

2020 Indiana Data Harvest Metadata



GIS DATA HARVEST PROGRAM



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1 Introduction

The 2020 Indiana Data Harvest project was completed between September and December, 2020. The goal of this annual project is to obtain address points, street centerlines, parcels, and boundaries from Indiana's 92 counties and combine them into statewide datasets. A list of required and desired fields for each layer were provided.

The GIO office attempted to contact all counties and county GIS service providers to request the datasets. Geographic data were obtained from all counties, although some specific datasets were unavailable. Appendix A – Data Sources details the source of each county's data.

Once the data sets were received, the attribute fields were matched up with the required and desired fields for each data set. All attribute values were capitalized, extra spaces were removed, and empty values were set to null.

The following sections provide additional information regarding the fields and tasks that were completed to incorporate the data.

2 Address Points

Approximately 3.2 million address points were obtained for the state. No address point data sets were provided by Crawford, Howard, and Porter counties.

Appendix B – Address Points Data Structure details the data structure of the Address Points layer while Appendix E – Domain Values provides the possible domain values.

The following fields were populated based on information provided by the counties:

- **FULL_ADDRESS**
- **ADDRESS_NUMBER**
- **ADDRESS_PREFIX** (the address prefix was standardized to use only values from the Direction Domain)
- **ADDRESS_NAME**
- **ADDRESS_TYPE** (the address type was standardized to use only values from the StreetType Domain)
- **ADDRESS_SUFFIX** (the address suffix was standardized to use only values from the Direction Domain)
- **ADDRESS_CITY**
- **ADDRESS_ZIP**
- **UNITID**
- **STATE_PARCEL_ID**
- **PLACEMENT** (the placement was standardized to use only values from the PlacementType Domain)
- **PLACE_TYPE** (the place type was standardized to use only values from the PlaceType Domain)
- **ELEVATION**

Not all source data provided the address information divided into the address components (prefix, name, type, and suffix). When this was the case, the addresses were split into these components.

The following fields were populated by the Data Harvest Team:

- **PERMANENT_IDENTIFIER:** a unique identifier for this record.
- **SOURCE_DATADESC:** set to “ADDRESS POINTS” for all records.
- **SOURCE_DATASETID:** the name of the source feature class provided by the county or contractor.
- **SOURCE_FEATUREID:** the feature identifier of the source feature.
- **SOURCE_ORIGINATOR:** the name of the county.
- **CURRENT_STATUS:** currently not utilized.
- **LOADDATE:** the date the data was provided to the Data Harvest team.
- **COUNTY_FIPS:** the FIPS code of the county. For Indiana, this ranges from 18001 to 18183.
- **COUNTY_ID:** the county ID code. This ranges from 01 for Adams County to 92 for Whitley County.
- **JOIN_STATE_PARCEL_ID:** the state identifier of the parcel in which the address point is located. This was assigned from the Parcels layer (see Section 4 for more details).
- **DLGF_PROP_ADDRESS:** the address associated with the JOIN_STATE_PARCEL_ID stored in the Indiana Department of Local Government Finance’s 2020 Pay 2021 Real Property Files.
- **DLGF_PROP_ADDRESS_CITY:** the city associated with the JOIN_STATE_PARCEL_ID stored in the Indiana Department of Local Government Finance’s 2020 Pay 2021 Real Property Files.
- **DLGF_PROP_ADDRESS_ZIP:** the ZIP code associated with the JOIN_STATE_PARCEL_ID stored in the Indiana Department of Local Government Finance’s 2020 Pay 2021 Real Property Files.
- **PROP_CC CODE:** the property class code associated with the JOIN_STATE_PARCEL_ID stored in the Indiana Department of Local Government Finance’s 2020 Pay 2021 Real Property Files.
- **ESRI_ZIP:** the ZIP code of this address according to the “USA ZIP Code Areas” layer available from Esri at <https://www.arcgis.com/home/item.html?id=8d2012a2016e484dafaac0451f9aea24>.
- **ESRI_PONAME:** the name of the post office associated with the ZIP code. Same data source as ESRI_ZIP.
- **LATITUDE:** the address point’s latitude in WGS84.
- **LONGITUDE:** the address point’s longitude in WGS84.
- **GEOFULLADDRESS:** a geocodable address made from the address number, prefix, name, type, and suffix after all elements have been standardized. If the address point does not have any of those fields populated, the DLGF_PROP_ADDRESS value was used to populate the GEOFULLADDRESS field.
- **ADDRESS_COUNTY:** the name of the county in which the address is located.
- **STATE_NAME:** the state in which the address is located.
- **SRCE_ID:** object identifier from statewide dataset provided to the state.
- **UNITTYPE:** the type of unit.
- **ASSESS_YR:** the assessment year.

3 Street Centerlines

Just over half a million roads segments were obtained for the state. No roads were provided by Crawford and Tipton counties. Additionally, many counties' data only included the street name and did not include address ranges.

To improve the statewide dataset, an attempt was made to augment the county-provided data with the U.S. Census Bureau's Tiger/Line ("Tiger") data. Specifically, the team attempted to match each street centerline with its corresponding Tiger-based Address Range Feature (addrfeat.shp). Additional information about Tiger/Line data can be found at https://www2.census.gov/geo/pdfs/maps-data/data/tiger/tgrshp2019/TGRSHP2019_TechDoc.pdf. **The process of matching the county or contractor-provided street centerline to a Tiger address range feature ("Tiger road") is not perfect. Before using the TIGER_* attributes listed below, it is important to understand how the Tiger road information was assigned to the street centerline. Please review DLGF Property Class Code**

Code	Description
100	AGRICULTURAL - VACANT LAND
101	AGRICULTURAL - CASH GRAIN/GENERAL FARM
102	AGRICULTURAL - LIVESTOCK OTHER THAN DAIRY OR POULTRY
103	AGRICULTURAL - DAIRY FARM
104	AGRICULTURAL - POULTRY FARM
105	AGRICULTURAL - FRUIT & NUT FARM
106	AGRICULTURAL - VEGETABLE FARM
107	AGRICULTURAL - TOBACCO FARM
108	AGRICULTURAL - NURSERY
109	AGRICULTURAL - GREENHOUSES
110	AGRICULTURAL - HOG FARM
111	AGRICULTURAL - BEEF FARM
120	AGRICULTURAL - TIMBER
141	AGRICULTURAL LAND WITH MOBILE HOME
149	AGRICULTURAL LAND WITH PP MOBILE HOME
198	AGRICULTURAL BUILD LEASE LAND
199	AGRICULTURAL - OTHER AGRICULTURAL USE
200	MINERAL
300	INDUSTRIAL VACANT LAND
309	AS VACANT BUT IS PART OF THE SUPPORT LAND FOR APANROCTEHLECRPAAASRSCIFEILED
310	INDUSTRIAL FOOD & DRINK
320	INDUSTRIAL FOUNDRIES & HEAVY MANUFACTURING
330	INDUSTRIAL MEDIUM MANUFACTURING & ASSEMBLY
340	INDUSTRIAL LIGHT MANUFACTURING & ASSEMBLY
345	INDUSTRIAL OFFICE
346	INDUSTRIAL RESEARCH AND DEVELOPMENT FACILITY
350	INDUSTRIAL WAREHOUSE

Code	Description
360	INDUSTRIAL TRUCK TERMINALS
370	INDUSTRIAL SMALL SHOPS
380	INDUSTRIAL MINES AND QUARRIES
385	INDUSTRIAL LANDFILL
390	INDUSTRIAL GRAIN ELEVATORS
398	INDUSTRIAL BUILDING ON LEASED LAND
399	INDUSTRIAL OTHER STRUCTURES
400	COMMERCIAL VACANT LAND
401	COMMERCIAL 4-19 FAMILY APARTMENTS
402	COMMERCIAL 20-39 FAMILY APARTMENTS
403	COMMERCIAL 40 OR MORE FAMILY APARTMENTS
409	COMMERCIAL PARCEL CLASSIFIED AS VACANT BUT IS PART OF THE SUPPORT LAND FOR ANOTHER PARCEL
410	COMMERCIAL MOTELS OR TOURIST CABINS
411	COMMERCIAL HOTELS
412	COMMERCIAL NURSING HOMES & HOSPITALS
415	COMMERCIAL MOBILE HOME PARKS
419	COMMERCIAL OTHER HOUSING
420	COMMERCIAL SMALL RETAIL
421	COMMERCIAL SUPERMARKETS
422	COMMERCIAL DISCOUNT & JUNIOR DEPARTMENT STORES
424	COMMERCIAL FULL LINE DEPARTMENT STORES
425	COMMERCIAL NEIGHBORHOOD SHOPPING CENTER
426	COMMERCIAL COMMUNITY SHOPPING CENTER
427	COMMERCIAL REGIONAL SHOPPING CENTER
428	COMMERCIAL CONVENIENCE MARKET
429	COMMERCIAL OTHER RETAIL STRUCTURES
430	COMMERCIAL RESTAURANT - CAFÉ - OR BAR
431	COMMERCIAL FRANCHISE-TYPE RESTAURANT
435	COMMERCIAL DRIVE-IN RESTAURANT
439	COMMERCIAL OTHER FOOD SERVICE
440	COMMERCIAL DRY CLEAN PLANT OR LAUNDRY
441	COMMERCIAL FUNERAL HOME
442	COMMERCIAL MEDICAL CLINIC OR OFFICES
443	COMMERCIAL DRIVE-UP / WALK-UP BANK ONLY
444	COMMERCIAL FULL SERVICE BANKS
445	COMMERCIAL SAVINGS AND LOANS
447	COMMERCIAL OFFICE BUILDING 1 OR 2 STORY
448	COMMERCIAL OFFICE O/T 47 WALK-UP
449	COMMERCIAL OFFICE O/T 47 ELEVATOR

