MDOT_CO_LRM

Shapefile



Tags
roads, MDOT, linear-referencing method

Summary

Road centerlines from the MS Department of Transportation's Linear Referencing Method

Description

The MDOT_CO_LRM feature is a complete dataset of roads in the State of Mississippi. All road mileages are referenced to the county they are contained. • This feature contains the State Maintained Routes as well as Local Roads. • All connectivity and topology checks have been performed. • The network contains ramps, frontage roads, intersection turnouts, as well as cross-overs.

*** Updated September 2019 ***

Credits

MS DOT, MDEM 2006 Imagery

Use limitations

There are no access and use limitations for this item.

Extent

West -91.689942 **East** -88.098249

North 35.005293 **South** 30.191846

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

Themes or categories of the resource imageryBaseMapsEarthCover, transportation

* Content type Downloadable Data

Other keywords roads, MDOT, linear-referencing method

Citation ►

* Title MDOT_CO_LRM

Creation date 2019-09-04 00:00:00

Publication date 2019-09-04 00:00:00

Presentation formats digital map

Citation Contacts ►

Responsible party

Individual's name Steve Walker

Organization's name MARIS

Contact's position GIS Operations Manager

Contact's role distributor

Contact information ►

Phone

Voice 601 432-6149

Address Type both

Delivery point 3825 Ridgewood Road, Suite 717

City Jackson

Administrative area Mississippi

Postal code 39211

Country US

e-mail address swalker@mississippi.edu

Hours of service M-F 7 - 3 CDT

Contact instructions Downloadable from Download Data/Statewide/Education

Responsible party

Individual's name Ray Cressup

Organization's name MDOT

Contact's role originator

Resource Details ►

Dataset languages English (UNITED STATES)

Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going

Spatial representation type vector

* Processing environment Version 6.2 (Build 9200) ; Esri ArcGIS 10.6.1.9270

Credits : MS DOT, MDEM 2006 Imagery

ArcGIS item properties

* Name MDOT_CO_LRM

* Size 64.795

* Location file://\\DESKTOP-TP9LNVL\F$\DATA\00_TRANSPORTATION\MDOT_Road_Centerlines\MDOT_Road_Centerlines_Sep_2019\MDOT_CO_LRM.shp

* Access protocol Local Area Network

Extents ►

Extent

Geographic extent

Bounding rectangle

West longitude -91.689942

East longitude -88.098249

South latitude 30.191846

North latitude 35.005293

Extent contains the resource Yes

Extent

Geographic extent

Bounding rectangle

Extent type Extent used for searching

* West longitude -91.689942

* East longitude -88.098249

* North latitude 35.005293

* South latitude 30.191846

* Extent contains the resource Yes

Extent in the item's coordinate system

* West longitude 322902.070000

* East longitude 650778.320000

* South latitude 1045554.610000

* North latitude 1577835.860000

* Extent contains the resource Yes

Resource Maintenance ►

Resource maintenance

Update frequency annually

Spatial Reference ►

ArcGIS coordinate system

* Type Projected

* Geographic coordinate reference GCS_North_American_1983

* Projection NAD83_Mississippi_TM

* Coordinate reference details

Projected coordinate system

X origin -5122200

Y origin -12297100

XY scale 450339697.45066422

Z origin -100000

Z scale 10000

M origin -100000

M scale 10000

XY tolerance 0.001

Z tolerance 0.001

M tolerance 0.001

High precision true

Well-known text
PROJCS["NAD83_Mississippi_TM",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["false_easting",500000.0],PARAMETER["false_northing",1300000.0],PARAMETER["central_meridian",-89.75],PARAMETER["scale_factor",0.9998335],PARAMETER["latitude_of_origin",32.5],UNIT["Meter",1.0]]

Reference system identifier

Value 0

Spatial Data Properties ►

Vector ►

***** Level of topology for this dataset geometry only

Geometric objects

Feature class name MDOT_CO_LRM

***** Object type composite

***** Object count 285002

ArcGIS Feature Class Properties ▶

Feature class name MDOT_CO_LRM

* Feature type Simple

* Geometry type Polyline

* Has topology FALSE

* Feature count 285002

* Spatial index FALSE

* Linear referencing FALSE

Distribution ▶

Distribution format

Version 10.2

* Name Shapefile

Transfer options

Transfer size 65.047

Fields ▶

Details for object MDOT_CO_LRM ▶

* Type Feature Class

* Row count 285002

Definition : MS Dept of Transportation Linear Road Network

Definition source : MDOT

Field FID ▶

* Alias FID

* Data type OID

* Width 4

* Precision 0

* Scale 0

* Field description : Internal feature number.

* Description source : Esri

* Description of values : Sequential unique whole numbers that are automatically generated.

