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Document Control Panel –Data Dictionary

Document Control Panel				
Version No	**Author**	**Reviewer**	**Date**	**Modifications**
1.0	Isaac Oti	Michael Lodes, PE	06/08/2022	First Draft
2.0	Isaac Oti	Michael Lodes, PE	09/09/2022	**Preliminary pages and General Inventory Items**: Changed Frangible and Non-Frangible Pole name. Included PR and CS related fields, and PMC Inspection Tracking field **Culvert Less than 10-Foot Span:** Included Clay Material field **Retaining Wall**: Included PR and CS related fields **Cantilever and Truss Structure**: Included License Plate Reader field and made changes to Inspection Frequency field to reflect frequencies for sign structures and cantilever structures **Spun Concrete Pole**: None **Embedded Pole and Steel Strain Pole**: Made changes to inspection frequency fields to reflect different frequencies for wood and steel **Noise Wall**: Added the following fields: Old Wall ID, Masonry Wall Type, Other attachments, and PR and CR related fields. Included SheetPile and SeaWall to panel Material options **Mast Arm**: None **Dynamic Message Sign (DMS) Support Structure**: Made Changes to Inspection Frequencies, added License Plate Reader field, and ITS asset management database fields **Frangible and Non-Frangible Pole Structure**: Changed asset name. Included ITS asset management database fields. **High-Mast Lighting Tower (HMLT)**: None **Communication Tower**: Added attachment fields. Included tower inspection type fields and made changes to inspection frequency field to reflect different frequencies for different inspection types. **Environmental Sensor Station (ESS) Tower**: Included text on lowering boom, hinge and lock washer related fields, and ITS asset management database fields. Included tower inspection type fields and made changes to inspection frequency field to reflect different frequencies for different inspection types. **QA, QC, RFA, Work Rec**: Included MDOT Region & TSC region fields to RFA and Work Rec. Added work recommendations specific to noise wall T-type and H-type.
3.0	Isaac Oti	Michael Lodes, PE	01/05/2023	**Culvert Less than 10-Foot Span:** Added None to Scour Protection Type domain and listed all options. Also added Storm Sewer as an option for structure type **Multiple:** Included Corby and Spicer to Inspection Company domain **Retaining Wall:** Added new dropdown options to retaining wall inventory **Cantilever and Truss Structures:** Included three options for Sign Support Type **Multiple:** Added Manufacturer and fabrication date
	Michael Lodes, PE		3/28/2023	**Noise Walls:** Added N/A to Post Material inventory domain **Multiple:** Added None to Access Requirements
4.0	Dennis Quinlan		9/5/2023	**Multiple:** Added Bracket, Arm and Miscellaneous Arm, Bracket, and Attachment Element inspection attributes **General Inventory Items Shared Across All Ancillary Structure Types:** Structure number string and character storage

MDOT Ancillary Structures Data Dictionary

This document contains inventory tables and inspection tables for the following structures:

i. **Culvert Less than 10-foot Span**

A linear drainage conduit(s) that has a combined span of less than 10 feet measured along the centerline of the roadway. The conduit is 12 inches in diameter or greater. Culverts are differentiated from storm sewers in that they are straight-line conduits open at each end and typically do not include intermediate drainage structures (manholes, catch basins etc.).

ii. Retaining Wall
Highway earth retaining structures with heights of 4 feet or greater and the angle of face inclination greater than 70 degrees from horizontal. Retaining walls join end to a soil and the other end to either soil, a bridge abutment, or other structure(s).

iii. Cantilever Structure
A cantilever structure consists of a rigid structural element extending above the roadway and is supported at only one end. Cantilever structures are structural supports for traffic signs including static signs, dynamic message signs (i.e., DMS), lighting, signals and other traffic-related appurtenances. Cantilever sign structures are comprised of steel horizontal members which support the appurtenance noted above, steel vertical members which support the horizontal members from the foundations and the concrete foundation.

iv. Truss Structure
A truss structure consists of a rigid structural element spanning across the roadway with supporting columns at both ends. Truss structures are structural supports for traffic signs including static signs, small dynamic message signs (i.e., DMS), lighting, signals and other traffic-related appurtenances. Truss sign structures are comprised of steel horizontal members which support the appurtenances noted above, steel vertical members which support the horizontal members from the foundations, and the concrete foundations.

v. Spun Concrete Pole
Spun concrete poles are high mast prestressed precast concrete poles used to support ITS infrastructure such as cameras and radar detectors. They do not have standard concrete foundations and are embedded in soil and sometimes with the addition of a cast in place concrete skirt.

vi. **Embedded Pole**
Embedded poles are used to support span wires, signals, lighting, cameras, or other appurtenances. They are constructed in a box span, diagonal span, or other type of configuration. Embedded poles are typically constructed of timber and may be constructed of round or multi-sided steel cross-sections. The poles are directly embedded in soil or cast in place concrete. The embedment material may be covered with concrete, bituminous, or masonry materials. New embedded poles with round or multi-sided steel cross-sections are no longer being installed.

vii. Steel Strain Pole
Steel strain poles are span wire structures supporting signals, lighting, cameras, or other appurtenances. They may be constructed in a box span, diagonal span, or other type of configuration. The poles may be round or multi-sided and are supported on a drilled shaft concrete foundation. Steel strain poles are distinguished from embedded steel poles by use of anchor bolts to transfer load from the pole to the concrete foundation.

viii. Noise Wall
Noise walls are constructed of steel, concrete, timber, and other materials to provide traffic noise abatement to property near or adjacent to the road right-of-way.

ix. Mast Arm
Mast Arms are steel pole structures with one or more horizontal mast arms used to support signals, luminaries, signs, cameras and other appurtenances. The steel pole is supported on a drilled shaft concrete foundation with anchor bolts.

x. Dynamic Message Sign (DMS) Support Structure
DMS support structures consist of a single vertical support with horizontal arms supporting electronic signs and access walkways. They are galvanized steel structures mounted on a concrete foundation with anchor bolts.

xi. **Frangible Pole Structure**
The frangible light structure is a steel or aluminum pole mounted onto a cast aluminum transformer base, which is mounted to a concrete foundation. The frangible transformer base is designed to break away at impact for safety of motorists. Due to the breakaway performance frangible pole structures may be used within the roadway clear zone.

xii. Non-Frangible Pole Structure
The non-frangible light structure is a steel or aluminum pole mounted directly on a concrete foundation with anchor bolts. Since non-frangible pole standards are not breakaway structures, they are used outside of roadway clear zones or are shielded. They are mounted on foundations that may be constructed integral to barrier walls or protected by guardrail.

xiii. High-Mast Lighting Tower (HMLT)
HMLT are light poles mounted on a concrete foundation with anchor bolts and a lighting array containing multiple luminaires. The poles may be constructed of galvanized or weathering steel and may be round or multi-sided. The poles are typically constructed from multiple pieces joined together with slip joints. The lighting array is mounted with a lowering device contained within the pole to allow for the array to be lowered for luminaire maintenance.

xiv. Communication Tower
Communication towers support ITS infrastructure and communication antennae and consist of three main vertical supports (legs), each mounted on a separate concrete foundation with anchor bolts. The vertical supports have lattice members connected to each other with diagonal bracing at lower elevations and combining into a single vertical lattice member at higher elevations.

xv. Environmental Sensor Station (ESS) Tower
ESS Towers refer to single vertical supports of built-up steel and aluminum members supported on a concrete foundation with anchor bolts. They are three or four leg lattice structures and jointed to allow the structure to be lowered for maintenance. They are used to support a variety of sensory attachments.

Note: The tables of Embedded Pole and Steel Strain Pole are combined because majority of the attributes for both structures are the same and a combined table reduces redundancy in maintenance of the datasets and GIS layers. Tables of Frangible Pole Structure and Non-Frangible Pole Structure are combined for the same reason as explained above. The combined tables are configured to ensure fields not applicable to either of the structures are not visible during inspection.

Naming Conventions

Each asset is assigned a consecutive Structure Number. The Structure Number of each ancillary asset type is independent of other types and will have a prefix.

Asset Type Prefixes:
Prefixes are individually determined based on the structure type.

Proposed Prefixes for ancillary structures
- Culverts less than 10-Foot Span = CULV
- Retaining Walls = RW
- Cantilever Structure and Truss Structures = SS
- Spun Concrete Poles = SCP
- Embedded Poles =EP
- Steel Strain Poles = SSP
- Noise Walls = NW
- Mast Arms = MA
- DMS Support Structure = DSS
- Frangible Pole Structure = FPS
- Non-Frangible Pole Structure = NFPS
- High-Mast Lighting Towers = HMLT
- Communication Tower = CT
- Environmental Sensor Station Tower = ESST

Structure Number Examples:
- SCP-000001
- EP-004801
- SSP -000025
- NW-000001
- MA-000001
- DSS-000001
- FPS-004801
- NFLS -000025
- HMLT-000001
- CT-000021
- ESST-000001

Proposed Name Convention for remaining ancillary structures
- Spun Concrete Poles = strc_num + location
- Embedded Poles, including Wood Poles = strc_num + sppt_matl_type_cd + location
- Steel Strain Poles = strc_num + location
- Noise Walls = NW = strc_num + panel_mat_cd + location
- Mast Arms = MA = strc_num + arm_type_cd + location
- Dynamic Message Sign (DMS) Support Structure = strc_num + location

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- Frangible Pole Structure = strc_num + sppt_matl_type_cd + location
- Non-Frangible Pole Structure = strc_num + sppt_matl_type_cd + location
- High-Mast Lighting Tower = strc_num + location
- Communication Tower = strc_num + sppt_type_cd + location
- Environmental Sensor Station (ESS) Tower = strc_num + location

General Inventory Items Shared Across All Ancillary Structure Types

These fields and dropdown options are common to all ancillary structures and will be part of the inventory of each ancillary structure

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Comment on options	How to populate	Note
GlobalID	GlobalID	38	Unique Global Asset ID (auto generated)	GlobalID				Auto	
strc_num	Text	256	Number uniquely identifies the structure and is a fixed ID within the AS program	Structure Number				Auto	
strc_num_seq	Integer	4	Structure number sequence is the numeric component of strc_num. It will be calculated in a background, scripted process and concatenated with the prefix of the Ancillary Structure to create the strc_num field	Structure Number Sequence				Auto	
serv_stat_cd	Integer	4	Service status of the asset. Options consist of Abandoned, Active, Proposed, Removed	Service Status	serv_stat_cdtb	1. Abandoned 2. Active 3. Proposed 4. Removed	Same options used for priority 1 assets are used	Pre-populate, Inspector Verify	
next_insp_freq	Single	4	Inspection frequency in months	Next Inspection Frequency				Auto-populated from Inspection	
insp_grp_cd	Integer	4	Inspection group assigned to inspect the structure. Coded-value where first four characters indicates the Inspection Company, and the second four characters indicates the group.	Inspection Group			Same options as priority 1 assets	Pre-populate, Inspector Verify	
next_insp_date	Date	8	Calculated field indicating the date of the next anticipated inspection based on date of previous inspection and the next_insp_freq value. (antcp_insp_date = last_insp_date + next_insp_freq)	Anticipated Inspection Date				Auto	
crewhrs	Double	8	Number of crew hours required for a regular inspection for the structure. This field is intended for staff and budget planning purposes. This value will initially be left blank and populated after a sufficient number of representative inspections have been completed.	Crew Hours				Office-populated	
flaggerhrs	Double	8	Number of flagger hours required for a regular inspection for the structure. This field is intended for staff and budget planning purposes. This value will initially be left blank and populated after a sufficient number of representative inspections have been completed.	Flagger Hours				Office-populated	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Comment on options	How to populate	Note
adt	Integer	4	Average Daily Traffic (ADT) is an estimated mean daily traffic volume.	ADT					
cadt	Integer	4	Commercial Average Daily Traffic (CADT) is an estimated mean commercial daily traffic volume.	CADT					
aadt	Integer	4	Annual Average Daily Traffic (AADT) is an estimated mean daily traffic volume.	AADT				Office-populated	
nfc_cd	Integer	4	Functional classification of the roadway	Functional Classification	nfc_cdtb	1. Interstates 2. Other Freeways 3. Other Principal Arterials 4. Minor Arterials 5. Major Collectors 6. Minor Collectors 7. Local 0. Not a certified public road		Office-populated	
aadt_yr	Integer	4	Year of the AADT data.	AADT Year				Auto	
owner_cd	Integer	4	NBI Item 22 - Owner --2 digits--The actual names--of the owners--of the structure shall be recorded on the inspection form. The codes used in Item 21 - Maintenance Responsibility (custodian_cd) shall be used to represent the type of agency that is the primary owner of the structure. If more than one agency has equal ownership, code one agency in the hierarchy of State, Federal, county, city, railroad, and other private.	Structure Owner Type	owner_cdtb	1. State Highway Agency 2. County Highway Agency 3. Town or Township Highway Agency 77. Private Owner etc.	Same options used for priority 1 are used. Only few options are shown in column - Drop-down options	Office-populated	
owner_name_cd	Integer	4	Name of structure owner	Structure Owner Name	owner_name_cdtb	1. MDOT 99. Other	Same options used for priority 1 assets are used	Pre-populated	
custodian_cd	Integer	4	NBI Item 21 - Maintenance Responsibility -2 digits-The actual names-of the agencies responsible for the maintenance of the structure shall be recorded on the inspection form.	Structure Maintainer Type	owner_cdtb	1. State Highway Agency 2. County Highway Agency 3. Town or Township Highway Agency 4.Private etc.	Same options used for priority 1 are used. Only few options are shown in column -	Office-populated	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Comment on options	How to populate	Note
							Drop-down options		
custodian_name_cd	Integer	4	Name of entity responsible for maintaining structure.	Structure Maintainer Name	owner_name_cdtb	1. MDOT 99. Other	Same options used for priority 1 assets are used	Pre-populated	
acs_cd	Integer	4	Indicates if any special equipment or consideration is needed to access the asset for inspection. If more than one, include most restrictive option in the field and describe additional needs in the Access Requirements Note field.	Access Requirements	acs_cdtb	1. Secure fencing 2. Keyed gate 3. Access to Railroad Right-of-way 4. Access to Private Right-of-way 5. Access to Public Right-of-way 99. Other 100. None	Same options used for priority 1 assets are used	Pre-populate, Inspector Verify	
acs_note	String	1000	Notes regarding special equipment or consideration needed to access the asset for inspection.	Access Requirements Note				Pre-populate, Inspector Verify	
trfc_ctrl_cd	Integer	4	Type of traffic control required to inspect the asset	Traffic Control Needs	trfc_ctrl_cdtb	1. Shoulder closure 2. Single lane closure 3. Full road closure 99. Other 100. None	Same options used for priority 1 assets are used	Pre-populate, Inspector Verify	
trfc_ctrl_note	String	1000	General notes about traffic control	Traffic Control Notes				Pre-populate, Inspector Verify	
rail_coord_cd	Integer	4	Yes/No code indicating whether or not railroad coordination is required to perform asset inspection or field verification.	Railroad Coordination Required?	Yes_no			Pre-populate, Inspector Verify	
rail_name_cd	Integer	4	Name of railroad if coordination is required.	Railroad Name	rail_name_cdtb	1. Canadian National Railway 2. Lake Superior & Ishpeming Rail 3. Lake State Railway etc.	Same options used for priority 1 are used. Only few options are shown in	Pre-populate, Inspector Verify	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Comment on options	How to populate	Note
							column - Drop-down options		
rail_phne_num_cd	Integer	10	Phone number of railroad contact if coordination is required.	Railroad Phone Number				Pre-populate, Inspector Verify	
yearbuilt	Integer	4	Year Built --4 digits--Record and code the year of construction of the structure. Code all 4 digits of the year in which construction of the structure was completed. If the year built is unknown, provide a best estimate. See also Item 106 - Year Reconstructed. Construction completed examples: EXAMPLE: 1956 Code: 1956. EXAMPLE: 1892 Code: 1892.	Year Built				Office-populated	
note	String	3999	General notes	Notes				Office-populated	
prmy_xstr	String	100	Nearest cross street.	Nearest Cross Street				Pre-populate, Inspector Verify	
location	String	250	This item contains a narrative description of the structure location. It is recommended that the location be keyed to a distinguishable feature on an official highway department map such as road junctions and topographical features. This item shall be left justified without trailing zeros. If the distance of the structure location to the distinguishable feature is more than half a mile, include distance to feature in nearest 0.5 mile increments in the location description, Otherwise, do not include the distance to the structure location. Example with distance more than half a mile: I-94WB @ 0.5 west of Partello Rd. Example with distance less than half a mile: I-94WB west of Partello Rd.	Location Description				Office populated, Inspector Verify	
legal_cd	Integer	4	MDOT Legal system. 1=MDOT, 2=County Primary, 3=County Local, 4=City Major, 5=City Minor, 6=Other	MDOT Legal System				Auto	
mainrt_cd	Integer	4	Coded value for the main route associated with the structure	Main Route	mainrt_cdtb	1. I-69 2. I-75 3. I-94 etc.	Same options used for priority 1 are used. Only few options are shown in column - Drop-down options	Auto	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Comment on options	How to populate	Note
nrst_rte_drtn_cd	Integer	4	Direction (N, S, E, W) of the route nearest to the structure. This might be but does not need to be the same as the route direction(s) that the structure serves.	Route Travel Direction	nrst_rte_drtn_cdtb	1. NB 2. SB 3. WB 4. EB	Same options used for priority 1 assets are used	Pre-populate, Inspector Verify	
rt_rltv_loc_cd	Integer	4	Describes the location of the ancillary structure relative to the route.	Route Location Relative to Pavement	rt_rltv_loc_cdtb	1. Right Shoulder, Unprotected 2. Left Shoulder/Median, Unprotected 3. Right Shoulder, Protected etc.	Same options used for priority 1 are used. Only few options are shown in column - Drop-down options	Inspector-populated	
strc_ofst_rte_ctrln	Double	8	Lateral offset of asset from edge of travel lane	Lateral Offset from Route				Pre-populate, Inspector Verify	No procedure for measuring. Will populate from GIS. Would require a lane closure rather than a shoulder closure.
Rt_mile_mrkr	Double	8	Route Mile Marker	Route Mile Marker				Auto	
PrimaryStreet	String	100	The street name associated with the Physical Road ID Number.	Primary Street				Auto	
pr	String	14	A Physical Road ID Number is a part of a common linear referencing system used statewide to uniquely identify any point or section of roadway within Michigan's transportation network. The PR is a unique value given to a section of roadway, this can then be followed by an exact mile point in order to pinpoint a location or a beginning mile point (BMP) and ending mile point (EMP) can be listed to identify a section of roadway	Physical Road ID Number				Auto	
cs	String	5	A Control Section is a number assigned to a section of state trunkline that includes the mainline segments as well as any ramps or other facilities associated with that section. The first two digits represent the county in which the control section is located. The asset CS is determined based on the PR and PR MP.	CS Control Section				Auto	
cs_branch_cd	String	2	CS Branch identifies the function of the Control Section Feature.	CS Branch				Auto	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Comment on options	How to populate	Note
			01 – 09 Forward CS mainline 11 – 20 Reverse CS mainline 51 Cutoff, connector, or remainders Prefix the UNID with N (e.g. N01A) 52 MDOT Construction Remainders (Reassigned to another branch) 53 Jurisdictional Transfer Remainders (Reassigned to another branch) 54 Segments on trunkline roundabouts between local roads UNID will be the roundabout ID followed by a letter (e.g. 001A) 58 Roadside parks and non-limited access rest areas and weigh stations Prefix the UNID with R (rest area) or W (weigh station) followed by the Park/Stetion number and A-Z (e.g. R01A or W01A) 59 At-grade non-limited access ramps Prefix the UNID with N (e.g. N01A) 61/62 Forward/reverse service drives 63/64 Forward/reverse service drives 65/66 Forward/reverse collector-distributors Where a MALI ramp ID is not assigned to branch 61 to 66, a UNID with a prefix 9, ramp number, and endings of Y/Z are assigned for the pair (e.g. 901Y/901Z) 71 Boulevard directional turnarounds with a UNID prefix of C (C001) 72 Limited access freeway crossovers with a UNID prefix of C (C002) 73 Overpass turnarounds with a UNID prefix of C (C003) 82 Non-mainline trunkline segments at the beginning or end of a CS (Reassigned to another branch) 83 Unusual non-Sufficiency rated CS mainline segments (Reassigned to another branch) 96 MDOT maintenance garage 97 Weigh stations 98 Rest areas and limited access welcome centers 99 Limited access ramps						
cs_lrmkey	String	11	CS LRM Key is a concatenation of CS and CS Branch and uniquely identifies a roadway segment on the Control Section network	CS LRM Key				Auto	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Comment on options	How to populate	Note
placecode_cd	Integer	4	NBI Item 4 - Place Code --5 digits--Cities, towns, townships, villages, and other census-designated places shall be identified using the Federal Information Processing Standards--FIPS--codes given in the current version of the Census of Population and Housing -Geographic Identification Code Scheme. If there is no FIPS place code, then code all zeros.	City	placecode_cdtb	200. Acme Township 240. Ada Township 280. Adams Township etc.	Same options used for priority 1 are used. Only few options are shown in column - Drop-down options	Auto	
mdot_regn_cd	Integer	4	MDOT Region from 1 to 7	MDOT Region	mdot_regn_cdtb	1. Superior 2. North 3. Grand etc.	Same options used for priority 1 are used. Only few options are shown in column - Drop-down options	Auto	
mdotcnty_cd	Integer	4	MDOT county number- from 1 to 83	MDOT County	mdotcnty_cdtb	1. Alcona 2. Alger 3. Allegan etc.	Same options used for priority 1 are used. Only few options are shown in column - Drop-down options	Pre-populate, Inspector Verify	
grg_cd	Integer	4	MDOT garage whose jurisdiction the asset resides.	1. Garage	mdot_grg_cdtb	1.Alcona CRC 2. Alger CRC 3. Alpena CRC	See mdot_grg_cdtb for complete options	Integer	
mdot_tsc_cd	Integer	4	MDOT Transportation Service Center	TSC	mdot_tsc_cdtb	1. Alpena 19. Marshall 28. Huron etc.	Same options used for priority 1 are used. Only few options are shown in column -	Pre-populate, Inspector Verify	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Comment on options	How to populate	Note
							Drop-down options		
lat_lon_src_cd	Integer	4	Source of the latitude and longitude	Lat Long Source		1. Pre-populated from data received 2. Inspector-populated		Pre-populate, Inspector Verify	
invt_field_vrfy_date	Date	8	Date the asset inventory was verified in the field	Field Verification Date				Inspector-populated	
invt_field_vrfy_user_cd	String	255	User who verified the asset inventory in the field	Inventory Field Verification User				Inspector-populated	
invt_field_vrfy_cmpy_cd	Integer	4	Name of company performing asset inventory field verification.	Field Verification Company	insp_cmpy_cdtb			Pre-populate, Inspector Verify	
invt_field_comm	String	1000	General comment entered during asset inventory field verification	Field Verification Comments				Inspector-populated	
cret_uid	String	255	User who created the asset inventory record in the database.	cret_uid				Inspector-populated	
cret_tmsp	Date	8	Date the asset record was created asset inventory record in the database.	cret_tmsp				Inspector-populated	
updt_uid	String	255	The user who last edited the asset inventory record.	updt_uid				Inspector-populated	
updt_tmsp	Date	8	Date the asset inventory record was last edited.	updt_tmsp				Inspector-populated	
last_insp_date	Date	8	Calculated from inspection table. Date the most recent inspection record was created.	Last Inspection Date				Auto	
last_insp_user_cd	String	255	Calculated from inspection table. The user who created the most recent inspection record.	Last Inspected By User				Auto	
last_cpnt_rating_cd	Integer	4	Calculated from inspection table. Component rating from the most recent inspection (after QC/QA is complete). If structure has multiple components, worst rating shown here.	Last Component Rating	cpnt_rating_cdtb			Auto	
last_insp_qc_stat_cd	Integer	4	Calculated from inspection table to better symbolize. QC status of the most recent inspection	Last Inspection QC Status	insp_qc_stat_cdtb			Auto	
last_insp_qa_stat_cd	Integer	4	Calculated from inspection table to better symbolize. QA status of the most recent inspection	Last Inspection QA Status	insp_qc_stat_cdtb			Auto	
num_work_rec_open	Integer	4	Number of work recs with Open or Assigned status. Calculated from Work Rec table.	Number of Open Work Recs				Auto	
pmc_tracking_yr	String	50	A 4-digit number indicating the year that the PMC is programmed to inspect the asset	PMC Inspection Tracking Year				Auto	

Culvert Less Than 10-Foot Span

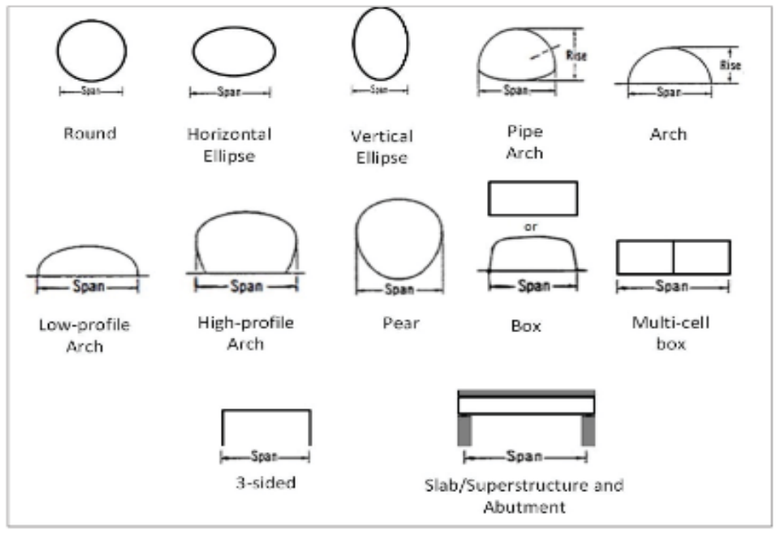
TableName: Culvert_Inventory

DatasetType: PolylineUpdated
Table Description: Culvert Inventory only
AliasName: Culvert Less Than 10-Foot Span

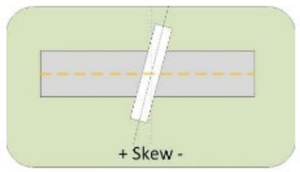
Note: Culvert inventory feature class is the TAMS Culvert feature class. Ancillary Structures program will be using this feature class for data collection during 2021 inspection season. The following table retains all of the original TAMS culvert fields and adds new fields specific to the Ancillary Structures program (see Source column). Some of the original TAMS Culvert fields will be hidden for the Ancillary Structures program (see Visibility column).

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Ancillary Structure Type	Structure Type	strc_type_cdtb	Culvert Less than 10-Foot Span Storm Sewer	Pre-populate, Inspector Verify	Added per Data Discovery meetings fall 2020
CulvertMaterial	String	50	Rename field to culv_matl_type_cd after 2021 inspection season to align with DTMB naming standards. This field includes the following high-level categories of culvert materials: • Masonry • Aluminum • Steel • Metal • Polyethylene • Polypropylene • PVC • Plastic • Concrete • Fiberglass • Timber • Clay • Other The intention of this field is to align with 7/21/2021 version of TAMC guide, with a combination of CulvertMaterial and culv_dsgn_type_cd fields.	Culvert Type/Material	CulvertMaterial	Masonry Aluminum Steel Metal Polyethylene Polypropylene PVC Plastic Concrete Fiberglass Timber Clay Other	Inspector	
Culv_dsgn_type_cd	String	50	Culvert Design Type indicates additional detail about the culvert barrel including the following options: • Corrugated • Non-corrugated • Reinforced Concrete • Nonreinforced Concrete • Prestressed Concrete • Post-Tensioned Concrete	Culvert Design Type	culv_dsgn_type_cdtb	Corrugated Non-corrugated Reinforced Concrete Nonreinforced Concrete Prestressed Concrete Post-Tensioned Concrete		
strucname	String	50	Structure Name consists of concatenation of strc_num + CulverMaterial+ location	Structure Name			Auto	Added per Data Discovery meetings fall 2020
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset.	PR Milepoint			Auto	

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
cs_mp	Integer	4	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Control Section			Auto	
precise_lat_barrel_start	Double	8	To be calculated from line. Precise latitude value in DDDDDD.dddd format of the start of the culvert barrel.	Start Latitude			Auto	Added per Data Discovery meetings fall 2020. Formatted for alignment with Bridge/BrM database.
precise_lon_barrel_start	Double	8	To be calculated from line. Precise longitude value in DDDDDD.dddd format of the start of the culvert barrel.	Start Longitude			Auto	Added per Data Discovery meetings fall 2020. Formatted for alignment with Bridge/BrM database.
precise_lat_barrel_end	Double	8	To be calculated from line. Precise latitude value in DDDDDD.dddd format of the end of the culvert barrel.	End Latitude			Auto	Added per Data Discovery meetings fall 2020. Formatted for alignment with Bridge/BrM database.
precise_lon_barrel_end	Double	8	To be calculated from line. Precise longitude value in DDDDDD.dddd format of the end of the culvert barrel.	End Longitude			Auto	Added per Data Discovery meetings fall 2020. Formatted for alignment with Bridge/BrM database.
Beneath	String	4	TAMS: Type of facility the culvert is located beneath.	Beneath	Beneath	Mainline Ramp Service Drive Berm Local Road Driveway Railroad Pedestrian Walkway Other		
Comments	String	4000	TAMS: General comments about the asset. Will be renamed to "note" when imported to BrM	Notes				
ConditionIndex	Integer	4	TAMS: This field is a historical field containing the culvert condition ratings prior to Ancillary Structures program.	Condition Index	cpnt_rating_cdtb	Failed Imminent Failure Critical Severe Poor		
CulvertGroupID	String	255	TAMS: Historical field used before Ancillary Structures program. Smart-Key 2 digit county, 3 digit route, 2 digit sequential.	CulvertGroupID				

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
CulvertHeight	Double	8	TAMS: Height of the culvert in inches. This field is called Rise in TAMC	Culvert Height (inch)				
CulvertID	String	255	TAMS: Unique Global ID (auto generated for the culvert end)	CulvertID				
CulvertShape	Integer	4	Shape of the culvert barrel. This list aligns with TAMC as of 7/30/2021 and includes: o Round (Circular in TAMS) o Horizontal ellipse (Horizontal Elliptical in TAMS) o Vertical ellipse (Vertical Elliptical in TAMS) o Pipe arch o Arch (Arch in TAMS) o Low-profile arch o High-profile arch o Pear o Box (Box in TAMS) o Multi-cell box o Three-sided (3-Sided (Footings) in TAMS) o Slab/superstructure and abutment o Other (user can add custom sub-type) See image from TAMC  *Figure 1* Culvert shapes	Culvert Shape	CulvertShape	Circular Horizontal Elliptical Vertical Elliptical Pipe Arch Arch Low-profile Arch High-Profile Arch Pear Box Multi-cell Box 3-Sided (Footings) Slab/superstructure and abutment Other		
CulvertWidth	Double	8	TAMS: Width of the culvert in inches. This field refers to the side-to-side measurement of a single-barrel culvert.	Culvert Width (inch)				
culv_span	Double	8	Measurement of entire culvert opening when consisting of several barrels placed side by side	Culvert Span (inch)				Added per 7/28 email from Mike Halloran per latest TAMC update.