Code	Description
450	COMMERCIAL CONVENIENCE MARKET WITH GASOLINE SALES
451	COMMERCIAL CONVENIENCE MARKET / FRANCHISE-TYPE RESTAURANT WITH GASOLINE SALES
452	COMMERCIAL AUTO SERVICE STATION
453	COMMERCIAL CAR WASHES
454	COMMERCIAL AUTO SALES & SERVICE
455	COMMERCIAL GARAGE
456	COMMERCIAL PARKING LOT OR STRUCTURE
460	COMMERCIAL THEATERS
461	COMMERCIAL DRIVE-IN THEATERS
462	GOLF RANGE OR MINIATURE COURSE
463	COMMERCIAL GOLF COURSE
464	COMMERCIAL BOWLING ALLEY
465	COMMERCIAL LODGE HALL OR AMUSEMENT PARK
466	COMMERCIAL AMUSEMENT PARK
467	COMMERCIAL HEALTH CLUB
468	COMMERCIAL ICE RINK
469	COMMERCIAL RIVERBOAT GAMING RESORT
480	COMMERCIAL WAREHOUSE
481	COMMERCIAL MINI-WAREHOUSE
482	COMMERCIAL TRUCK TERMINALS
490	COMMERCIAL MARINE SERVICE FACILITY
495	COMMERCIAL MARINA
496	COMMERCIAL MARINA - SMALL BOATS
498	COMMERCIAL BUILDING ON LEASED LAND
499	COMMERCIAL OTHER STRUCTURE
500	RESIDENTIAL VACANT PLATTED LOT
501	RESIDENTIAL VACANT UNPLATTED LAND OF 0-9.99 ACRES
503	RESIDENTIAL VACANT UNPLATTED LAND OF 20-29.99 ACRES
504	RESIDENTIAL VACANT UNPLATTED LAND OF 30-39.99 ACRES
505	RESIDENTIAL VACANT UNPLATTED LAND OF 40 OR MORE ACRES
509	RESIDENTIAL PARCEL CLASSIFIED AS VACANT BUT IS PART OF THE SUPPORT LAND FOR ANOTHER PARCEL
510	RESIDENTIAL ONE FAMILY DWELLING ON A PLATTED LOT
511	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
512	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
513	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
514	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
515	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
520	RESIDENTIAL TWO FAMILY DWELLING ON A PLATTED LOT
521	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES

Code	Description
522	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
523	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
524	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
525	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
530	RESIDENTIAL THREE FAMILY DWELLING ON A PLATTED LOT
531	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
532	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
533	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
534	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
535	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
540	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON A PLATTED LOT
541	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
542	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
543	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
544	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
545	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
550	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON A PLATTED LOT
551	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
552	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
553	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
554	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
555	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
556	RESIDENTIAL CONDOMINIUMS
557	RESIDENTIAL CONDOMINIUMS COMMON AREAS
558	RESIDENTIAL CONDOMINIUMS MASTER CARD
591	RESIDENTIAL PP MOBILE HOME (NO PLAT)
598	RESIDENTIAL ON LEASED LAND
599	RESIDENTIAL OTHER STRUCTURES
600	EXEMPT PROPERTY OWNED BY THE UNITED STATES OF AMERICA
610	EXEMPT PROPERTY OWNED BY THE STATE OF INDIANA
620	EXEMPT PROPERTY OWNED BY A COUNTY

Code	Description
621	EXEMPT PROPERTY CERTIFIED FOR TREASURER'S SALE
622	EXEMPT PROPERTY HELD FOR RESALE
630	EXEMPT PROPERTY OWNED BY A TOWNSHIP
640	EXEMPT PROPERTY OWNED BY A MUNICIPALITY
645	EXEMPT PROPERTY OWNED BY A MUNICIPAL HOUSING AUTHORITY
650	EXEMPT PROPERTY OWNED BY A BOARD OF EDUCATION
660	EXEMPT PROPERTY OWNED BY A PARK DISTRICT
661	EXEMPT PROPERTY OWNED BY A CONSERVANCY DISTRICT
662	EXEMPT PROPERTY OWNED BY A SANITARY DISTRICT
665	EXEMPT PROPERTY OWNED BY A PUBLIC LIBRARY
669	OTHER EXEMPT PROPERTY OWNED BY A GOVERNMENTAL UNIT
670	EXEMPT PROPERTY OWNED BY A PRIVATE ACADEMY OR COLLEGE
680	EXEMPT PROPERTY OWNED BY A CHARITABLE ORG THAT IS GRANTED AN EXEMPTION
685	EXEMPT PROPERTY OWNED BY A RELIGIOUS ORG THAT IS GRANTED AN EXEMPTION
686	CHURCH - CHAPEL - MOSQUE - SYNAGOGUE - TABERNACLE - OR TEMPLE THAT IS GRANTED AN EXEMPTION
690	EXEMPT PROPERTY OWNED BY A CEMETERY ORG THAT IS GRANTED AN EXEMPTION
699	OTHER EXEMPT PROPERTY OWNED BY AN ORG THAT IS GRANTED AN EXEMPTION
800	LOCALLY ASSESSED VACANT UTILITY LAND-COMMERCIAL
805	LOCALLY ASSESSED VACANT UTILITY LAND-INDUSTRIAL
810	LOCALLY ASSESSED PROPERTY OWNED BY A BUS COMPANY-COMMERCIAL
811	STATE ASSESSED PROPERTY OWNED BY A BUS COMPANY
815	LOCALLY ASSESSED PROPERTY OWNED BY A BUS COMPANY-INDUSTRIAL
820	LOCALLY ASSESSED PROPERTY OWNED BY A LIGHT - HEAT - OR POWER COMPANY-COMMERCIAL
821	STATE ASSESSED PROPERTY OWNED BY A LIGHT - HEAT - OR POWER COMPANY THAT IS A PART OF ANY ROW
825	LOCALLY ASSESSED PROPERTY OWNED BY A LIGHT - HEAT - OR POWER COMPANY-INDUSTRIAL
830	LOCALLY ASSESSED PROPERTY OWNED BY A PIPELINE COMPANY-COMMERCIAL
831	STATE ASSESSED PROPERTY OWNED BY A PIPELINE COMPANY THAT IS A PART OF ROW
835	LOCALLY ASSESSED PROPERTY OWNED BY A PIPELINE COMPANY-INDUSTRIAL
840	LOCALLY ASSESSED PROPERTY OWNED BY A RAILROAD COMPANY-COMMERCIAL
841	STATE ASSESSED OPERATING PROPERTY OWNED BY A RAILROAD COMPANY
845	LOCALLY ASSESSED PROPERTY OWNED BY A RAILROAD COMPANY-INDUSTRIAL
850	LOCALLY ASSESSED PROPERTY OWNED BY A SEWAGE COMPANY-COMMERCIAL
851	STATE ASSESSED PROPERTY OWNED BY A SEWAGE COMPANY THAT IS A PART OF ANY ROW
855	LOCALLY ASSESSED PROPERTY OWNED BY A SEWAGE COMPANY-INDUSTRIAL

Code	Description
860	LOCALLY ASSESSED PROPERTY OWNED BY A TELEPHONE - TELEGRAPH - OR CABLE COMPANY-COMMERCIAL
861	STATE ASSESSED PROPERTY OWNED BY A TELEPHONE OR CABLE COMPANY THAT IS A PART OF ANY ROW
865	LOCALLY ASSESSED PROPERTY OWNED BY A TELEPHONE - TELEGRAPH - OR CABLE COMPANY-INDUSTRIAL
870	LOCALLY ASSESSED PROPERTY OWNED BY A WATER DISTRIBUTION COMPANY-COMMERCIAL
871	STATE ASSESSED PROPERTY OWNED BY A WATER COMPANY THAT CONSTITUTES A PART OF ANY ROW OF THE SYSTEM
875	LOCALLY ASSESSED PROPERTY OWNED BY A WATER DISTRIBUTION COMPANY-INDUSTRIAL

County FIPS & County ID

Name	FIPS	ID
Adams	18001	1
Allen	18003	2
Bartholomew	18005	3
Benton	18007	4
Blackford	18009	5
Boone	18011	6
Brown	18013	7
Carroll	18015	8
Cass	18017	9
Clark	18019	10
Clay	18021	11
Clinton	18023	12
Crawford	18025	13
Daviess	18027	14
Dearborn	18029	15
Decatur	18031	16
Dekalb	18033	17
Delaware	18035	18
Dubois	18037	19
Elkhart	18039	20
Fayette	18041	21
Floyd	18043	22
Fountain	18045	23
Franklin	18047	24
Fulton	18049	25
Gibson	18051	26

