was used in creation of original linework. Imagery was
2007 NAIP - 1 meter, 2009 NAIP - 1 meter ortho-rectified.
```
Imagery used to align the vector placement of highways. NAIP from 2007 - 2009 was used in creation of original linework. Imagery was 2007 NAIP - 1 meter, 2009 NAIP - 1 meter ortho-rectified.

Source_Information:

Source_Citation:

Citation_Information:
Originator: MS Department of Environmental Quality
Title:
MDEM
Type_of_Source_Media: digital tape media
Source_Citation_Abbreviation:
MDEM
Source_Contribution:
```
    MS Coordinating Council for Remote Sensing and Geographic
    Information Systems (MCCRSGIS) 2006  2 foot resolution leaf-off
    imagery was also used for alignment of highways.
```
MS Coordinating Council for Remote Sensing and Geographic Information Systems (MCCRSGIS) 2006 2 foot resolution leaf-off imagery was also used for alignment of highways.
Process_Step:
Process_Description:
```
    The highway database was collected by heads-up digitization over
    aerial photography. Aerial Photography sources are MDEM and NAIP.
    Digital and hard copy sources are listed in Source Information
    "Other Sources".
```
The highway database was collected by heads-up digitization over aerial photography. Aerial Photography sources are MDEM and NAIP. Digital and hard copy sources are listed in Source Information "Other Sources".
Source_Used_Citation_Abbreviation:
NAIP
Source_Used_Citation_Abbreviation:
Other Sources
Source_Used_Citation_Abbreviation:
MDEM
Process_Date: July 2010
Process_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Jason Knight
Contact_Organization: MARIS
Contact_Position: GIS Manager
Contact_Voice_Telephone: 601-432-6504
Contact_Electronic_Mail_Address: jknight@ihl.state.ms.us
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Spatial_Data_Organization_Information:
    Indirect_Spatial_Reference_Method:
    FIPS = 28 (Mississippi)

Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 581

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Map_Projection:
Map_Projection_Name: Transverse Mercator
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999834
Longitude_of_Central_Meridian: -89.750000
Latitude_of_Projection_Origin: 32.500000
False_Easting: 500000.000000
False_Northing: 1300000.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.000001
Ordinate_Resolution: 0.000001
Planar_Distance_Units: meters
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: Designated_Highways
Entity_Type_Definition:
Interstates, US and MS State Highways
Entity_Type_Definition_Source:
MARIS
Attribute:
Attribute_Label: FID

Attribute_Definition:
    Internal feature number.

Internal feature number.

Attribute_Definition_Source:
    ESRI

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition:
    Feature geometry.

Feature geometry.

Attribute_Definition_Source:
    ESRI

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: OBJECTID

Attribute_Definition:
    Internal ID

Internal ID

Attribute_Definition_Source:
    ESRI

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: LENGTH

Attribute_Definition:
    Segment Length

Segment Length

Attribute_Definition_Source:
    ESRI

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: HWYNAME
Attribute_Definition:
> Primary Highway Name

Primary Highway Name
Attribute_Definition_Source:
> MARIS

MARIS
Attribute_Domain_Values:
Unrepresentable_Domain:
Coordinates defining the features.
Attribute:
Attribute_Label: Shape_Leng
Attribute_Definition:
> ESRI Internal arc length

ESRI Internal arc length
Attribute_Definition_Source:
> ESRI

ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Coordinates defining the features.
Attribute:
Attribute_Label: Class
Attribute_Definition:
> Type of Road

Type of Road
Attribute_Definition_Source:
> MARIS

MARIS
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition:
> Interstate

Interstate
Enumerated_Domain_Value_Definition_Source:
> MARIS

MARIS
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition:
> U.S. Highway

U.S. Highway
Enumerated_Domain_Value_Definition_Source:

```
    MARIS
```
MARIS

Enumerated_Domain:

Enumerated_Domain_Value: 3

Enumerated_Domain_Value_Definition:
```
    One or two Digit State Highway
```
One or two Digit State Highway

Enumerated_Domain_Value_Definition_Source:
```
    MARIS
```
MARIS

Enumerated_Domain:

Enumerated_Domain_Value: 4

Enumerated_Domain_Value_Definition:
```
    Three digit State highway
```
Three digit State highway

Enumerated_Domain_Value_Definition_Source:
```
    MARIS
```
MARIS

Enumerated_Domain:

Enumerated_Domain_Value: 5

Enumerated_Domain_Value_Definition:
```
    Natchez Trace Parkway
```
Natchez Trace Parkway

Enumerated_Domain_Value_Definition_Source:
```
    MARIS
```
MARIS

Enumerated_Domain:

Enumerated_Domain_Value: 9

Enumerated_Domain_Value_Definition:
```
    Exit
```
Exit

Enumerated_Domain_Value_Definition_Source:
```
    MARIS
```
MARIS

Attribute:

Attribute_Label: ALT1_DESIN

Attribute_Definition:
```
    Alternate Class 1 Name(s) of Highway
```
Alternate Class 1 Name(s) of Highway

Attribute_Definition_Source:
```
    MARIS
```
MARIS

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: ALT2_DESIN

Attribute_Definition:
```
     Alternate Class 2 Name(s) of Highway
```
Alternate Class 2 Name(s) of Highway

Attribute_Definition_Source:
```
     MARIS
```
MARIS

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: ALT3_DESIN

Attribute_Definition:
```
     Alternate Class 3 Name(s) of Highway
```
Alternate Class 3 Name(s) of Highway

Attribute_Definition_Source:
```
     MARIS
```
MARIS

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: ALT4_DESIN

Attribute_Definition:
```
     Alternate Class 4 Name(s) of Highway
```
Alternate Class 4 Name(s) of Highway

Attribute_Definition_Source:
```
     MARIS
```
MARIS

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: ALT5_DESIN

Attribute_Definition:
```
     Alternate Class 5 Name(s) of Highway
```
Alternate Class 5 Name(s) of Highway

Attribute_Definition_Source:
```
     MARIS
```
MARIS

Attribute_Domain_Values:

Unrepresentable_Domain:
Coordinates defining the features.
Attribute:
Attribute_Label: ALT6_DESIN
Attribute_Definition:
```
    Alternate Class 6 Name(s) of Highway
```
Alternate Class 6 Name(s) of Highway
Attribute_Definition_Source:
```
    MARIS
```
MARIS
Attribute_Domain_Values:
Unrepresentable_Domain:
Coordinates defining the features.
Attribute:
Attribute_Label: ALT7_DESIN
Attribute_Definition:
```
    Alternate Class 7 Name(s) of Highway
```
Alternate Class 7 Name(s) of Highway
Attribute_Definition_Source:
```
    MARIS
```
MARIS
Attribute_Domain_Values:
Unrepresentable_Domain:
Coordinates defining the features.
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Distribution_Information:
Distributor:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Steve Walker
Contact_Organization: Mississippi Automated Resource Information System (MARIS)
Contact_Position: GIS Operations Manager
Contact_Address:
Address_Type: mailing and physical address
Address:
```
    3825 Ridgewood Road
```
3825 Ridgewood Road
City: Jackson
State_or_Province: MS
Postal_Code: 39211-6453
Country: USA

Contact_Voice_Telephone: 601.432.6149
Contact_Facsimile_Telephone: 601.432.6893
Contact_Electronic_Mail_Address: swalker@ihl.state.ms.us
Hours_of_Service: 8:00 a.m. - 4:00 p.m. CST
Resource_Description: Map Files
Distribution_Liability:

```
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Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ARCE (ArcInfo export), ArcGIS (shapefile)
File_Decompression_Technique: TAR, WinZip
Transfer_Size: 4.242
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: http://www.maris.state.ms.us/Data_Warehouse/Download_Data/download_data.html
Offline_Option:
Offline_Media: CD-ROM
Recording_Format: CD Write

Fees: Direct downloads and CDs of standard MARIS products are available free of charge

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Metadata_Reference_Information:
    Metadata_Date: 20100701
    Metadata_Contact:
    Contact_Information:
    Contact_Organization_Primary:
    Contact_Organization: Mississippi Automated Resource Information System (MARIS)
    Contact_Person: Steve Walker
    Contact_Position: GIS Operations Manager
    Contact_Address:
    Address_Type: mailing and physical address
    Address:
        `3825 Ridgewood Road`
    3825 Ridgewood Road
    City: Jackson
    State_or_Province: MS
    Postal_Code: 39211-6453
    Country: USA
    Contact_Voice_Telephone: (601) 432-6149
    Contact_Facsimile_Telephone: (601) 432-6893
    Contact_Electronic_Mail_Address: swalker@ihl.state.ms.us
    Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
    Metadata_Standard_Version: FGDC-STD-001-1998
    Metadata_Time_Convention: local time
    Metadata_Access_Constraints: none
    Metadata_Use_Constraints:
    none
    Metadata_Extensions:
    Online_Linkage: http://www.esri.com/metadata/esriprof80.html
    Profile_Name: ESRI Metadata Profile