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
DepthOfCover	Integer	4	TAMS: Depth of cover is yes if fill above culvert is greater than 5 ft.	Depth of Cover more than 5 feet?	Yes_no			Hidden per July 2021 MDOT comments. Adding new Depth of cover field measured in feet to replace Yes/No field.
depth_cover_feet	Double	8	Depth of cover between top of culvert and top of roadway surface.	Depth of Cover (ft)				Added per MDOT July 2021 comments.
DitchVegetation	Integer	4	TAMS: Degree to which vegetation is growing in the ditch upstream or downstream of the culvert.	Ditch Vegetation	DitchVegetation	None Partial Full		Per discussion with BOBS/GIS/Dan Belcher on 5/11/2021, this item will be added to the inspection.
UserEditedDate	Date	8	TAMS: Date the inventory record was last edited.	Last_edited_date				
InspectionDate	Date	8	TAMS: Date the inspection record was last edited. Calculated field based on the inspection table.	Last Inspected Date				
Liner	Integer	4	TAMS: Indicates whether or not a liner is present.	Liner	Yes_no			
LinerDiameter	Double	8	TAMS: Diameter of the liner in inches	Liner Diameter				
LinerMaterial	Integer	4	TAMS: Liner material	Liner Material	Liner Material	Plastic-Smooth Plastic-Corrugated CIPP Other Fiberglass Unknown		
AssetCollectionDate	Date	8	TAMS: Date asset was field verified, either as part of an inspection or by stand-alone inventory assessment.	New Asset Collection Date				
StreamSubstrate	Integer	4	TAMS: Stream Substrate (e.g., gravel, sand, clay, etc)	Stream Substrate	StreamSubstrate	Cobble Gravel Sand Silt Clay Organics Bedrock		
Surface	Integer	4	TAMS: Condition of roadway surface above culvert. (No Deficiency, Cracked, Pothole(s), Washout, Heaved, Other Settled)	Roadway Surface		No Deficiency Cracked Pothole(s) Washout Heaved Other Settled		Included in element/component inspection items.
rdwy_surf_cd	String	50	Surface type of the roadway above the culvert including Asphalt, brick, concrete, earth, gravel, or sealcoat. Options match TAMC as of 7/30/2021.	Roadway Surface Type	rdwy_surf_cdtb			Added per TAMC comparison July 2021

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
WaterDepth	Double	8	TAMS: Depth of the water in the culvert in inches at the time of inspected.	Water Depth				Per discussion with BOBS/GIS/Dan Belcher on 5/11/2021, this item will be added to the inspection. This field was initially requested by DNR.
flow_dir_cd	String	10	Direction of the water flowing through the culvert (N, NE, E, SE, S, SW, W, NW)	Flow Direction	flow_dir_cdtb	N, NE, E, SE, S, SW, W, NW		Requested by MDOT maintenance July 2021.
NumberofBarrelsCells	Integer	4	Number of cells that make up the barrel	Number of Barrels Cells				
CulvertLengthCalculated	Double	8	TAMS: Length of the culvert calculated based on the GIS start and end point.	Culvert Length Calculated				
skew_ang	Double	8	Number of degrees between a line perpendicular to the roadway and the culvert barrel (see Figure from TAMC guidebook)  Figure 2 Culvert skew angles	Skew Angle				Added per MDOT review of June 2021 draft TAMC guidebook.
NumberofLanes	Integer	4	Number of lanes on the roadway above the culvert.	Number of Lanes				
DesignDischargeCFS	Double	8	The culvert's design discharge in CFS	Design Discharge (CFS)				Added per Data Discovery meetings fall 2020
DrainageAreaAcres	Double	8	Drainage area associated with the culvert, measured in acres.	Drainage Area Acres				Added per Data Discovery meetings fall 2020
InletProtection	Integer	4	Elements or structures that reduce the velocity and energy of water such that the flow will not cause erosion or scour. Indicates whether or not inlet protection is present	Inlet Protection	Yes_no			Added per Data Discovery meetings fall 2020
OutletProtection	Integer	4	Elements or structures that reduce the velocity and energy of water such that the flow will not cause erosion or scour. Indicates whether or not outlet protection is present.	Outlet Protection	Yes_no			Added per Data Discovery meetings fall 2020
perch_outlet_cd	Integer	4	Indicates whether the outlet is perched, an outlet elevated above the downstream water surface, allowing a freefall condition.	Perched outlet present?	Yes_No			

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
rr_op_name	String	50	Railroad Operator Name, requested by Office of Rail. Office of Rail is custodian/owner of this field.	Railroad Operator Name				Requested by Office of Rail, July 2021
rr_div	String	50	Railroad Division, requested by Office of Rail. Office of Rail is custodian/owner of this field.	Railroad Division				Requested by Office of Rail, July 2021
rr_mp	Double	8	Railroad Milepost at the culvert cross, requested by Office of Rail. Office of Rail is custodian/owner of this field.	Railroad Milepost				Requested by Office of Rail, July 2021
rr_xstr	String	50	Cross-street nearest the culvert/rr crossing, requested by Office of Rail. Office of Rail is custodian/owner of this field.	Nearest cross-roads				Requested by Office of Rail, July 2021
rr_num_trck_cross	Integer	4	Number of tracks that the culvert cross, requested by Office of Rail. Office of Rail is custodian/owner of this field.	Number of tracks crossed				Requested by Office of Rail, July 2021

TableName: Culvert_End_Inventory_Table

DatasetType: Polyline
Table Description: Culvert End Inspection only
AliasName: Culvert End Inventory

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
GlobalID	GlobalID	38	Unique Global Asset ID (auto generated)	GlobalID				
Bound	Integer	4	TAMS: Roadway direction/bound where the asset is located. If asset is located on one bound but serves another, provide the bound served (e.g., for sign structures).	Bound	nrst_rte_drtn_cdtb			
ConditionIndex	Integer	4	TAMS: This field is a historical field containing the culvert condition ratings prior to Ancillary Structures program. This field is called nrst_rte_drtn_cd in the Cantilever/Truss/Retaining Wall types.	Condition Index	cpnt_rating_cdtb			
CulvertEndID	GUID	38	TAMS: Unique Global ID (auto generated for the culvert end)	CulvertEndID*				
CulvertID	GUID	38	TAMS: Unique Global ID (auto generated for the culvert end)	CulvertID				
EmbankmentCondition	Integer	4	TAMS: Historical field that captured the embankment condition prior to Ancillary Structures program.	Embankment Condition				
EndExtension	Integer	4	TAMS: Indicates whether or not a culvert end extension is present.	End Extension	Yes_no			
EndLocation	Integer	4	TAMS: Location (N,S,E,W) of the culvert end	End Location	EndLocation			
EndSection	Integer	4	TAMS: Type of end section.	End Section	EndSectionType			
EndSectionDetached	Integer	4	TAMS: Indicates whether the end section is attached or detached form the culvert.	End Section Detached	Yes_no			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
EndSectionMaterial	Integer	4	TAMS: End section material	End Section Material	EndSectionMaterial			
ExtensionDimeSameAsCulvert	Integer	4	TAMS: Indicates whether the dimension of the end section is the same as the culvert.	Extension Dimension Same As Culvert	Yes_no			
ExtensionMaterialSameAsCulvert	Integer	4	TAMS: Indicates whether the end section material is the same as the culvert.	Extension Material Same As Culvert	Yes_no			
ExtensionShapeSameAsCulvert	Integer	4	TAMS: Indicates whether the shape of the end section is the same as the culvert.	Extension Shape Same As Culvert	Yes_no			
FootingExposed	Integer	4	TAMS: Indicates whether or not the footing is exposed.	Footing Exposed	Yes_no			
InstallYear	Integer	4	TAMS: Year asset was installed.	Install Year				
InvertAboveChannelBottom	Integer	4	TAMS: Is invert of end above the channel bottom? Yes/No	Invert Above Channel Bottom	Yes_no			
scour_prot_type_cd	Integer	4	Scour protection type such as riprap	Scour Protection Type	scour_prot_type_cd	Plain Riprap Heavy Riprap Field Stone Channel Armoring Articulating Concrete Block Gabion Grout-filled Bags Sheet Piling Other Scour Countermeasure None		
Riprap	Integer	4	TAMS: Indicates whether or not riprap is present.	Riprap	Yes_no			If riprap is not present but should be, create a Work Rec.
RiprapCondition	Integer	4	TAMS: Historical field included prior to Ancillary Structures program.	Riprap Condition				If riprap condition needs to be repaired, create a Work Rec.
SafetyGrate	Integer	4	TAMS: Indicates whether or not a safety grate is present.	Safety Grate	Yes_no			If safety grate is not present but should be, create a Work Rec.
ScourPresent	Integer	4	TAMS: Indicates whether or not scour is present.	Scour Present	Yes_no			If there is a scour issue, create a Work Rec.
SedimentDepthGreater20	Integer	4	TAMS: Indicates whether or not sediment depth is greater than 20% of the culvert.	Sediment Depth Greater 20	Yes_no			
SystemCreateDate	Date	8	TAMS: Date feature created in database	System Create Date				

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
SystemModifiedDate	Date	8	TAMS: Date feature last modified in database	System Modified Date				
UserCreate	String	255	TAMS: Name of user who created the feature	User Create				
UserModified	String	255	TAMS: Name of user who modified the feature	User Modified				
EndSectionExtLength_ft_	Double	8	Length of end section extension in feet.	End Section Extension Length (ft)				
EndSectionRemarks	String	1000	General remarks about the end section	End Section Remarks				
invt_field_vrfy_date	Date	8	Date the asset inventory was verified in the field	Field Verification Date				
invt_field_vrfy_user	String	255	User who verified the asset inventory in the field	Inventory Field Verification User				
invt_field_vrfy_cmpy_cd	Integer	4	Name of company performing asset inventory field verification.	Field Verification Company	insp_cmpy_cdtb			

TableName: Culvert_Inspection

DatasetType: Polyline
Table Description: Culvert Inspection only
AliasName: Culvert Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	Insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was completed in the field	Inspection Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inspection User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Inspection Company	insp_cmpy_cdtb	Dropdowns	
insp_comm	String	3999	General comment entered during inspection	Inspection Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	last_edited_date			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
water_depth_inlet	Double	8	Depth of the water in the culvert inlet in inches at the time of inspection.	Water Depth Inlet (inches)			
water_depth_outlet	Double	8	Depth of the water in the culvert outlet in inches at the time of inspection.	Water Depth Outlet (inches)			
hdwl_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the Headwall Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
hdwl_elmt_rtg_comm	String	3999	General comment for element rating	Headwall Element Comment			
hdwl_elmt_rtg_good	Integer	4	Quantity of Culvert Headwall Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Culvert Headwall Element is measured as EACH headwall.	Headwall Element Rated Good (Each)			
hdwl_elmt_rtg_fair	Integer	4	See hdwl_elmt_rtg_good for description	Headwall Element Rated Fair (Each)			
hdwl_elmt_rtg_poor	Integer	4	See hdwl_elmt_rtg_good for description	Headwall Element Rated Poor (Each)			
hdwl_elmt_rtg_severe	Integer	4	See hdwl_elmt_rtg_good for description	Headwall Element Rated Severe (Each)			
wngwl_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the Wingwall Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
wngwl_elmt_rtg_comm	String	3999	General comment for element rating	Wingwall Element Comment			
wngwl_elmt_rtg_good	Integer	4	Quantity of Culvert Wingwall Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Culvert Wingwall Element is measured as EACH wingwall.	Wingwall Element Rated Good (Each)			
wngwl_elmt_rtg_fair	Integer	4	See wngwl_elmt_rtg_good for description.	Wingwall Element Rated Fair (Each)			
wngwl_elmt_rtg_poor	Integer	4	See wngwl_elmt_rtg_good for description.	Wingwall Element Rated Poor (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
wngwl_elmt_rtg_severe	Integer	4	See wngwl_elmt_rtg_good for description.	Wingwall Element Rated Severe (Each)			
scour_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the Scour Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
scour_elmt_rtg_comm	String	3999	General comment for element rating	Scour Element Comment			
scour_elmt_rtg_good	Integer	4	Quantity of Culvert Scour Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Culvert Scour Element is measured as EACH scour.	Scour Element Rated Good (Each)			
scour_elmt_rtg_fair	Integer	4	See scour_elmt_rtg_good for description.	Scour Element Rated Fair (Each)			
scour_elmt_rtg_poor	Integer	4	See scour_elmt_rtg_good for description.	Scour Element Rated Poor (Each)			
scour_elmt_rtg_severe	Integer	4	See scour_elmt_rtg_good for description.	Scour Element Rated Severe (Each)			
joint_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was Joints Element Rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
joint_elmt_rtg_comm	String	3999	General comment for element rating	Joints Element Comment			
joint_elmt_rtg_good	Integer	4	Quantity of Culvert Joint Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Culvert Joint Element is Measured as each of the Joint Element with the Good/Fair/Poor/Severe rating.	Joints Element Rated Good (Each)			
joint_elmt_rtg_fair	Integer	4	See joint_elmt_rtg_good for description.	Joints Element Rated Fair (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
joint_elmt_rtg_poor	Integer	4	See joint_elmt_rtg_good for description.	Joints Element Rated Poor (Each)			
joint_elmt_rtg_severe	Integer	4	See joint_elmt_rtg_good for description.	Joints Element Rated Severe (Each)			
barl_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was Barrel Element Rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
barl_elmt_rtg_comm	String	3999	General comment for element rating	Barrel Element Comment			
barl_elmt_rtg_good	Integer	4	Quantity of Culvert Joint Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Culvert Joint Element is Measured as length in feet of the Joint Element with the Good/Fair/Poor/Severe rating.	Barrel Element Rated Good (Length, feet)			
barl_elmt_rtg_fair	Integer	4	See barl_elmt_rtg_good for description.	Barrel Element Rated Fair (Length, feet)			
barl_elmt_rtg_poor	Integer	4	See barl_elmt_rtg_good for description.	Barrel Element Rated Poor (Length, feet)			
barl_elmt_rtg_severe	Integer	4	See barl_elmt_rtg_good for description.	Barrel Element Rated Severe (Length, feet)			
culv_appr_cpnt_rtg_cd	Integer	4	Culvert Approach Roadway and Embankment Component rating on a zero to nine scale. Component defined as the culvert approach roadway and embankment within 20 feet either side of culvert below.	Culvert Approach Roadway and Embankment Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
culv_appr_cpnt_comm	String	3999	Comment for the Culvert Approach Roadway and Embankment Component rating. Component defined as the culvert approach roadway and embankment within 20 feet either side of culvert below.	Culvert Approach Roadway and Embankment Component Comment			
culv_chnl_cpnt_rtg_cd	Integer	4	Channel Component rating on a zero to nine scale. Component defined as the channel of waterway entering and leaving culvert.	Culvert Channel Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
culv_chnl_chnl_comm	String	3999	Comment for the Channel Component rating. Component defined as the channel of waterway entering and leaving culvert.	Culvert Channel Component Comment			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
culv_strc_cpnt_rtg_cd	Integer	4	Culvert Structure Component rating on a zero to nine scale. Component defined as the culvert structure including headwalls, wingwalls, barrel, Barrel, and footing	Culvert Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
culv_strc_strc_comm	String	3999	Comment for the Culvert Structure Component rating. Component defined as the culvert structure including headwalls, wingwalls, barrel, Barrel, and footing	Culvert Structure Comment			
culv_end_cpnt_rtg_cd	Integer	4	Culvert End Treatment Component rating on a zero to nine scale. Component includes scour, headwalls, and wingwalls.	Culvert End Treatment Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
culv_end_cpnt_comm	String	3999	Comment for the Culvert End Treatment Component rating. Component includes scour, headwalls, and wingwalls.	Culvert End Treatment Comment			
culv_cpnt_rtg_cd	Integer	4	Overall calculated culvert component rating on a zero to nine scale. Calculated as the minimum of the Approach, Channel, Structure, and Scour components. Should not be displayed on the inspection form.	Culvert Component (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
next_insp_freq	Double	8	Next inspection frequency in months. Default 60 months years unless suggest otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=60 months.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default=60 months	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	qc_stat_cdtb	revw_stat_cdtb	
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	qa_stat_cdtb	revw_stat_cdtb	
inlet_sfty_grate_cd	String	10	Yes/No if a safety grate or trash rack is present at the inlet.	Safety grate or trash rack present at inlet?			
outlet_sfty_grate_cd	String	10	Yes/No if a safety grate or trash rack is present at the outlet.	Safety grate or trash rack present at outlet?	Yes_no		
insp_complete_cd	String	255	Field for inspector to identify if the inspection is complete or in progress. Default value = “In Progress”. When complete, inspector changes to “Ready for QC”	Inspection Complete?	insp_complete_cdtb	In Progress Ready for QC	

Retaining Wall

TableName: Retaining_Wall_Inventory

DatasetType: Polyline
Table Description: Retaining Wall Inventory only
AliasName: Retaining Wall Inventory

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
ret_wall_type_cd	Integer	4	Retaining Wall Type.	Retaining Wall Type	ret_wall_type_cdtb	1 Concrete Cantilever Retaining Wall 2 Mechanically Stabilized Earth (MSE) 3 Timber Retaining Wall 4 Masonry Retaining Wall 5 Modular/Segmental Block Wall 6 Metal/ Sheet Pile Retaining Wall 7 Anchored Retaining Wall 8 Gabion Retaining Wall 9 Plastic/ Vinyl Lumber 10 Reinforced Earth Wall (Soil Nail) 11 Geosynthetic Reinforced Soil (GRS) 12 Post and Panel Wall 13 Solder Pile Wall 99 Other	Pre-populate, Inspector Verify	
strucname	String	50	Structure Name consists of concatenation of strc_num + ret_wall_type_cd + location	Structure Name			Auto	
feat_sppt	String	100	Feature supported by wall.	Supported Feature			Inspector	
feat_prot	String	100	Feature protected by wall.	Protected Feature			Inspector	
fndtn_cd	Integer	4	Name of the foundation type.	Foundation Type	ret_wall_fndtn_cdtb	1 Concrete Footing 2 Ground Improvement / Geo-Pier 3 Concrete Leveling Pad 4 Aggregate Leveling Pad 5 H-Piles 6 Pipe Piles 7 Concrete Piles 8 Drilled Piers 9 N/A	Pre-populate, Inspector Verify	
fnct_cd	Integer	4	Wall Function	Wall Function	RetainingWallFunction	1 Roadway Support 2 Right-of-Way Support	Inspector	
arch_face_cd	Integer	4	Type of architectural wall facing	Architecture Wall Facing Type	RetainingWallArchFace	1 Brick 2 Stone 3 Painted 4 Vegetation 5 Formed 6 Stained 7 Exposed Aggregate 8 Dyed 9 Sculpted 10 Ashlar 11 Straight-Faced	Inspector	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
						12 Tri-Planar 13 N/A 14 Precast		
grt_pct	Integer	4	Yes/No code indicating whether tieback grout pockets are present	Tieback Grout Pockets	Yes_no		Inspector	
wall_top_feat_cd	String	1000	Description of features located on the top of the wall.	Wall Top Features			Inspector	
wall_max_hgt	Double	8	Maximum height of the exposed wall in decimal feet	Wall Max Height Exposed (feet)			Inspector	
wall_min_hgt	Double	8	Minimum height of the exposed wall in decimal feet	Wall Min Height Exposed (feet)			Inspector	
wall_lgth	Double	8	Wall Length (feet) measured in the field. Measure from joint to joint and add together.	Wall Length (feet)			Inspector	
wall_rfmt_cd	Integer	4	Reinforcement Type	Reinforcement Type	wall_rfmt_cdtb	1 Steel Strips 2 Steel Grid 3 Geosynthetic Strips 4 Geosynthetic Grid 5 Driven Soil Nails 6 Drilled Soil Nails 7 Bar Anchors 8 Strand Anchors 9 Reinforcing Mesh 10 Ground Anchor 98 Unknown 99 Other 100 N/A	Inspector	
wall_batter	Double	8	A surrogate for angle of the retaining wall facing in degrees, measured by entering the horizontal distance in inches between 4 ft vertical level and the wall face A positive measurement indicates that the top of the wall is farther from the roadway than the bottom of the wall.	Wall Batter (inches)			Inspector	
wall_bcfl_slope_cd	Integer	4	Wall Backfill Slope	Slope of backfill behind wall	slope_cdtb	1 1H:1.5V 2 1H:2V 3 1H:2.5V 4 1H:3V 5 1H:3.5V 6 1H:4V 7 1H:5V 8 Flatter than 1H:1.5V	Inspector	
wall_front_slope_cd	Integer	4	Wall Front Slope	Slope of earth in front of wall	slope_cdtb	1 1H:1.5V 2 1H:2V 3 1H:2.5V 4 1H:3V 5 1H:3.5V 6 1H:4V 7 1H:5V 8 Flatter than 1H:1.5V	Inspector	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
istr_cd	Integer	4	Instrumentation installed on or behind wall to monitor wall performance such as inclinometers, piezometers, strain gauges, or other.	Instrumentation	Yes_no		Inspector	
atch_strc_note	String	1000	Description of structures attached to retaining wall	Attached Structures Notes			Inspector	
prot_coat_cd	Integer	4	Indicates the type of protective coating present on the wall	Which type of protective coating is present on the wall?	wall_prot_coat_cdtb	1. paint 2. Other	Inspect	
pr_mp_begin	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the beginning of the asset.	PR Milepoint Begin			Auto	
pr_end	String	14	PR end is the Physical Road ID at the end of the wall A Physical Road ID Number is a part of a common linear referencing system used statewide to uniquely identify any point or section of roadway within Michigan's transportation network. The PR is a unique value given to a section of roadway, this can then be followed by an exact mile point in order to pinpoint a location or a beginning mile point (BMP) and ending mile point (EMP) can be listed to identify a section of roadway	PR End			Auto	
pr_mp_end	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the end of the asset.	PR Milepoint End			Auto	
cs_mp_begin	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the beginning of the asset.	CS Milepoint Begin			Auto	
cs_mp_end	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the end of the asset.	CS Milepoint End			Auto	
cs_end	String	5	CS end is the Control Section at the end of the wall A Control Section is a number assigned to a section of state trunkline that includes the mainline segments as well as any ramps or other facilities associated with that section. The first	CS End			Auto	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
			two digits represent the county in which the control section is located. The asset CS is determined based on the PR and PR MP.					
cs_branch_end_cd	String	2	CS Branch identifies the function of the Control Section Feature. 01 – 09 Forward CS mainline 11 – 20 Reverse CS mainline 51 Cutoff, connector, or remainders Prefix the UNID with N (e.g. N01A) 52 MDOT Construction Remainders (Reassigned to another branch) 53 Jurisdictional Transfer Remainders (Reassigned to another branch) 54 Segments on trunkline roundabouts between local roads UNID will be the roundabout ID followed by a letter (e.g. 001A) 58 Roadside parks and non-limited access rest areas and weigh stations Prefix the UNID with R (rest area) or W (weigh station) followed by the Park/Stetion number and A-Z (e.g. R01A or W01A) 59 At-grade non-limited access ramps Prefix the UNID with N (e.g. N01A) 61/62 Forward/reverse service drives 63/64 Forward/reverse service drives 65/66 Forward/reverse collector-distributors Where a MALI ramp ID is not assigned to branch 61 to 66, a UNID with a prefix 9, ramp number, and endings of Y/Z are	CS Branch End			Auto	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
			assigned for the pair (e.g. 901Y/901Z) 71 Boulevard directional turnarounds with a UNID prefix of C (C001) 72 Limited access freeway crossovers with a UNID prefix of C (C002) 73 Overpass turnarounds with a UNID prefix of C (C003) 82 Non-mainline trunkline segments at the beginning or end of a CS (Reassigned to another branch) 83 Unusual non-Sufficiency rated CS mainline segments (Reassigned to another branch) 96 MDOT maintenance garage 97 Weigh stations 98 Rest areas and limited access welcome centers 99 Limited access ramps					
cs_lrmkey_end	String	11	CS LRM Key is a concatenation of CS and CS Branch and uniquely identifies a roadway segment on the Control Section network	CS LRM Key End			Auto	
precise_lat_wall_start	Double	8	To be calculated from line. Precise latitude value in DDDDDD.dddd format of the start of the wall.	Latitude			Auto	
precise_lon_wall_start	Double	8	To be calculated from line. Precise longitude value in DDDDDD.dddd format of the start of the wall.	Longitude			Auto	
precise_lat_wall_end	Double	8	To be calculated from line. Precise latitude value in DDDDDD.dddd format of the end of the wall.	Latitude			Auto	
precise_lon_wall_end	Double	8	To be calculated from line. Precise longitude value in DDDDDD.dddd format of the end of the wall.	Longitude			Auto	

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TableName: Retaining_Wall_Inspection

DatasetType: Polyline
Table Description: Retaining Wall Inspection only
AliasName: Retaining Wall Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
insp_type_cd	Integer	4	Inspection type: Routine, Damage, new Construction, Other	Inspection Type	1. Routine 2. Damage 3. New Construction 4. Other		
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb		
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	last_edited_date			
wall_face_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Wall Facing Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was Wall Facing Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
wall_face_elmt_rtg_comm	String	1000	General comment for Wall Facing Element	Wall Facing Element comment			
wall_face_elmt_rtg_good	Double	8	Quantity of Wall Facing Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Wall Facing Element is measured asarea in square feet of the wall facing element.	Wall Facing Element rated Good (Area, square feet)			
wall_face_elmt_rtg_fair	Double	8	See wall_face_elmt_rtg_good for description	Wall Facing Element rated Fair (Area, square feet)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
wall_face_elmt_rtg_poor	Double	8	See wall_face_elmt_rtg_good for description	Wall Facing Element rated Poor (Area, square feet)			
wall_face_elmt_rtg_severe	Double	8	See wall_face_elmt_rtg_good for description	Wall Facing Element rated Severe (Area, square feet)			
wall_anch_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Anchors/Connection Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was Anchors / Connections Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
wall_anch_elmt_rtg_comm	String	1000	General comment for Anchors / Connections Element	Anchors / Connections Element comment			
wall_anch_elmt_rtg_good	Double	8	Quantity of Anchors / Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Anchors / Connections Element is measured as length in feet of the anchor / connection element.	Anchors / Connections Element rated Good (Each)			
wall_anch_elmt_rtg_fair	Double	8	See wall_anch_elmt_rtg_good for description	Anchors / Connections Element rated Fair (Each)			
wall_anch_elmt_rtg_poor	Double	8	See wall_anch_elmt_rtg_good for description	Anchors / Connections Element rated Poor (Each)			
wall_anch_elmt_rtg_severe	Double	8	See wall_anch_elmt_rtg_good for description	Anchors / Connections Element rated Severe (Each)			
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Vertical Support Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was Vertical Support Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	1000	General comment for Vertical Support Element	Vertical Support Element comment			
vert_sppt_elmt_rtg_good	Double	8	Quantity of Vertical Support Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Element is measured as length in feet of the vertical support element.	Vertical Support Element rated Good (Length, ft)			
vert_sppt_elmt_rtg_fair	Double	8	See vert_sppt_elmt_rtg_good for description	Vertical Support Element rated Fair (Length, ft)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
vert_sppt_elmt_rtg_poor	Double	8	See vert_sppt_elmt_rtg_good for description	Vertical Support Element rated Poor (Length, ft)			
vert_sppt_elmt_rtg_severe	Double	8	See vert_sppt_elmt_rtg_good for description	Vertical Support Element rated Severe (Length, ft)			
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Element Partial Rated – Defects Identified, Rating Conducted – Defects Identified, Rating Conducted – No Defects	Was Foundation Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
fndtn_elmt_rtg_comm	String	1000	General comment for Foundation Element. If element partial rated, describe reason for partial rating and estimate the quantity not rated.	Foundation Element comment			
fndtn_elmt_rtg_good	Double	8	Quantity of Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted – Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Foundation Element is measured as length in feet of the foundation element.	Foundation Element rated Good (Length, ft)			
Fndtn_elmt_rtg_fair	Double	8	See fndtn_elmt_rtg_good for description	Foundation Element rated Fair (Length, ft)			
fndtn_elmt_rtg_poor	Double	8	See fndtn_elmt_rtg_good for description	Foundation Element rated Poor (Length, ft)			
fndtn_elmt_rtg_severe	Double	8	See fndtn_elmt_rtg_good for description	Foundation Element rated Severe (Length, ft)			
stbl_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Wall Stability Element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted – Defects Identified, Rating Conducted – No Defects	Was Wall Stability Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
stbl_elmt_rtg_comm	String	1000	General comment for Wall Stability Element	Wall Stability Element comment			
stbl_elmt_rtg_good	Double	8	Quantity of Wall Stability Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted – Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Wall Stability Element is measured as length in feet of the wall stability element.	Wall Stability Element rated Good (Length, ft)			
Stbl_elmt_rtg_fair	Double	8	See stbl_elmt_rtg_good for description	Wall Stability Element rated Fair (Length, ft)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
stbl_elmt_rtg_poor	Double	8	See stbl_elmt_rtg_good for description	Wall Stability Element rated Poor (Length, ft)			
stbl_elmt_rtg_severe	Double	8	See stbl_elmt_rtg_good for description	Wall Stability Element rated Severe (Length, ft)			
drain_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Drainage Element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted – Defects Identified, Rating Conducted – No Defects Status field indicating whether or not the Drainage Elements Element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted – Defects Identified, Rating Conducted – No Defects	Was Drainage Elements Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
drain_elmt_rtg_comm	String	1000	General comment for Drainage Elements Element	Drainage Elements Element comment			
drain_elmt_rtg_good	Double	8	Quantity of Drainage Elements Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted – Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Drainage Elements Element is measured as length in feet of the drainage element.	Drainage Elements Element rated Good (Length, ft)			
Drain_elmt_rtg_fair	Double	8	See drain_elmt_rtg_good for description	Drainage Elements Element rated Fair (Length, ft)			
drain_elmt_rtg_poor	Double	8	See drain_elmt_rtg_good for description	Drainage Elements Element rated Poor (Length, ft)			
drain_elmt_rtg_severe	Double	8	See drain_elmt_rtg_good for description	Drainage Elements Element rated Severe (Length, ft)			
ret_wall_cpnt_rtg_cd	Integer	4	Retaining Wall Conditions Component Rating	Retaining Wall Conditions Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
ret_wall_cpnt_comm	String	1000	Retaining Wall Conditions Component Rating Comment	Retaining Wall Conditions Component Rating Comment			
next_insp_freq	Double	8	Next inspection frequency in months. Default 24 months unless suggest otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=24 months.	Next Inspection Frequency			
Just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default=24 months.	Justification Comment for Next Inspection Frequency			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	qc_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	qa_stat_cdtb		
num_work_rec	Integer	4	Calculated field indicating the number of Work Recommendations created as part of the inspection	Number of Work Recs			
num_rfa	Integer	4	Calculated field indicating the number of RFAs created as part of the inspection	Number of RFAs			
poor_worse_rtg			Calculated field. “Yes” if any of the elements or components are rated Poor or worse than Poor. “No” otherwise. Used for QC/QA purposes	Poor or worse rating?			