Field Shape ►

* Alias Shape

* Data type Geometry

* Width 0

* Precision 0

* Scale 0

* Field description : Feature geometry.

* Description source: Esri

* Description of values: Coordinates defining the features.

Field SRI ►

* Alias SRI

* Data type String

* Width 15

* Precision 0

* Scale 0

Field description :

Standard Route Identifier. Concatenation of the COUNTY NUMBER + "_" + INVENTORY NUMBER + PASS_DIR (PRIMARY/SECONDARY) + SEGMENT NUMBER. This field uniquely identifies a route in the state.

Description source : MDOT

Description of values : id

Field MP_START ►

* Alias MP_START

* Data type Double

* Width 9

* Precision 8

* Scale 4

Field description : The mile point where the segment begins within the county.

Description source: MDOT

Description of values: mile marker

Field MP_END ►

* Alias MP_END

* Data type Double

* Width 9

* Precision 8

* Scale 4

Field description : The mile point where the segment ends within the county.

Description source : MDOT

Description of values : mile marker

Field M_LENGTH ►

* Alias M_LENGTH

* Data type Double

* Width 9

* Precision 8

* Scale 4

Field description : Calculated field which equals MP_END - MP_START

Description source : MDOT

Description of values : length

Field ROUTE_CLAS ►

* Alias ROUTE_CLAS

* Data type String

* Width 50

* Precision 0

* Scale 0

Field description :

CHANNEL	Channelized turning lane used as a right turn movement at an intersection.
CROSSOVER	Used to navigate between primary and secondary directions of a divided facility.
FC	This classification signifies that at least some portion of the route is of functional class higher than local. This classification is not our official functional class designation.
FR	Federal Routes (Currently the only federal route we have is the Natchez Trace)
LOCAL	This classification indicates a route that is not designated.
MS	Mississippi Highways
RAMP	Connects mainline to mainline at grade separated interchanges.
REST AREA	Dedicated route segment for rest area ingress and egress
ROUNDABOUT	Circular portion of this specialized Intersection
US	U.S. Highways
WEIGH STATION	Dedicated route segment for weigh station ingress and egress
IH	Interstate Highways

Description source: MDOT

Description of values : see values

Field ROAD_NAME ►

* Alias ROAD_NAME

* Data type String

* Width 66

* Precision 0

* Scale 0

Field description: When available this field contains the road name of the particular route.

Description source : MDOT

Description of values : name

Field COUNTY ►

* Alias COUNTY

* Data type Integer

* Width 10

* Precision 10

* Scale 0

Field description

Numeric identifier for the county number. 1-82 (See County Lookup Below)

COUNTYNMBR	COUNTYNAME	COUNTYNMBR	COUNTYNAME
1	Adams	42	Leflore
2	Alcorn	43	Lincoln
3	Amite	44	Lowndes
4	Attala	45	Madison
5	Benton	46	Marion
6	Bolivar	47	Marshall
7	Calhoun	48	Monroe
8	Carroll	49	Montgomery
9	Chickasaw	50	Neshoba

10	Choctaw	51	Newton
11	Claiborne	52	Noxubee
12	Clarke	53	Oktibbeha
13	Clay	54	Panola
14	Coahoma	55	Pearl River
15	Copiah	56	Perry
16	Covington	57	Pike
17	Desoto	58	Pontotoc
18	Forrest	59	Prentiss
19	Franklin	60	Quitman
20	George	61	Rankin
21	Greene	62	Scott
22	Grenada	63	Sharkey
23	Hancock	64	Simpson
24	Harrison	65	Smith
25	Hinds	66	Stone
26	Holmes	67	Sunflower
27	Humphreys	68	Tallahatchie
28	Issaquena	69	Tate
29	Itawamba	70	Tippah
30	Jackson	71	Tishomingo
31	Jasper	72	Tunica
32	Jefferson	73	Union
33	Jefferson Davis	74	Walthall
34	Jones	75	Warren
35	Kemper	76	Washington
36	Lafayette	77	Wayne
37	Lamar	78	Webster
38	Lauderdale	79	Wilkinson

39	Lawrence	80	Winston
40	Leake	81	Yalobusha
41	Lee	82	Yazoo

Description source: MDOT

Description of values : name

Field ROUTE_ID ▶

* Alias ROUTE_ID

* Data type String

* Width 8

* Precision 0

* Scale 0

Field description

Non zero padded identifier for a route in a county. Can be followed by an X (Crossover) or a C (Channel). If followed by an A, E, or W this is to signify Alternate, East or West. If the route is a State Route, US Route, or Interstate Route the route id is representative of its signing and designation. (i.e. MS 25 is 25 in each county it passes through so long as the route class is MS as well). Route IDs are only unique to one county unless combined with a route class in the case of a State Route, US Route, or Interstate Route. A route id can also be unique when paired with a county and a pass_dir.

