<div style="border:1px solid">

Statewide State Roads Layer

</div>

Michigan Geographic Framework

Field Definitions

(Shapefile Attribute Table)
(June 1, 2014 – Version 14a)

The following field definitions make up the shapefile attribute table called Statewide State Roads. This shapefile consists of only the road segments that are owned by the State of Michigan, Department of Transportation. The Michigan Center for Geographic Information is also distributing one other road segment based Framework layer shapefile. The All Roads layer, consists of all road segments as they are classified in the Michigan Geographic Framework.
All road layers are also available by individual county.

The attribute table can be found in the file Stroads_MI_v14a.DBF.

Please Note: If you have any questions about the framework data you have received, please contact Josh Ross at the Center for Shared Solutions and Technology Partnerships. Phone: 517-373-7910, email: *rossj@michigan.gov*

Field Name	Type	Size	Description	Comments
FCC	C	3	Framework Classification Code	See FCC Road Appendix at end of document.
RDNAME	C	60	This field contains a concatenated street name made up of the data contained in FEDIRP, NAME, FETYPE, and FEDIRS	For further information, see info on FEDIRP, NAME, FETYPE, and FEDIRS below
FRADDL	N	11	Left side from Address	Potential "from" and "to" address ranges. These ranges were originally transferred from TIGER. Some modifications have since been made.
TOADDL	N	11	Left side to Address	
FRADDR	N	11	Right side from Address	
TOADDR	N	11	Right side to Address	
ZIPL	N	5	Left side ZIP code	ZIP codes as created by the Michigan Center for Geographic Information based on US Postal Service data. These zip code fields may contain incomplete data at this time.
ZIPR	N	5	Right side ZIP code	
FEDIRP	C	2	Feature Prefix Direction	A pre-directional associated with an arc's street name (N, S, E, W, etc.).

Field Name	Type	Size	Description	Comments
NAME	C	30	Feature Name	The street name assigned to the arc. *
FETYPE	C	4	Feature Type	The street type (AVE, BLVD, RD, ST etc) assigned to the arc.
FEDIRS	C	2	Feature Suffix Direction	A post-directional associated with an arc's street name component (N, S, E, W, etc.).
FEDIRP2	C	2	Secondary Feature Prefix Direction	Road name aliases (e.g., Ford Fwy for I-94 Fwy).
NAME2	C	30	Secondary Feature Name	
FETYPE2	C	4	Secondary Feature Type	
FEDIRS2	C	2	Secondary Feature Suffix Direction	
FEDIRP3	C	2	Feature Direction Prefix 3	A pre-directional used by the Post Office in the Zip+4 associated with an arc's street name (N, S, E, W, etc.). This field will only be filled when some part of the Post Office street name is different from the corresponding part of any of the "primary" street name components (FEDIRP, NAME, etc.)
NAME3	C	30	Feature Name 3	The name used by the Post Office in the Zip+4. This field will only be filled when some part of the Post Office street name is different from the corresponding part of any of the "primary" street name components (FEDIRP, NAME, etc.)
FETYPE3	C	4	Feature Type 3	The street type of the Post Office/Zip+4 name (N, S, E, W, etc.). This field will only be filled when some part of the Post Office street name is different from the corresponding part of any of the "primary" street name components (FEDIRP, NAME, etc.)
FEDIRS3	C	2	Feature Direction Suffix 3	A post-directional associated with an arc's Post Office/Zip+4 name (N, S, E, W, etc.). This field will only be filled when some part of the Post Office street name is different from the corresponding part of any of the "primary" street name components (FEDIRP, NAME, etc.)