Cantilever and Truss Structures

Note: Some of the fields are populated with data from the MiSigns database (see Note column)

TableName: Sign_Strc_Inventory

DatasetType: Point layer
Table Description: Inventory of Cantilever and Truss Structures
AliasName: SigStrc_Inventory

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to Populate	Note
strc_type_cd	Integer	4	Ancillary Structure Type. This is the “Support Overhead Classification” field in MiSigns	Structure Type	strc_type_cdtb	1 Sign Cantilever 2 Sign Truss 3 Culvert less than 10 feet 4 Retaining Wall	Inspector Verify	From MiSigns
sign_strc_type_cd	Integer	4	Sign Support Type (e.g. Truss, Type E). This is the “Support Name” field in MiSigns”	Sign Support Type	sign_sppt_type_cdtb	1 Cantilever, Type C 2 Cantilever, Type D 3 Cantilever, Type E 4 Cantilever, Type J 5 Truss, Type C 6 Truss, Type D 7 Truss, Type E 8 Cantilever, Butterfly 9 Truss, Type B	Inspector Verify	From MiSigns

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FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to Populate	Note
						10 Cantilever, Type G		
strucname	String	50	Structure Name consists of concatenation of strc_num + sign_strc_type_cd + location	Structure Name			Inspector Verify	
manufacturer	String	50	Name of manufacturer	Manufacturer Name			Office-populated	
fab_date	Date	8	Date structure was fabricated	Fabrication Date			Office-populated	
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset. MiSigns = PR MP	PR Milepoint			Auto	From MiSigns
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset. MiSigns = CS MP	CS Milepoint			Auto	From MiSigns
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format. MiSigns = Latitude	Latitude				
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format. MiSigns = Longitude	Longitude				
vclrunder	Double	8	Minimum Vertical Underclearance, measure in decimal feet. Measure 2 feet from edge of shoulder and add estimated height from shoulder to roadway crown.	Minimum Vertical Underclearance			Inspector can measure from shoulder and add crown distance.	
sppt_matl_type_cd	Integer	4	Support Material Type. Steel	Support Material Type	sppt_matl_type_cdtb	1 Steel 2 Aluminum	Inspector-populated	
sppt_matl_coat_cd	Integer	4	Support Material Coating	Support Material Coating	sppt_matl_coat_cdtb	1 Galvanized 2 Painted	Inspector populated	
span_lgth	Double	8	Span of the truss structure between vertical uprights. MiSigns = Truss Span (ft)	Truss Span (ft)			Office-populated. Not measured in field.	From MiSigns
horz_arm_lgth	Double	8	Length of the horizontal arm in feet. MiSigns = Arm Length (ft)	Arm Length (ft)			Office-populated. Not measured in field.	From MiSigns
num_sign_attached	Integer	4	Number of signs attached to the structure. Calculated from MiSigns by counting the sign records associated with the Sign Installation ID	Number of Signs Attached				From MiSigns
sign_mount_type_cd	Integer	4	Type of sign mounting for signs attached to vertical supports. Signs mounted on truss/cantilever arms/chords will follow relevant design standards unless other indicated in comment field.	Sign Mounting Type	sign_mount_type_cdtb	1 Aluminum I-Beam 2 Other		

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to Populate	Note
uprgt_left_sppt_lgth	Double	8	Length of the upright on left hand side of the asset in feet. MiSigns = Left Upright Length (ft) Measurement is from top of base plate to center of two arms. For box truss, measure from top of base plate to the bottom of the box.	Truss Left Upright Length (ft)				From MiSigns
uprgt_right_sppt_lgth	Double	8	Length of the upright on right hand side of the asset feet. MiSigns = Right Upright Length (ft). Measurement is from top of base plate to center of two arms. For box truss, measure from top of base plate to the bottom of the box.	Truss Right Upright Length (ft)				From MiSigns
cant_spprt_lgth	Double	8	Length of the upright support for cantilever structures measured in feet. Measurement is from top of base plate to center of the arm. For box cantilever, measure from top of base plate to the bottom of the box.	Cantilever Upright Length (ft)				
sign_instl_id	Integer	4	Sign Installation ID from MiSigns.	Sign Installation ID				
licns_plt_cd	Integer	4	Yes/No code indicating whether license plate reader is attached to the structure.	License plate reader	Yes_no		Inspector-populated	

TableName: Sign_Strc_Fndtn

DatasetType: Point layer
Table Description: Inventory of Cantilever and Truss Structures Foundation
AliasName: Sign Structure Foundation

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	Note
fndtn_type_cd	Integer	4	Foundation type. MiSigns = Foundation Name	Sign Foundation Type	sign_fndtn_type_cdtb		From MiSigns
fndtn_loc_cd	Integer	4	Location of the foundation when facing the sign structure in the direction of travel. Left, Right, Left and Right, Other.	Sign Foundation Location	sign_fndtn_loc_cd		
note	String	3999	General notes about the foundation.	Note			
AssetGUID	GUID	38	AssetGUID. Foreign key relating to the Sign_Strc_Inventory table.	AssetGUID			
sign_installation_id	Integer	4	Sign Installation is a MiSigns value that ties all the components (signs, support, foundation) together.	Sign Installation ID			From Msigns
invt_field_vrfy_date	Date	8	Date the asset inventory was verified in the field	Field Verification Date			
invt_field_vrfy_user	String	255	User who verified the asset inventory in the field	Inventory Field Verification User			

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	Note
invt_field_vrfy_cmpy_cd	Integer	4	Name of company performing asset inventory field verification.	Field Verification Company	insp_cmpy_cdtb		

TableName: Sign_Strc_Inspection

DatasetType: Point layer
Table Description: Inspection of Cantilever and Truss Structures
AliasName: SignStrc_Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
sign_strc_type_cd	Integer	4	Sign Support Type (e.g. Truss, Type E). This is the “Support Name” field in MiSigns”	Sign Support Type	sign_sppt_type_cdtb	1 Cantilever, Type C 2 Cantilever, Type D 3 Cantilever, Type E 4 Cantilever, Type J 5 Truss, Type C 6 Truss, Type D 7 Truss, Type E	Same as Sign Structure Type in Sign_Strc_Inspection
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb		
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	last_edited_user			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	last_edited_date			
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number Present and Legible?	Yes_no		
bolt_rght_sound_1_cd	Integer	4	Result of the bolt sounding (ping) test for the foundation on the right side of the structure when facing the direction of travel: Acceptable, Dull, Loose	Sounding Bolt RH 1	bolt_sound_ctdb		
bolt_rght_sound_2_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 2	bolt_sound_ctdb		
bolt_rght_sound_3_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 3	bolt_sound_ctdb		
bolt_rght_sound_4_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 4	bolt_sound_ctdb		
bolt_rght_sound_5_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 5	bolt_sound_ctdb		
bolt_rght_sound_6_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 6	bolt_sound_ctdb		
bolt_rght_sound_7_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 7	bolt_sound_ctdb		
bolt_rght_sound_8_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 8	bolt_sound_ctdb		
bolt_rght_sound_9_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 9	bolt_sound_ctdb		
bolt_rght_sound_10_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 10	bolt_sound_ctdb		
bolt_rght_sound_11_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 11	bolt_sound_ctdb		
bolt_rght_sound_12_cd	Integer	4	See bolt_rght_sound_1_cd for description	Sounding Bolt RH 12	bolt_sound_ctdb		
bolt_lft_sound_1_cd	Integer	4	Result of the bolt sounding test for the foundation on the left side of the structure when facing the direction of travel: Acceptable, Dull, Loose	Sounding Bolt LH 1	bolt_sound_ctdb		
bolt_lft_sound_2_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 2	bolt_sound_ctdb		

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_lft_sound_3_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 3	bolt_sound_ctdb		
bolt_lft_sound_4_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 4	bolt_sound_ctdb		
bolt_lft_sound_5_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 5	bolt_sound_ctdb		
bolt_lft_sound_6_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 6	bolt_sound_ctdb		
bolt_lft_sound_7_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 7	bolt_sound_ctdb		
bolt_lft_sound_8_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 8	bolt_sound_ctdb		
bolt_lft_sound_9_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 9	bolt_sound_ctdb		
bolt_lft_sound_10_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 10	bolt_sound_ctdb		
bolt_lft_sound_11_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 11	bolt_sound_ctdb		
bolt_lft_sound_12_cd	Integer	4	See bolt_lft_sound_1_cd for description	Sounding Bolt LH 12	bolt_sound_ctdb		
bolt_rght_ut_1	Integer	4	Results of the ultrasonic test for the foundation on the right side of the structure when facing the direction of travel: Pass, Fail	UT Bolt RH 1	bolt_ut_ctdb		
bolt_rght_ut_2	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 2	bolt_ut_ctdb		
bolt_rght_ut_3	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 3	bolt_ut_ctdb		
bolt_rght_ut_4	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 4	bolt_ut_ctdb		
bolt_rght_ut_5	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 5	bolt_ut_ctdb		
bolt_rght_ut_6	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 6	bolt_ut_ctdb		
bolt_rght_ut_7	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 7	bolt_ut_ctdb		

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_rght_ut_8	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 8	bolt_ut_ctdb		
bolt_rght_ut_9	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 9	bolt_ut_ctdb		
bolt_rght_ut_10	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 10	bolt_ut_ctdb		
bolt_rght_ut_11	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 11	bolt_ut_ctdb		
bolt_rght_ut_12	Integer	4	See bolt_rght_ut_1 for description	UT Bolt RH 12	bolt_ut_ctdb		
bolt_lft_ut_1	Integer	4	Results of the ultrasonic test for the foundation on the left side of the structure when facing the direction of travel: Pass, Fail	UT Bolt LH 1	bolt_ut_ctdb		
bolt_lft_ut_2	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 2	bolt_ut_ctdb		
bolt_lft_ut_3	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 3	bolt_ut_ctdb		
bolt_lft_ut_4	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 4	bolt_ut_ctdb		
bolt_lft_ut_5	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 5	bolt_ut_ctdb		
bolt_lft_ut_6	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 6	bolt_ut_ctdb		
bolt_lft_ut_7	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 7	bolt_ut_ctdb		
bolt_lft_ut_8	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 8	bolt_ut_ctdb		
bolt_lft_ut_9	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 9	bolt_ut_ctdb		
bolt_lft_ut_10	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 10	bolt_ut_ctdb		
bolt_lft_ut_11	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 11	bolt_ut_ctdb		
bolt_lft_ut_12	Integer	4	See bolt_lft_ut_1 for description	UT Bolt LH 12	bolt_ut_ctdb		

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_rght_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut.	Stand Off Bolt RH 1 (Length, inches)			
bolt_rght_stand_off_2	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 2 (Length, inches)			
bolt_rght_stand_off_3	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 3 (Length, inches)			
bolt_rght_stand_off_4	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 4 (Length, inches)			
bolt_rght_stand_off_5	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 5 (Length, inches)			
bolt_rght_stand_off_6	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 6 (Length, inches)			
bolt_rght_stand_off_7	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 7 (Length, inches)			
bolt_rght_stand_off_8	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 8 (Length, inches)			
bolt_rght_stand_off_9	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 9 (Length, inches)			
bolt_rght_stand_off_10	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 10 (Length, inches)			
bolt_rght_stand_off_11	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 12 (Length, inches)			
bolt_rght_stand_off_12	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt RH 12 (Length, inches)			
bolt_lft_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut.	Stand Off Bolt LH 1 (Length, inches)			
bolt_lft_stand_off_2	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 2 (Length, inches)			
bolt_lft_stand_off_3	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 3 (Length, inches)			
bolt_lft_stand_off_4	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 4 (Length, inches)			
bolt_lft_stand_off_5	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 5 (Length, inches)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_lft_stand_off_6	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 6 (Length, inches)			
bolt_lft_stand_off_7	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 7 (Length, inches)			
bolt_lft_stand_off_8	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 8 (Length, inches)			
bolt_lft_stand_off_9	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 9 (Length, inches)			
bolt_lft_stand_off_10	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 10 (Length, inches)			
bolt_lft_stand_off_11	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 11 (Length, inches)			
bolt_lft_stand_off_12	Double	8	See bolt_lft_stand_off_1 for description	Stand Off Bolt LH 12			
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the foundation element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
fndtn_elmt_rtg_comm	String	3999	General comment for element rating	Foundation Element Comment			
fndtn_elmt_rtg_good	Integer	4	Quantity of Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rting Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Foundation Element is measured as EACH foundation.	Quantity of Foundation Element Rated Good (Each)			
fndtn_elmt_rtg_fair	Integer	4	See fndtn_elmt_rtg_good for description.	Quantity of Foundation Element Rated Fair (Each)			
fndtn_elmt_rtg_poor	Integer	4	See fndtn_elmt_rtg_good for description.	Quantity of Foundation Element Rated Poor (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_elmt_rtg_severe	Integer	4	See fndtn_elmt_rtg_good for description.	Quantity of Foundation Element Rated Severe (Each)			
bolt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the Anchor Bolts and Leveling Nuts Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
bolt_elmt_rtg_comm	String	3999	General comment for Anchor Bolts and Leveling Nuts Element rating	Anchor Bolts and Leveling Nuts Element Comment			
bolt_elmt_rtg_good	Integer	4	Quantity of Anchor Bolts and Leveling Nuts Element rated as each of the Anchor Bolts and Leveling Nuts element as measured as EACH bolt/ nut unit. Consideration should be given to projection, results of UT and sounding tests when rating this element. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Good (Each)			
bolt_elmt_rtg_fair	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Fair (Each)			
bolt_elmt_rtg_poor	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Poor (Each)			
bolt_elmt_rtg_severe	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Severe (Each)			
base_plate_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the Base Plate Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
base_plate_elmt_rtg_comm	String	3999	General comment for element rating	Base Plate Element Comment			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
base_plate_elmt_rtg_good	Integer	4	Quantity of Base Plate Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Base Plate Element is measured as EACH base plate.	Quantity of Base Plate Element Rated Good (Each)			
base_plate_elmt_rtg_fair	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Fair (Each)			
base_plate_elmt_rtg_poor	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Poor (Each)			
base_plate_elmt_rtg_severe	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Severe (Each)			
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the Vertical Support Column (Upright) Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	3999	General comment for element rating	Vertical Support Column Element (Upright) Comment			
vert_sppt_elmt_rtg_good	Integer	4	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Column Element is measured as length in inches of the vertical support element.	Quantity of Vertical Support Column Element (Upright) Rated Good (Length, feet)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
vert_sppt_elmt_rtg_fair	Integer	4	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Fair (Length, feet)			
vert_sppt_elmt_rtg_poor	Integer	4	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Poor (Length, feet)			
vert_sppt_elmt_rtg_severe	Integer	4	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Severe (Length, feet)			
vert_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the Vertical Connection Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_conn_elmt_rtg_comm	String	3999	General comment for element rating	Vertical Connection Element Comment			
vert_conn_elmt_rtg_good	Integer	4	Quantity of Vertical Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Connection Element is measured as EACH vertical connection.	Quantity of Vertical Connection Element Rated Good (Each)			
vert_conn_elmt_rtg_fair	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Connection Element Rated Fair (Each)			
vert_conn_elmt_rtg_poor	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Connection Element Rated Poor (Each)			
vert_conn_elmt_rtg_severe	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Connection Element Rated Severe (Each)			
horz_membr_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was the Vertical Connection Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
horz_membr_elmt_rtg_comm	String	3999	General comment for element rating	Horizontal Member Element Comment			
horz_membr_elmt_rtg_good	String	3999	Quantity of Vertical Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Connection Element is measured as length in inches of the Horizontal Member Element.	Quantity of Horizontal Member Element Rated Good (Length, feet)			
horz_membr_elmt_rtg_fair	Integer	4	See horz_membr_elmt_rtg_good for description.	Quantity of Horizontal Member Element Rated Fair (Length, feet)			
horz_membr_elmt_rtg_poor	Integer	4	See horz_membr_elmt_rtg_good for description.	Quantity of Horizontal Member Element Rated Poor (Length, feet)			
horz_membr_elmt_rtg_severe	Integer	4	See horz_membr_elmt_rtg_good for description.	Quantity of Horizontal Member Element Rated Severe (Length, feet)			
horz_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Were the Horizontal Connection Elements rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
horz_conn_elmt_rtg_comm	String	3999	General comment for element rating	Horizontal Connection Element Comment			
horz_conn_elmt_rtg_good	String	3999	Quantity of Horizontal Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor,	Quantity of Horizontal Connection Element rated Good (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			Severe must equal total quantity of element. Horizontal Connection Element is measured as EACH connection.				
horz_conn_elmt_rtg_fair	Double	8	See horz_conn_elmt_rtg_good for description.	Quantity of Horizontal Connection Element rated Fair (Each)			
horz_conn_elmt_rtg_poor	Double	8	See horz_conn_elmt_rtg_good for description.	Quantity of Horizontal Connection Element rated Poor (Each)			
horz_conn_elmt_rtg_severe	Double	8	See horz_conn_elmt_rtg_good for description.	Quantity of Horizontal Connection Element rated Severe (Each)			
sign_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted - Defects Identified, Rating Conducted - No Defects	Was Sign Support and Connections Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
sign_conn_elmt_rtg_comm	String	3999	General comment for element rating	Sign Support and Connections Element Comment			
sign_conn_elmt_rtg_good	Integer	4	Quantity of Sign and Sign Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Horizontal Connection Element is measured as EACH sign connection.	Quantity of Sign Support and Connections Element Rated Good (Each)			
sign_conn_elmt_rtg_fair	Integer	4	See sign_conn_elmt_rtg_good for description.	Quantity of Sign Support and Connections Element Rated Fair (Each)			
sign_conn_elmt_rtg_poor	Integer	4	See sign_conn_elmt_rtg_good for description.	Quantity of Sign Support and Connections Element Rated Poor (Each)			
sign_conn_elmt_rtg_severe	Integer	4	See sign_conn_elmt_rtg_good for description.	Quantity of Sign Support and Connections Element Rated Severe (Each)			
fndtn_cpnt_rtg_cd	Integer	4	Foundation Component Rating	Foundation Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
						2. Critical etc.	
fndtn_cpnt_comm	String	3999	Foundation Component Rating Comments	Foundation Component Rating Comments			
vert_cpnt_rtg_cd	Integer	4	Vertical Component Rating	Vertical Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
vert_cpnt_comm	String	3999	Vertical Rating Comments	Vertical Rating Comments			
horz_cpnt_rtg_cd	Integer	4	Horizontal Component Rating	Horizontal Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
horz_cpnt_comm	String	3999	Horizontal Component Rating Comments	Horizontal Component Rating Comments			
sign_strc_cpnt_rtg_cd	Integer	4	Overall calculated sign structure component rating on a zero to nine scale. Calculated as the minimum of the Foundation, Vertical, Horizontal components. Should not be displayed on the inspection form.	Component Rating (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
next_insp_freq	Double	8	Next inspection frequency. Default is 24 months if Sign Structure Type = Cantilever. Default is 48 months if Sign Structure Type = Truss, unless suggest otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default (i.e., Cantilever =24 months; Truss = 48 months).	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default (Default = 24 months if Sign Structure Type = Cantilever, default = 48 months if Sign Structure Type = Truss)	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	qc_stat_cd	QC Status (Calculated from QA/QC Related Table)	qc_stat_cdtb		
qa_stat_cd	Integer	4	qa_stat_cd	QA Status (Calculated from QA/QC Related Table)	qa_stat_cdtb		

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
num_work_rec	Integer	4	Calculated field indicating the number of Work Recommendations created as part of the inspection	Number of Work Recs			
num_rfa	Integer	4	Calculated field indicating the number of RFAs created as part of the inspection	Number of RFAs			
poor_worse_rtg			Calculated field. “Yes” if any of the elements or components are rated Poor or worse than Poor. “No” otherwise. Used for QC/QA purposes because	Poor or worse rating?			
bolt_rght_fndtn_count	Integer	4	Inspector-entered value indicating the number of bolts on the right foundation when facing in the direction of traffic. Used to validate if the correct number of UT, Sounding, and Stand-Off tests have been performed.	Bolt Count Right Foundation			
bolt_lft_fndtn_count	Integer	4	Inspector-entered value indicating the number of bolts on the left foundation when facing in the direction of traffic. Used to validate if the correct number of UT, Sounding, and Stand-Off tests have been performed.	Bolt Count Left Foundation			
bolt_lft_sound_result	String	5	Calculated field that compares bolt_lft_fndtn_count to the number of non-null Sounding Tests. “Yes” if the bolt_left_fndtn_count = count of non-null Sounding Tests for left foundation. “No” otherwise.	Sounding bolt tests complete for left foundation?			
bolt_rght_sound_result	String	5	Calculated field that compares bolt_rght_fndtn_count to the number of non-null Sounding Tests. “Yes” if the bolt_rght_fndtn_count = count of non-null Sounding Tests for right foundation. “No” otherwise.	Sounding bolt tests complete for right foundation?			
bolt_lft_ut_result	String	5	Calculated field that compares bolt_lft_fndtn_count to the number of non-null Ultrasonic Tests. “Yes” if the bolt_left_fndtn_count = count of non-null Ultrasonic Tests for left foundation. “No” otherwise.	UT test completed for all left foundation bolts?			
bolt_rght_ut_result	String	5	Calculated field that compares bolt_lft_fndtn_count to the number of non-null Ultrasonic Tests. “Yes” if the bolt_left_fndtn_count = count of non-null Ultrasonic Tests for left foundation. “No” otherwise.	UT test completed for all left foundation bolts?			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_lft_stand_off_result	String	5	Calculated field that compares bolt_lft_fndtn_count to the number of non-null Ultrasonic Tests. “Yes” if the bolt_left_fndtn_count = count of non-null Ultrasonic Tests for left foundation. “No” otherwise.	Stand-off test completed for all left foundation bolts?			
bolt_rght_ stand_off _result	String	5	Calculated field that compares bolt_lft_fndtn_count to the number of non-null Stand-off Tests. “Yes” if the bolt_left_fndtn_count = count of non-null Stand-off Tests for left foundation. “No” otherwise.	Stand-off test completed for all left foundation bolts?			
insp_complete_cd	String	255	Field for inspector to identify if the inspection is complete or in progress. Default value = “In Progress”. When complete, inspector changes to “Ready for QC”	Inspection Complete?	insp_complete_cdtb	1. In Progress 2. Ready for QC	

Spun Concrete Pole

TableName: Spun_Concrete_Pole_Inventory

DatasetType: Point layer
Table Description: Spun Concrete Pole Inventory only
AliasName: Spun Concrete Pole Inventory

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Ancillary Structure Type	Ancillary Structure Type	strc_type_cdtb	Spun Concrete Pole	Pre-populated and Inspector Verify	
strucname	String	50	Structure Name consists of concatenation of strc_num + + location	Structure Name			Auto	
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset	PR Milepoint			Auto	
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Milepoint			Auto	
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format. This value is populated with a script that uses the spatial coordinates of the point feature.	Latitude			Auto	
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format. This value is populated with a script that uses the spatial coordinates of the point feature.	Longitude			Auto	
cast_date	Date	8	Date the pole was cast	Casting Date			Office-populated	
manufacturer	String	50	Name of pole manufacturer	Manufacturer Name			Office-populated	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
fab_date	Date	8	Date pole was fabricated	Fabrication Date			Office-populated	
Pole_length	Double	8	Length of pole before installation	Pole Length			Office-populated	
num_apptn_attch	Integer	4	Number of appurtenances attached to the structure. An appurtenance is a device attached to the structure that does not constitute a rated element and is neither a camera nor a sensor (e.g., roadside unit, cell modem antenna and radio antenna). See num_cam and num_sensor for definitions of a camera and a sensor.	Number of Appurtenances			Inspector-populated	
num_cam	Integer	4	Number of cameras attached to the structure. Indicate an integer number 0-10. A camera is a device that captures images or videos. A device that is both camera and sensor would classify as a camera (i.e., video detection).	Camera attachment			Inspector-populated	
num_sensor	Integer	4	Number of sensors attached to the structure. Indicate an integer number 0-10. A sensor is a device that detects and measures changes in traffic or environment. (e.g., atmospheric sensors).	Sensor attachment			Inspector-populated	
cab_appurt_cd	Integer	4	Yes/No code indicating whether cabinet appurtenance is attached to the structure.	Cabinet attachment	Yes_no		Inspector-populated	
other_appurt1	String	400	Describe other appurtenance attached to the structure.	Other appurtenance 1			Inspector-populated	
tn_conn_cd	Integer	4	Yes/No code indicating whether tenon connector is used to attach camera at the top of vertical structure	Tenon connector	Yes_no		Inspector-populated	
stl_strp_conn_cd	Integer	4	Yes/No code indicating whether stainless steel strap connector is used to attach camera, sensor, or appurtenances to vertical structure	Stainless Steel Strap connector	Yes_no		Inspector-populated	
other_conn	String	400	Other connectors used to attach camera, sensor or appurtenances to vertical structure.	Other connector			Inspector-populated	
struc_height	Double	8	Height of the vertical structure from the ground in feet	Pole height (feet)			Pre-populate,	
pole_stbck	Double	8	Horizontal distance from the edge of the travel lane (i.e., edge of lane pavement) to the pole in feet	Pole Setback (feet)			Inspector-populated	
device_id	integer	4	Asset ID field from ITS asset management database	Device ID			Pre-populated and read-only	
device_name	String	50	Asset name field from ITS asset management database	Device Name			Pre-populated and read-only	
device_num_cd	integer	50	Device number field from ITS asset management database	Device Number	device_num_cdtb	1 to 11	Pre-populated and read-only	
cam_appurt_cd	Integer	4	Yes/No code indicating whether structure has camera lowering device	Camera Lowering Device	Yes_no		Inspector-populated	

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TableName: Spun_Concrete_Pole_Inspection