Name	FIPS	ID
Grant	18053	27
Greene	18055	28
Hamilton	18057	29
Hancock	18059	30
Harrison	18061	31
Hendricks	18063	32
Henry	18065	33
Howard	18067	34
Huntington	18069	35
Jackson	18071	36
Jasper	18073	37
Jay	18075	38
Jefferson	18077	39
Jennings	18079	40
Johnson	18081	41
Knox	18083	42
Kosciusko	18085	43
Lagrange	18087	44
Lake	18089	45
LaPorte	18091	46
Lawrence	18093	47
Madison	18095	48
Marion	18097	49
Marshall	18099	50
Martin	18101	51
Miami	18103	52

Name	FIPS	ID
Monroe	18105	53
Montgomery	18107	54
Morgan	18109	55
Newton	18111	56
Noble	18113	57
Ohio	18115	58
Orange	18117	59
Owen	18119	60
Parke	18121	61
Perry	18123	62
Pike	18125	63
Porter	18127	64
Posey	18129	65
Pulaski	18131	66
Putnam	18133	67
Randolph	18135	68
Ripley	18137	69
Rush	18139	70
Scott	18143	72
Shelby	18145	73
Spencer	18147	74
St Joseph	18141	71
Starke	18149	75
Steuben	18151	76
Sullivan	18153	77
Switzerland	18155	78

Name	FIPS	ID
Tippecanoe	18157	79
Tipton	18159	80
Union	18161	81
Vanderburgh	18163	82
Vermillion	18165	83
Vigo	18167	84
Wabash	18169	85
Warren	18171	86
Warrick	18173	87
Washington	18175	88
Wayne	18177	89
Wells	18179	90
White	18181	91
Whitley	18183	92

Appendix F – Matching Tiger Streets **if you plan on using this information.**

Appendix C – Parcels Data Structure details the data structure of the Street Centerlines layer while

Appendix E – Domain Values provides the possible domain values.

The following fields were populated based on information provided by the counties:

- **FULL_STREET_NAME**
- **HIGH_ADDRESS_LEFT**
- **HIGH_ADDRESS_RIGHT**
- **LOW_ADDRESS_LEFT**
- **LOW_ADDRESS_RIGHT**
- **ZIP_LEFT**
- **ZIP_RIGHT**
- **MUNILEFT**
- **MUNIRIGHT**
- **STATELEFT**
- **STATERIGHT**
- **MTFCC_CODE**
- **ADDRESS_PD** (the address prefix was standardized to use only values from the Direction Domain)
- **ADDRESS_SN**
- **ADDRESS_ST** (the address type was standardized to use only values from the StreetType Domain)
- **ADDRESS_SD** (the address suffix was standardized to use only values from the Direction Domain)
- **COUNTY_L**
- **COUNTY_R**
- **ONE_WAY** (this field was standardized to use only values from the OneWay Domain)
- **SPEED_LIMIT**

Not all source data provided the address information divided into the address components (prefix, name, type, and suffix). When this was the case, the addresses were split into these components.

The following fields were populated by the Data Harvest Team:

- **PERMANENT_IDENTIFIER:** a unique identifier for this record.
- **SOURCE_DATADESC:** set to “ROADS” for all records.
- **SOURCE_DATASETID:** the name of the source feature class provided by the county or contractor.
- **SOURCE_FEATUREID:** the feature identifier of the source feature.
- **SOURCE_ORIGINATOR:** the name of the county.
- **CURRENT_STATUS:** currently not utilized.
- **LOADDATE:** the date the data was provided to the Data Harvest team.
- **COUNTY_FIPS:** the FIPS code of the county. For Indiana, this ranges from 18001 to 18183.

- **COUNTY_ID:** the county ID code. This ranges from 1 for Adams County to 92 for Whitley County.
- **TIGER_TLID:** the TLID (permanent edge identifier) of the matching Tiger record.
- **TIGER_LINEARID:** the LINEARID (linear feature identifier) of the matching Tiger record.
- **TIGER_FULLNAME:** the street name of the matching Tiger record.
- **TIGER_LFROMHN:** the “from” house number associated with the address range on the left side of the matching Tiger record.
- **TIGER_LTOHN:** the “to” house number associated with the address range on the left side of the matching Tiger record.
- **TIGER_RFROMHN:** the “from” house number associated with the address range on the right side of the matching Tiger record.
- **TIGER_RTOHN:** the “to” house number associated with the address range on the right of the matching Tiger record.
- **TIGER_ROAD_MTFCC:** the U.S. Census Bureau’s Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) database feature class code of the matching Tiger record.
- **TIGER_ZIPL:** the ZIP code associated with the most inclusive address range on the left side of the matching Tiger record.
- **TIGER_ZIPR:** the ZIP code associated with the most inclusive address range on the right side of the matching Tiger record.
- **ESRI_PONAMEL:** the name of the post office associated with the TIGER_ZIPL code. This name was obtained from the “USA ZIP Code Areas” layer available from Esri at <https://www.arcgis.com/home/item.html?id=8d2012a2016e484dafaac0451f9aea24>.
- **ESRI_PONAMER:** the name of the post office associated with the TIGER_ZIPR code. Same data source as ESRI_PONAMEL.
- **GEOFULLADDRESS:** a geocodable address made from the address number, prefix, name, type, and suffix after all elements have been standardized.
- **CENTERLINEID:** the OBJECTID value.

4 Parcels

Almost 3.6 million parcels were obtained with all 92 counties contributing. Appendix C – Parcels Data Structure details the data structure of the Parcels layer.

The following fields were populated based on information provided by the counties:

- **STATE_PARCEL_ID:** the state parcel identifier without any special characters.
- **PARCEL_ID:** the formatted state parcel identifier.
- **PROPERTY_ADD:** the property’s address.
- **PROPERTY_CITY:** the property’s city.
- **PROPERTY_ZIP:** the property’s ZIP code.
- **PROP_STATE:** the property’s state abbreviation.

The following fields were populated by the Data Harvest Team:

- **PERMANENT_IDENTIFIER:** a unique identifier for this record.
- **SOURCE_DATADESC:** set to “PARCELS” for all records.

- **SOURCE_DATASETID:** the name of the source feature class provided by the county or contractor.
- **SOURCE_FEATUREID:** the feature identifier of the source feature.
- **SOURCE_ORIGINATOR:** the name of the county.
- **CURRENT_STATUS:** currently not utilized.
- **LOADDATE:** the date the data was provided to the Data Harvest team.
- **COUNTY_FIPS:** the FIPS code of the county. For Indiana, this ranges from 18001 to 18183.
- **COUNTY_ID:** the county ID code. This ranges from 1 for Adams County to 92 for Whitley County.
- **DLGF_PROP_ADDRESS:** the address associated with the STATE_PARCEL_ID stored in the Indiana Department of Local Government Finance's 2020 Pay 2021 Real Property Files.
- **DLGF_PROP_ADDRESS_CITY:** the city associated with the STATE_PARCEL_ID stored in the Indiana Department of Local Government Finance's 2020 Pay 2021 Real Property Files.
- **DLGF_PROP_ADDRESS_ZIP:** the ZIP code associated with the STATE_PARCEL_ID stored in the Indiana Department of Local Government Finance's 2020 Pay 2021 Real Property Files.
- **PROPERTY_CLASS_CODE:** the property class code associated with the STATE_PARCEL_ID stored in the Indiana Department of Local Government Finance's 2020 Pay 2021 Real Property Files. See DLGF Property Class Code in Appendix E – Domain Values for property class code descriptions.
- **TAXDISTRICT:** the tax district for this parcel.
- **ASSESSMENT_YEAR:** the assessment year.
- **ESRI_ZIP:** the ZIP code of the parcel's centroid according to the "USA ZIP Code Areas" layer available from Esri at <https://www.arcgis.com/home/item.html?id=8d2012a2016e484dafaac0451f9aea24>.
- **ESRI_PONAME:** the name of the post office associated with the ZIP code. Same data source as ESRI_ZIP.
- **LATITUDE:** the address point's latitude in WGS84.
- **LONGITUDE:** the address point's longitude in WGS84.

5 Boundaries

Almost 5,000 boundaries were collected from the counties. Appendix D – Boundaries Data Structure details the data structure of Boundaries layer while Appendix E – Domain Values provides the possible domain values.

The following fields were populated based on information provided by the counties:

- **NAME:** the boundary's name.
- **TYPE:** the type of boundary.

The following fields were populated by the Data Harvest Team:

- **PERMANENT_IDENTIFIER:** a unique identifier for this record.
- **SOURCE_DATADESC:** set to "BOUNDARIES" for all records.
- **SOURCE_DATASETID:** the name of the source feature class provided by the county or contractor.
- **SOURCE_FEATUREID:** the feature identifier of the source feature.