Description source : MDOT

Description of values : ID

Field PASS_DIR ▶

* Alias PASS_DIR

* Data type String

* Width 1

* Precision 0

* Scale 0

Field description

Denotes the specific direction of a route, P (primary) or S (secondary). Previous systems that were single centerline would have only had a primary direction. The secondary direction is the roadway running in the opposing direction to the primary roadway (Divided Highway) for a single route.

Description source: MDOT

Description of values : direction

Field SEG_NO ►

* Alias SEG_NO

* Data type Integer

* Width 10

* Precision 10

* Scale 0

Field description

Denotes the specific segment of a route in a county. Segmentation can occur due to routes overlapping one another as well as offsets at intersections.

Description source : MDOT

Description of values : number

Field INV_NO ►

* Alias INV_NO

* Data type String

* Width 8

* Precision 0

* Scale 0

Field description : Zero padded version of the ROUTE_ID field. Used to reference legacy data that utilized fixed width fields.

Description source : MDOT

Description of values : numbers

Field ID1 ►

* Alias ID1

* Data type Integer

* Width 10

* Precision 10

* Scale 0

Field description : Primary ID field. Should not be used for long term referencing since this can change with each publication.

Description source : MDOT

Description of values : id

Field WM_VALIDFR ►

* Alias WM_VALIDFR

* Data type Date

* Width 8

* Precision 0

* Scale 0

Field description : Date that a segment went live (Valid From). With our current data model, most roads will have the 20th of March 2013. If a segment has had a change since this date, the valid from time will have changed to reflect this change.

Description source : MDOT

Description of values : Date

Field WM_VALIDTI ►

* Alias WM_VALIDTI

* Data type Date

* Width 8

* Precision 0

* Scale 0

Field description : In the event that an end of life date was known for a route and the new alignment had been established at a future date this field would show the end of serviceable life date for any segment involved. (Valid Till)

Description source : MDOT

Description of values : none

Field MOD_STATUS ►

* Alias MOD_STATUS

* Data type String

* Width 6

* Precision 0

* Scale 0

Field description: Indicates if segment was changed since last publication

Description source : MDOT

Description of values : status

Metadata Details ►

Metadata language English (UNITED STATES)

Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset

Scope name * dataset

* Last update 2019-09-11

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Metadata style FGDC CSDGM Metadata

Standard or profile used to edit metadata FGDC

Created in ArcGIS for the item 2019-09-11 07:07:11

Last modified in ArcGIS for the item 2019-09-11 72:03:40

Automatic updates

Have been performed Yes

Last update 2019-09-11 07:09:31

Metadata Contacts ►

Metadata contact

Individual's name Steve Walker

Organization's name MARIS

Contact's position GIS Operations Manager

Contact's role distributor

Contact information ►

Phone Voice 601 432-6149

Address Type: physical

Delivery point 3825 Ridgewood Road, Suite 717

City Jackson

Administrative area Mississippi

Postal code 39211

Country US

e-mail address swalker@mississippi.edu

Hours of service M-F 7 - 3 CDT

Contact instructions : Downloadable from Download Data/Statewide/Transportation

Metadata Maintenance ►

Maintenance

Update frequency annually

Thumbnail and Enclosures ►

Thumbnail

Thumbnail type JPG

FGDC Metadata (read-only) ▼

Detailed Description

Entity Type

Entity Type Label MDOT_CO_LRM

Entity Type Definition

MS Dept of Transportation Linear Road Network

Entity Type Definition Source MDOT

Attribute

Attribute Label FID

Attribute Definition

Internal feature number.

Attribute Definition Source Esri

Attribute Domain Values

Unrepresentable Domain

Sequential unique whole numbers that are automatically generated.

Attribute

Attribute Label Shape

Attribute Definition

Feature geometry.

Attribute Definition Source Esri

Attribute Domain Values

Unrepresentable Domain

Coordinates defining the features.

Attribute

Attribute Label SRI

Attribute Definition

Standard Route Identifier. Concatenation of the COUNTY NUMBER + "_" + INVENTORY NUMBER + PASS_DIR (PRIMARY/SECONDARY) + SEGMENT NUMBER. This field uniquely identifies a route in the state.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

id

Attribute

Attribute Label MP_START

Attribute Definition

The mile point where the segment begins within the county.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

mile marker

Attribute

Attribute Label MP_END

Attribute Definition

The mile point where the segment ends within the county.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

mile marker

Attribute

Attribute Label M_LENGTH

Attribute Definition

Calculated field which equals MP_END - MP_START

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

length

Attribute

Attribute Label ROUTE_CLAS

Attribute Definition

CHANNEL Channelized turning lane used as a right turn movement at an intersection.