DatasetType: Point layer
Table Description: Spun Concrete Pole Inspection only
AliasName: Spun Concrete Pole Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	Insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb	Dropdowns	
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	last_edited_date			
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number Present and Legible?	Yes_no		
pole_fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Pole and Foundation Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
pole_fndtn_elmt_rtg_comm	String	3999	General comment for Pole and Foundation Element rating	Pole and Foundation Comment			
pole_fndtn_elmt_rtg_good	Double	8	Quantity of Pole and Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Pole and Foundation element is measured as length in feet of the Pole and Foundation element.	Quantity of Pole and Foundation Element Rated as Good (Length, feet)			
pole_ fndtn _elmt_rtg_fair	Double	8	See pole_fndtn_elmt_rtg_good for description.	Quantity of Pole and Foundation Element Rated as Fair (Length, feet)			

pole_ fndtn _elmt_rtg_poor	Double	8	See pole_fndtn_elmt_rtg_good for description.	Quantity of Pole and Foundation Element Rated as Poor (Length, feet)			
pole_ fndtn _elmt_rtg_severe	Double	8	See pole_fndtn_elmt_rtg_good for description.	Quantity of Pole and Foundation Element Rated as Severe (Length, feet)			
vert_struc_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Vertical Structure Connection Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_struc_conn_elmt_rtg_comm	String	3999	General comment for Vertical Structure Connections Element rating	Vertical Structure Connection Element Comment			
vert_struc_conn_elmt_rtg_good	Integer	4	Quantity of Vertical Structure Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Structure Connections Element is measured as EACH vertical connection.	Quantity of Vertical Structure Connections Element Rated Good (Each)			
vert_struc_conn_elmt_rtg_fair	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Fair (Each)			
vert_struc_conn_elmt_rtg_poor	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Poor (Each)			
vert_struc_conn_elmt_rtg_severe	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Severe (Each)			
camera_arm_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Camera and Camera Arm Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
camera_arm_elmt_rtg_comm	String	3999	General comment for Camera and Camera Arm Element rating	Camera and Camera Arm Element Comment			
camera_arm_elmt_rtg_good	Integer	4	Quantity of Camera and Camera Arm Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Luminaire and Luminaire Arm Element is measured as EACH set of Luminaire and Luminaire Arm.	Quantity of Camera and Camera Arm Element Rated Good (Each)			

camera_arm_elmt_rtg_fair	Integer	4	See camera_arm_elmt_rtg_good for description.	Quantity of Camera and Camera Arm Element Rated Fair (Each)			
camera_arm_elmt_rtg_poor	Integer	4	See camera_arm_elmt_rtg_good for description.	Quantity of Camera and Camera Arm Element Rated Poor (Each)			
camera_arm_elmt_rtg_severe	Integer	4	See camera_arm_elmt_rtg_good for description.	Quantity of Camera and Camera Arm Element Rated Severe (Each)			
vert_struc_cpnt_rtg_cd	Integer	4	Vertical Structure Component Rating	Vertical Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
vert_struc_cpnt_comm	String	3999	Vertical Structure Component Rating Comments	Vertical Structure Component Rating Comments			
next_insp_freq	Double	8	Next inspection frequency. Default 48 months unless suggested otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=48 months.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default=48 months.	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
rcmmnd_cd	Integer	4	New Construction Inspection Status	Recommendation Status	rcmmnd_cdtb	1. Recommend for acceptance 2. Not Recommended for acceptance	Field is only visible when Inspection Type is "New Construction"

Embedded Pole and Steel Strain Pole

TableName: Embedded_Strain_Pole_Inventory

DatasetType: Point layer
Table Description: Embedded Poles and Steel Strain Poles Inventory
AliasName: Embedded Strain Pole Inventory

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Structure Type	Ancillary Structure Type	strc_type_cdtb	Embedded Pole Steel Strain Pole	Office-populated	
strucname	String	50	For Embedded Pole, Structure Name consists of concatenation of strc_num + sppt_matl_type_cd + location. For Steel Strain Pole, Structure Name consists of strc_num + location	Structure Name			Auto	

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset	PR Milepoint			Auto	
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Milepoint			Auto	
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format. This value is populated with a script that uses the spatial coordinates of the point feature.	Latitude			Auto	
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format. This value is populated with a script that uses the spatial coordinates of the point feature.	Longitude			Auto	
sppt_matl_type_cd	Integer	4	Steel or wood	Support Material Type	sppt_matl_type_cdtb	Steel Wood	Pre-populate, Inspector Verify	
manufacturer	String	50	Name of pole manufacturer	Manufacturer Name			Office-populated	
fab_date	Date	8	Date pole was fabricated	Fabrication Date			Office-populated	
sppt_matl_coat_cd	Integer	4	Support Material Coating - Galvanized or painted	Support Material Coating	sppt_matl_coat_cdtb	Galvanized Painted Other	Pre-populate, Inspector Verify	
num_apptn_attch	Integer	4	Number of appurtenances attached to any component of the structure. An appurtenance is a device attached to the structure that does not constitute a rated element and is neither a camera nor a sensor (e.g., roadside unit, cell modem antenna and radio antenna). See cam_appurt_cd and sns_appurt_cd for definitions of a camera and a sensor.	Number of Appurtenances			Inspector-populated	
spnwr_appurt_cd	Integer	4	Yes/No code indicating whether span wire is attached to the structure	Span wire attachment	Yes_no		Inspector-populated	
pedcross_appurt_cd	Integer	4	Yes/No code indicating whether pedestrian crossing signal is attached to the structure	Pedestrian Crossing attachment	Yes_no		Inspector-populated	
cam_appurt_cd	Integer	4	Yes/No code indicating whether camera is attached to the structure. A camera is a device that captures images or videos. A device that is both camera and sensor would classify as a camera (i.e., video detection).	Camera attachment	Yes_no		Inspector-populated	
sns_appurt_cd	Integer	4	Yes/No code indicating whether sensor is attached to the structure. A sensor is a device that detects and measures changes in traffic or environment. (e.g., atmospheric sensors).	Sensor attachment	Yes_no		Inspector-populated	
cab_appurt_cd	Integer	4	Yes/No code indicating whether cabinet appurtenance is attached to the structure	Cabinet attachment	Yes_no		Inspector-populated	
other_appurt1	String	400	Other appurtenance attached to the structure not listed	Other appurtenance 1			Inspector-populated	
struc_height	Double	8	Height of the vertical structure from the top of the base in feet	Pole height (feet)			Pre-populate, Inspector Verify	
embed_mat_cd	Integer	4	Type of embedment material	Embedment material	embed_mat_cdtb	Soil Concrete Asphalt Brick	Pre-populate, Inspector Verify	Hide field in field map when Ancillary Structure Type is not Embedded Pole
pole_stbck	Double	8	Horizontal distance from the edge of the travel lane to the pole in feet	Pole Setback (feet)			Pre-populate, Inspector Verify	

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
span_type_cd	Integer	4	Type of span	Span type	span_type_cdtb	Box span Single span Other	Inspector-populated	
span_length1	Double	8	Length of span element 1 from vertical structure connection in feet	Span length (feet)			Inspector-populated	
span_length2	Double	8	Length of span element 2 from vertical structure connection in feet	Span length (feet)			Inspector-populated	
span_length3	Double	8	Length of span element 3 from vertical structure connection in feet	Span length (feet)			Inspector-populated	
anchor_wire_guy_cd	Integer	4	Yes/No code indicating whether structure is supported by anchor wire/guys	Anchor wire/guys	Yes_no		Inspector-populated	
luminaire_num	Integer	4	Number of luminaires	Luminaire quantity			Inspector-populated	
Luminaire_arm_num	Integer	4	Number of luminaire arms				Inspector-populated	
Luminaire_horz_arm_lgth	Double	8	Length of the horizontal luminaire arm in feet	Luminaire Arm Length (feet)			Inspector-populated	
Luminaire_arm_type_cd	Integer	4	Type of luminaire arm; single or truss bracket.	Luminaire Arm Type	arm_type_cdtb	Single Truss Bracket	Inspector-populated	
pl_fdtn_type_cd	Integer	4	Number of anchor bolts in concrete foundation; 4 anchor bolts or 6 anchor bolts	Foundation type	fdtn_type_cdtb	4 anchor bolts 6 anchor bolts	Inspector-populated	Hide field in field map when Ancilliary Structure Type is not Steel Strain Pole
sect_type_cd	Integer	4	Pole cross-section type	Pole cross-section	surf_type_cdtb	Multi-sided Round	Inspector-populated	
num_multiside	Integer	4	Number of sides if pole cross-section is multisided	Number of pole sides			Inspector-populated	
guy_tmbl_conn_cd	Integer	4	Yes/No code indicating whether guy thimble connector is used to attach appurtenances to vertical structure	Guy thimble connector	Yes_no		Inspector-populated	
bnd_clmp_conn_cd	Integer	4	Yes/No code indicating whether band clamp connector is used to attach appurtenances to vertical structure	Band clamp connector	Yes_no		Inspector-populated	
stl_strp_conn_cd	Integer	4	Yes/No code indicating whether stainless steel strap connector is used to attach appurtenances to vertical structure	Stainless Steel Strap connector	Yes_no		Inspector-populated	
other_conn	String	50	Other connectors used to attach appurtenances to vertical structure	Other connector			Inspector-populated	
sgnal_cs	String	5	Field from Signal Inventory data (SafeStat) identifying control section of the structure	Signal Control Section			Office-populated	
sgnal_cs_spt	String	9	Field from Signal Inventory data (SafeStat) identifying control section spot of the structure	Signal Control Section Spot			Office-populated	
device_id	integer	4	Asset ID (Spot No. for embedded pole) field from ITS asset management database	Device ID			Office-populated	
device_num	integer	4	Device number field from ITS asset management database	Device Number	device_num_cdtb	1 to 11	Office-populated	
device_name	String	50	Asset name field from ITS asset management database	Device Name			Pre-populated and read-only	

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TableName: Embedded_Strain_Pole_Inspection

DatasetType: Point layer
Table Description: Embedded Poles and Steel Strain Poles Inspection
AliasName: Embeded Strain Pole Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
strc_type_cd	Integer	4	Structure Type	Ancillary Structure Type	strc_type_cdtb	Embedded Pole Steel-Strain Pole	strc_type_cd
strc_type_cd	Integer	4	Structure Type	Ancillary Structure Type	strc_type_cdtb	Embedded Pole Steel Strain Pole	Same as field in Embedded_Strain_Pole_Inventory
sppt_matl_type_cd	Integer	4	Steel or wood	Support Material Type	sppt_matl_type_cdtb	Steel Wood	Same as field in Embedded_Strain_Pole_Inventory
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type		1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb		
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	last_edited_date			
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number	Yes_no		

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
				Present and Legible?			
bolt_tight_1_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 1	Yes_no	1. Pass 2. Fail"	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_tight_2_cd	Integer	4	See bolt_tight_1_cd for description	Tightened Bolt 2	Yes_no	See bolt_tight_1_cd for options	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_tight_3_cd	Integer	4	See bolt_tight_1_cd for description	Tightened Bolt 3	Yes_no	See bolt_tight_1_cd for options	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_tight_4_cd	Integer	4	See bolt_tight_1_cd for description	Tightened Bolt 4	Yes_no	See bolt_tight_1_cd for options	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_tight_5_cd	Integer	4	See bolt_tight_1_cd for description	Tightened Bolt 5	Yes_no	See bolt_tight_1_cd for options	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_tight_6_cd	Integer	4	See bolt_tight_1_cd for description	Tightened Bolt 6	Yes_no	See bolt_tight_1_cd for options	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut.	Stand Off Bolt 1 (Length, inches)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_stand_off_2	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 2 (Length, inches)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_stand_off_3	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 3 (Length, inches)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_stand_off_4	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 4 (Length, inches)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_stand_off_5	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 5 (Length, inches)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_stand_off_6	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 6 (Length, inches)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Concrete Foundation Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
fndtn_elmt_rtg_comm	String	3999	General comment for Foundation Element	Concrete Foundation Element comment			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
fndtn_elmt_rtg_good	Integer	8	Quantity of Concrete Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Concrete foundation Element is measured as EACH concrete foundation.	Concrete Foundation Element rated Good (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
fndtn_elmt_rtg_fair	Integer	8	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Fair (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
fndtn_elmt_rtg_poor	Integer	8	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Poor (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
fndtn_elmt_rtg_severe	Integer	8	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Severe (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Anchor Bolts and Leveling Nuts Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_elmt_rtg_comm	String	3999	General comment for Anchor Bolts and Leveling Nuts Element rating	Anchor Bolts and Leveling Nuts Element Comment			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_elmt_rtg_good	Integer	4	Quantity of Anchor Bolts and Leveling Nuts Element rated as each of the Anchor Bolts and Leveling Nuts element as measured as EACH bolt/ nut unit. Consideration should be given to projection, results of tightening tests when rating this element. There are four columns to capture the	Quantity of Anchor Bolts and Leveling Nuts Element Rated Good (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element.				
bolt_elmt_rtg_fair	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Fair (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_elmt_rtg_poor	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Poor (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
bolt_elmt_rtg_severe	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Severe (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
base_plate_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Base Plate Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
base_plate_elmt_rtg_comm	String	3999	General comment for Base Plate Element rating	Base Plate Element Comment			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
base_plate_elmt_rtg_good	Integer	4	Quantity of Base Plate Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Base Plate Element is measured as EACH base plate.	Quantity of Base Plate Element Rated Good (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
base_plate_elmt_rtg_fair	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Fair (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
base_plate_elmt_rtg_poor	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Poor (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
base_plate_elmt_rtg_severe	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Severe (Each)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Vertical Support Column (Upright) Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
vert_sppt_elmt_rtg_comm	String	3999	General comment for Vertical Support Column Element (Upright) element rating	Vertical Support Column (Upright) Element Comment			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
vert_sppt_elmt_rtg_good	Double	8	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Column Element is measured as length in feet of the vertical support column.	Quantity of Vertical Support Column (Upright) Element Rated Good (Length, feet)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
vert_sppt_elmt_rtg_fair	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Fair (Length, feet)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
vert_sppt_elmt_rtg_poor	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
				Rated Poor (Length, feet)			
vert_sppt_elmt_rtg_severe	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Severe (Length, feet)			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
pole_embed_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Pole and Embedment rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	Hide field in field map when Ancillary Structure Type is not Embedded Pole
pole_embed_elmt_rtg_comm	String	3999	General comment for Pole and Embedment Element rating	Pole and Embedment Comment			Hide field in field map when Ancillary Structure Type is not Embedded Pole
pole_embed_elmt_rtg_good	Double	8	Quantity of Pole and Embedment Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Pole and Embedment element is measured as length in feet of the Pole and Embedment element.	Quantity of Pole and Embedment Element Rated as Good (Length, feet)			Hide field in field map when Ancillary Structure Type is not Embedded Pole
pole_embed_elmt_rtg_fair	Double	8	See pole_embed_elmt_rtg_good for description.	Quantity of Pole and Embedment Element Rated as Fair (Length, feet)			Hide field in field map when Ancillary Structure Type is not Embedded Pole
pole_embed_elmt_rtg_poor	Double	8	See pole_embed_elmt_rtg_good for description.	Quantity of Pole and Embedment Element Rated as Poor (Length, feet)			Hide field in field map when Ancillary Structure Type is not Embedded Pole
pole_embed_elmt_rtg_severe	Double	8	See pole_embed_elmt_rtg_good for description.	Quantity of Pole and Embedment Element Rated as Severe (Length, feet)			Hide field in field map when Ancillary Structure Type is not Embedded Pole

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
anchor_wire_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Anchor Wire Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	Hide field in field map when Ancillary Structure Type is not Embedded Pole
anchor_wire_elmt_rtg_comm	String	3999	General comment for Anchor Wire Element rating	Anchor Wire Element Comment			Hide field in field map when Ancillary Structure Type is not Embedded Pole
anchor_wire_elmt_rtg_good	Integer	4	Quantity of Anchor Wire Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Anchor Wire element is measured as EACH anchor wire.	Quantity of Anchor Wire Element Rated Good (Each)			Hide field in field map when Ancillary Structure Type is not Embedded Pole
anchor_wire_elmt_rtg_fair	Integer	4	See anchor_wire_elmt_rtg_good for description.	Quantity of Anchor Wire Element Rated Fair (Each)			Hide field in field map when Ancillary Structure Type is not Embedded Pole
anchor_wire_elmt_rtg_poor	Integer	4	See anchor_wire_elmt_rtg_good for description.	Quantity of Anchor Wire Element Rated Poor (Each)			Hide field in field map when Ancillary Structure Type is not Embedded Pole
anchor_wire_elmt_rtg_severe	Integer	4	See anchor_wire_elmt_rtg_good for description.	Quantity of Anchor Wire Element Rated Severe (Each)			Hide field in field map when Ancillary Structure Type is not Embedded Pole
vert_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Vertical Structure Connections Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_conn_elmt_rtg_comm	String	3999	General comment for Vertical Structure Connections Element rating	Vertical Structure Connections Element Comment			
vert_conn_elmt_rtg_good	Integer	4	Quantity of Vertical Structure Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each	Quantity of Vertical Structure Connections			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Structure Connections Element is measured as EACH vertical connection.	Element Rated Good (Each)			
vert_conn_elmt_rtg_fair	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Fair (Each)			
vert_conn_elmt_rtg_poor	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Poor (Each)			
vert_conn_elmt_rtg_severe	Integer	4	See vert_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Severe (Each)			
span_wire_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Span Wire Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
span_wire_elmt_rtg_comm	String	3999	General comment for Span Wire Element rating	Span Wire Element Comment			
span_wire_elmt_rtg_good	Integer	4	Quantity of Span Wire Element rated as each of the Good/Fair/Poor/Severe rating options.There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Span Wire Element is measured as EACH Span Wire.	Quantity of Span Wire Element Rated Good (Each)			
span_wire_elmt_rtg_fair	Integer	4	See span_wire_elmt_rtg_good for description.	Quantity of Span Wire			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
				Element Rated Fair (Each)			
span_wire_elmt_rtg_poor	Integer	4	See span_wire_elmt_rtg_good for description.	Quantity of Span Wire Element Rated Poor (Each)			
span_wire_elmt_rtg_severe	Integer	4	See span_wire_elmt_rtg_good for description.	Quantity of Span Wire Element Rated Severe (Each)			
span_wire_att_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Span Wire Attachment Connections Elements rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
span_wire_conn_elmt_rtg_comm	String	3999	General comment for Span Wire Attachment Connections Element rating	Span Wire Attachment Connections Element Comment			
span_wire_conn_elemt_rtg_good	String	4	Quantity of Span Wire Attachment Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Span Wire Attachment Connections Element is measured as EACH Span Wire Attachment Connection.	Quantity of Span Wire Attachment Connections Element rated Good (Each)			
span_wire_conn_elemt_rtg_fair	Integer	4	See span_wire_att_conn_elmt_rtg_good for description.	Quantity of Span Wire Attachment Connections Element rated Fair (Each)			
span_wire_conn_elemt_rtg_poor	Integer	4	See span_wire_att_conn_elmt_rtg_good for description.	Quantity of Span Wire Attachment Connections Element rated Poor (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
span_wire_att_conn_elemt_rtg_severe	Integer	4	See span_wire_att_conn_elmt_rtg_good for description.	Quantity of Span Wire Attachment Connections Element rated Severe (Each)			
lmre_arm_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Luminaire and Luminaire Arm Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
lmre_arm_elmt_rtg_comm	String	3999	General comment for Luminaire and Luminaire Arm Element rating	Luminaire and Luminaire Arm Element Comment			
lmre_arm_elmt_rtg_good	Integer	4	Quantity of Luminaire and Luminaire Arm Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Luminaire and Luminaire Arm Element is measured as EACH set of Luminaire and Luminaire Arm.	Quantity of Luminaire and Luminaire Arm Element Rated Good (Each)			
lmre_arm_elmt_rtg_fair	Integer	4	See lmre_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element Rated Fair (Each)			
lmre_arm_elmt_rtg_poor	Integer	4	See lmre_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element Rated Poor (Each)			
lmre_arm_elmt_rtg_severe	Integer	4	See lmre_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
				Rated Severe (Each)			
fndtn_cpnt_rtg_cd	Integer	4	Foundation Component Rating	Foundation Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
fndtn_cpnt_comm	String	3999	Foundation Component Rating Comments	Foundation Component Rating Comments			Hide field in field map when Ancillary Structure Type is not Steel Strain Pole
vert_struc_cpnt_rtg_cd	Integer	4	Vertical Structure Component Rating	Vertical Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
vert_struc_cpnt_comm	String	3999	Vertical Structure Component Rating Comments	Vertical Structure Component Rating Comments			
horz_struc_cpnt_rtg_cd	Integer	4	Horizontal Structure Component Rating	Horizontal Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
horz_struc_cpnt_comm	String	3999	Horizontal Structure Component Rating Comments	Horizontal Structure Component Rating Comments			
pole_strc_cpnt_rtg_cd	Integer	4	Overall calculated embedded component rating on a zero to nine scale. Calculated as the minimum of Foundation, Vertical Structure, and Horizontal Structure components. Should not be displayed on the inspection form.	Component Rating (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
next_insp_freq	Double	8	Next inspection frequency. Default 48 months if Ancillary Structure Type is Steel Strain Pole or Ancillary Structure Type is Embedded Pole and Support Material Type is Wood. Default is 24 months if Ancillary Structure Type is Embedded Pole and Support Material Type is Steel unless suggested otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default. (Default = 48 months if Ancillary Structure Type is Steel Strain Pole or	Justification Comment for Next			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			Ancillary Structure Type is Embedded Pole and Support Material Type is Wood. Default = 24 months if Ancillary Structure Type is Embedded Pole and Support Material Type is Steel).	Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
misc_elmnt_rtg_status_cd	Integer	4		Was the Miscellaneous Arm, Bracket, and Attachment Element rated?		1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted 4. Element Partially Rated	
misc_elmnt_rtg_comm	String	3000	General comment for Arm, Bracket and Attachment Element	Miscellaneous Arm, Bracket, and Attachment Element Comment			
misc_elmnt_rtg_good	Integer	4	Quantity of Mast Arm, Bracket, and Attachment Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Mast Arm Attachment Connection Element is measured as EACH mast arm attachment connection.	Quantity of Miscellaneous Arm, Bracket, and Attachment Element Rated Good (Each)			
misc_elmnt_rtg_fair	Integer	4	See misc_elmnt_rtg_good for description.	Quantity of Miscellaneous Arm, Bracket, and Attachment Element Rated Fair (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
misc_elmnt_rtg_poor	Integer	4	See misc_elmnt_rtg_good for description.	Quantity of Miscellaneous Arm, Bracket, and Attachment Element Rated Poor (Each)			
misc_elmnt_rtg_severe	Integer	4	See misc_elmnt_rtg_good for description.	Quantity of Miscellaneous Arm, Bracket, and Attachment Element Rated Severe (Each)			

Noise Wall

TableName: Noise_Wall_Inventory

DatasetType: Line layer
Table Description: Noise Wall Inventory only
AliasName: Noise Wall Inventory

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Ancillary Structure Type	Structure Type	strc_type_cdtb	Noise wall	Pre-populate, Inspector Verify	
strucname	String	50	Structure Name consists of concatenation of strc_num + strc_type_cd + panel_mat_cd + location	Structure Name			Auto	
old_wall_id	String	30	Old Wall ID from older inventory	Old Wall ID			Pre-populate	
wall_max_hgt	Double	8	Maximum height of the exposed wall in feet	Wall Max Height Exposed (feet)			Pre-populate, Inspector Verify	
wall_min_hgt	Double	8	Minimum height of the exposed wall in feet	Wall Min Height Exposed (feet)			Pre-populate, Inspector Verify	
wall_ave_hgt	Double	8	Average height of the exposed wall in feet	Wall Ave Height Exposed (feet)			Pre-populate, Inspector Verify	
num_pnl	Integer	4	Record of number of panels	Number of Panels			Office-populated	
wall_lgth	Double	8	Wall Length (feet) measured in the field	Wall Length (feet)			Pre-populate, Inspector Verify	
pr_mp_begin	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the beginning of the asset.	PR Milepoint Begin			Auto	
pr_end	String	14	PR end is the Physical Road ID at the end of the wall A Physical Road ID Number is a part of a common linear referencing system used statewide to uniquely identify any point or section of roadway within Michigan's transportation network.	PR End			Auto	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
			The PR is a unique value given to a section of roadway, this can then be followed by an exact mile point in order to pinpoint a location or a beginning mile point (BMP) and ending mile point (EMP) can be listed to identify a section of roadway					
pr_mp_end	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the end of the asset.	PR Milepoint End			Auto	
cs_mp_begin	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the beginning of the asset.	CS Milepoint Begin			Auto	
cs_end	String	5	CS End is the control section at the end of the wall A Control Section is a number assigned to a section of state trunkline that includes the mainline segments as well as any ramps or other facilities associated with that section. The first two digits represent the county in which the control section is located. The asset CS is determined based on the PR and PR MP.	CS End			Auto	
cs_branch_end_cd	String	2	CS Branch identifies the function of the Control Section Feature. 01 – 09 Forward CS mainline 11 – 20 Reverse CS mainline 51 Cutoff, connector, or remainders Prefix the UNID with N (e.g. N01A) 52 MDOT Construction Remainders (Reassigned to another branch) 53 Jurisdictional Transfer Remainders (Reassigned to another branch) 54 Segments on trunkline roundabouts between local roads UNID will be the roundabout ID followed by a letter (e.g. 001A) 58 Roadside parks and non-limited access rest areas and weigh stations Prefix the UNID with R (rest area) or W (weigh station) followed by the Park/Stetion number and A-Z (e.g. R01A or W01A) 59 At-grade non-limited access ramps Prefix the UNID with N (e.g. N01A) 61/62 Forward/reverse service drives 63/64 Forward/reverse service drives 65/66 Forward/reverse collector-distributors Where a MALI ramp ID is not assigned to branch 61 to 66, a UNID with a prefix 9, ramp number, and endings of Y/Z are assigned for the pair (e.g. 901Y/901Z) 71 Boulevard directional turnarounds with a UNID prefix of C (C001) 72 Limited access freeway crossovers with a UNID prefix of C (C002)	CS Branch End			Auto	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
			73 Overpass turnarounds with a UNID prefix of C (C003) 82 Non-mainline trunkline segments at the beginning or end of a CS (Reassigned to another branch) 83 Unusual non-Sufficiency rated CS mainline segments (Reassigned to another branch) 96 MDOT maintenance garage 97 Weigh stations 98 Rest areas and limited access welcome centers 99 Limited access ramps					
cs_lrmkey_end	String	11	CS LRM Key is a concatenation of CS and CS Branch and uniquely identifies a roadway segment on the Control Section network	CS LRM Key End			Auto	
cs_mp_end	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the end of the asset.	CS Milepoint End			Auto	
precise_lat_wall_start	Double	8	To be calculated from line. Precise latitude value in DDDDDD.dddd format of the start of the wall.	Latitude			Auto	
precise_lon_wall_start	Double	8	To be calculated from line. Precise longitude value in DDDDDD.dddd format of the start of the wall.	Longitude			Auto	
precise_lat_wall_end	Double	8	To be calculated from line. Precise latitude value in DDDDDD.dddd format of the end of the wall.	Latitude			Auto	
precise_lon_wall_end	Double	8	To be calculated from line. Precise longitude value in DDDDDD.dddd format of the end of the wall.	Longitude			Auto	
fac_mat_cd	Integer	4	Yes/No code indicating whether wall has a sound-absorbing material.	Sound Absorbing Material	Yes_no		Inspector-populated	
post_spac	Double	8	Horizontal distance between two posts in decimal feet	Post Spacing (feet)			Inspector-populated	
noisewall_type_cd	Integer	4	Type of Noise Wall	Noise Wall Type	noisewall_type_cd	1 Concrete Post and Panel 2 T Wall 3 H Wall 4 Earth Berm 5 Block 6 Brick Inlay 7 Bench Wall 8 Wood/Conc/ Fiberglass 9 Steel 10 Precast Panel 11 Vinyl Panel	Inspector	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
						12 Conc CIP 98 Unknown 99 Other 100 N/A		
joint_spac	Double	8	Width of ```panels in feet	Panel Width (feet)			Inspector-populated	
panel_mat_cd	Integer	4	Typical material used in building the panel	Panel Material	panel_mat_cdtb	Steel Concrete Concrete Blocks Precast Concrete Clay Bricks Masonry Units Wood Earth Berms Sheet Pile Sea Wall Other	Pre-populate, Inspector Verify	
cap_mat_cd	Integer	4	Typical material used in building noise wall cap	Cap Material	cap_mat_cdtb	Steel Concrete Concrete Blocks Precast Concrete Clay Bricks Masonry Units Limestone Wood Not Applicable Other	Pre-populate, Inspector Verify	
post_mat_cd	Integer	4	Typical material used in building the post	Post Material	post_mat_cdtb	Steel Concrete Precast Concrete Clay Bricks Masonry Units Wood Earth Berms Other None	Pre-populate, Inspector Verify	
attch_struc_cd	Integer	4	Code indicating whether noise wall is attached to a bridge or mounted on a structure	Structure Attachment	Yes_no		Inspector-populated	
msnry_wall_type_cd	Integer	4	Type of MDOT masonry wall	Masonry Wall Type	msnry_wall_type_cdtb	T-type H-type	Inspector-populated	Should be visible only

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
						Other		when Panel Material is Masonry Units
other_attch_cd	Integer	4	Type of other structures attached to the noise wall	Other Structure Attachment	other_attch_cdtb	Bench Bench with concrete cap Crash barrier	Inspector-populated	