- **SOURCE_ORIGINATOR:** the name of the county.
- **CURRENT_STATUS:** currently not utilized.
- **LOADDATE:** the date the data was provided to the Data Harvest team.
- **COUNTY_FIPS:** the FIPS code of the county. For Indiana, this ranges from 18001 to 18183.
- **COUNTY_ID:** the county ID code. This ranges from 1 for Adams County to 92 for Whitley County.

These boundaries are provided as-is. Indeed, it is important to note that the boundaries from adjacent counties may overlap or have slivers.

6 Frequently Asked Questions

6.1 What's the best way to find a county's data?

There are multiple ways to extract a specific county's data:

- **Query the COUNTY_FIPS or COUNTY_ID field:** County FIPS & County ID in Appendix E – Domain Values includes a table that lists the COUNTY_FIPS and COUNTY_ID values for each Indiana county. For example, you could search for COUNTY_FIPS = '18001' or COUNTY_ID = 1.
- **Query the SOURCE_ORIGINATOR field:** this field includes the county name followed by the word "COUNTY". For example, you could search for SOURCE_ORIGINATOR = 'ADAMS COUNTY'.

6.2 How do I join this data to the Indiana DLGF data?

On an annual basis, the Indiana Department of Local Government Finance (DLGF) receives assessor data from each county. This tabular data uses a unique parcel identifier to relate all records in the various table to the appropriate parcel.

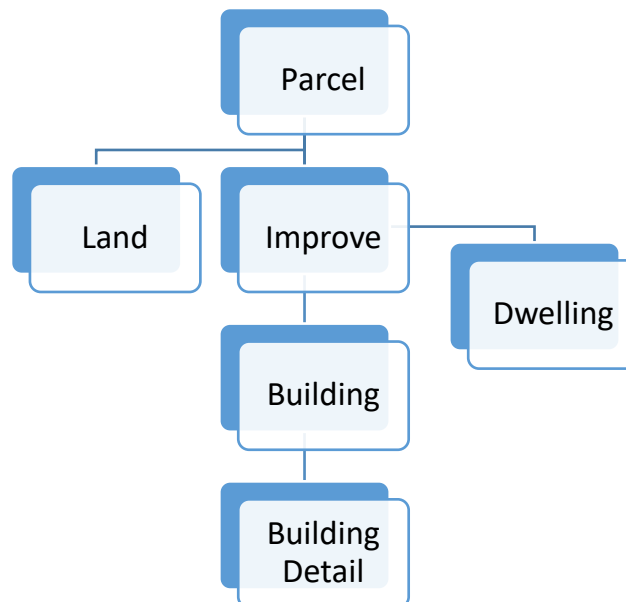


Figure 1. DLGF Table Structure

The field name in the DLGF data is "PARCEL_NUMBER". This identifier corresponds to the following fields:

- **Address points:** the best field to use is the JOIN_STATE_PARCEL_ID field. This field was populated by performing a spatial join between the address point and the parcel layer. The parcel identifier stored in this text field is formatted the same way (without periods or dashes, just numbers) as the PARCEL_NUMBER field in the DLGF data. You could potentially use the STATE_PARCEL_ID field, but note that this field is based on information provided by the county and many counties did not include this information for address points. Additionally, the formatting of this field may not match the DLGF format.
- **Parcels:** you should use the STATE_PARCEL_ID field. This field is the parcel identifier provided by the county but without any dashes or periods.

6.3 Which data should I use to create a geocoder for my county?

We recommend you create a composite address locator using the following datasets:

1. Address points: the GEOFULLADDRESS field is the field with the most complete street address information (see information about this field in section 2). For the zip code and post office name, use the ESRI_ZIP and ESRI_PONAME fields.
2. Street Centerlines: use only those street centerlines who have values for the HIGH_ADDRESS_LEFT, HIGH_ADDRESS_RIGHT, LOW_ADDRESS_LEFT, or LOW_ADDRESS_RIGHT as many counties did not provide address ranges.
3. Tiger address range features: these can be downloaded from <https://www2.census.gov/geo/tiger/TIGER2019/ADDRFEAT/>.
4. ZIP Code boundaries: the ZIP code boundaries used during the data harvest can be downloaded from <https://www.arcgis.com/home/item.html?id=8d2012a2016e484dafaac0451f9aea24>.

A custom file geodatabase with the data necessary for a geocoder, along with various Esri locators and a composite locator are available separately.

Appendix A – Data Sources

County	Address Points	Streets	Parcels	Boundaries
Adams	County	County	County	County
Allen	County	County	County	County
Bartholomew	Contractor	Contractor	Contractor	Contractor
Benton	Contractor	Contractor	Contractor	Contractor
Blackford	County	Contractor	Contractor	County
Boone	County	County	County	County *
Brown	Contractor	Contractor	Contractor	Contractor
Carroll	Contractor	Contractor	Contractor	Contractor
Cass	Contractor	Contractor	Contractor	Contractor
Clark	Contractor	Contractor	Contractor	Contractor
Clay	Contractor	Contractor	Contractor	Contractor
Clinton	Contractor	Contractor	Contractor	Contractor
Crawford	County	Contractor	Contractor	Contractor
Daviess	Contractor	Contractor	Contractor	Contractor
Dearborn	Contractor	Contractor	Contractor	Contractor *
Decatur	Contractor	Contractor	Contractor	Contractor *
DeKalb	Contractor	Contractor	County	Contractor *
Delaware	County	County	Contractor	County & Contractor
Dubois	Contractor	Contractor	Contractor	Contractor
Elkhart	County	County	County	County
Fayette	Contractor	Contractor	Contractor	Contractor
Floyd	Contractor	Contractor	Contractor	Contractor
Fountain	Contractor	Contractor	County & Contractor	Contractor
Franklin	Contractor	Contractor	Contractor	Contractor
Fulton	Contractor	Contractor	Contractor	Contractor
Gibson	County	County	County	County
Grant	Contractor	Contractor	Contractor	Contractor
Greene	Contractor	Contractor	Contractor	Contractor
Hamilton	County	County	County	County
Hancock	Contractor	Contractor	Contractor	Contractor *
Harrison	Contractor	Contractor	Contractor	Contractor *
Hendricks	Contractor	Contractor	Contractor	Contractor *
Henry	Contractor	Contractor	Contractor	Contractor *
Howard	Contractor	Contractor	Contractor	Contractor *
Huntington	County	Contractor	Contractor	Contractor *
Jackson	Contractor	Contractor	Contractor	Contractor
Jasper	Contractor	Contractor	Contractor	Contractor
Jay	Contractor	Contractor	Contractor	

County	Address Points	Streets	Parcels	Boundaries
Jefferson	Contractor	Contractor	Contractor	Contractor
Jennings	Contractor	Contractor	Contractor	Contractor
Johnson	County	County	County	County
Knox	Contractor	Contractor	Contractor	Contractor
Kosciusko	County	County	County	County
LaGrange	Contractor	Contractor	Contractor	Contractor *
Lake	County	County	County	County
LaPorte	County	County	County	County
Lawrence	Contractor	Contractor	Contractor	Contractor
Madison	County	County	County	County
Marion	County	County	County	County
Marshall	Contractor	Contractor	Contractor	Contractor *
Martin	Contractor	Contractor	Contractor	Contractor
Miami	Contractor	Contractor	Contractor	Contractor *
Monroe	County & City	Contractor	Contractor	Contractor & County
Montgomery	Contractor	County	County	Contractor & County
Morgan	Contractor	Contractor	Contractor	Contractor
Newton	Contractor	Contractor	Contractor	Contractor
Noble	County	Contractor	Contractor	Contractor & County
Ohio	Contractor	Contractor	Contractor	Contractor
Orange	Contractor	Contractor	Contractor	Contractor
Owen	Contractor	Contractor	Contractor	Contractor
Parke	Contractor	Contractor	Contractor	Contractor
Perry	Contractor	Contractor	Contractor	Contractor
Pike	Contractor	Contractor	Contractor	Contractor
Porter	County	County	County	County
Posey	Contractor	Contractor	Contractor	Contractor
Pulaski	Contractor	Contractor	Contractor	Contractor
Putnam	Contractor	Contractor	Contractor	Contractor
Randolph	Contractor	Contractor	Contractor	Contractor
Ripley	Contractor	Contractor	Contractor	Contractor
Rush	County	Contractor	Contractor	Contractor
Scott	Contractor	Contractor	Contractor	Contractor
Shelby	Contractor	Contractor	Contractor	Contractor
Spencer	Contractor	Contractor	Contractor	Contractor
St Joseph	Contractor	Contractor	Contractor	Contractor
Starke	Contractor	Contractor	Contractor	Contractor
Steuben	Contractor	Contractor	Contractor	Contractor *
Sullivan	Contractor	Contractor	Contractor	Contractor
Switzerland	Contractor	Contractor	Contractor	Contractor

County	Address Points	Streets	Parcels	Boundaries
Tippecanoe	County	County	County	County
Tipton	Contractor	County	Contractor	Contractor *
Union	Contractor	Contractor	Contractor	Contractor
Vanderburgh	Contractor	Contractor	Contractor	Contractor
Vermillion	Contractor	Contractor	Contractor	Contractor
Vigo	Contractor	Contractor	Contractor	Contractor
Wabash	County	Contractor	Contractor	Contractor *
Warren	Contractor	Contractor	Contractor	Contractor
Warrick	Contractor	Contractor	Contractor	Contractor
Washington	Contractor	Contractor	Contractor	Contractor
Wayne	County	County	County	County
Wells	Contractor	Contractor	Contractor	Contractor *
White	Contractor	Contractor	Contractor	Contractor
Whitley	Contractor	Contractor	Contractor	Contractor *

* County boundary generated from another dataset, such as voting precincts.