CROSSOVER Used to navigate between primary and secondary directions of a divided facility.

FC This classification signifies that at least some portion of the route is of functional class higher than local. This classification is not our official functional class designation.

FR Federal Routes (Currently the only federal route we have is the Natchez Trace)

LOCAL This classification indicates a route that is not designated.

MS Mississippi Highways

RAMP Connects mainline to mainline at grade separated interchanges.

REST AREA Dedicated route segment for rest area ingress and egress

ROUNDABOUT Circular portion of this specialized Intersection

US US Highways

WEIGH STATION Dedicated route segment for weigh station ingress and egress IH Interstate Highways

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

see values

Attribute

Attribute Label ROAD_NAME

Attribute Definition

When available this field contains the road name of the particular route.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

name

Attribute

Attribute Label COUNTY

Attribute Definition

Numeric identifier for the county number. 1-82 (See County Lookup Below) COUNTYNMBR COUNTYNAME COUNTYNMBR COUNTYNAME 1 Adams 42 Leflore 2 Alcorn 43 Lincoln 3 Amite 44 Lowndes 4 Attala 45 Madison 5 Benton 46 Marion 6 Bolivar 47 Marshall 7 Calhoun 48 Monroe 8 Carroll 49 Montgomery 9 Chickasaw 50 Neshoba 10 Choctaw 51 Newton 11 Claiborne 52 Noxubee 12 Clarke 53 Oktibbeha 13 Clay 54 Panola 14 Coahoma 55 Pearl River 15 Copiah 56 Perry 16 Covington 57 Pike 17 Desoto 58 Pontotoc 18 Forrest 59 Prentiss 19 Franklin 60 Quitman 20 George 61 Rankin 21 Greene 62 Scott 22 Grenada 63 Sharkey 23 Hancock 64 Simpson 24 Harrison 65 Smith 25 Hinds 66 Stone 26 Holmes 67 Sunflower 27 Humphreys 68 Tallahatchie 28 Issaquena 69 Tate 29 Itawamba 70 Tippah 30 Jackson 71 Tishomingo 31 Jasper 72 Tunica 32 Jefferson 73 Union 33 Jefferson Davis 74 Walthall 34 Jones 75 Warren 35 Kemper 76 Washington 36 Lafayette 77 Wayne 37 Lamar 78 Webster 38 Lauderdale 79 Wilkinson 39 Lawrence 80 Winston 40 Leake 81 Yalobusha 41 Lee 82 Yazoo

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

name

Attribute

Attribute Label ROUTE_ID

Attribute Definition

Non zero padded identifier for a route in a county. Can be followed by an X (Crossover) or a C (Channel). If followed by an A, E, or W this is to signify Alternate, East or West. If the route is a State Route, US Route, or Interstate Route the route id is representative of its signing and designation. (i.e. MS 25 is 25 in each county it passes through so long as the route class is MS as well). Route IDs are only unique to one county unless combined with a route class in the case of a State Route, US Route, or Interstate Route. A route id can also be unique when paired with a county and a pass_dir.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

ID

Attribute

Attribute Label PASS_DIR

Attribute Definition

Denotes the specific direction of a route, P (primary) or S (secondary). Previous systems that were single centerline would have only had a primary direction. The secondary direction is the roadway running in the opposing direction to the primary roadway (Divided Highway) for a single route.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

direction

Attribute

Attribute Label SEG_NO

Attribute Definition

Denotes the specific segment of a route in a county. Segmentation can occur due to routes overlapping one another as well as offsets at intersections.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

number

Attribute

Attribute Label INV_NO

Attribute Definition

Zero padded version of the ROUTE_ID field. Used to reference legacy data that utilized fixed width fields.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

numbers

Attribute

Attribute Label ID1

Attribute Definition

Primary ID field. Should not be used for long term referencing since this can change with each publication.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

id

Attribute

Attribute Label WM_VALIDFR

Attribute Definition

Date that a segment went live (Valid From). With our current data model, most roads will have the 20th of March 2013. If a segment has had a change since this date, the validfrom time will have changed to reflect this change.

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

Date

Attribute

Attribute Label WM_VALIDTI

Attribute Definition

In the event that a end of life date were known for a route and the new alignment had been established at a future date this field would show the end of serviceable life date for any segment involved. (Valid Till)

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

none

Attribute

Attribute Label MOD_STATUS

Attribute Definition

Indicates if segment was changed since last publication

Attribute Definition Source MDOT

Attribute Domain Values

Unrepresentable Domain

status

Hide Entities and Attributes ▲