TableName: Noise_Wall_Inspection

DatasetType: Line layer
Table Description: Noise Wall Inspection only
AliasName: Noise Wall Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	Insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb		
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	last_edited_date			
wall_face_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Wall Facing Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Wall Facing Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
wall_face_elmt_rtg_comm	String	3999	General comment for Wall Facing Element rating	Wall Facing Element comment			
wall_face_elmt_rtg_good	Double	8	Quantity of Wall Facing Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Wall Facing Element is measured as area in square feet of the wall facing element.	Wall Facing Element rated Good (Area, square feet)			

wall_face_elmt_rtg_fair	Double	8	See wall_face_elmt_rtg_good for description	Wall Facing Element rated Fair (Area, square feet)			
wall_face_elmt_rtg_poor	Double	8	See wall_face_elmt_rtg_good for description	Wall Facing Element rated Poor (Area, square feet)			
wall_face_elmt_rtg_severe	Double	8	See wall_face_elmt_rtg_good for description	Wall Facing Element rated Severe (Area, square feet)			
wall_cap_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Wall Cap Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Wall Cap Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
wall_cap_elmt_rtg_comm	String	3999	General comment for Wall Cap Facing Element rating	Wall Cap Element comment			
wall_cap_elmt_rtg_good	Double	8	Quantity of Wall Cap Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Wall Cap Element is measured as length in feet of the wall cap element.	Wall Cap Element rated Good (Length, feet)			
wall_cap_elmt_rtg_fair	Double	8	See wall_cap_elmt_rtg_good for description	Wall Cap Element rated Fair (Length, feet)			
wall_cap_elmt_rtg_poor	Double	8	See wall_cap_elmt_rtg_good for description	Wall Cap Element rated Poor (Length, feet)			
wall_cap_elmt_rtg_severe	Double	8	See wall_cap_elmt_rtg_good for description	Wall Cap Element rated Severe (Length, feet)			
vert_sppt _elmt_rtg_stat_cd	Integer	4	Status field indicating whether or not the Vertical Support Column Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Vertical Support Column Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	3999	General comment for Vertical Support Column Element rating	Vertical Support Column Element comment			
vert_sppt_elmt_rtg_good	Integer	4	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Column Element is measured as EACH vertical support column.	Vertical Support Column Element rated Good (Each)			
vert_sppt_elmt_rtg_fair	Integer	4	See vert_sppt_elmt_rtg_good for description	Vertical Support Column Element rated Fair (Each)			
vert_sppt_elmt_rtg_poor	Integer	4	See vert_sppt_elmt_rtg_good for description	Vertical Support Column Element rated Poor (Each)			
vert_sppt_elmt_rtg_severe	Integer	4	See vert_sppt_elmt_rtg_good for description	Vertical Support Column Element rated Severe (Each)			
horz_mmbr_elmt_rtg_stat_cd	Integer	4	Status field indicating whether or not the Horizontal Member Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Horizontal Member Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	

horz_mmbr_elmt_rtg_comm	String	3999	General comment for Horizontal Member Element rating	Horizontal Member Element comment			
horz_mmbr_elmt_rtg_good	Double	8	Quantity of Horizontal Member Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Horizontal Member Element is measured as length in feet of the horizontal member element.	Horizontal Member Element rated Good (Length, feet)			
horz_mmbr_elmt_rtg_fair	Double	8	See horz_mmbr_elmt_rtg_good for description	Horizontal Member Element rated Fair (Length, feet)			
horz_mmbr_elmt_rtg_poor	Double	8	See horz_mmbr_elmt_rtg_good for description	Horizontal Member Element rated Poor (Length, feet)			
horz_mmbr_elmt_rtg_severe	Double	8	See horz_mmbr_elmt_rtg_good for description	Horizontal Member Element rated Severe (Length, feet)			
joint_elmt_rtg_stat_cd	Integer	4	Status field indicating whether or not the Joints Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Joints Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
joint_elmt_rtg_comm	String	3999	General comment for Joints Element rating	Joints Element comment			
joint_elmt_rtg_good	Double	8	Quantity of Joints Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Joints Element is measured as length in feet of the joint element.	Joints Element rated Good (Each)			
joint_elmt_rtg_fair	Double	8	See joint_elmt_rtg_good for description	Joints Element rated Fair (Each)			
joint_elmt_rtg_poor	Double	8	See joint_elmt_rtg_good for description	Joints Element rated Poor (Each)			
joint_elmt_rtg_severe	Double	8	See joint_elmt_rtg_good for description	Joints Element rated Severe (Each)			
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Foundation Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
fndtn_elmt_rtg_comm	String	3999	General comment for Foundation Element rating	Foundation Element comment			
fndtn_elmt_rtg_good	Double	8	Quantity of Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Foundation Element is measured as length in feet of the foundation element.	Foundation Element rated Good (Length, feet)			
fndtn_elmt_rtg_fair	Double	8	See fndtn_elmt_rtg_good for description	Foundation Element rated Fair (Length, feet)			

fndtn_elmt_rtg_poor	Double	8	See fndtn_elmt_rtg_good for description	Foundation Element rated Poor (Length, feet)			
fndtn_elmt_rtg_severe	Double	8	See fndtn_elmt_rtg_good for description	Foundation Element rated Severe (Length, feet)			
attchmnt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Bridge or Structure Attachment Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Bridge or Structure Attachment Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
attchmnt_elmt_rtg_comm	String	3999	General comment for Bridge or Structure Attachment Element rating	Bridge or Structure Attachment Element comment			
attchmnt_elmt_rtg_good	Integer	4	Quantity of Bridge or Structure Attachment Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Bridge or Structure Attachment Element is measured as EACH bridge or structure attachment.	Bridge or Structure Attachment Element rated Good (Each)			
attchmnt_elmt_rtg_fair	Integer	4	See attchmnt_elmt_rtg_good for description	Bridge or Structure Attachment Element rated Fair (Each)			
attchmnt_elmt_rtg_poor	Integer	4	See attchmnt_elmt_rtg_good for description	Bridge or Structure Attachment Element rated Poor (Each)			
attchmnt_elmt_rtg_severe	Integer	4	See attchmnt_elmt_rtg_good for description	Bridge or Structure Attachment Element rated Severe (Each)			
noise_wall_struc_cpnt_rtg_cd	Integer	4	Noise Wall Structure Conditions Component Rating	Noise Wall Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
noise_wall_struc_cpnt_comm	String	3999	Noise Wall Structure Conditions Component Rating Comment	Noise Wall Structure Component Rating Comment			
next_insp_freq	Double	8	Next inspection frequency. Default 72 months unless suggest otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=72 months.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default=72 months.	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		

Mast Arm

TableName: Mast_Arm_Inventory

DatasetType: Point layer
Table Description: Mast Arm Inventory only
AliasName: Traffic Signal Inventory

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Ancillary Structure Type	Structure Type	strc_type_cdtb	Mast Arm	Inspector Verify	
arm_sppt_asset_cd			Asset supported by mast arm	Mast Arm Supported Asset	arm_sppt_asset_cdtb	1. Traffic Signal 2. Lane Control 3. Sign		
strucname	String	50	Structure Name consists of concatenation of strc_num + arm_type_cd + location	Structure Name			Auto	
job_num_built	String	12	Job Number through which the asset was constructed.	Job Number Built			Office-populated	
strc_ofst_rte_trvln	Double	8	Lateral offset of asset from edge of travel lane	Lateral Offset from Route			No procedure for measuring. Will populate from GIS. Would require a lane closure rather than shoulder closure.	
manufacturer	String	50	Name of manufacturer	Manufacturer Name			Office-populated	
fab_date	Date	8	Date structure was fabricated	Fabrication Date			Office-populated	
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset.	PR Milepoint			Auto	
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Milepoint			Auto	
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format.	Latitude			Auto	
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format.	Longitude			Auto	
struc_height	Double	8	Vertical distance from bottom of the base plate to the top of the vertical structure	Height of vertical support column (feet)			Inspector-populated	
fdtn_type	Integer	4	4 anchor bolts or 6 anchor bolts concrete foundation	Foundation type	fdtn_type_cdtb	4 anchor bolts 6 anchor bolts	Inspector-populated	
sect_type_cd	Integer	4	Pole cross-section type	Pole cross-section	surf_type_cdtb	Multi-sided Round	Inspector-populated	
num_multiside	Integer	4	Number of sides if pole cross-section is multisided	Number of pole sides			Inspector-populated	
arm_type_cd	Integer	4	Single or truss bracket	Luminaire Arm Type		Single Truss N/A	Inspector-populated	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
num_sgnl_arm	Integer	4	Number of traffic signals attached to the arm member	Number of signals attached to arm member			Inspector-populated	
num_sgnl_upr	Integer	4	Number of traffic signals attached to the upright	Number of signals attached to upright			Inspector-populated	
num_case_sign_arm	Integer	4	Number of case signs attached to the arm member	Number of case signs attached to arm member			Inspector-populated	
num_case_sign_upr	Integer	4	Number of case signs attached to the upright	Number of case signs attached to upright			Inspector-populated	
sgnl_appurt_cd	Integer	4	Yes/No code indicating whether one or more signal heads or case signs are attached to the structure. To be automatically filled from Number of signals attached to upright, Number of case signs attached to arm member, and Number of case signs attached to upright	Signal attachment	Yes_no		Auto	
vclrunder	Double	8	Minimum Vertical Underclearance, measure in decimal feet. Measure 2 feet from edge of shoulder and add estimated height from shoulder to roadway crown.	Minimum Vertical Underclearance (feet)			Inspector can measure from shoulder and add crown distance.	
sppt_matl_coat_cd	Integer	4	Pole Material Coating - Galvanized or painted	Pole Material Coating	pl_matl_coat_cdtb	Galvanized Painted Powder coated Other	Pre-populate, Inspector Verify	
horz_arm_lgth1	Double	8	Length of the horizontal arm in decimal feet. If pole has multiple horizontal arms of different lengths, enter the length of the longest horizontal arm	Mast Arm Length 1 (Longest arm) (feet)			Office-populated. Not measured in field.	
horz_arm_lgth2	Double	8	Length of the second horizontal arm in decimal feet in clockwise direction from the longest arm if pole has multiple horizontal arms	Mast Arm Length 2 (feet)			Office-populated. Not measured in field.	
horz_arm_lgth3	Double	8	Length of the third horizontal arm in decimal feet if pole has three horizontal arms	Mast Arm Length 3 (feet)			Office-populated. Not measured in field.	
ma_category_cd	Integer	4	Category of Mast Arm (I, II, III)	Category		I II III	Office Populated	
num_arm	Integer	4	Number of arms connected to the vertical support column	Number of Arms			Inspector-populated	
arm_splice_conn_cd	Integer	4	Yes/No code indicating whether or not arm is made of multiple members joined by splice connection	Arm Splice Connection	Yes_no		Inspector-populated	
num_apptn_attch	Integer	4	Number of appurtenances in total attached to the structure. To be automatically calculated from all fields capturing number of the different signs and appurtenances. An appurtenance is a device attached to the structure that does not constitute a rated element and is neither a camera nor a sensor (e.g., roadside unit, cell	Number of Appurtenances			Auto	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
			modem antenna and radio antenna). See num_cam_upr and num_sensor for definitions of a camera and a sensor.					
num_lum_upr	Integer	4	Number of luminaires attached to the upright	Number of luminaires attached to upright			Inspector-populated	
num_lum_arm	Integer	4	Number of luminaires attached to the arm member.	Number of luminaires attached to arm member			Inspector-populated	
luminaire_num_cd	Integer	4	Yes/No code indicating whether luminaire is attached to structure. To be automatically filled from Number of luminaires attached to upright and Number of luminaires attached to arm member	Luminaire quantity	Yes_no		Auto	
num_str_sgn_upr	Integer	4	Number of street signs attached to the upright	Number of street signs attached to upright			Inspector-populated	
num_str_sgn_arm	Integer	4	Number of street signs attached to the arm member.	Number of street signs attached to arm member			Inspector-populated	
strnam_sign_cd	Integer	4	Yes/No code indicating whether street name sign is present. To be automatically filled from Number of street signs attached to upright, and Number of street signs attached to arm member	Street name sign present	Yes_no		Auto	
num_sgns_upr	Integer	4	Number of signs attached to the upright excluding case signs and street name signs	Number of other signs attached to upright			Inspector-populated	
num_ sgns_arm	Integer	4	Number of signs attached to the arm member excluding case signs	Number of other signs attached to arm member			Inspector-populated	
sgns_appurt_cd	Integer	4	Yes/No code indicating whether sign is attached to the structure excluding case signs and street signs. To be automatically filled from Number of other signs attached to upright, and Number of other signs attached to arm member	Sign attachment	Yes_no		Auto	
num_cam_upr	Integer	4	Number of cameras attached to the upright. A camera is a device that captures images or videos. A device that is both camera and sensor would classify as a camera (i.e., video detection).	Number of cameras attached to upright			Inspector-populated	
num_cam_arm	Integer	4	Number of cameras attached to the arm member. See num_cam_upr for definition of a camera.	Number of cameras attached to arm member			Inspector-populated	
cam_appurt_cd	Integer	4	Yes/No code indicating whether camera is attached to the structure. To be automatically filled from Number of cameras attached to upright, and Number of cameras attached to arm member	Camera attachment	Yes_no		Auto	
num_sns_upr	Integer	4	Number of sensors attached to the upright. A sensor is a device that detects and measures changes in traffic or environment. (e.g., atmospheric sensors).	Number of sensors attached to upright			Inspector-populated	
num_sns_arm	Integer	4	Number of sensors attached to the arm member. See num_sns_upr for definition of a sensor.	Number of sensors attached to arm member			Inspector-populated	
sns_appurt_cd	Integer	4	Yes/No code indicating whether sensor is attached to the structure. To be automatically filled from Number of sensors attached to upright, and Number of sensors attached to arm member	Sensor attachment	Yes_no		Auto	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
num_cab_upr	Integer	4	Number of cabinets attached to the upright	Number of cabinets attached to upright			Inspector-populated	
cab_appurt_cd	Integer	4	Yes/No code indicating whether cabinet is attached to the structure. To be automatically filled from Number of cabinets attached to upright, and Number of cabinets attached to arm member	Cabinet attachment	Yes_no		Auto	
other_appurt1	String	400	Other appurtenances attached to the structure not listed	Other appurtenance 1			Inspector-populated	
bnd_clmp_conn_cd	Integer	4	Yes/No code indicating whether band clamp connector is used to attach appurtenances to vertical structure	Band clamp connector	Yes_no		Inspector-populated	
stl_strp_conn_cd	Integer	4	Yes/No code indicating whether stainless steel strap connector is used to attach appurtenances to vertical structure	Stainless Steel Strap connector	Yes_no		Inspector-populated	
other_conn	String	50	Other connectors used to attach appurtenances to vertical structure	Other connector			Inspector-populated	
sgnal_cs	integer	4	Field from Signal Inventory data (SafeStat) identifying control section of the structure	Signal Control Section			Office-populated	
sgnal_cs_spt	integer	4	Field from Signal Inventory data (SafeStat) identifying control section spot of the structure	Signal Control Section Spot			Office-populated	
pole_id	string	255	Field from Traffic Signals Asset Management Database	Pole_ID				

TableName: Mast_Arm_Inspection

DatasetType: Point layer
Table Description: Mast Arm Inspection only
AliasName: Mast Arm Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb	Dropdown	
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
insp_cret_uid	String	255	User who created the inspection record in the database.	created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	last_edited_date			
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number Present and Legible?	Yes_no		
num_bolts	Integer	4	Inspector-entered value indicating the number of bolts on the foundation	Number of Bolts			
bolt_sound_1_cd	Integer	4	Result of the bolt sounding (ping) test for the foundation on the right side of the structure when facing the direction of travel: Acceptable, Dull, Loose	Sounding Bolt 1	bolt_sound_ctdb	1. Acceptable 2. Dull 3. Loose	
bolt_sound_2_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 2	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_3_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 3	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_4_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 4	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_5_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 5	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_6_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 6	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_7_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 7	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_8_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 8	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_9_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 9	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_10_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 10	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_11_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 11	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_12_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 12	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_ut_1	Integer	4	Results of the ultrasonic test for the foundation: Pass, Fail	UT Bolt 1	bolt_ut_ctdb	1. Pass 2. Fail	
bolt_ut_2	Integer	4	See bolt_ut_1 for description	UT Bolt 2	bolt_ut_ctdb	See bolt_ut_1 for options	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_ut_3	Integer	4	See bolt_ut_1 for description	UT Bolt 3	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_4	Integer	4	See bolt_ut_1 for description	UT Bolt 4	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_5	Integer	4	See bolt_ut_1 for description	UT Bolt 5	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_6	Integer	4	See bolt_ut_1 for description	UT Bolt 6	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_7	Integer	4	See bolt_ut_1 for description	UT Bolt 7	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_8	Integer	4	See bolt_ut_1 for description	UT Bolt 8	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_9	Integer	4	See bolt_ut_1 for description	UT Bolt 9	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_10	Integer	4	See bolt_ut_1 for description	UT Bolt 10	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_11	Integer	4	See bolt_ut_1 for description	UT Bolt 11	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_12	Integer	4	See bolt_ut_1 for description	UT Bolt 12	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut.	Stand Off Bolt 1 (Length, inches)			
bolt_stand_off_2	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 2 (Length, inches)			
bolt_stand_off_3	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 3 (Length, inches)			
bolt_stand_off_4	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 4 (Length, inches)			
bolt_stand_off_5	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 5 (Length, inches)			
bolt_stand_off_6	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 6 (Length, inches)			
bolt_stand_off_7	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 7 (Length, inches)			
bolt_stand_off_8	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 8 (Length, inches)			
bolt_stand_off_9	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 9 (Length, inches)			
bolt_stand_off_10	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 10 (Length, inches)			
bolt_stand_off_11	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 11 (Length, inches)			
bolt_stand_off_12	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 12 (Length, inches)			
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Concrete Foundation Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
						3. Rating Conducted	
fndtn_elmt_rtg_comm	String	3999	General comment for Foundation Element rating	Concrete Foundation Element comment			
fndtn_elmt_rtg_good	Integer	4	Quantity of Concrete Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Concrete foundation Element is measured as EACH concrete foundation.	Concrete Foundation Element rated Good (Each)			
fndtn_elmt_rtg_fair	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Fair (Each)			
fndtn_elmt_rtg_poor	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Poor (Each)			
fndtn_elmt_rtg_severe	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Severe (Each)			
bolt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Anchor Bolts and Leveling Nuts Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
bolt_elmt_rtg_comm	String	3999	General comment for Anchor Bolts and Leveling Nuts Element rating	Anchor Bolts and Leveling Nuts Element Comment			
bolt_elmt_rtg_good	Integer	4	Quantity of Anchor Bolts and Leveling Nuts Element rated as each of the Anchor Bolts and Leveling Nuts element as measured as EACH bolt/ nut unit. Consideration should be given to projection, results of UT and sounding tests when rating this element. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Good (Each)			
bolt_elmt_rtg_fair	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Fair (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_elmt_rtg_poor	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Poor (Each)			
bolt_elmt_rtg_severe	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Severe (Each)			
base_plate_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Base Plate Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
base_plate_elmt_rtg_comm	String	3999	General comment for Base Plate Element rating	Base Plate Element Comment			
base_plate_elmt_rtg_good	Integer	4	Quantity of Base Plate Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Base Plate Element is measured as EACH base plate.	Quantity of Base Plate Element Rated Good (Each)			
base_plate_elmt_rtg_fair	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Fair (Each)			
base_plate_elmt_rtg_poor	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Poor (Each)			
base_plate_elmt_rtg_severe	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Severe (Each)			
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Vertical Support Column (Upright) Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	3999	General comment for Vertical Support Column Element (Upright) element rating	Vertical Support Column (Upright) Element Comment			
vert_sppt_elmt_rtg_good	Double	8	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the	Quantity of Vertical Support			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Column Element is measured as length in feet of the vertical support column.	Column (Upright) Element Rated Good (Length, feet)			
vert_sppt_elmt_rtg_fair	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Fair (Length, feet)			
vert_sppt_elmt_rtg_poor	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Poor (Length, feet)			
vert_sppt_elmt_rtg_severe	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Severe (Length, feet)			
vert_struc_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Vertical Structure Connection Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_struc_conn_elmt_rtg_comm	String	3999	General comment for Vertical Structure Connections Element rating	Vertical Structure Connection Element Comment			
vert_struc_conn_elmt_rtg_good	Integer	4	Quantity of Vertical Structure Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Structure Connections Element is measured as EACH vertical structure connection.	Quantity of Vertical Structure Connections Element Rated Good (Each)			
vert_struc_conn_elmt_rtg_fair	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Fair (Each)			
vert_struc_conn_elmt_rtg_poor	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
				Element Rated Poor (Each)			
vert_struc_conn_elmt_rtg_severe	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Severe (Each)			
arm_mmbr_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Mast Arm Member Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
arm_mmbr_elmt_rtg_comm	String	3999	General comment for Mast Arm Member Element rating	Mast Arm Member Element Comment			
arm_mmbr_elmt_rtg_good	Double	8	Quantity of Mast Arm Member Element rated as any of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Mast Arm Member Element is measured as EACH mast arm member element.	Quantity of Mast Arm Member Element Rated Good (Each)			
arm_mmbr_elmt_rtg_fair	Double	8	See arm_mmbr_elmt_rtg_good for description.	Quantity of Mast Arm Member Element Rated Fair (Each)			
arm_mmbr_elmt_rtg_poor	Double	8	See arm_mmbr_elmt_rtg_good for description.	Quantity of Mast Arm Member Element Rated Poor (Each)			
arm_mmbr_elmt_rtg_severe	Double	8	See arm_mmbr_elmt_rtg_good for description.	Quantity of Mast Arm Member Element Rated Severe (Each)			
arm_splc_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Mast Arm Splice Connection Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
arm_splc_conn_elmt_rtg_comm	String	3999	General comment for Mast Arm Splice Connection Element rating	Mast Arm Splice Connection Element Comment			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
arm_splc_conn_elmt_rtg_good	Integer	4	Quantity of Mast Arm Splice Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Mast Arm Splice Connection Element is measured as EACH mast arm splice connection.	Quantity of Mast Arm Splice Connection Element Rated Good (Each)			
arm_splc_conn_elmt_rtg_fair	Integer	4	See arm_splc_conn_elmt_rtg_good for description.	Quantity of Mast Arm Splice Connection Element Rated Fair (Each)			
arm_splc_conn_elmt_rtg_poor	Integer	4	See arm_splc_conn_elmt_rtg_good for description.	Quantity of Mast Arm Splice Connection Element Rated Poor (Each)			
arm_splc_conn_elmt_rtg_severe	Integer	4	See arm_splc_conn_elmt_rtg_good for description.	Quantity of Mast Arm Splice Connection Element Rated Severe (Each)			
arm_attch_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Mast Arm Attachment Connection Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
arm_attch_conn_elmt_rtg_comm	String	3999	General comment for Mast Arm Attachment Connection Element rating	Mast Arm Attachment Connection Element Comment			
arm_attch_conn_elmt_rtg_good	Integer	4	Quantity of Mast Arm Attachment Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Mast Arm Attachment Connection Element is measured as EACH mast arm attachment connection.	Quantity of Mast Arm Attachment Connection Element Rated Good (Each)			
arm_attch_conn_elmt_rtg_fair	Integer	4	See arm_attch_conn_elmt_rtg_good for description.	Quantity of Mast Arm Attachment Connection Element Rated Fair (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
arm_attch_conn_elmt_rtg_poor	Integer	4	See arm_attch_conn_elmt_rtg_good for description.	Quantity of Mast Arm Attachment Connection Element Rated Poor (Each)			
arm_attch_conn_elmt_rtg_severe	Integer	4	See arm_attch_conn_elmt_rtg_good for description.	Quantity of Mast Arm Attachment Connection Element Rated Severe (Each)			
luminaire_arm_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Luminaire and Luminaire Arm Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
luminaire_arm_elmt_rtg_comm	String	3999	General comment for Luminaire and Luminaire Arm Element rating	Luminaire and Luminaire Arm Element Comment			
luminaire_arm_elmt_rtg_good	Integer	4	Quantity of Luminaire and Luminaire Arm Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Luminaire and Luminaire Arm Element is measured as EACH set of Luminaire and Luminaire Arm.	Quantity of Luminaire and Luminaire Arm Element Rated Good (Each)			
luminaire_arm_elmt_rtg_fair	Integer	4	See luminaire_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element Rated Fair (Each)			
luminaire_arm_elmt_rtg_poor	Integer	4	See luminaire_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element Rated Poor (Each)			
luminaire_arm_elmt_rtg_severe	Integer	4	See luminaire_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element Rated Severe (Each)			
fndtn_cpnt_rtg_cd	Integer	4	Foundation Component Rating	Foundation Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_cpnt_comm	String	3999	Foundation Component Rating Comments	Foundation Component Rating Comments			
vert_struc_cpnt_rtg_cd	Integer	4	Vertical Structure Component Rating	Vertical Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
vert_struc_cpnt_comm	String	3999	Vertical Structure Component Rating Comments	Vertical Structure Component Rating Comments			
horz_struc_cpnt_rtg_cd	Integer	4	Horizontal Structure Component Rating	Horizontal Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
horz_struc_cpnt_comm	String	3999	Horizontal Structure Component Rating Comments	Horizontal Structure Component Rating Comments			
t.s_mst_arm_cpnt_rtg_cd	Integer	4	Overall calculated embedded component rating on a zero to nine scale. Calculated as the minimum of Foundation, Vertical Structure, and Horizontal Structure components. Should not be displayed on the inspection form.	Component Rating (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
next_insp_freq	Double	8	Next inspection frequency. Default 48 months unless suggested otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=48 months.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default=48 months.	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
rcmmnd_cd	Integer	4	New Construction Inspection Status	Recommendation Status	rcmmnd_cdtb	1. Recommend for acceptance 2. Not Recommended for acceptance	Field is only visible when Inspection Type is “New Construction”
misc_elmnt_rtg_status_cd	Integer	4		Was the Miscellaneous Arm, Bracket, and		1. N/R - Not Applicable	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
				Attachment Element rated?		2. N/R - Not Accessible 3. Rating Conducted 4. Element Partially Rated	
misc_elmnt_rtg_comm	String	3000	General comment for Arm, Bracket and Attachment Element	Miscellaneous Arm, Bracket, and Attachment Element Comment			
misc_elmnt_rtg_good	Integer	4	Quantity of Mast Arm, Bracket, and Attachment Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Mast Arm Attachment Connection Element is measured as EACH mast arm attachment connection.	Quantity of Miscellaneous Arm, Bracket, and Attachment Element Rated Good (Each)			
misc_elmnt_rtg_fair	Integer	4	See misc_elmnt_rtg_good for description.	Quantity of Miscellaneous Arm, Bracket, and Attachment Element Rated Fair (Each)			
misc_elmnt_rtg_poor	Integer	4	See misc_elmnt_rtg_good for description.	Quantity of Miscellaneous Arm, Bracket, and Attachment Element Rated Poor (Each)			
misc_elmnt_rtg_severe	Integer	4	See misc_elmnt_rtg_good for description.	Quantity of Miscellaneous Arm, Bracket, and Attachment Element Rated Severe (Each)			

Dynamic Message Sign Support Structure

TableName: DMS_Support_Structure_Inventory

DatasetType: Point layer
Table Description: DMS Support Structure Inventory only
AliasName: DMS Support Structure Inventory

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Ancillary Structure Type	Structure Type	strc_type_cdtb		Inspector Verify	
strucname	String	50	Structure Name consists of concatenation of strc_num + location	Structure Name			Auto	
dms_type_cdtb	Integer	4	Type of DMS (i.e., number of DMS mounted on structure)	DMS Support Structure Type	dms_type_cdtb	1. Single-mounted 2. Dual mounted	Auto	
job_num_built	String	12	Job Number through which the asset was constructed.	Job Number Built			Office-populated	
manufacturer	String	50	Name of manufacturer	Manufacturer Name			Office-populated	
fab_date	Date	8	Date structure was fabricated	Fabrication Date			Office-populated	
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset.	PR Milepoint			Auto	
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Milepoint			Auto	
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format.	Latitude			Auto	
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format.	Longitude			Auto	
struc_height	Double	8	Vertical distance measured from the top of base to the top of the vertical structure	Height of Vertical Support Column (feet)			Inspector-populated	
fdtn_type	Integer	4	4 anchor bolts or 6 anchor bolts concrete foundation	Foundation Type	fdtn_type_cdtb	4 anchor bolts 6 anchor bolts 8 anchor bolts 10 anchor bolts 12 anchor bolts	Inspector-populated	
vclrunder	Double	8	Minimum Vertical Underclearance, measure in decimal feet. Measure 2 feet from edge of shoulder and add estimated height from shoulder to roadway crown.	Minimum Vertical Underclearance (feet)			Inspector can measure from shoulder and add crown distance.	
sppt_matl_coat_cd	Integer	4	Support Material Coating – Galvanized, Painted, or Powder coated	Support Material Coating	sppt_matl_coat_cdtb	Galvanized Painted Powder coated	Pre-populate, Inspector Verify	
horz_arm_lgth	Double	8	Span/length of the truss structure/arm (between vertical uprights if applicable) in feet	Arm or Truss Member Length (feet)			Office-populated. Not measured in field.	
num_apptn_attch	Integer	4	Number of appurtenances attached to the structure. An appurtenance is a device attached to the structure that does not constitute a rated element and is neither a camera nor a sensor (e.g., roadside unit, cell modem antenna and radio antenna).	Number of Appurtenances			Inspector-populated	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
appurt_attch	String	400	Description of appurtenances attached. See num_apptn_attch for definition of appurtenance.	Appurtenances attached				
licns_plt_cd	Integer	4	Yes/No code indicating whether license plate reader is attached to the structure.	License plate reader	Yes_no		Inspector-populated	
pole_stbck	Double	8	Horizontal distance from the edge of the travel lane (i.e., edge of lane pavement) to the vertical structure in feet	Pole Setback (feet)			Inspector-populated	
antn_cd	Integer	4	Yes/No code indicating the presence of antenna on the structure	Antenna attachment	Yes_no			
antn_hght	Double	8	Height of antenna measured from the ground to the top of the antenna in decimal feet	Height of antenna				
device_id	integer	4	Asset ID (Spot No. for embedded pole) field from ITS asset management database	Device ID			Office-populated	
device_name	String	50	Asset name field from ITS asset management database	Device Name			Pre-populated and read-only	