Appendix B – Address Points Data Structure

Field Name	Field Type	Field Length	Domain
OBJECTID	OID	4	
Shape	Geometry	0	
FULL_ADDRESS	String	125	
ADDRESS_NUMBER	String	10	
ADDRESS_PREFIX	String	10	Direction
ADDRESS_NAME	String	60	
ADDRESS_TYPE	String	255	StreetType
ADDRESS_SUFFIX	String	6	Direction
ADDRESS_CITY	String	60	
ADDRESS_ZIP	String	10	
UNITID	String	10	
STATE_PARCEL_ID	String	25	
PLACEMENT	String	25	PlacementType
PLACE_TYPE	String	50	PlaceType
ELEVATION	SmallInteger	2	
PERMANENT_IDENTIFIER	String	40	
SOURCE_DATADESC	String	100	
SOURCE_DATASETID	String	40	
SOURCE_FEATUREID	String	40	
SOURCE_ORIGINATOR	String	130	
CURRENT_STATUS	SmallInteger	2	
LOADDATE	Date	8	
COUNTY_FIPS	String	5	
COUNTY_ID	SmallInteger	2	
ESRI_ZIP	String	10	
ESRI_PONAME	String	100	
DLGF_PROP_ADDRESS	String	80	
DLGF_PROP_ADDRESS_CITY	String	30	
DLGF_PROP_ADDRESS_ZIP	String	10	
PROP_CCODE	String	3	
LATITUDE	Double	8	
LONGITUDE	Double	8	
JOIN_STATE_PARCEL_ID	String	100	
GEOFULLADDRESS	String	100	
ADDRESS_COUNTY	String	60	
STATE_NAME	String	60	
SRCE_ID	Integer	4	
UNITTYPE	String	10	

Field Name	Field Type	Field Length	Domain
ASSESS_YR	SmallInteger	2	

Appendix B – Street Centerlines Data Structure

Field Name	Field Type	Field Length	Domain
OBJECTID	OID	4	
Shape	Geometry	0	
Shape_Length	Double	8	
FULL_STREET_NAME	String	100	
HIGH_ADDRESS_LEFT	String	12	
HIGH_ADDRESS_RIGHT	String	12	
LOW_ADDRESS_LEFT	String	12	
LOW_ADDRESS_RIGHT	String	12	
ZIP_LEFT	String	10	
ZIP_RIGHT	String	10	
MUNILEFT	String	100	
MUNIRIGHT	String	100	
STATELEFT	String	2	
STATERIGHT	String	2	
MTFCC_CODE	String	5	
ADDR_PD	String	12	Direction
ADDR_SN	String	60	
ADDR_ST	String	40	StreetType
ADDR_SD	String	12	Direction
COUNTY_L	String	40	
COUNTY_R	String	40	
ONE_WAY	String	2	OneWay
SPEED_LIMIT	SmallInteger	2	
PERMANENT_IDENTIFIER	String	40	
SOURCE_DATADESC	String	100	
SOURCE_DATASETID	String	40	
SOURCE_FEATUREID	String	40	
SOURCE_ORIGINATOR	String	130	
CURRENT_STATUS	SmallInteger	2	
LOADDATE	Date	8	
COUNTY_FIPS	String	5	
COUNTY_ID	SmallInteger	2	
TIGER_TLID	Integer	4	
TIGER_LINEARID	String	22	
TIGER_FULLNAME	String	100	
TIGER_LFROMHN	Integer	4	
TIGER_LTOHN	Integer	4	
TIGER_RFROMHN	Integer	4	

Field Name	Field Type	Field Length	Domain
TIGER_RTOHN	Integer	4	
TIGER_ROAD_MTFCC	String	5	
TIGER_ZIPL	String	5	
TIGER_ZIPR	String	5	
ESRI_PONAMEL	String	100	
ESRI_PONAMER	String	100	
GEOFULLADDRESS	String	100	
CENTERLINEID	Integer	4	
ADDR_PT	String	40	StreetType

Appendix C – Parcels Data Structure

Field Name	Field Type	Field Length	Domain
OBJECTID	OID	4	
Shape	Geometry	0	
STATE_PARCEL_ID	String	150	
PARCEL_ID	String	100	
PROPERTY_ADDRESS	String	60	
PROPERTY_ADDRESS_CITY	String	30	
PROPERTY_ADDRESS_ZIP_CODE	String	10	
PROP_STATE	String	2	
PERMANENT_IDENTIFIER	String	40	
SOURCE_DATADESC	String	100	
SOURCE_DATASETID	String	40	
SOURCE_FEATUREID	String	40	
SOURCE_ORIGINATOR	String	130	
CURRENT_STATUS	SmallInteger	2	
LOADDATE	Date	8	
COUNTY_FIPS	SmallInteger	2	
COUNTY_ID	SmallInteger	2	
DLGF_PROP_ADDRESS	String	80	
DLGF_PROP_ADDRESS_CITY	String	30	
DLGF_PROP_ADDRESS_ZIP	String	10	
PROP_CLASS_CODE	String	3	
ESRI_ZIP	String	10	
ESRI_PONAME	String	100	
LATITUDE	Double	8	
LONGITUDE	Double	8	
Shape_Length	Double	8	
Shape_Area	Double	8	
TAXDISTRICT	String	5	
ASSESSMENT_YEAR	SmallInteger	2	

Appendix D – Boundaries Data Structure

Field Name	Field Type	Field Length	Domain
OBJECTID	OID	4	
Shape	Geometry	0	
NAME	String	255	
TYPE	String	150	BoundaryType
PERMANENT_IDENTIFIER	String	40	
SOURCE_DATADESC	String	100	
SOURCE_DATASETID	String	40	
SOURCE_FEATUREID	String	40	
SOURCE_ORIGINATOR	String	130	
CURRENT_STATUS	SmallInteger	2	
LOADDATE	Date	8	
COUNTY_FIPS	String	5	
COUNTY_ID	SmallInteger	2	
Shape_Length	Double	8	
Shape_Area	Double	8	

Appendix E – Domain Values

BoundaryType Domain

Code	Name
CIVIL TOWNSHIPS	CIVIL TOWNSHIPS
COUNTY BOUNDARY	COUNTY BOUNDARY
EMERGENCY MEDICAL SERVICE AREA	EMERGENCY MEDICAL SERVICE AREA
ESN BOUNDARY	ESN BOUNDARY
FIRE DISTRICT	FIRE DISTRICT
INCORPORATED AREAS	INCORPORATED AREAS
POLITICAL TOWNSHIP	POLITICAL TOWNSHIP
SCHOOL DISTRICT	SCHOOL DISTRICT
TAX DISTRICT	TAX DISTRICT
TOWNSHIP	TOWNSHIP
VOTER DISTRICT	VOTER DISTRICT
ZIP CODE	ZIP CODE
POLICE DISTRICT	POLICE DISTRICT
LIBRARY DISTRICT	LIBRARY DISTRICT
CONGRESSIONAL DISTRICT	CONGRESSIONAL DISTRICT
PROVISIONING BOUNDARY	PROVISIONING BOUNDARY

Direction Domain

Code	Description
E	EAST
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
W	WEST

OneWay Domain

Code	Description
B	BOTH
FT	FROM TO
TF	TO FROM

PlacementType Domain

Code	Description
GEOCODING	GEOCODING
PARCEL	PARCEL
PROPERTY ACCESS	PROPERTY ACCESS
STRUCTURE	STRUCTURE
SITE	SITE
UNKNOWN	UNKNOWN

PlaceType Domain

CODE	NAME
AIRCRAFT	AIRCRAFT
AIRPORT	AIRPORT
ARENA	ARENA
AUTOMOBILE	AUTOMOBILE
BANK	BANK
BAR	BAR
BICYCLE	BICYCLE
BUS	BUS
BUS-STATION	BUS-STATION
CAFE	CAFE
CLASSROOM	CLASSROOM
CLUB	CLUB
CONSTRUCTION	CONSTRUCTION
CONVENTION-CENTER	CONVENTION-CENTER
GOVERNMENT	GOVERNMENT
HOSPITAL	HOSPITAL
HOTEL	HOTEL
INDUSTRIAL	INDUSTRIAL
LIBRARY	LIBRARY
MOTORCYCLE	MOTORCYCLE
OFFICE	OFFICE
OTHER	OTHER
OUTDOORS	OUTDOORS
PARKING	PARKING
PLACE-OF-WORSHIP	PLACE-OF-WORSHIP
PRISON	PRISON
PUBLIC	PUBLIC
PUBLIC-TRANSPORT	PUBLIC-TRANSPORT
RESIDENCE	RESIDENCE
RESTAURANT	RESTAURANT