Field Name	Type	Size	Description	Comments
RAMPID	C	10	Michigan Accident Location Index (MALI) Ramp Identification Number	MDOT individual RAMP identification within an interchange. Made up of 3 digits and a letter. Example: The RAMPID for the exit ramp from N US 131 to eastbound 28th street in Kent county is 008D.
COUNTYL	I	3	Left side County FIPS code	County boundaries may be displayed by selecting COUNTYL <> COUNTYR. The county polygon boundary has been closed. All arcs have been assigned COUNTYL and COUNTYR values.
COUNTYR	I	3	Right side County FIPS code	
NFC	N	2	MDOT National Functional Classification (NFC) code 1 – Interstates 2 – Other Freeways 3 – Other Principal Arterials 4 – Minor Arterials 5 – Major Collectors 6 – Minor Collectors 7 – Local 0 or uncoded -- not a certified public road	Uses United States Department of Transportation (USDOT) system classifying all roads by their transportation function. This system is called the National Functional Classification (NFC) system. There are three major types: (Arterial, Collector, and Local) Future NFC route locations are available in shapefile format. Please contact CGI to obtain a copy.
RU_L	I	1	Rural/Urban Designation Left	Code Description 1 Rural Area 2 Small Urban Area (5,000 to 49,999) 3 Small Urbanized Area (Population 50,000 to 199,999) 4 Large Urbanized Area (Population 200,000 or More)
RU_R	I	1	Rural/Urban Designation Right	

Field Name	Type	Size	Description	Comments
LEGALSYST	N	2	Indicates ownership of the road 1 – State Trunkline 2 – County Primary 3 – County Local 4 – City Major 5 – City Minor 7 – Uncertified with a Funclass	The legal system defines the importance of the road and the unit of government that has jurisdiction over the road. This field may or may not be filled in this version of the file.
PR	N	7	Physical Road ID number	Michigan Dept. of Transportation (MDOTs) standard for the Linear Referencing System requires that Physical Road (PRs) are continuous without gaps or overlaps in mile posting.
BMP	N	10,3	Beginning PR (Physical Road) segment Mile Point for linear referencing system	This value is derived from the MALI database and may not match the GIS length.
EMP	N	10,3	Ending PR (Physical Road) segment Mile Point for linear referencing system	This value is derived from the MALI database and may not match the GIS length.
BPT	C	8	Permanent, unique segment Beginning Point ID	Used along with PR as the fundamental key in identifying change transactions
EPT	C	8	Permanent, unique segment Ending Point ID	Used along with PR as the fundamental key in identifying change transactions
LRS_LINK	C	23	Linear Referencing System link field	This field consists of the PR, BPT and EPT fields concatenated (PR, BPT and EPT defined above). This field uniquely identifies a road segment. It will be used to track changes made to road segments that have assigned PRs (Physical Road numbers) .
LENGTH	F	20,5	Arc Length	Feature length in meters obtained from the ArcInfo AAT.
OID	F	20	Object Identification Number: Michigan Geographic Framework (MGF) Version 3.0 ID	Unique ID
VER	C	3	Michigan Geographic Framework Version Number	The VER field contains the Michigan Geographic Framework version from which the layer was created.

Type: C Character
F Floating Point
N Numeric
I Interger

Valid FCC State Road Codes

A00 – Future road under construction

A1* – Limited access Interstates and non-Interstates (aka Freeways) such as I 75, I 94, US 27, M 39

> **Valid Codes:**
>
> **A11** – Limited access Interstate
>
> **A12** – Limited access non-Interstate
>
> **A13** – Ramp to or from a limited access highway
>
> **A14** – Feature associated with rest areas, weigh stations and MDOT garages that are accessible only from A11 or A12 roads
>
> **A15 –** Collector/Distributor. Specialized ramp like feature that distributes traffic within complex interchanges. Must connect at both ends with a main line (A11 or A12). Must intersect at least 2 ramps. IE: I 94 and I 69 interchange in Calhoun County near Marshall.
>
> **A16 –** Restricted use turnaround in a limited access highway. Normally a feature crossing the median.

A2* – US Highways & State Highways such as M 52, US 12. (Not limited access)

> **Valid Codes:**
>
> **A21** – Unlimited access US Highways & State Highways
>
> **A22** – Unsigned State Trunkline Highways
>
> **A23** – Ramp to or from an unlimited access highway
>
> **A24 –** Feature associated with non-limited access rest areas and roadside parks
>
> **A25 –** State owned surface streets that act as service drives to limited access Freeways (A11 or A12)
>
> **A26 –** State trunkline boulevard turnaround (Non-limited access)
>
> **A29** – Unlimited access end of the ramp between the barrels of the boulevard.

A9* - Artificial road feature: These roads are not seen on a Digital Ortho Quad, but are needed to retain important attribute information.

> **Valid Codes:**
>
> **A92** – Artificial roads that serve as control section break.