TableName: DMS_Support_Structure_Inspection

DatasetType: Point layer
Table Description: DMS Support Structure Inspection only
AliasName: DMS Support Structure Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb	Dropdown	
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	created_user			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	last_edited_date			
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number Present and Legible?	Yes_no		
bolt_sound_1_cd	Integer	4	Result of the bolt sounding (ping) test for the foundation: Acceptable, Dull, Loose	Sounding Bolt 1	bolt_sound_ctdb	1. Acceptable 2. Dull 3. Loose	
bolt_sound_2_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 2	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_3_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 3	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_4_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bol 4	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_5_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 5	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_6_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 6	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_7_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 7	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_8_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 8	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_9_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 9	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_10_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 10	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_11_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 11	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_sound_12_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 12	bolt_sound_ctdb	See bolt_sound_1_cd for options	
bolt_ut_1	Integer	4	Results of the ultrasonic test for the foundation: Pass, Fail	UT Bolt 1	bolt_ut_ctdb	1. Pass 2. Fail	
bolt_ut_2	Integer	4	See bolt_ut_1 for description	UT Bolt 2	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_3	Integer	4	See bolt_ut_1 for description	UT Bolt 3	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_4	Integer	4	See bolt_ut_1 for description	UT Bolt 4	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_5	Integer	4	See bolt_ut_1 for description	UT Bolt 5	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_6	Integer	4	See bolt_ut_1 for description	UT Bolt 6	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_7	Integer	4	See bolt_ut_1 for description	UT Bolt 7	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_8	Integer	4	See bolt_ut_1 for description	UT Bolt 8	bolt_ut_ctdb	See bolt_ut_1 for options	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_ut_9	Integer	4	See bolt_ut_1 for description	UT Bolt 9	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_10	Integer	4	See bolt_ut_1 for description	UT Bolt 10	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_11	Integer	4	See bolt_ut_1 for description	UT Bolt 11	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_ut_12	Integer	4	See bolt_ut_1 for description	UT Bolt 12	bolt_ut_ctdb	See bolt_ut_1 for options	
bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut.	Stand Off Bolt 1 (Length, inches)			
bolt_stand_off_2	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 2 (Length, inches)			
bolt_stand_off_3	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 3 (Length, inches)			
bolt_stand_off_4	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 4 (Length, inches)			
bolt_stand_off_5	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 5 (Length, inches)			
bolt_stand_off_6	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 6 (Length, inches)			
bolt_stand_off_7	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 7 (Length, inches)			
bolt_stand_off_8	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 8 (Length, inches)			
bolt_stand_off_9	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 9 (Length, inches)			
bolt_stand_off_10	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 10 (Length, inches)			
bolt_stand_off_11	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 11 (Length, inches)			
bolt_stand_off_12	Double	8	See bolt_rght_stand_off_1 for description	Stand Off Bolt 12 (Length, inches)			
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Concrete Foundation Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
fndtn_elmt_rtg_comm	String	3999	General comment for Foundation Element rating	Concrete Foundation Element comment			
fndtn_elmt_rtg_good	Integer	4	Quantity of Concrete Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted - Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Concrete foundation Element is measured as EACH concrete foundation.	Concrete Foundation Element rated Good (Each)			
fndtn_elmt_rtg_fair	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Fair (Each)			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_elmt_rtg_poor	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Poor (Each)			
fndtn_elmt_rtg_severe	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Severe (Each)			
bolt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Anchor Bolts and Leveling Nuts Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
bolt_elmt_rtg_comm	String	3999	General comment for Anchor Bolts and Leveling Nuts Element rating	Anchor Bolts and Leveling Nuts Element Comment			
bolt_elmt_rtg_good	Integer	4	Quantity of Anchor Bolts and Leveling Nuts Element rated as each of the Anchor Bolts and Leveling Nuts element as measured as EACH bolt/ nut unit. Consideration should be given to projection, results of UT and sounding tests when rating this element. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Good (Each)			
bolt_elmt_rtg_fair	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Fair (Each)			
bolt_elmt_rtg_poor	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Poor (Each)			
bolt_elmt_rtg_severe	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Severe (Each)			
base_plate_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Base Plate Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
base_plate_elmt_rtg_comm	String	3999	General comment for Base Plate Element rating	Base Plate Element Comment			
base_plate_elmt_rtg_good	Integer	4	Quantity of Base Plate Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Base Plate Element is measured as EACH base plate.	Quantity of Base Plate Element Rated Good (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
base_plate_elmt_rtg_fair	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Fair (Each)			
base_plate_elmt_rtg_poor	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Poor (Each)			
base_plate_elmt_rtg_severe	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Severe (Each)			
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Vertical Support Column (Upright) Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	3999	General comment for Vertical Support Column Element (Upright) element rating	Vertical Support Column (Upright) Element Comment			
vert_sppt_elmt_rtg_good	Double	8	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Column Element is measured as length in feet of the vertical support column.	Quantity of Vertical Support Column (Upright) Element Rated Good (Length, feet)			
vert_sppt_elmt_rtg_fair	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Fair (Length, feet)			
vert_sppt_elmt_rtg_poor	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Poor (Length, feet)			
vert_sppt_elmt_rtg_severe	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Severe (Length, feet)			
vert_struc_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was the Vertical Structure Connection Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
vert_struc_conn_elmt_rtg_comm	String	3999	General comment for Vertical Structure Connections Element rating	Vertical Structure Connection Element Comment			
vert_struc_conn_elmt_rtg_good	Integer	4	Quantity of Vertical Structure Connection Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted -	Quantity of Vertical Structure Connections Element Rated Good (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Structure Connections Element is measured as EACH vertical structure connection.				
vert_struc_conn_elmt_rtg_fair	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Fair (Each)			
vert_struc_conn_elmt_rtg_poor	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Poor (Each)			
vert_struc_conn_elmt_rtg_severe	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Severe (Each)			
arm_trss_mmbr_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Arm or Truss Member Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
arm_trss_mmbr_elmt_rtg_comm	String	3999	General comment for Arm or Truss Member Element rating	Arm or Truss Members Element Comment			
arm_trss_mmbr_elmt_rtg_good	Double	8	Quantity of Arm or Truss Members Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Arm or Truss Members Element is measured as length in feet of the arm or truss members element.	Quantity of Arm or Truss Members Element Rated Good (Length, feet)			
arm_trss_mmbr_elmt_rtg_fair	Double	8	See arm_trss_mmbr_elmt_rtg_good for description.	Quantity of Arm or Truss Members Element Rated Fair (Length, feet)			
arm_trss_mmbr_elmt_rtg_poor	Double	8	See arm_trss_mmbr_elmt_rtg_good for description.	Quantity of Arm or Truss Members Element Rated Poor (Length, feet)			
arm_trss_mmbr_elmt_rtg_severe	Double	8	See arm_trss_mmbr_elmt_rtg_good for description.	Quantity of Arm or Truss Members Element Rated Severe (Length, feet)			
horz_struc_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Horizontal Structure Connections Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
horz_struc_conn_elmt_rtg_comm	String	3999	General comment for Horizontal Structure Connection Element rating	Horizontal Structure Connection Element Comment			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
horz_struc_conn_elmt_rtg_good	Integer	4	Quantity of Horizontal Structure Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Horizontal Structure Connections Element is measured as each horizontal structure connection.	Quantity of Horizontal Structure Connection Element Rated Good (Each)			
horz_struc_conn_elmt_rtg_fair	Integer	4	See horz_struc_conn_elmt_rtg_good for description.	Quantity of Horizontal Structure Connection Element Rated Fair (Each)			
horz_struc_conn_elmt_rtg_poor	Integer	4	See horz_struc_conn_elmt_rtg_good for description.	Quantity of Horizontal Structure Connection Element Rated Poor (Each)			
horz_struc_conn_elmt_rtg_severe	Integer	4	See horz_struc_conn_elmt_rtg_good for description.	Quantity of Horizontal Structure Connection Element Rated Severe (Each)			
sgn_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Sign and Sign Connections Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not Accessible 3. Rating Conducted	
sgn_conn_elmt_rtg_comm	String	3999	General comment for Sign and Sign Connections Element rating	Sign and Sign Connections Element Comment			
sgn_conn_elmt_rtg_good	Integer	4	Quantity of Sign and Sign Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Sign and Sign Connections Element is measured as EACH sign and sign comnnections.	Quantity of Sign and Sign Connections Element Rated Good (Each)			
sgn_conn_elmt_rtg_fair	Integer	4	See sgn_conn_elmt_rtg_good for description.	Quantity of Sign and Sign Connections Element Rated Fair (Each)			
sgn_conn_elmt_rtg_poor	Integer	4	See sgn_conn_elmt_rtg_good for description.	Quantity of Sign and Sign Connections Element Rated Poor (Each)			
sgn_conn_elmt_rtg_severe	Integer	4	See sgn_conn_elmt_rtg_good for description.	Quantity of Sign and Sign Connections Element Rated Severe (Each)			
wlkwy_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated - Not Applicable, Not Rated - Not Accessible, Rating Conducted	Was Walkway and Walkway Connections Element rated?	elmt_rtg_status_cdtb	1. N/R - Not Applicable 2. N/R - Not	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
						Accessible 3. Rating Conducted	
wlkwy_conn_elmt_rtg_comm	String	3999	General comment for Walkway and Walkway Connections Element rating	Walkway and Walkway Connections Element Comment			
wlkwy_conn_elmt_rtg_good	Integer	4	Quantity of Walkway and Walkway Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted - Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Walkway and Walkway Connections Element is measured as EACH set of Luminaire and Luminaire Arm.	Quantity of Walkway and Walkway Connections Element Rated Good (Each)			
wlkwy_conn_elmt_rtg_fair	Integer	4	See wlkwy_conn_elmt_rtg_good for description.	Quantity of Walkway and Walkway Connections Element Rated Fair (Each)			
wlkwy_conn_elmt_rtg_poor	Integer	4	See wlkwy_conn_elmt_rtg_good for description.	Quantity of Walkway and Walkway Connections Element Rated Poor (Each)			
wlkwy_conn_elmt_rtg_severe	Integer	4	See wlkwy_conn_elmt_rtg_good for description.	Quantity of Walkway and Walkway Connections Element Rated Severe (Each)			
fndtn_cpnt_rtg_cd	Integer	4	Foundation Component Rating	Foundation Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
fndtn_cpnt_comm	String	3999	Foundation Component Rating Comments	Foundation Component Rating Comments			
vert_struc_cpnt_rtg_cd	Integer	4	Vertical Structure Component Rating	Vertical Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
vert_struc_cpnt_comm	String	3999	Vertical Structure Component Rating Comments	Vertical Structure Component Rating Comments			
horz_struc_cpnt_rtg_cd	Integer	4	Horizontal Structure Component Rating	Horizontal Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
horz_struc_cpnt_comm	String	3999	Horizontal Structure Component Rating Comments	Horizontal Structure Component Rating Comments			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
t.s_mst_arm_cpnt_rtg_cd	Integer	4	Overall calculated embedded component rating on a zero to nine scale. Calculated as the minimum of Foundation, Vertical Structure, and Horizontal Structure components. Should not be displayed on the inspection form.	Component Rating (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
next_insp_freq	Double	8	Next inspection frequency. Default 48 months unless suggested otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=48 months.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default=48 months.	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
rcmmnd_cd	Integer	4	New Construction Inspection Status	Recommendation Status	rcmmnd_cdtb	1. Recommend for acceptance 2. Not Recommended for acceptance	Field is only visible when Inspection Type is "New Constructio n"

Frangible and Non-Frangible Pole Structures

TableName: Frangible_and_Non-Frangible_Pole_Structure_Inventory

DatasetType: Point layer
Table Description: Frangible Pole Structure and Non-Frangible Pole Structure Inventory
AliasName: Frangible and Non-Frangible Pole Structure Inventory

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Structure Type	Ancillary Structure Type	strc_type_cdtb	Frangible Pole Structure Non Frangible Pole Structure	Office-populated	
strucname	String	50	Structure Name consists of concatenation of strc_num + sppt_matl_type_cd + location	Structure Name			Auto	
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset	PR Milepoint			Auto	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Milepoint			Auto	
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format.	Latitude			Auto	
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format.	Longitude			Auto	
manufacturer	String	50	Name of manufacturer	Manufacturer Name			Office-populated	
fab_date	Date	8	Date structure was fabricated	Fabrication Date			Office-populated	
job_num_built	String	12	Job Number through which the asset was constructed.	Job Number Built			Office-populated	
vclrunder	Double	8	Minimum Vertical Underclearance from span, measure in decimal feet. Measure 2 feet from edge of shoulder and add estimated height from shoulder to roadway crown.	Minimum Vertical Underclearance (feet)			Inspector	
sppt_matl_type_cd	Integer	4	Support Material Type	Support Material Type	sppt_matl_type_cdtb	Steel Aluminum Other	Pre-populate, Inspector Verify	
sppt_matl_coat_cd	Integer	4	Support Material Coating – Galvanized, powder coated or painted	Support Material Coating	sppt_matl_coat_cdtb	Galvanized Painted Powder Coated Other	Pre-populate, Inspector Verify	
mount_hght	Double	8	Vertical distance from the roadway to the light source in feet	Mounting Height (feet)			Pre-populate, Inspector Verify	
arm_num	Integer	4	Number of arms	Number of Arms			Inspector-populated	
arm_lgth	Double	8	Horizontal distance from the support to the middle of the luminaire in feet	Luminaire Arm Length (feet)			Inspector-populated	
arm_type_cd	Integer	4	Luminaire Arm Type	Luminaire Arm Type	arm_type_cdtb	Single Truss Bracket	Inspector-populated	
sect_type_cd	Integer	4	Structure cross-section	Cross-Section	sect_type_cdtb	Multi-sided Round	Inspector-populated	
lght_src_cd	Integer	4	Type of light source	Light Source	lght_src_cdtb	LED Filament Lamp Discharge Lamp	Inspector-populated	
pole_stbck	Double	8	Horizontal distance from the edge of the travel lane to the pole in feet	Pole Setback (feet)			Inspector-populated	
pwr_src_cd	Integer		Power source for the light structure	Power Source	pwr_src_cd	Direct Wire Solar	Inspector-Populated	
brkawy_mat_cd	Integer	4	Breakaway material	Breakaway material	brkawy_mat_cdtb	Steel Aluminum Other	Inspector-populated	Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
device_id	integer	4	Asset ID (Spot No. for embedded pole) field from ITS asset management database	Device ID			Office-populated	
device_name	String	50	Asset name field from ITS asset management database	Device Name			Pre-populated and read-only	

TableName: Frangible_and_NonFrangible_Pole_Structure_Inspection

DatasetType: Point layer
Table Description: Frangible Pole Structure and Non-Frangible Pole Structure Inspection
AliasName: Frangible and Non-Frangible Pole Structure Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
strc_type_cd	Integer	4	Structure Type	Ancillary Structure Type	strc_type_cdtb	Frangible Pole Structure Non Frangible Pole Structure	strc_type_cd
insp_type_cd	Integer	4	Inspection type: Routine, New Construction, Damage, Other	Inspection Type	insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb	Dropdown	
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	Created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	Created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	Last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	Last_edited_date			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number Present and Legible?	Yes_no		
bolt_sound_1_cd	Integer	4	Result of the bolt sounding (ping) test for the foundation of the structure: Acceptable, Dull, Loose	Sounding Bolt 1	bolt_sound_ctdb	1. Acceptable 2. Dull 3. Loose	Hide field in field map when Ancillary Structure Type is Frangible Pole Structure
bolt_sound_2_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 2	bolt_sound_ctdb	See bolt_sound_1_cd for options	Hide field in field map when Ancillary Structure Type is Frangible Pole Structure
bolt_sound_3_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 3	bolt_sound_ctdb	See bolt_sound_1_cd for options	Hide field in field map when Ancillary Structure Type is Frangible Pole Structure
bolt_sound_4_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 4	bolt_sound_ctdb	See bolt_sound_1_cd for options	Hide field in field map when Ancillary Structure Type is Frangible Pole Structure
bolt_ut_1	Integer	4	Results of the ultrasonic test for the foundation of the structure: Pass, Fail	UT Bolt 1	bolt_ut_ctdb	1. Pass 2. Fail	Hide field in field map when Ancillary Structure Type is Frangible Pole Structure
bolt_ut_2	Integer	4	See bolt_ut_1 for description	UT Bolt 2	bolt_ut_ctdb	See bolt_ut_1 for options	Hide field in field map when Ancillary Structure Type is Frangible Pole Structure
bolt_ut_3	Integer	4	See bolt_ut_1 for description	UT Bolt 3	bolt_ut_ctdb	See bolt_ut_1 for options	Hide field in field map when Ancillary Structure Type is Frangible Pole Structure
bolt_ut_4	Integer	4	See bolt_ut_1 for description	UT Bolt 4	bolt_ut_ctdb	See bolt_ut_1 for options	Hide field in field map when Ancillary Structure Type is Frangible Pole Structure
bolt_tight_1_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 1	Yes_no	1. Pass 2. Fail	Hide field in field map when Ancillary Structure Type is Non – Frangible Pole Structure
bolt_tight_2_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 2	Yes_no	See bolt_tight_1_cd for options	Hide field in field map when Ancillary Structure Type is Non – Frangible Pole Structure
bolt_tight_3_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 3	Yes_no	See bolt_tight_1_cd for options	Hide field in field map when Ancillary Structure Type is Non – Frangible Pole Structure
bolt_tight_4_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 4	Yes_no	See bolt_tight_1_cd for options	Hide field in field map when Ancillary Structure Type is Non – Frangible Pole Structure
bolt_ upright_tight_1_cd	Integer	4	Yes/No code indicating whether upright bolt connection is fully tightened.	Tightened Upright Bolt 1	Yes_no	1. Pass 2. Fail	Hide field in field map when Ancillary Structure Type is Non – Frangible Pole Structure
bolt_ upright_tight_2_cd	Integer	4	Yes/No code indicating whether upright bolt connection is fully tightened.	Tightened Upright Bolt 2	Yes_no	See bolt_ upright tight_1_cd for options	Hide field in field map when Ancillary Structure Type is Non – Frangible Pole Structure
bolt_ upright_tight_3_cd	Integer	4	Yes/No code indicating whether upright bolt connection is fully tightened.	Tightened Upright Bolt 3	Yes_no	See bolt_ upright tight_1_cd for options	Hide field in field map when Ancillary Structure Type is Non – Frangible Pole Structure

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_ upright_tight_4_cd	Integer	4	Yes/No code indicating whether upright bolt connection is fully tightened.	Tightened Upright Bolt 4	Yes_no	See bolt_ upright tight_1_cd for options	Hide field in field map when Ancillary Structure Type is Non – Frangible Pole Structure
bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut.	Stand Off Bolt 1 (Length, inches)			
bolt_stand_off_2	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 2 (Length, inches)			
bolt_stand_off_3	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 3 (Length, inches)			
bolt_stand_off_4	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 4 (Length, inches)			
bolt_upright_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the frangible base and the bottom of the levelling nut.	Stand Off Upright Bolt 1 (Length, inches)			
bolt_ upright_stand_off_2	Double	8	See bolt_upright_stand_off_1 for description	Stand Off Upright Bolt 2 (Length, inches)			
bolt_ upright_stand_off_3	Double	8	See bolt_ upright_stand_off_1 for description	Stand Off Upright Bolt 3 (Length, inches)			
bolt_ upright_stand_off_4	Double	8	See bolt_ upright_stand_off_1 for description	Stand Off Upright Bolt 4 (Length, inches)			
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was Concrete Foundation Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
fndtn_elmt_rtg_comm	String	3999	General comment for Foundation Element	Concrete Foundation Element comment			
fndtn_elmt_rtg_good	Integer	4	Quantity of Concrete Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted – Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Concrete foundation Element is measured as EACH concrete foundation.	Concrete Foundation Element rated Good (Each)			
fndtn_elmt_rtg_fair	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Fair (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_elmt_rtg_poor	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Poor (Each)			
fndtn_elmt_rtg_severe	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Severe (Each)			
bolt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Anchor Bolts and Leveling Nuts Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
bolt_elmt_rtg_comm	String	3999	General comment for Anchor Bolts and Leveling Nuts Element rating	Anchor Bolts and Leveling Nuts Element Comment			
bolt_elmt_rtg_good	Integer	4	Quantity of Anchor Bolts and Leveling Nuts Element rated as each of the Anchor Bolts and Leveling Nuts element as measured as EACH bolt/ nut unit. Consideration should be given to projection, results of UT and sounding tests when rating this element. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Good (Each)			
bolt_elmt_rtg_fair	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Fair (Each)			
bolt_elmt_rtg_poor	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Poor (Each)			
bolt_elmt_rtg_severe	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Severe (Each)			
fran_trans_base_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Frangible Transformer Base Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_trans_base_elmt_rtg_comm	String	3999	General comment for element rating	Frangible Transformer Base Element Comment			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_trans_base_elmt_rtg_good	Integer	4	Quantity of Frangible Transformer Base Element rated as each of the Good/Fair/Poor/Severe rating options.	Quantity of Frangible Transformer Base Element Rated Good (Each)			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted – Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Frangible Transformer Base Element is measured as EACH Frangible Transformer Base.				
fran_trans_base_elmt_rtg_fair	Integer	4	See fran_trans_base_elmt_rtg_good for description.	Quantity of Frangible Transformer Base Element Rated Fair (Each)			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_trans_base_elmt_rtg_poor	Integer	4	See fran_trans_base_elmt_rtg_good for description.	Quantity of Frangible Transformer Base Element Rated Poor (Each)			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_trans_base_elmt_rtg_severe	Integer	4	See fran_trans_base_elmt_rtg_good for description.	Quantity of Frangible Transformer Base Element Rated Severe (Each)			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
base_plate_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Base Plate Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
base_plate_elmt_rtg_comm	String	3999	General comment for element rating	Base Plate Element Comment			
base_plate_elmt_rtg_good	Integer	4	Quantity of Base Plate Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted – Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Base Plate Element is measured as EACH base plate.	Quantity of Base Plate Element Rated Good (Each)			
base_plate_elmt_rtg_fair	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Fair (Each)			
base_plate_elmt_rtg_poor	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Poor (Each)			
base_plate_elmt_rtg_severe	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Severe (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fran_base_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Frangible Base Connections Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_base_conn_elmt_rtg_comm	String	3999	General comment for element rating	Frangible Base Connections Element Comment			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_base_conn_elmt_rtg_good	Integer	4	Quantity of Frangible Base Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Frangible Base Connections Element is measured as EACH Frangible Base Connection Element.	Quantity of Frangible Base Connections Element Rated Good (Each)			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_base_conn_elmt_rtg_fair	Integer	4	See fran_base_conn_elmt_rtg_good for description.	Quantity of Frangible Base Connections Element Rated Fair (Each)			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_base_conn_elmt_rtg_poor	Integer	4	See fran_base_conn_elmt_rtg_good for description.	Quantity of Frangible Base Connections Element Rated Poor (Each)			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
fran_base_conn_elmt_rtg_severe	Integer	4	See fran_base_conn_elmt_rtg_good for description.	Quantity of Frangible Base Connections Element Rated Severe (Each)			Hide field in field map when Ancillary Structure Type is Non-Frangible Pole Structure
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Vertical Support Column (Upright) Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	3999	General comment for Vertical Support Column Element (Upright) element rating	Vertical Support Column (Upright) Element Comment			
vert_sppt_elmt_rtg_good	Double	8	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element	Quantity of Vertical Support Column (Upright) Element Rated Good (Length, feet)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			rating status is "Rating Conducted – Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Column Element is measured as length in feet of the vertical support column.				
vert_sppt_elmt_rtg_fair	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Fair (Length, feet)			
vert_sppt_elmt_rtg_poor	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Poor (Length, feet)			
vert_sppt_elmt_rtg_severe	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Severe (Length, feet)			
vert_struc_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Vertical Structure Connections Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
vert_struc_conn_elmt_rtg_comm	String	3999	General comment for element rating	Vertical Structure Connections Element Comment			
vert_struc_conn_elmt_rtg_good	Integer	4	Quantity of Vertical Structure Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted – Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Structure Connections Element is measured as EACH vertical structure connection.	Quantity of Vertical Structure Connections Element Rated Good (Each)			
vert_struc_conn_elmt_rtg_fair	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Fair (Each)			
vert_struc_conn_elmt_rtg_poor	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Poor (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
vert_struc_conn_elmt_rtg_severe	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Severe (Each)			
luminaire_arm_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was Luminaire and Luminaire Arm Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
luminaire_arm_elmt_rtg_comm	String	3999	General comment for element rating	Luminaire and Luminaire Arm Element Comment			
luminaire_arm_elmt_rtg_good	Integer	4	Quantity of Luminaire and Luminaire Arm Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted – Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Luminaire and Luminaire Arm Element is measured as EACH set of Luminaire and Luminaire Arm.	Quantity of Luminaire and Luminaire Arm Element Rated Good (Each)			
luminaire_arm_elmt_rtg_fair	Integer	4	See luminaire_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element Rated Fair (Each)			
luminaire_arm_elmt_rtg_poor	Integer	4	See luminaire_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element Rated Poor (Each)			
luminaire_arm_elmt_rtg_severe	Integer	4	See luminaire_arm_elmt_rtg_good for description.	Quantity of Luminaire and Luminaire Arm Element Rated Severe (Each)			
fndtn_cpnt_rtg_cd	Integer	4	Foundation Component Rating	Foundation Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
fndtn_cpnt_comm	String	3999	Foundation Component Rating Comments	Foundation Component Rating Comments			
vert_struc_cpnt_rtg_cd	Integer	4	Vertical Structure Component Rating	Vertical Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
vert_struc_cpnt_comm	String	3999	Vertical Structure Component Rating Comments	Vertical Structure Component Rating Comments			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
horz_struc_cpnt_rtg_cd	Integer	4	Horizontal Structure Component Rating	Horizontal Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
horz_struc_cpnt_comm	String	3999	Horizontal Structure Component Rating Comments	Horizontal Structure Component Rating Comments			
pole_strc_cpnt_rtg_cd	Integer	4	Overall calculated embedded component rating on a zero to nine scale. Calculated as the minimum of Foundation, Vertical Structure, and Horizontal Structure components. Should not be displayed on the inspection form.	Component Rating (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
next_insp_freq	Double	8	Next inspection frequency. Default 48 months unless suggested otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=48 months.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default=48 months.	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
rcmmnd_cd	Integer	4	New Construction Inspection Status	Recommendation Status	rcmmnd_cdtb	1. Recommend for acceptance 2. Not Recommended for acceptance	Field is only visible when Inspection Type is “New Construction”

High-Mast Lighting Tower

TableName: High_Mast_Lighting_Tower_Inventory

DatasetType: Point layer
Table Description: High-Mast Lighting Tower Inventory only
AliasName: High Mast Lighting Tower Inventory

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Structure Type	Ancillary Structure Type	strc_type_cdtb	High-Mast Lighting Towers	Office-populated	

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
strucname	String	50	Structure Name consists of concatenation of strc_num + location	Structure Name			Auto	
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset	PR Milepoint			Auto	
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Milepoint			Auto	
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format.	Latitude			Auto	
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format.	Longitude			Auto	
manufacturer	String	50	Name of manufacturer	Manufacturer Name			Office-populated	
fab_date	Date	8	Date structure was fabricated	Fabrication Date			Office-populated	
job_num_built	String	12	Job Number through which the asset was constructed.	Job Number Built			Office-populated	job_num_built
FAA_airspace	Integer	4	Structure height and location extends into FAA controlled air space	FAA Controlled Air Space (Y/N)	Yes_no		Prepopulate, Inspector Verify	
sppt_matl_type_cd	Integer	4	Support Material Type	Support Material Type	sppt_matl_type_cdtb	Steel Other	Pre-populate, Inspector Verify	
sppt_matl_coat_cd	Integer	4	Support Material Coating – Galvanized or painted	Support Material Coating	sppt_matl_coat_cdtb	Galvanized Painted Other	Pre-populate, Inspector Verify	
mount_hght	Double	8	Vertical distance from the adjacent surface to the light source (mounting height)	Mounting Height (feet)			Pre-populate,	
lum_num	Integer	4	Number of luminaires in total	Luminaire number			Inspector-populated	
pole_stbck	Double	8	Horizontal distance from the edge of the travel lane (i.e., edge of lane pavement) to the HMLT pole in feet	Pole Setback (feet)			Inspector-populated	
lght_src_cd	Integer	4	Type of light source	Light Source	lght_src_cdtb	LED Filament Lamp Discharge Lamp	Inspector-populated	
lght_dist_cd	integer	4	Lateral distribution pattern	Lighting Layout	lght_dist_cdtb	Type I Type II Type III Type IV Type V	Office-populated	