CODE	NAME
SCHOOL	SCHOOL
SHOPPING-AREA	SHOPPING-AREA
STADIUM	STADIUM
STORE	STORE
STREET	STREET
THEATER	THEATER
TRAIN	TRAIN
TRAIN-STATION	TRAIN-STATION
TRUCK	TRUCK
UNDERWAY	UNDERWAY
UNKNOWN	UNKNOWN
WAREHOUSE	WAREHOUSE
WATER	WATER
WATERCRAFT	WATERCRAFT

StreetType Domain

Code	Description
ALLEY	ALY
ANEX	ANX
ARCADE	ARC
AVENUE	AVE
BAYOU	BYU
BEACH	BCH
BEND	BND
BLUFF	BLF
BLUFFS	BLFS
BOTTOM	BTM
BOULEVARD	BLVD
BRANCH	BR
BRIDGE	BRG
BROOK	BRK
BROOKS	BRKS
BURG	BG
BURGS	BGS
BYPASS	BYP
CAMP	CP
CANYON	CYN
CAPE	CPE
CAUSEWAY	CSWY
CENTER	CTR
CENTERS	CTRS
CIRCLE	CIR
CIRCLES	CIRS
CLIFF	CLF
CLIFFS	CLFS
CLUB	CLB
COMMON	CMN
COMMONS	CMNS
CORNER	COR
CORNERS	CORS
COURSE	CRSE
COURT	CT
COURTS	CTS
COVE	CV
COVES	CVS

Code	Description
CREEK	CRK
CRESCENT	CRES
CREST	CRST
CROSSING	XING
CROSSROAD	XRD
CROSSROADS	XRDS
CURVE	CURV
DALE	DL
DAM	DM
DIVIDE	DV
DRIVE	DR
DRIVES	DRS
ESTATE	EST
ESTATES	ESTS
EXPRESSWAY	EXPY
EXTENSION	EXT
EXTENSIONS	EXTS
FALL	FALL
FALLS	FLS
FERRY	FRY
FIELD	FLD
FIELDS	FLDS
FLAT	FLT
FLATS	FLTS
FORD	FRD
FORDS	FRDS
FOREST	FRST
FORGE	FRG
FORGES	FRGS
FORK	FRK
FORKS	FRKS
FORT	FT
FREEWAY	FWY
GARDEN	GDN
GARDENS	GDNS
GATEWAY	GTWY
GLEN	GLN
GLENS	GLNS

Code	Description
GREEN	GRN
GREENS	GRNS
GROVE	GRV
GROVES	GRVS
HARBOR	HBR
HARBORS	HBRs
HAVEN	HVN
HEIGHTS	HTS
HIGHWAY	HWY
HILL	HL
HILLS	HLS
HOLLOW	HOLW
INLET	INLT
ISLAND	IS
ISLANDS	ISS
ISLE	ISLE
JUNCTION	JCT
JUNCTIONS	JCTS
KEY	KY
KEYS	KYS
KNOLL	KNL
KNOLLS	KNLS
LAKE	LK
LAKES	LKS
LAND	LAND
LANDING	LNDG
LANE	LN
LIGHT	LGT
LIGHTS	LGTS
LOAF	LF
LOCK	LCK
LOCKS	LCKS
LODGE	LDG
LOOP	LOOP
MALL	MALL
MANOR	MNR
MANORS	MNRS
MEADOW	MDW

Code	Description
MEADOWS	MDWS
MEWS	MEWS
MILL	ML
MILLS	MLS
MISSION	MSN
MOTORWAY	MTWY
MOUNT	MT
MOUNTAIN	MTN
MOUNTAINS	MTNS
NECK	NCK
ORCHARD	ORCH
OVAL	OVAL
OVERPASS	OPAS
PARK	PARK
PARKS	PARK
PARKWAY	PKWY
PARKWAYS	PKWY
PASS	PASS
PASSAGE	PSGE
PATH	PATH
PIKE	PIKE
PINE	PNE
PINES	PNES
PLACE	PL
PLAIN	PLN
PLAINS	PLNS
PLAZA	PLZ
POINT	PT
POINTS	PTS
PORT	PRT
PORTS	PRTS

Code	Description
PRAIRIE	PR
RADIAL	RADL
RAMP	RAMP
RANCH	RNCH
RAPID	RPD
RAPIDS	RPDS
REST	RST
RIDGE	RDG
RIDGES	RDGS
RIVER	RIV
ROAD	RD
ROADS	RDS
ROUTE	RTE
ROW	ROW
RUE	RUE
RUN	RUN
SHOAL	SHL
SHOALS	SHLS
SHORE	SHR
SHORES	SHRS
SKYWAY	SKWY
SPRING	SPG
SPRINGS	SPGS
SPUR	SPUR
SPURS	SPUR
SQUARE	SQ
SQUARES	SQS
STATION	STA
STRAVENUE	STRA
STREAM	STRM
STREET	ST

Code	Description
STREETS	STS
SUMMIT	SMT
TERRACE	TER
THROUGHWAY	TRWY
TRACE	TRCE
TRACK	TRAK
TRAFFICWAY	TRFY
TRAIL	TRL
TRAILER	TRLR
TUNNEL	TUNL
TURNPIKE	TPKE
UNDERPASS	UPAS
UNION	UN
UNIONS	UNS
VALLEY	VLV
VALLEYS	VLVS
VIADUCT	VIA
VIEW	VW
VIEWS	VWS
VILLAGE	VLG
VILLAGES	VLGS
VILLE	VL
VISTA	VIS
WALK	WALK
WALKS	WALK
WALL	WALL
WAY	WAY
WAYS	WAYS
WELL	WL
WELLS	WLS

DLGF Property Class Code

Code	Description
100	AGRICULTURAL - VACANT LAND
101	AGRICULTURAL - CASH GRAIN/GENERAL FARM
102	AGRICULTURAL - LIVESTOCK OTHER THAN DAIRY OR POULTRY
103	AGRICULTURAL - DAIRY FARM
104	AGRICULTURAL - POULTRY FARM
105	AGRICULTURAL - FRUIT & NUT FARM

Code	Description
106	AGRICULTURAL - VEGETABLE FARM
107	AGRICULTURAL - TOBACCO FARM
108	AGRICULTURAL - NURSERY
109	AGRICULTURAL - GREENHOUSES
110	AGRICULTURAL - HOG FARM
111	AGRICULTURAL - BEEF FARM
120	AGRICULTURAL - TIMBER
141	AGRICULTURAL LAND WITH MOBILE HOME
149	AGRICULTURAL LAND WITH PP MOBILE HOME
198	AGRICULTURAL BUILD LEASE LAND
199	AGRICULTURAL - OTHER AGRICULTURAL USE
200	MINERAL
300	INDUSTRIAL VACANT LAND
309	AS VACANT BUT IS PART OF THE SUPPORT LAND FOR APANROCTEHLECRPAASRSCIFEILED
310	INDUSTRIAL FOOD & DRINK
320	INDUSTRIAL FOUNDRIES & HEAVY MANUFACTURING
330	INDUSTRIAL MEDIUM MANUFACTURING & ASSEMBLY
340	INDUSTRIAL LIGHT MANUFACTURING & ASSEMBLY
345	INDUSTRIAL OFFICE
346	INDUSTRIAL RESEARCH AND DEVELOPMENT FACILITY
350	INDUSTRIAL WAREHOUSE
360	INDUSTRIAL TRUCK TERMINALS
370	INDUSTRIAL SMALL SHOPS
380	INDUSTRIAL MINES AND QUARRIES
385	INDUSTRIAL LANDFILL
390	INDUSTRIAL GRAIN ELEVATORS
398	INDUSTRIAL BUILDING ON LEASED LAND
399	INDUSTRIAL OTHER STRUCTURES
400	COMMERCIAL VACANT LAND
401	COMMERCIAL 4-19 FAMILY APARTMENTS
402	COMMERCIAL 20-39 FAMILY APARTMENTS
403	COMMERCIAL 40 OR MORE FAMILY APARTMENTS
409	COMMERCIAL PARCEL CLASSIFIED AS VACANT BUT IS PART OF THE SUPPORT LAND FOR ANOTHER PARCEL
410	COMMERCIAL MOTELS OR TOURIST CABINS
411	COMMERCIAL HOTELS
412	COMMERCIAL NURSING HOMES & HOSPITALS
415	COMMERCIAL MOBILE HOME PARKS
419	COMMERCIAL OTHER HOUSING
420	COMMERCIAL SMALL RETAIL