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
tw_fdtn_type	Integer	4	4, 6, 8, 10, 12 anchor bolts concrete foundation	Foundation Type	tw_fdtn_type_cdtb	3 anchor bolts 4 anchor bolts 6 anchor bolts 8 anchor bolts 10 anchor bolts 12 anchor bolts	Inspector-populated	

TableName: High_Mast_Lighting_Tower_Inspection

DatasetType: Point layer
Table Description: High-Mast Lighting Tower Inspection only
AliasName: High-Mast Lighting Tower Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb	Dropdown	
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	Created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	Created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	Last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	Last_edited_date			
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number Present and Legible?	Yes_no		
bolt_sound_1_cd	Integer	4	Result of the bolt sounding (ping) test for the foundation of the structure: Acceptable, Dull, Loose	Sounding Bolt 1	bolt_sound_ctdb		
bolt_sound_2_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 2	bolt_sound_ctdb		
bolt_sound_3_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 3	bolt_sound_ctdb		

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_sound_4_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 4	bolt_sound_ctdb		
bolt_sound_5_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 5	bolt_sound_ctdb		
bolt_sound_6_cd	Integer	4	See bolt_sound_1_cd for description	Sounding Bolt 6	bolt_sound_ctdb		
bolt_sound_7_cd	Integer	5	See bolt_sound_1_cd for description	Sounding Bolt 7	bolt_sound_ctdb		
bolt_sound_8_cd	Integer	6	See bolt_sound_1_cd for description	Sounding Bolt 8	bolt_sound_ctdb		
bolt_sound_9_cd	Integer	7	See bolt_sound_1_cd for description	Sounding Bolt 9	bolt_sound_ctdb		
bolt_sound_10_cd	Integer	8	See bolt_sound_1_cd for description	Sounding Bolt 10	bolt_sound_ctdb		
bolt_sound_11_cd	Integer	8	See bolt_sound_1_cd for description	Sounding Bolt 11	bolt_sound_ctdb		
bolt_sound_12_cd	Integer	8	See bolt_sound_1_cd for description	Sounding Bolt 12	bolt_sound_ctdb		
bolt_ut_1	Integer	4	Results of the ultrasonic test for the foundation of the structure: Pass, Fail	UT Bolt 1	bolt_ut_ctdb		
bolt_ut_2	Integer	4	See bolt_ut_1 for description	UT Bolt 2	bolt_ut_ctdb		
bolt_ut_3	Integer	4	See bolt_ut_1 for description	UT Bolt 3	bolt_ut_ctdb		
bolt_ut_4	Integer	4	See bolt_ut_1 for description	UT Bolt 4	bolt_ut_ctdb		
bolt_ut_5	Integer	4	See bolt_ut_1 for description	UT Bolt 5	bolt_ut_ctdb		
bolt_ut_6	Integer	4	See bolt_ut_1 for description	UT Bolt 6	bolt_ut_ctdb		
bolt_ut_7	Integer	4	See bolt_ut_1 for description	UT Bolt 7	bolt_ut_ctdb		
bolt_ut_8	Integer	4	See bolt_ut_1 for description	UT Bolt 8	bolt_ut_ctdb		
bolt_ut_9	Integer	4	See bolt_ut_1 for description	UT Bolt 9	bolt_ut_ctdb		
bolt_ut_10	Integer	4	See bolt_ut_1 for description	UT Bolt 10	bolt_ut_ctdb		
bolt_ut_11	Integer	4	See bolt_ut_1 for description	UT Bolt 11	bolt_ut_ctdb		
bolt_ut_12	Integer	4	See bolt_ut_1 for description	UT Bolt 12	bolt_ut_ctdb		
bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut.	Stand Off Bolt 1 (Length, inches)			
bolt_stand_off_2	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 2 (Length, inches)			
bolt_stand_off_3	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 3 (Length, inches)			
bolt_stand_off_4	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 4 (Length, inches)			
bolt_stand_off_5	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 5 (Length, inches)			
bolt_stand_off_6	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 6 (Length, inches)			
bolt_stand_off_7	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 7 (Length, inches)			
bolt_stand_off_8	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 8 (Length, inches)			
bolt_stand_off_9	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 9 (Length, inches)			
bolt_stand_off_10	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 10 (Length, inches)			
bolt_stand_off_11	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 11 (Length, inches)			
bolt_stand_off_12	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 12 (Length, inches)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was Concrete Foundation Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
fndtn_elmt_rtg_comm	String	3999	General comment for Foundation Element	Concrete Foundation Element comment			
fndtn_elmt_rtg_good	Integer	4	Quantity of Concrete Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted – Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Concrete foundation Element is measured as EACH concrete foundation.	Concrete Foundation Element rated Good (Each)			
fndtn_elmt_rtg_fair	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Fair (Each)			
fndtn_elmt_rtg_poor	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Poor (Each)			
fndtn_elmt_rtg_severe	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Severe (Each)			
bolt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Anchor Bolts and Leveling Nuts Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
bolt_elmt_rtg_comm	String	3999	General comment for Anchor Bolts and Leveling Nuts Element rating	Anchor Bolts and Leveling Nuts Element Comment			
bolt_elmt_rtg_good	Integer	4	Quantity of Anchor Bolts and Leveling Nuts Element rated as each of the Anchor Bolts and Leveling Nuts element as measured as EACH bolt/ nut unit. Consideration should be given to projection, results of UT and sounding tests when rating this element. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Good (Each)			
bolt_elmt_rtg_fair	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Fair (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_elmt_rtg_poor	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Poor (Each)			
bolt_elmt_rtg_severe	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Severe (Each)			
base_plate_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Base Plate Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
base_plate_elmt_rtg_comm	String	3999	General comment for element rating	Base Plate Element Comment			
base_plate_elmt_rtg_good	Integer	4	Quantity of Base Plate Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Base Plate Element is measured as EACH base plate.	Quantity of Base Plate Element Rated Good (Each)			
base_plate_elmt_rtg_fair	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Fair (Each)			
base_plate_elmt_rtg_poor	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Poor (Each)			
base_plate_elmt_rtg_severe	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Severe (Each)			
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Vertical Support Column (Upright) Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	3999	General comment for Vertical Support Column Element (Upright) element rating	Vertical Support Column Element (Upright) Comment			
vert_sppt_elmt_rtg_good	Double	8	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor,	Quantity of Vertical Support Column Element (Upright) Rated Good (Length, feet)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
			Severe must equal total quantity of element. Vertical Support Column Element is measured as length in feet of the vertical support column.				
vert_sppt_elmt_rtg_fair	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Fair (Length, feet)			
vert_sppt_elmt_rtg_poor	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Poor (Length, feet)			
vert_sppt_elmt_rtg_severe	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Severe (Length, feet)			
pole_splc_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Pole Splice Connections Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
pole_splc_conn_elmt_rtg_comm	String	3999	General comment for element rating	Pole Splice Connections Element Comment			
pole_splc_conn_elmt_rtg_good	Integer	4	Quantity of Pole Splice Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Pole Splice Connections Element is measured as EACH pole splice connection.	Quantity of Pole Splice Connections Element Rated Good (Each)			
pole_splc_conn_elmt_rtg_fair	Integer	4	See pole_splc_conn_elmt_rtg_good for description.	Quantity of Pole Splice Connections Element Rated Fair (Each)			
pole_splc_conn_elmt_rtg_poor	Integer	4	See pole_splc_conn_elmt_rtg_good for description.	Quantity of Pole Splice Connections Element Rated Poor (Each)			
pole_splc_conn_elmt_rtg_severe	Integer	4	See pole_splc_conn_elmt_rtg_good for description.	Quantity of Pole Splice Connections Element Rated Severe (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
lght_arry_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was Lighting Array Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
lght_arry_elmt_rtg_comm	String	3999	General comment for element rating	Lighting Array Element Comment			
lght_arry_elmt_rtg_good	Integer	4	Quantity of Lighting Array Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted – Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Lighting Array Element is measured as EACH Lighting Array.	Quantity of Lighting Array Element Rated Good (Each)			
lght_arry_elmt_rtg_fair	Integer	4	See lght_arry_elmt_rtg_good for description.	Quantity of Lighting Array Element Rated Fair (Each)			
lght_arry_elmt_rtg_poor	Integer	4	See lght_arry_elmt_rtg_good for description.	Quantity of Lighting Array Element Rated Poor (Each)			
lght_arry_elmt_rtg_severe	Integer	4	See lght_arry_elmt_rtg_good for description.	Quantity of Lighting Array Element Rated Severe (Each)			
fndtn_cpnt_rtg_cd	Integer	4	Foundation Component Rating	Foundation Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
fndtn_cpnt_comm	String	3999	Foundation Component Rating Comments	Foundation Component Rating Comments			
vert_struc_cpnt_rtg_cd	Integer	4	Vertical Structure Component Rating	Vertical Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
vert_struc_cpnt_comm	String	3999	Vertical Structure Component Rating Comments	Vertical Structure Component Rating Comments			
pole_strc_cpnt_rtg_cd	Integer	4	Overall calculated embedded component rating on a zero to nine scale. Calculated as the minimum of Foundation, Vertical Structure and Horizontal Structure components. Should not be displayed on the inspection form.	Component Rating (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
next_insp_freq	Double	8	Next inspection frequency. Default 24 months unless suggested otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=24 months.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default=24 months.	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
rcmmnd_cd	Integer	4	New Construction Inspection Status	Recommendation Status	rcmmnd_cdtb	1. Recommend for acceptance 2. Not Recommended for acceptance	Field is only visible when Inspection Type is “New Construction”

Environmental Sensor Station Tower

TableName: ESS_Tower_Inventory

DatasetType: Point layer
Table Description: Environmental_Sensor_Station_Inventory only
AliasName: Environmental Sensor Station Inventory

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Ancillary Structure Type	Structure Type	strc_type_cdtb	Environmental Sensor Station (ESS) Tower	Pre-populated and Inspector Verify	
strucname	String	50	Structure Name consists of concatenation of strc_num + location	Structure Name			Auto	
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset.	PR Milepoint			Auto	
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Milepoint			Auto	
manufacturer	String	50	Name of manufacturer	Manufacturer Name			Office-populated	
fab_date	Date	8	Date structure was fabricated	Fabrication Date			Office-populated	
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format.	Latitude			Auto	

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format.	Longitude			Auto	
struc_height	Double	8	Height of the vertical structure measured from the top of the base in feet	Structure height (feet)			Inspector-populated	
Fence	Integer	4	Fence around structure is present and secures structure	Fence present and secure	Yes_no		Inspector-populated	
fdtn_type	Integer	4	3 anchor bolts, 4 anchor bolts or 6, 8, 10 anchor bolts concrete foundation	Foundation Type	fdtn_type_cdtb	3 anchor bolts 4 anchor bolts 6 anchor bolts 8 anchor bolts 10 anchor bolts	Inspector-populated	
sppt_matl_coat_cd	Integer	4	Support Material Coating – Galvanized, powder coated or painted	Support Material Coating	sppt_matl_coat_cdtb	Galvanized Painted Powder Coated	Pre-populate, Inspector Verify	
sppt_matl_type_cd	Integer	4	Support Material Type	Support Material Type	sppt_matl_type_cdtb	Aluminum Aluminum & Steel Steel Other	Prepopulate-Inspector Verify	
hinge_num	Integer	4	Number of hinges	Number of Hinges			Inspector-populated	
wsher_bh_cd	Integer	4	Yes/No code indicating if lock washers are at the base hinges	Lock washers at base hinge	Yes_no		Inspector-populated	
wsher_bh_comm	String	3999	General comment for lock washer deficiency at the base hinges	Lock washers at base comment	Yes_no		Inspector-populated	
wsher_lbh_cd	Integer	4	Yes/No code indicating if lock washers are at the lowering boom hinge	Lock washers at lowering boom hinge	Yes_no		Inspector-populated	
wsher_lbh_comm	String	3999	General comment for lock washer deficiency at the lowering boom hinge	Lock washers at base comment	Yes_no		Inspector-populated	
struc_shp_cd	Integer	4	Shape of structure	Structure Shape	struc_shp_cdtb	Triangular Square	Prepopulate-Inspector Verify	
Anticlimb_panel_cd	Integer	4	Yes/No code indicating whether anti-climb panels are installed, restricting use of the lattice to climb structure	Anti-Climb panels	Yes_no		Inspector-populated	
cab_appurt_cd	Integer	4	Yes/No code indicating whether cabinet appurtenance is attached to the structure	Cabinet attachment	Yes_no		Inspector-populated	
num_snscam_app_attached	Integer	4	Number of cameras, sensors or appurtenances in total attached to structure. A camera is a device that captures images or videos. A device that is both camera and sensor would classify as a camera (i.e., video detection). A sensor is a device that detects and measures changes in traffic or environment. (e.g., atmospheric sensors). An appurtenance is a device attached to the structure that does not constitute a rated element and is neither a camera nor a sensor (e.g., roadside unit, cell modem antenna and radio antenna).	Number of cameras, sensors, and appurtenances in total			Inspector-populated	
brmt_psr_snr_cd	Integer	4	Yes/No code indicating whether barometric pressure sensor is attached to the structure	Barometric Pressure sensor	Yes_no		Inspector-populated	

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	How to populate	Note
ar_hmty_snr_cd	Integer	4	Yes/No code indicating whether air temperature/relative humidity sensor is attached to the structure	Air temperature/ Relative Humidity sensor	Yes_no		Inspector-populated	
prcp_vsty_snr_cd	Integer	4	Yes/No code indicating whether precipitation/visibility sensor is attached to the structure	Precipitation/ Visibility sensor	Yes_no		Inspector-populated	
anmtr_snr_cd	Integer	4	Yes/No code indicating whether ultrasonic anemometer sensor is attached to the structure	Ultrasonic Anemometer sensor	Yes_no		Inspector-populated	
rdr_prcp_snr_cd	Integer	4	Yes/No code indicating whether radar precipitation sensor is attached to the structure	Radar Precipitation sensor	Yes_no		Inspector-populated	
cam_appurt_cd	Integer	4	Yes/No code indicating whether camera is attached to the structure. A camera is a device that captures images or videos. A device that is both camera and sensor would classify as a camera (i.e., video detection).	Camera attachment	Yes_no		Inspector-populated	
other_snr_appurt1	String	50	Other sensors or appurtenances attached to the structure not listed	Other sensor or appurtenance1			Inspector-populated	
other_snr_appurt2	String	400	Other sensors or appurtenances attached to the structure not listed	Other sensor or appurtenance 2			Inspector-populated	
other_snr_appurt3	String	400	Other sensor or appurtenances attached to the structure not listed	Other sensor or appurtenance 3			Inspector-populated	
device_id	integer	4	Asset ID (Spot No. for embedded pole) field from ITS asset management database	Device ID			Office-populated	
device_name	String	50	Asset name field from ITS asset management database	Device Name			Pre-populated and read-only	

TableName: ESS_Tower_Inspection

DatasetType: Point layer
Table Description: Environmental Sensor Station Tower Inspection only
AliasName: Environmental Sensor Station Inspection

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
tower_insp_type_cd	Integer	4	Inspection type: Arm's Length Inspection	Tower Inspection Type	tower_insp_type_cdtb	1. Arm's Length Inspection 2. Visual Inspection	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb	Dropdown	
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
insp_cret_uid	String	255	User who created the inspection record in the database.	Created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	Created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	Last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	Last_edited_date			
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number Present and Legible?	Yes_no		
bolt_tight_1_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 1			
bolt_tight_2_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 2			
bolt_tight_3_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 3			
bolt_tight_4_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 4			
bolt_tight_5_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 5			
bolt_tight_6_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 6			
bolt_tight_7_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 7			
bolt_tight_8_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 8			
bolt_tight_9_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 9			
bolt_tight_10_cd	Integer	4	Yes/No code indicating whether anchor bolt connection is fully tightened.	Tightened Bolt 10			
bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut.	Stand Off Bolt 1 (Length, inches)			
bolt_stand_off_2	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 2 (Length, inches)			
bolt_stand_off_3	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 3 (Length, inches)			
bolt_stand_off_4	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 4 (Length, inches)			
bolt_stand_off_5	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 5 (Length, inches)			
bolt_stand_off_6	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 6 (Length, inches)			
bolt_stand_off_7	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 7 (Length, inches)			
bolt_stand_off_8	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 8 (Length, inches)			
bolt_stand_off_9	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 9 (Length, inches)			
bolt_stand_off_10	Double	8	See bolt_stand_off_1 for description	Stand Off Bolt 10 (Length, inches)			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was Concrete Foundation Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
fndtn_elmt_rtg_comm	String	3999	General comment for Foundation Element	Concrete Foundation Element comment			
fndtn_elmt_rtg_good	Integer	4	Quantity of Concrete Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted – Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Concrete foundation Element is measured as EACH concrete foundation.	Concrete Foundation Element rated Good (Each)			
fndtn_elmt_rtg_fair	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Fair (Each)			
fndtn_elmt_rtg_poor	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Poor (Each)			
fndtn_elmt_rtg_severe	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Severe (Each)			
bolt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Anchor Bolts and Leveling Nuts Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
bolt_elmt_rtg_comm	String	3999	General comment for Anchor Bolts and Leveling Nuts Element rating	Anchor Bolts and Leveling Nuts Element Comment			
bolt_elmt_rtg_good	Integer	4	Quantity of Anchor Bolts and Leveling Nuts Element rated as each of the Anchor Bolts and Leveling Nuts element as measured as EACH bolt/ nut unit. Consideration should be given to projection, results of UT and sounding tests when rating this element. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Good (Each)			
bolt_elmt_rtg_fair	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Fair (Each)			
bolt_elmt_rtg_poor	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Poor (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
bolt_elmt_rtg_severe	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Severe (Each)			
base_plate_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Base Plate Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
base_plate_elmt_rtg_comm	String	3999	General comment for element rating	Base Plate Element Comment			
base_plate_elmt_rtg_good	Integer	4	Quantity of Base Plate Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Base Plate Element is measured as EACH base plate.	Quantity of Base Plate Element Rated Good (Each)			
base_plate_elmt_rtg_fair	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Fair (Each)			
base_plate_elmt_rtg_poor	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Poor (Each)			
base_plate_elmt_rtg_severe	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Severe (Each)			
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Vertical Support Column (Upright) Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	3999	General comment for Vertical Support Column Element (Upright) element rating	Vertical Support Column Element (Upright) Comment			
vert_sppt_elmt_rtg_good	Double	8	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Column Element is measured as length in feet of the vertical support column.	Quantity of Vertical Support Column Element (Upright) Rated Good (Length, feet)			
vert_sppt_elmt_rtg_fair	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Fair (Length, feet)			
vert_sppt_elmt_rtg_poor	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Poor (Length, feet)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
vert_sppt_elmt_rtg_severe	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column Element (Upright) Rated Severe (Length, feet)			
lwrng_bm_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was Tower Lowering Boom Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
lwrng_bm_elmt_rtg_comm	String	3999	General comment for element rating	Tower Lowering Boom Element Comment (If element not rated and boom not loweredexplain why not)			
lwrng_bm_elmt_rtg_good	Integer	4	Quantity of Tower Lowering Boom Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is "Rating Conducted – Defects Identified". If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Tower Lowering Boom Element is measured as Tower Lowering Boom.	Quantity of Tower Lowering Boom Element Rated Good (Each)			
lwrng_bm_elmt_rtg_fair	Integer	4	See lwrng_bm_elmt_rtg_good for description.	Quantity of Tower Lowering Boom Element Rated Fair (Each)			
lwrng_bm_elmt_rtg_poor	Integer	4	See lwrng_bm_elmt_rtg_good for description.	Quantity of Tower Lowering Boom Element Rated Poor (Each)			
lwrng_bm_elmt_rtg_severe	Integer	4	See lwrng_bm_elmt_rtg_good for description.	Quantity of Tower Lowering Boom Element Rated Severe (Each)			
fndtn_cpnt_rtg_cd	Integer	4	Foundation Component Rating	Foundation Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
fndtn_cpnt_comm	String	3999	Foundation Component Rating Comments	Foundation Component Rating Comments			
vert_struc_cpnt_rtg_cd	Integer	4	Vertical Structure Component Rating	Vertical Structure Component Rating	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
vert_struc_cpnt_comm	String	3999	Vertical Structure Component Rating Comments	Vertical Structure Component Rating Comments			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
pole_strc_cpnt_rtg_cd	Integer	4	Overall calculated embedded component rating on a zero to nine scale. Calculated as the minimum of Foundation, Vertical Structure, and Horizontal Structure components. Should not be displayed on the inspection form.	Component Rating (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
next_insp_freq	Double	8	Next inspection frequency. Default 48 months if Tower Inspection Type is Arm's Length Inspection. Default 24 months if Tower Inspection Type is Visual Inspection, unless suggested otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=48 months for Arm's Length Inspection or default = 24 months for Visual Inspection.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default. (Default = 48 months if Tower Inspection Type is Arm's Length Inspection, default= 24 months if Tower Inspection Type is Visual Inspection)	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb		

Communication Tower Inventory

TableName: Communication_Tower_Inventory

DatasetType: Point layer
Table Description: Communication Tower Inventory only
AliasName: Communication Tower Inventory

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
strc_type_cd	Integer	4	Structure Type	Ancillary Structure Type	strc_type_cdtb		Office-populated	
strucname	String	50	For Embedded Pole, Structure Name consists of concatenation of strc_num + sppt_matl_type_cd + location. For Steel Strain Pole, Structure Name consists of strc_num + location	Structure Name			Auto	
strc_type_cd	Integer	4	Ancillary Structure Type	Structure Type	strc_type_cdtb		Inspector Verify	
pr_mp	Double	8	The Physical Road Mile Point is the point on the Physical Road segment located nearest to the asset.	PR Milepoint			Auto	
cs_mp	Double	8	The Control Section Mile Point is the point on the Control Section segment located nearest to the asset.	CS Milepoint			Auto	
precise_lat	Double	8	Precise latitude value in DDDDDD.dddd format.	Latitude			Auto	
manufacturer	String	50	Name of manufacturer	Manufacturer Name			Office-populated	

FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
fab_date	Date	8	Date structure was fabricated	Fabrication Date			Office-populated	
precise_lon	Double	8	Precise longitude value in DDDDDD.dddd format.	Longitude			Auto	
FAA_airspace	Integer	4	Structure height and location extends into FAA controlled air space	FAA Controlled Air Space (Y/N)	Yes_no		Prepopulate, Inspector Verify	
struc_height	Double	8	Height of the vertical structure measured from the top of the base in feet	Structure height (feet)			Prepopulate, Inspector Verify	
fdtn_type	Integer	4	Number of anchor bolts in concrete foundation	Foundation Type	fdtn_type_cdtb	3 anchor bolts 4 anchor bolts 6 anchor bolts 8 anchor bolts 10 anchor bolts 12 anchor bolts	Inspector-populated	
num_sns_attached	Integer	4	Number of sensors attached to structure. See sns_appurt_cd for definition of a sensor.	Number of sensors			Inspector-populated	
sppt_matl_coat_cd	Integer	4	Support Material Coating – Galvanized or painted	Support Material Coating	sppt_matl_coat_cdtb	Galvanized Painted	Pre-populate, Inspector Verify	
brcg_pttrn_cd	Integer	4	Bracing pattern used for the structure, triangular or square	Bracing Pattern	brcg_pttrn_cdtb	Triangular Square	Pre-populate, Inspector Verify	
struc_shp_cd	Integer	4	Shape of structure, triangular or square	Structure Shape	struc_shp_cdtb	Triangular Square	Pre-populate, Inspector Verify	
sppt_typ_cd	Integer	4	Structure support type	Structure Support Type	sppt_typ_cdtb	Self-supporting Guyed Monopole	Pre-populate, Inspector Verify	
Fence	Integer	4	Fence around structure is present and secures structure	Fence present and secure	Yes_no		Inspector-populated	
Climb_tower	Integer	4	Climbing tower accessible and safe to use for inspection	Climbing accessible and safe	Yes_no		Inspector-populated	
tower_access	String	100	Tower access note or who to contact to access	Tower Access			Pre-populate	
num_apptn_attch	Integer	4	Number of appurtenances attached to the structure. An appurtenance is a device attached to the structure that does not constitute a rated element and is neither a camera nor a sensor (e.g., roadside unit, cell modem antenna and radio antenna). See cam_appurt_cd and num_sns_attached for definitions of a camera and a sensor.	Number of Appurtenances			Inspector-populated	

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FieldName	Type	Length	Description	AliasName	DomainName	Drop-down options	How to populate	Note
cam_appurt_cd	Integer	4	Yes/No code indicating whether camera is attached to the structure. A camera is a device that captures images or videos. A device that is both camera and sensor would classify as a camera (i.e., video detection).	Camera attachment	Yes_no		Inspector-populated	
sns_appurt_cd	Integer	4	Yes/No code indicating whether sensor is attached to the structure. A sensor is a device that detects and measures changes in traffic or environment (e.g., atmospheric sensors).	Sensor attachment	Yes_no		Inspector-populated	
cab_appurt_cd	Integer	4	Yes/No code indicating whether cabinet appurtenance is attached to the structure	Cabinet attachment	Yes_no		Inspector-populated	
bcn_appurt_cd	Integer	4	Yes/No code indicating whether tower beacon is attached to the structure	Tower beacon attachment	Yes_no		Inspector-populated	
sat_dsh_appurt_cd	Integer	4	Yes/No code indicating whether satellite dish is attached to the structure	Satellite dish attachment	Yes_no		Inspector-populated	
side_arm_cd	Integer	4	Yes/No code indicating whether side arm is attached to the structure	Side arm attachment	Yes_no		Inspector-populated	
other_appurt1	String	400	Other appurtenance attached to the structure not listed	Other appurtenance 1			Inspector-populated	
other_appurt2	String	400	Other appurtenance attached to the structure not listed	Other appurtenance 2			Inspector-populated	
other_appurt3	String	400	Other appurtenance attached to the structure not listed	Other appurtenance 3			Inspector-populated	
device_id	integer	4	Asset ID (Spot No. for embedded pole) field from ITS asset management database	Device ID			Office-populated	
device_name	String	50	Asset name field from ITS asset management database	Device Name			Pre-populated and read-only	

TableName: Communication_Tower_Inspection

DatasetType: Point layer
Table Description: Communication Tower Inspection only
AliasName: Communication Tower Inspection
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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
GlobalID	GlobalID	38	Primary Key. Unique Global Asset ID (auto generated).	GlobalID			
AssetGUID	GUID	38	Foreign Key to the Inventory table.	AssetGUID			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
insp_type_cd	Integer	4	Inspection type: Routine, Damage, New Construction, Other	Inspection Type	insp_type_cdtb	1. Routine 2. Damage 3. New Construction 4. Other	
tower_insp_type_cd	Integer	4	Inspection type: Arm's Length Inspection	Tower Inspection Type	tower_insp_type_cdtb	1. Arm's Length Inspection 2. Visual Inspection	
insp_field_vrfy_date	Date	8	Date the inspection was verified in the field	Field Verification Date			
insp_user_cd	String	255	User who verified the inspection in the field	Inventory Field Verification User			
insp_cmpy_cd	Integer	4	Name of company performing inspection.	Field Verification Company	insp_cmpy_cdtb	Dropdown	
insp_comm	String	1000	General comment entered during inspection	Field Verification Comments			
insp_cret_uid	String	255	User who created the inspection record in the database.	Created_user			
insp_cret_tmsp	Date	8	Date the inspection record was created in the database.	Created_date			
insp_updt_uid	String	255	The user who last edited the inspection record.	Last_edited_user			
insp_updt_tmsp	Date	8	Date the inspection record was last edited.	Last_edited_date			
strc_num_tag_cd	Integer	4	Structure Number Present and legible	Structure Number Present and Legible?	Yes_no		
f1_bolt_sound_1_cd	Integer	4	Result of the bolt sounding (ping) test for foundation 1 of the structure: Acceptable, Dull, Loose. Foundation 1 is the first foundation counting clockwise from the south.	Foundation 1 Sounding Bolt 1	bolt_sound_ctdb		
f2_bolt_sound_2_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 2	bolt_sound_ctdb		
f2_bolt_sound_3_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 3	bolt_sound_ctdb		
f2_bolt_sound_4_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 4	bolt_sound_ctdb		
f2_bolt_sound_5_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 5	bolt_sound_ctdb		
f2_bolt_sound_6_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 6	bolt_sound_ctdb		
f2_bolt_sound_7_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 7	bolt_sound_ctdb		
f2_bolt_sound_8_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 8	bolt_sound_ctdb		
f2_bolt_sound_9_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 9	bolt_sound_ctdb		
f2_bolt_sound_10_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 10	bolt_sound_ctdb		
f2_bolt_sound_11_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 11	bolt_sound_ctdb		
f2_bolt_sound_12_cd	Integer	4	See f2_ bolt_sound_1_cd for description	Foundation 2 Sounding Bolt 12	bolt_sound_ctdb		
f3_bolt_sound_1_cd	Integer	4	Result of the bolt sounding (ping) test for foundation 3 of the structure: Acceptable, Dull, Loose. Foundation 3 is the third foundation counting clockwise from the south.	Foundation 3 Sounding Bolt 1	bolt_sound_ctdb		
f3_bolt_sound_2_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 2	bolt_sound_ctdb		
f3_bolt_sound_3_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 3	bolt_sound_ctdb		
f3_bolt_sound_4_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 4	bolt_sound_ctdb		
f3_bolt_sound_5_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 5	bolt_sound_ctdb		
f3_bolt_sound_6_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 6	bolt_sound_ctdb		
f3_bolt_sound_7_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 7	bolt_sound_ctdb		
f2_bolt_sound_8_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 8	bolt_sound_ctdb		
f2_bolt_sound_9_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 9	bolt_sound_ctdb		
f2_bolt_sound_10_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 10	bolt_sound_ctdb		
f2_bolt_sound_11_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 11	bolt_sound_ctdb		
f2_bolt_sound_12_cd	Integer	4	See f3_ bolt_sound_1_cd for description	Foundation 3 Sounding Bolt 12	bolt_sound_ctdb		