Code	Description
421	COMMERCIAL SUPERMARKETS
422	COMMERCIAL DISCOUNT & JUNIOR DEPARTMENT STORES
424	COMMERCIAL FULL LINE DEPARTMENT STORES
425	COMMERCIAL NEIGHBORHOOD SHOPPING CENTER
426	COMMERCIAL COMMUNITY SHOPPING CENTER
427	COMMERCIAL REGIONAL SHOPPING CENTER
428	COMMERCIAL CONVENIENCE MARKET
429	COMMERCIAL OTHER RETAIL STRUCTURES
430	COMMERCIAL RESTAURANT - CAFÉ - OR BAR
431	COMMERCIAL FRANCHISE-TYPE RESTAURANT
435	COMMERCIAL DRIVE-IN RESTAURANT
439	COMMERCIAL OTHER FOOD SERVICE
440	COMMERCIAL DRY CLEAN PLANT OR LAUNDRY
441	COMMERCIAL FUNERAL HOME
442	COMMERCIAL MEDICAL CLINIC OR OFFICES
443	COMMERCIAL DRIVE-UP / WALK-UP BANK ONLY
444	COMMERCIAL FULL SERVICE BANKS
445	COMMERCIAL SAVINGS AND LOANS
447	COMMERCIAL OFFICE BUILDING 1 OR 2 STORY
448	COMMERCIAL OFFICE O/T 47 WALK-UP
449	COMMERCIAL OFFICE O/T 47 ELEVATOR
450	COMMERCIAL CONVENIENCE MARKET WITH GASOLINE SALES
451	COMMERCIAL CONVENIENCE MARKET / FRANCHISE-TYPE RESTAURANT WITH GASOLINE SALES
452	COMMERCIAL AUTO SERVICE STATION
453	COMMERCIAL CAR WASHES
454	COMMERCIAL AUTO SALES & SERVICE
455	COMMERCIAL GARAGE
456	COMMERCIAL PARKING LOT OR STRUCTURE
460	COMMERCIAL THEATERS
461	COMMERCIAL DRIVE-IN THEATERS
462	GOLF RANGE OR MINIATURE COURSE
463	COMMERCIAL GOLF COURSE
464	COMMERCIAL BOWLING ALLEY
465	COMMERCIAL LODGE HALL OR AMUSEMENT PARK
466	COMMERCIAL AMUSEMENT PARK
467	COMMERCIAL HEALTH CLUB
468	COMMERCIAL ICE RINK
469	COMMERCIAL RIVERBOAT GAMING RESORT
480	COMMERCIAL WAREHOUSE
481	COMMERCIAL MINI-WAREHOUSE

Code	Description
482	COMMERCIAL TRUCK TERMINALS
490	COMMERCIAL MARINE SERVICE FACILITY
495	COMMERCIAL MARINA
496	COMMERCIAL MARINA - SMALL BOATS
498	COMMERCIAL BUILDING ON LEASED LAND
499	COMMERCIAL OTHER STRUCTURE
500	RESIDENTIAL VACANT PLATTED LOT
501	RESIDENTIAL VACANT UNPLATTED LAND OF 0-9.99 ACRES
503	RESIDENTIAL VACANT UNPLATTED LAND OF 20-29.99 ACRES
504	RESIDENTIAL VACANT UNPLATTED LAND OF 30-39.99 ACRES
505	RESIDENTIAL VACANT UNPLATTED LAND OF 40 OR MORE ACRES
509	RESIDENTIAL PARCEL CLASSIFIED AS VACANT BUT IS PART OF THE SUPPORT LAND FOR ANOTHER PARCEL
510	RESIDENTIAL ONE FAMILY DWELLING ON A PLATTED LOT
511	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
512	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
513	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
514	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
515	RESIDENTIAL ONE FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
520	RESIDENTIAL TWO FAMILY DWELLING ON A PLATTED LOT
521	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
522	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
523	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
524	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
525	RESIDENTIAL TWO FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
530	RESIDENTIAL THREE FAMILY DWELLING ON A PLATTED LOT
531	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
532	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
533	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
534	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
535	RESIDENTIAL THREE FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
540	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON A PLATTED LOT
541	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
542	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
543	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
544	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES

Code	Description
545	RESIDENTIAL MOBILE/MANUFACTURED HOME FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
550	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON A PLATTED LOT
551	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 0-9.99 ACRES
552	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 10-19.99 ACRES
553	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 20-29.99 ACRES
554	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 30-39.99 ACRES
555	RESIDENTIAL CONDOMINIUM UNIT FAMILY DWELLING ON UNPLATTED LAND OF 40 OR MORE ACRES
556	RESIDENTIAL CONDOMINIUMS
557	RESIDENTIAL CONDOMINIUMS COMMON AREAS
558	RESIDENTIAL CONDOMINIUMS MASTER CARD
591	RESIDENTIAL PP MOBILE HOME (NO PLAT)
598	RESIDENTIAL ON LEASED LAND
599	RESIDENTIAL OTHER STRUCTURES
600	EXEMPT PROPERTY OWNED BY THE UNITED STATES OF AMERICA
610	EXEMPT PROPERTY OWNED BY THE STATE OF INDIANA
620	EXEMPT PROPERTY OWNED BY A COUNTY
621	EXEMPT PROPERTY CERTIFIED FOR TREASURER'S SALE
622	EXEMPT PROPERTY HELD FOR RESALE
630	EXEMPT PROPERTY OWNED BY A TOWNSHIP
640	EXEMPT PROPERTY OWNED BY A MUNICIPALITY
645	EXEMPT PROPERTY OWNED BY A MUNICIPAL HOUSING AUTHORITY
650	EXEMPT PROPERTY OWNED BY A BOARD OF EDUCATION
660	EXEMPT PROPERTY OWNED BY A PARK DISTRICT
661	EXEMPT PROPERTY OWNED BY A CONSERVANCY DISTRICT
662	EXEMPT PROPERTY OWNED BY A SANITARY DISTRICT
665	EXEMPT PROPERTY OWNED BY A PUBLIC LIBRARY
669	OTHER EXEMPT PROPERTY OWNED BY A GOVERNMENTAL UNIT
670	EXEMPT PROPERTY OWNED BY A PRIVATE ACADEMY OR COLLEGE
680	EXEMPT PROPERTY OWNED BY A CHARITABLE ORG THAT IS GRANTED AN EXEMPTION
685	EXEMPT PROPERTY OWNED BY A RELIGIOUS ORG THAT IS GRANTED AN EXEMPTION
686	CHURCH - CHAPEL - MOSQUE - SYNAGOGUE - TABERNACLE - OR TEMPLE THAT IS GRANTED AN EXEMPTION
690	EXEMPT PROPERTY OWNED BY A CEMETERY ORG THAT IS GRANTED AN EXEMPTION
699	OTHER EXEMPT PROPERTY OWNED BY AN ORG THAT IS GRANTED AN EXEMPTION
800	LOCALLY ASSESSED VACANT UTILITY LAND-COMMERCIAL

Code	Description
805	LOCALLY ASSESSED VACANT UTILITY LAND-INDUSTRIAL
810	LOCALLY ASSESSED PROPERTY OWNED BY A BUS COMPANY-COMMERCIAL
811	STATE ASSESSED PROPERTY OWNED BY A BUS COMPANY
815	LOCALLY ASSESSED PROPERTY OWNED BY A BUS COMPANY-INDUSTRIAL
820	LOCALLY ASSESSED PROPERTY OWNED BY A LIGHT - HEAT - OR POWER COMPANY-COMMERCIAL
821	STATE ASSESSED PROPERTY OWNED BY A LIGHT - HEAT - OR POWER COMPANY THAT IS A PART OF ANY ROW
825	LOCALLY ASSESSED PROPERTY OWNED BY A LIGHT - HEAT - OR POWER COMPANY-INDUSTRIAL
830	LOCALLY ASSESSED PROPERTY OWNED BY A PIPELINE COMPANY-COMMERCIAL
831	STATE ASSESSED PROPERTY OWNED BY A PIPELINE COMPANY THAT IS A PART OF ROW
835	LOCALLY ASSESSED PROPERTY OWNED BY A PIPELINE COMPANY-INDUSTRIAL
840	LOCALLY ASSESSED PROPERTY OWNED BY A RAILROAD COMPANY-COMMERCIAL
841	STATE ASSESSED OPERATING PROPERTY OWNED BY A RAILROAD COMPANY
845	LOCALLY ASSESSED PROPERTY OWNED BY A RAILROAD COMPANY-INDUSTRIAL
850	LOCALLY ASSESSED PROPERTY OWNED BY A SEWAGE COMPANY-COMMERCIAL
851	STATE ASSESSED PROPERTY OWNED BY A SEWAGE COMPANY THAT IS A PART OF ANY ROW
855	LOCALLY ASSESSED PROPERTY OWNED BY A SEWAGE COMPANY-INDUSTRIAL
860	LOCALLY ASSESSED PROPERTY OWNED BY A TELEPHONE - TELEGRAPH - OR CABLE COMPANY-COMMERCIAL
861	STATE ASSESSED PROPERTY OWNED BY A TELEPHONE OR CABLE COMPANY THAT IS A PART OF ANY ROW
865	LOCALLY ASSESSED PROPERTY OWNED BY A TELEPHONE - TELEGRAPH - OR CABLE COMPANY-INDUSTRIAL
870	LOCALLY ASSESSED PROPERTY OWNED BY A WATER DISTRIBUTION COMPANY-COMMERCIAL
871	STATE ASSESSED PROPERTY OWNED BY A WATER COMPANY THAT CONSTITUTES A PART OF ANY ROW OF THE SYSTEM
875	LOCALLY ASSESSED PROPERTY OWNED BY A WATER DISTRIBUTION COMPANY-INDUSTRIAL

County FIPS & County ID

Name	FIPS	ID
Adams	18001	1
Allen	18003	2
Bartholomew	18005	3
Benton	18007	4
Blackford	18009	5
Boone	18011	6

Name	FIPS	ID
Brown	18013	7
Carroll	18015	8
Cass	18017	9
Clark	18019	10
Clay	18021	11
Clinton	18023	12

Name	FIPS	ID
Crawford	18025	13
Daviess	18027	14
Dearborn	18029	15
Decatur	18031	16
Dekalb	18033	17
Delaware	18035	18

Name	FIPS	ID
Dubois	18037	19
Elkhart	18039	20
Fayette	18041	21
Floyd	18043	22
Fountain	18045	23
Franklin	18047	24
Fulton	18049	25
Gibson	18051	26
Grant	18053	27
Greene	18055	28
Hamilton	18057	29
Hancock	18059	30
Harrison	18061	31
Hendricks	18063	32
Henry	18065	33
Howard	18067	34
Huntington	18069	35
Jackson	18071	36
Jasper	18073	37
Jay	18075	38
Jefferson	18077	39
Jennings	18079	40
Johnson	18081	41
Knox	18083	42
Kosciusko	18085	43

Name	FIPS	ID
Lagrange	18087	44
Lake	18089	45
LaPorte	18091	46
Lawrence	18093	47
Madison	18095	48
Marion	18097	49
Marshall	18099	50
Martin	18101	51
Miami	18103	52
Monroe	18105	53
Montgomery	18107	54
Morgan	18109	55
Newton	18111	56
Noble	18113	57
Ohio	18115	58
Orange	18117	59
Owen	18119	60
Parke	18121	61
Perry	18123	62
Pike	18125	63
Porter	18127	64
Posey	18129	65
Pulaski	18131	66
Putnam	18133	67
Randolph	18135	68

Name	FIPS	ID
Ripley	18137	69
Rush	18139	70
Scott	18143	72
Shelby	18145	73
Spencer	18147	74
St Joseph	18141	71
Starke	18149	75
Steuben	18151	76
Sullivan	18153	77
Switzerland	18155	78
Tippecanoe	18157	79
Tipton	18159	80
Union	18161	81
Vanderburgh	18163	82
Vermillion	18165	83
Vigo	18167	84
Wabash	18169	85
Warren	18171	86
Warrick	18173	87
Washington	18175	88
Wayne	18177	89
Wells	18179	90
White	18181	91
Whitley	18183	92

Appendix F – Matching Tiger Streets

As mentioned above, the process of matching the county or contractor-provided street centerline to a Tiger address range feature (“Tiger road”) is not perfect. Before using the TIGER_* attributes, it is important to understand how the Tiger road information was assigned to the street centerline in order to assess the limitations of the data given a specific use case.

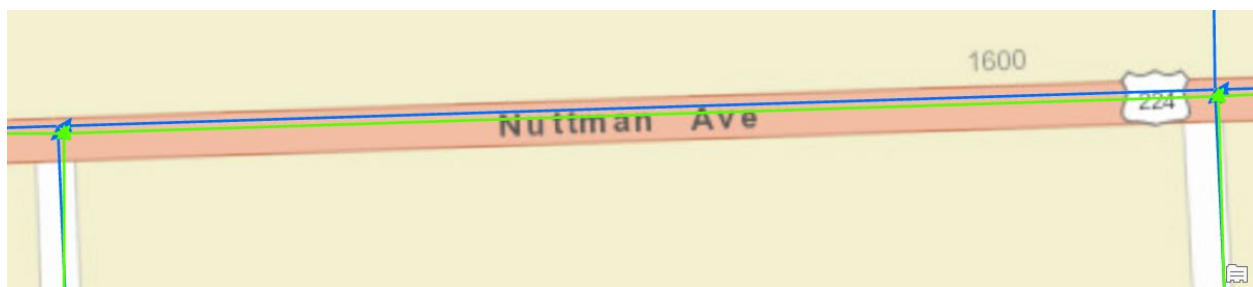
In general, the following steps were followed to match the Tiger data to the street centerlines:

1. A numeric Direction field was added to all street centerlines and Tiger roads. This value calculates the orientation, in degrees, of the line by only considering its start and end points. The following Python-based equation was used:
$$180 + \text{math.atan2}((\text{!Shape.lastpoint.Y!} - \text{!Shape.firstpoint.Y!}), (\text{!Shape.lastpoint.X!} - \text{!Shape.firstpoint.X!})) * (180 / \text{math.pi})$$
2. The Tiger road segments were spatially joined to the street centerlines using a 50’ buffer around the street centerline’s midpoint.
3. For each street centerline segment:
 - a. The joined dataset was queried to find the first instance of an intersecting Tiger road with a FULLNAME value that includes the ADDRESS_NAME of the street centerline.
 - b. The LINEARID, TLID, FULNAME, and MTFCC attributes were transferred from the Tiger road to the street centerline.
 - c. The Tiger road’s direction was compared to the street centerline’s direction. If the angle difference between the two was less than 30, the address ranges and zip codes were transferred from the Tiger road to the street centerline. If the angle was greater than 30, the left/right address ranges and zip codes were flipped (left to right and right to left) then assigned to the street centerline

Below are some examples to illustrate these steps.

Example 1

Nuttman Avenue in Decatur (Adams County) is at times also named US HWY 224. The county data has an ADDRESS_NAME of “NUTTMAN”. Three Tiger roads (in green) with the exact same geometry match this street centerline segment (in blue). Only the first Tiger road record with a FULLNAME attribute that includes “NUTTMAN” was used to transfer attributes. Notice that both lines were digitized in the same direction (east to west).



Tiger attributes:

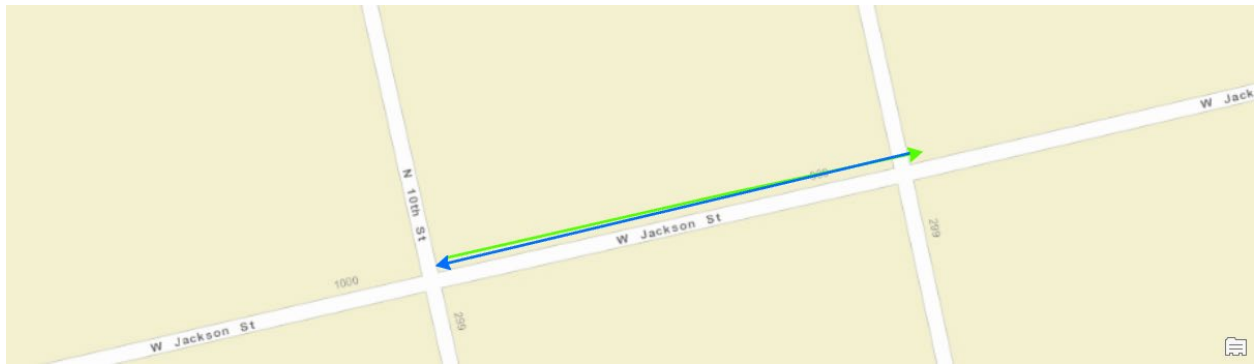
TLID	LINEARID	FULLNAME	LFROMHN	LTOHN	RFROMHN	RTOHN	ZIPL	ZIPR	ROAD_MTFCC
6483576	11060215683	Nuttman Ave	1601	1629			46733		S1200
6483576	11060215683	Nuttman Ave	1631	1699			46733		S1200
6483576	1106087287787	US Hwy 224	1631	1699			46733		S1200

Street centerline attributes:

FULL_STREET_NAME	TIGER_LINEARID	TIGER_TLID	TIGER_FULLNAME	TIGER_LFROMHN	TIGER_LTOHN	TIGER_RFROMHN	TIGER_RTOHN	TIGER_ROAD_MTFCC	TIGER_ZIPL	TIGER_ZIPR
NUTTMAN AVE	11060215683	6483576	Nuttman Ave	1601	1629	<Null>	<Null>	S1200	46733	<Null>

Example 2

W Jackson St in Decatur (Adams County) has just one corresponding Tiger road. However, the Tiger road (in green) was digitized west to east while the street centerline (in blue) was digitized east to west. The Tiger address ranges and ZIP codes were flipped when assigned to the street centerline.



Tiger attributes:

TLID	LINEARID	FULLNAME	LFROMHN	LTOHN	RFROMHN	RTOHN	ZIPL	ZIPR
6483611	11060215656	W Jackson St	998	900			46733	

Street centerline attributes:

FULL_STREET_NAME	TIGER_LINEARID	TIGER_TLID	TIGER_FULLNAME	TIGER_LFROMHN	TIGER_LTOHN	TIGER_RFROMHN	TIGER_RTOHN	TIGER_ROAD_MTFCC	TIGER_ZIPL	TIGER_ZIPR
W JACKSON ST	11060215656	6483611	W Jackson St	900	998	<Null>	<Null>	S1400	<Null>	46733