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
f4_bolt_sound_1_cd	Integer	4	Result of the bolt sounding (ping) test for foundation 4 of the structure: Acceptable, Dull, Loose. Foundation 4 is the fourth foundation counting clockwise from the south.	Foundation 4 Sounding Bolt 1	bolt_sound_ctdb		
f4_bolt_sound_2_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 2	bolt_sound_ctdb		
f4_bolt_sound_3_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 3	bolt_sound_ctdb		
f4_bolt_sound_4_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 4	bolt_sound_ctdb		
f4_bolt_sound_5_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 5	bolt_sound_ctdb		
f4_bolt_sound_6_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 6	bolt_sound_ctdb		
f4_bolt_sound_7_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 7	bolt_sound_ctdb		
f4_bolt_sound_8_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 8	bolt_sound_ctdb		
f4_bolt_sound_9_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 9	bolt_sound_ctdb		
f4_bolt_sound_10_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 10	bolt_sound_ctdb		
f4_bolt_sound_11_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 11	bolt_sound_ctdb		
f4_bolt_sound_12_cd	Integer	4	See f4_ bolt_sound_1_cd for description	Foundation 4 Sounding Bolt 12	bolt_sound_ctdb		
f1_bolt_ut_1	Integer	4	Results of the ultrasonic test for foundation 1 of the structure: Pass, Fail. Foundation 1 is the first foundation counting clockwise from the south.	Foundation 1 UT Bolt 1	bolt_ut_ctdb		
f1_bolt_ut_2	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 2	bolt_ut_ctdb		
f1_bolt_ut_3	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 3	bolt_ut_ctdb		
f1_bolt_ut_4	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 4	bolt_ut_ctdb		
f1_bolt_ut_5	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 5	bolt_ut_ctdb		
f1_bolt_ut_6	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 6	bolt_ut_ctdb		
f1_bolt_ut_7	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 7	bolt_ut_ctdb		
f1_bolt_ut_8	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 8	bolt_ut_ctdb		
f1_bolt_ut_9	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 9	bolt_ut_ctdb		
f1_bolt_ut_10	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 10	bolt_ut_ctdb		
f1_bolt_ut_11	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 11	bolt_ut_ctdb		
f1_bolt_ut_12	Integer	4	See f1_bolt_ut_1 for description	Foundation 1 UT Bolt 12	bolt_ut_ctdb		
f2_bolt_ut_1	Integer	4	Results of the ultrasonic test for foundation 2 of the structure: Pass, Fail. Foundation 2 is the second foundation counting clockwise from the south.	Foundation 2 UT Bolt 1	bolt_ut_ctdb		
f2_bolt_ut_2	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 2	bolt_ut_ctdb		
f2_bolt_ut_3	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 3	bolt_ut_ctdb		
f2_bolt_ut_4	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 4	bolt_ut_ctdb		
f2_bolt_ut_5	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 5	bolt_ut_ctdb		
f2_bolt_ut_6	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 6	bolt_ut_ctdb		
f2_bolt_ut_7	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 7	bolt_ut_ctdb		
f2_bolt_ut_8	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 8	bolt_ut_ctdb		
f2_bolt_ut_9	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 9	bolt_ut_ctdb		
f2_bolt_ut_10	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 10	bolt_ut_ctdb		
f2_bolt_ut_11	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 11	bolt_ut_ctdb		
f2_bolt_ut_12	Integer	4	See f2_bolt_ut_1 for description	Foundation 2 UT Bolt 12	bolt_ut_ctdb		
f3_bolt_ut_1	Integer	4	Results of the ultrasonic test for foundation 3 of the structure: Pass, Fail. Foundation 3 is the third foundation counting clockwise from the south.	Foundation 3 UT Bolt 1	bolt_ut_ctdb		
f3_bolt_ut_2	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 2	bolt_ut_ctdb		

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
f3_bolt_ut_3	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 3	bolt_ut_ctdb		
f3_bolt_ut_4	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 4	bolt_ut_ctdb		
f3_bolt_ut_5	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 5	bolt_ut_ctdb		
f3_bolt_ut_6	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 6	bolt_ut_ctdb		
f3_bolt_ut_7	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 7	bolt_ut_ctdb		
f3_bolt_ut_8	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 8	bolt_ut_ctdb		
f3_bolt_ut_9	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 9	bolt_ut_ctdb		
f3_bolt_ut_10	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 10	bolt_ut_ctdb		
f3_bolt_ut_11	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 11	bolt_ut_ctdb		
f3_bolt_ut_12	Integer	4	See f3_bolt_ut_1 for description	Foundation 3 UT Bolt 12	bolt_ut_ctdb		
f4_bolt_ut_1			Results of the ultrasonic test for foundation 4 of the structure: Pass, Fail. Foundation 4 is the fourth foundation counting clockwise from the south.	Foundation 4 UT Bolt 1	bolt_ut_ctdb		
f4_bolt_ut_2	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 2	bolt_ut_ctdb		
f4_bolt_ut_3	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 3	bolt_ut_ctdb		
f4_bolt_ut_4	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 4	bolt_ut_ctdb		
f4_bolt_ut_5	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 5	bolt_ut_ctdb		
f4_bolt_ut_6	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 6	bolt_ut_ctdb		
f4_bolt_ut_7	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 7	bolt_ut_ctdb		
f4_bolt_ut_8	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 8	bolt_ut_ctdb		
f4_bolt_ut_9	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 9	bolt_ut_ctdb		
f4_bolt_ut_10	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 10	bolt_ut_ctdb		
f4_bolt_ut_11	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 11	bolt_ut_ctdb		
f4_bolt_ut_12	Integer	4	See bolt_ut_1 for description	Foundation 4 UT Bolt 12	bolt_ut_ctdb		
f1_bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut for foundation 1. Foundation 1 is the first foundation counting clockwise from the south.	Foundation 1 Stand Off Bolt 1 (Length, inches)			
f1_bolt_stand_off_2	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 2 (Length, inches)			
f1_bolt_stand_off_3	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 3 (Length, inches)			
f1_bolt_stand_off_4	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 4 (Length, inches)			
f1_bolt_stand_off_5	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 5 (Length, inches)			
f1_bolt_stand_off_6	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 6 (Length, inches)			
f1_bolt_stand_off_7	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 7 (Length, inches)			
f1_bolt_stand_off_8	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 8 (Length, inches)			
f1_bolt_stand_off_9	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 9 (Length, inches)			
f1_bolt_stand_off_10	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 10 (Length, inches)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
f1_bolt_stand_off_11	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 11 (Length, inches)			
f1_bolt_stand_off_12	Double	8	See f1_bolt_stand_off_1 for description	Foundation 1 Stand Off Bolt 12 (Length, inches)			
f2_bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut for foundation 2. Foundation 2 is the second foundation counting clockwise from the south.	Foundation 2 Stand Off Bolt 1 (Length, inches)			
f2_bolt_stand_off_2	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 2 (Length, inches)			
f2_bolt_stand_off_3	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 3 (Length, inches)			
f2_bolt_stand_off_4	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 4 (Length, inches)			
f2_bolt_stand_off_5	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 5 (Length, inches)			
f2_bolt_stand_off_6	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 6 (Length, inches)			
f2_bolt_stand_off_7	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 7 (Length, inches)			
f2_bolt_stand_off_8	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 8 (Length, inches)			
f2_bolt_stand_off_9	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 9 (Length, inches)			
f2_bolt_stand_off_10	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 10 (Length, inches)			
f2_bolt_stand_off_11	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 11 (Length, inches)			
f2_bolt_stand_off_12	Double	8	See f2_bolt_stand_off_1 for description	Foundation 2 Stand Off Bolt 12 (Length, inches)			
f3_bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut for foundation 3. Foundation 3 is the third foundation counting clockwise from the south.	Foundation 3 Stand Off Bolt 1 (Length, inches)			
f3_bolt_stand_off_2	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 2 (Length, inches)			
f3_bolt_stand_off_3	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 3 (Length, inches)			
f3_bolt_stand_off_4	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 4 (Length, inches)			
f3_bolt_stand_off_5	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 5 (Length, inches)			
f3_bolt_stand_off_6	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 6 (Length, inches)			
f3_bolt_stand_off_7	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 7 (Length, inches)			
f3_bolt_stand_off_8	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 8 (Length, inches)			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
f3_bolt_stand_off_9	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 9 (Length, inches)			
f3_bolt_stand_off_10	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 10 (Length, inches)			
f3_bolt_stand_off_11	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 11 (Length, inches)			
f3_bolt_stand_off_12	Double	8	See f3_bolt_stand_off_1 for description	Foundation 3 Stand Off Bolt 12 (Length, inches)			
f4_bolt_stand_off_1	Double	8	Measure and record the distance in decimal inches between the top of the concrete foundation and the bottom of the levelling nut for foundation 4. Foundation 4 is the forth foundation counting clockwise from the south.	Foundation 4 Stand Off Bolt 1 (Length, inches)			
f4_bolt_stand_off_2	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 2 (Length, inches)			
f4_bolt_stand_off_3	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 3 (Length, inches)			
f4_bolt_stand_off_4	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 4 (Length, inches)			
f4_bolt_stand_off_5	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 5 (Length, inches)			
f4_bolt_stand_off_6	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 6 (Length, inches)			
f4_bolt_stand_off_7	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 7 (Length, inches)			
f4_bolt_stand_off_8	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 8 (Length, inches)			
f4_bolt_stand_off_9	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 9 (Length, inches)			
f4_bolt_stand_off_10	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 10 (Length, inches)			
f4_bolt_stand_off_11	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 11 (Length, inches)			
f4_bolt_stand_off_12	Double	8	See f4_bolt_stand_off_1 for description	Foundation 4 Stand Off Bolt 12 (Length, inches)			
fndtn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the Foundation Element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was Concrete Foundation Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
fndtn_elmt_rtg_comm	String	3999	General comment for Foundation Element	Concrete Foundation Element comment			
fndtn_elmt_rtg_good	Integer	4	Quantity of Concrete Foundation Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is Rating Conducted – Defects Identified. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Concrete foundation Element is measured as EACH concrete foundation.	Concrete Foundation Element rated Good (Each)			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_elmt_rtg_fair	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Fair (Each)			
fndtn_elmt_rtg_poor	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Poor (Each)			
fndtn_elmt_rtg_severe	Integer	4	See fndtn_elmt_rtg_good for description	Concrete Foundation Element rated Severe (Each)			
bolt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Anchor Bolts and Leveling Nuts Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
bolt_elmt_rtg_comm	String	3999	General comment for Anchor Bolts and Leveling Nuts Element rating	Anchor Bolts and Leveling Nuts Element Comment			
bolt_elmt_rtg_good	Integer	4	Quantity of Anchor Bolts and Leveling Nuts Element rated as each of the Anchor Bolts and Leveling Nuts element as measured as EACH bolt/ nut unit. Consideration should be given to projection, results of UT and sounding tests when rating this element. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Good (Each)			
bolt_elmt_rtg_fair	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Fair (Each)			
bolt_elmt_rtg_poor	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Poor (Each)			
bolt_elmt_rtg_severe	Integer	4	See bolt_elmt_rtg_good for description.	Quantity of Anchor Bolts and Leveling Nuts Element Rated Severe (Each)			
base_plate_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Base Plate Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
base_plate_elmt_rtg_comm	String	3999	General comment for element rating	Base Plate Element Comment			
base_plate_elmt_rtg_good	Integer	4	Quantity of Base Plate Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Base Plate Element is measured as EACH base plate.	Quantity of Base Plate Element Rated Good (Each)			
base_plate_elmt_rtg_fair	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Fair (Each)			

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FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
base_plate_elmt_rtg_poor	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Poor (Each)			
base_plate_elmt_rtg_severe	Integer	4	See base_plate_elmt_rtg_good for description.	Quantity of Base Plate Element Rated Severe (Each)			
vert_sppt_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Vertical Support Column (Upright) Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
vert_sppt_elmt_rtg_comm	String	3999	General comment for Vertical Support Column Element (Upright) element rating	Vertical Support Column (Upright) Element Comment			
vert_sppt_elmt_rtg_good	Double	8	Quantity of Vertical Support Column Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Support Column Element is measured as length in feet of the vertical support column.	Quantity of Vertical Support Column (Upright) Element Rated Good (Length, feet)			
vert_sppt_elmt_rtg_fair	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Fair (Length, feet)			
vert_sppt_elmt_rtg_poor	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Poor (Length, feet)			
vert_sppt_elmt_rtg_severe	Double	8	See vert_sppt_elmt_rtg_good for description.	Quantity of Vertical Support Column (Upright) Element Rated Severe (Length, feet)			
brac_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was Bracing Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
brac_elmt_rtg_comm	String	3999	General comment for element rating	Bracing Element Comment			
brac_elmt_rtg_good	Integer	4	Quantity of Bracing Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Bracing Element is measured as EACH bracing.	Quantity of Bracing Element Rated Good (Each)			
brac_elmt_rtg_fair	Integer	4	See brac_elmt_rtg_good for description.	Quantity of Bracing Element Rated Fair (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
brac_elmt_rtg_poor	Integer	4	See brac_elmt_rtg_good for description.	Quantity of Bracing Element Rated Poor (Each)			
brac_elmt_rtg_severe	Integer	4	See brac_elmt_rtg_good for description.	Quantity of Bracing Element Rated Severe (Each)			
vert_struc_conn_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Vertical Structure Connections Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
vert_struc_conn_elmt_rtg_comm	String	3999	General comment for element rating	Vertical Structure Connections Element Comment			
vert_struc_conn_elmt_rtg_good	Integer	4	Quantity of Vertical Structure Connections Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Structure Connections Element is measured as EACH vertical structure connection.	Quantity of Vertical Structure Connections Element Rated Good (Each)			
vert_struc_conn_elmt_rtg_fair	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Fair (Each)			
vert_struc_conn_elmt_rtg_poor	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Poor (Each)			
vert_struc_conn_elmt_rtg_severe	Integer	4	See vert_struc_conn_elmt_rtg_good for description.	Quantity of Vertical Structure Connections Element Rated Severe (Each)			
vert_struc_splice_elmt_rtg_status_cd	Integer	4	Status field indicating whether or not the element was rated during the inspection: Not Rated – Not Applicable, Not Rated – Not Accessible, Rating Conducted	Was the Vertical Structure Splices Element rated?	Elmt_rtg_status_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
vert_struc_splice_elmt_rtg_comm	String	3999	General comment for element rating	Vertical Structure Connections Element Comment			
vert_struc_splice_elmt_rtg_good	Integer	4	Quantity of Vertical Structure Splice Element rated as each of the Good/Fair/Poor/Severe rating options. There are four columns to capture the quantity of Good/Fair/Poor/Severe for each element. Element rating columns only need to be filled out if element rating status is “Rating Conducted – Defects Identified”. If any of Good/Fair/Poor/Severe are populated, sum of Good, Fair, Poor, Severe must equal total quantity of element. Vertical Structure Connections Element is measured as EACH vertical structure connection.	Quantity of Vertical Structure Connections Element Rated Good (Each)			
vert_struc_splice_elmt_rtg_fair	Integer	4	See vert_struc_splice_elmt_rtg_good for description.	Quantity of Vertical Structure Splice Element Rated Fair (Each)			
vert_struc_splice_elmt_rtg_poor	Integer	4	See vert_struc_splice_elmt_rtg_good for description.	Quantity of Vertical Structure Splice Element Rated Poor (Each)			
vert_struc_splice_elmt_rtg_severe	Integer	4	See vert_struc_splice_elmt_rtg_good for description.	Quantity of Vertical Structure Splice Element Rated Severe (Each)			

FieldName	Type	Length	Description/Definition	AliasName	DomainName	Drop-down options	Note
fndtn_cpnt_rtg_cd	Integer	4	Foundation Component Rating	Foundation Component Rating	cpnt_rating_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
fndtn_cpnt_comm	String	3999	Foundation Component Rating Comments	Foundation Component Rating Comments			
vert_struc_cpnt_rtg_cd	Integer	4	Vertical Structure Component Rating	Vertical Structure Component Rating	cpnt_rating_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
vert_struc_cpnt_comm	String	3999	Vertical Structure Component Rating Comments	Vertical Structure Component Rating Comments			
pole_strc_cpnt_rtg_cd	Integer	4	Overall calculated embedded component rating on a zero to nine scale. Calculated as the minimum of Foundation and Vertical Structure components. Should not be displayed on the inspection form.	Component Rating (Calculated Min)	cpnt_rating_cdtb	0. Failed 1. Imminent Failure 2. Critical etc.	
next_insp_freq	Double	8	Next inspection frequency. Default 120 months if Tower Inspection Type is Arm's Length Inspection. Default 60 months if Tower Inspection Type is Visual Inspection, unless suggested otherwise by most recent inspection. Justification Comment is required if Next Inspection Frequency is less than default=120 months for Arm's Length Inspection or default = 60 months for Visual Inspection.	Next Inspection Frequency			
just_comm	String	3999	Justification comment for Next Inspection Frequency. Required if Next Inspection Frequency is less than default. (Default = 120 months if Tower Inspection Type is Arm's Length Inspection, default= 60 months if Tower Inspection Type is Visual Inspection)	Justification Comment for Next Inspection Frequency			
qc_stat_cd	Integer	4	QC Status (Calculated from QA/QC Related Table)	QC Status (Calculated from QA/QC Related Table)	revw_stat_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	
qa_stat_cd	Integer	4	QA Status (Calculated from QA/QC Related Table)	QA Status (Calculated from QA/QC Related Table)	revw_stat_cdtb	1. N/R – Not Applicable 2. N/R – Not Accessible 3. Rating Conducted	

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QA QC, RFA and Work Rec

The QA/QC, RFA and Work Rec tables are to be used for all ancillary structures. The tables are shown below.

TableName: Structure_Insp_QA_QC

AliasName: Structure Insp QA QC
HasAttachments: false
Description: Structure Inspection QA QC

Field	DataType	Length	AliasName	Description	DomainName	Drop-down options
GlobalID	GlobalID	38	GlobalID	GlobalID		
revw_name	String	50	Name of Reviewer/Updater	Name of person completing the form		
revw_cmpy_cd	Integer	4	Company of Reviewer	Company of Reviewer	insp_cmpy_cdtb	
revw_date	Date	8	Review Date	Review Date		
revw_type_cd	Integer	4	Quality Review Type	Quality Review Type	revw_type_cdtb	1. QC Reviewer – Initial Review 2. Inspector – QC Comment Resolution 3. QC Reviewer – QC Comment Verification 4. QA Reviewer – Initial Review 5. Inspector – QA Comment Resolution 6. QA Reviewer – QA Comment Verification
revw_comm	String	3999	Quality Review Comments	Quality Review Comments		
revw_stat_cd	Integer	4	Quality Status After Review Complete	Quality Status After Review Complete	revw_stat_cdtb	1. QC Comments Addressed – Ready for Verification 2. QC Rejected – Issues to Address 3. QC Complete – Accepted
cret_uid	String	255	User who created the quality review	User who created the quality review		
cret_tmsp	Date	8	Date quality review was created	Date quality review was created		
updt_uid	String	255	User who updated the quality review	User who updated the quality review		
updt_tmsp	Date	8	Date quality review was created	Date quality review was created		
InspGUID	GUID	38	Inspection GUID (Foreign key for the Inspection Table)	Inspection GUID (Foreign key for the Inspection Table)		
qa_stat_cd	Integer	4	QA Status After Review Complete	QA Status After Review Complete	revw_stat_cdtb	4. QA Comments Addressed – Ready for Verification 5. QA Rejected – Issues to Address 6. QA Complete – Accepted
Revw_name	String	255	Name of Reviewer/Updater	Name of Reviewer/Updater		

TableName: Structure_Insp_RFA

AliasName: Structure RFA

HasAttachments: false
Description: Structure RFA

Field	DataType	Length	AliasName	Description	DomainName	Drop-down options
GlobalID	GlobalID	38	GlobalID	GlobalID		
AssetGUID	GUID	38	AssetGUID	AssetGUID		
insp_name	String	50	Inspector Name	InspectorName		
insp_cmpy_cd	Integer	4	Inspector Company	Inspector Company	insp_cmpy_cdtb	
mdot_regn_cd	Integer	4	MDOT Region from 1 to 7	MDOT Region	mdot_regn_cdtb	1. Superior 2. North 3. Grand etc.
mdot_tsc_cd	Integer	4	MDOT Transportation Service Center	TSC	mdot_tsc_cdtb	1. Alpena 19. Marshall 28. Huron etc.
insp_date	Date	8	Inspection Date	InspectionDate		
issue_desc	String	3999	Problems/Comments/Explanation	RFA Issue Description		
imd_actn_req_type_cd	SmallInteger	2	Immediate Action Requested	Immediate Action Type Requested	StructureImmediateAction	Click DomainName to view immediate actions for Culvert, Retaining wall, and Cantilever and Sign Structures. Immediate actions for other structures are to be determined
imd_actn_oth_desc	String	3999	Immediate Action – If Other, describe:	Immediate Action – If Other, describe:		
imd_actn_req_comm	String	3999	Immediate Action Request Comments	Immediate Action Request Comments		
imd_actn_rqstr	String	50	Immediate Action Requested By	Immediate Action Requested By		
imd_actn_rqst_date	Date	8	Immediate Action Request Date	Immediate Action Request Date		
imd_actn_cmptr	String	50	Immediate Action Completed By	Immediate Action Completed By		
imd_actn_cmpt_date	Date	8	Immediate Action Completion Date	Immediate Action Completion Date		
imd_actn_cmpt_comm	String	3999	Immediate Action Completion Comments	Immediate Action Completion Comments		
imd_actn_clos_date	Date	8	Immediate Action Closure Date	Immediate Action Closure Date		
imd_actn_open_date	Date	8	Immediate Action Open Date	Immediate Action Open Date		
prmy_intrmd_actn_rqst_type_cd	SmallInteger	2	First Intermediate Action Requested	First Intermediate Action Type Requested	StructureIntermediateAction	Click DomainName to view intermediate actions for Culvert, Retaining wall, and

						Cantilever and Sign Structures. Intermediate actions for other structures are to be determined
prmy_intrmd_actn_oth_desc	String	3999	First Intermediate Action – If Other, describe:	First Intermediate Action – If Other, describe:		
prmy_intrmd_actn_rqstr	String	50	First Intermediate Action Requested By	First Intermediate Action Requested By		
prmy_intrmd_actn_rqst_date	Date	8	First Intermediate Action Request Date	First Intermediate Action Request Date		
prmy_intrmd_actn_cntc_cd	SmallInteger	2	First Intermediate Action Contact	First Intermediate Action Contact	StructureContact	Click DomainName to view contacts for Culvert, Retaining wall, and Cantilever and Sign Structures. Contacts for other structures are to be determined
prmy_intrmd_actn_cntc_comm	String	3999	First Intermediate Action Contact Comment	First Intermediate Action Contact Comment		
prmy_intrmd_actn_cmptr	String	50	First Intermediate Action Completed By	First Intermediate Action Completed By		
prmy_intrmd_actn_cmpt_date	Date	8	First Intermediate Action Completion Date	First Intermediate Action Completion Date		
prmy_intrmd_actn_comments	String	3999	First Intermediate Action Completion Comments	First Intermediate Action Completion Comments		
secd_intrmd_actn_rqst_type_cd	SmallInteger	2	Second Intermediate Action Requested	Second Intermediate Action Type Requested	StructureIntermediateAction	Click DomainName to view intermediate actions for Culvert, Retaining wall, and Cantilever and Sign Structures. Intermediate actions for other structures are to be determined
secd_intrmd_actn_oth_desc	String	3999	Second Intermediate Action – If Other, describe:	Second Intermediate Action – If Other, describe:		
secd_intrmd_actn_rqstr	String	50	Second Intermediate Action Requested By	Second Intermediate Action Requested By		
secd_intrmd_actn_rqst_date	Date	8	Second Intermediate Action Request Date	Second Intermediate Action Request Date		
secd_intrmd_actn_cntc_cd	SmallInteger	2	Second Intermediate Action Contact	Second Intermediate Action Contact	StructureContact	Click DomainName to view contacts for Culvert, Retaining wall, and Cantilever and Sign Structures. Contacts for other structures are to be determined

secd_intrmd_actn_cntc_comm	String	3999	Second Intermediate Action Contact Comment	Second Intermediate Action Contact Comment		
secd_intrmd_actn_cmptr	String	50	Second Intermediate Action Completed By	Second Intermediate Action Completed By		
secd_intrmd_actn_cmpt_date	Date	8	Second Intermediate Action Completion Date	Second Intermediate Action Completion Date		
secd_intrmd_actn_comments	String	3999	Second Intermediate Action Completion Comments	Second Intermediate Action Completion Comments		
thrd_intrmd_actn_rqst_type_cd	SmallInteger	2	Third Intermediate Action Requested	Third Intermediate Action Type Requested	StructureIntermediateAction	Click DomainName to view intermediate actions for Culvert, Retaining wall, and Cantilever and Sign Structures. Intermediate actions for other structures are to be determined
thrd_intrmd_actn_oth_desc	String	3999	Third Intermediate Action – If Other, describe:	Third Intermediate Action – If Other, describe:		
thrd_intrmd_actn_rqstr	String	50	Third Intermediate Action Requested By	Third Intermediate Action Requested By		
thrd_intrmd_actn_rqst_date	Date	8	Third Intermediate Action Request Date	Third Intermediate Action Request Date		
thrd_intrmd_actn_cntc_cd	SmallInteger	2	Third Intermediate Action Contact	Third Intermediate Action Contact	StructureContact	Click DomainName to view contacts for Culvert, Retaining wall, and Cantilever and Sign Structures. Contacts for other structures are to be determined
thrd_intrmd_actn_cntc_comm	String	3999	Third Intermediate Action Contact Comment	Third Intermediate Action Contact Comment		
thrd_intrmd_actn_cmptr	String	50	Third Intermediate Action Completed By	Third Intermediate Action Completed By		
thrd_intrmd_actn_cmpt_date	Date	8	Third Intermediate Action Completion Date	Third Intermediate Action Completion Date		
thrd_intrmd_actn_comments	String	3999	Third Intermediate Action Completion Comments	Third Intermediate Action Completion Comments		
fnl_actn_rqst_type	String	3999	Final Action Requested	Final Action Requested		
fnl_actn_rqstr	String	50	Final Action Requested By	Final Action Requested By		

fnl_actn_rqst_date	Date	8	Final Action Request Date	Final Action Request Date		
fnl_actn_cmptr	String	50	Final Action Completed By	Final Action Completed By		
fnl_actn_cmpt_date	Date	8	Final Action Completion Date	Final Action Completion Date		
fnl_actn_comm	String	3999	Final Action Completion Comments	Final Action Completion Comments		
created_user	String	255	User who created the RFA	User who created the RFA		
created_date	Date	8	Date RFA created	Date RFA created		
last_edited_user	String	255	User who last edited the RFA	User who last edited the RFA		
last_edited_date	Date	8	Date RFA last edited	Date RFA last edited		
rfa_stat_cd	Integer	4	RFA Status	RFA status to be updated during RFA review sessions	rfa_stat_cdtb	1. Open 2. Open Reviewed/Confirmed 3. RFA (by RFA Committee) 4. Project created/assigned 5. Closed
rfa_id	String	50	RFA ID	RFA ID unique identifier to be populated via script. Format will be RFA + strc_type_cd + (unique, sequential number for RFA). E.g., RFA-SS-001		
rfa_prty_cd	Integer	4	RFA Priority	RFA Priority Level (1, 2, 3)	rfa_prty_cdtb	0. Undetermined 1. Priority Level 1 2. Priority Level 2 3. Priority Level 3
insp_qc_stat_cd	Integer	4	Inspection QC Status	QC Status of the inspection associated with RFA	qc_stat_cdtb	
insp_qa_stat_cd	Integer	4	Inspection QA Status	QA Status of the inspection associated with RFA	qa_stat_cdtb	

TableName: Structure_WorkRec

AliasName: Structure WorkRec
HasAttachments: false
Description: Structure WorkRec

MiASIM Appendix A
Ancillary Structures Data Dictionary

Field	DataType	Length	AliasName	Description	DomainName	Drop-down options
GlobalID	GlobalID	38	GlobalID	GlobalID		
AssetGUID	GUID	38	AssetGUID	AssetGUID		
InspGUID	GUID	38	InspGUID	Foreign Key to the Inspection Table		
mdot_regn_cd	Integer	4	MDOT Region from 1 to 7	MDOT Region	mdot_regn_cdtb	1. Superior 2. North 3. Grand etc.
mdot_tsc_cd	Integer	4	MDOT Transportation Service Center	TSC	mdot_tsc_cdtb	1. Alpena 19. Marshall 28. Huron etc.
CRET_BY_USER_ID	String	255	User who created the Work Rec	User who created the Work Rec		
CRET_DATE	Date	8	Date Work Rec created	Date Work Rec created		
MOD_USER_ID	String	255	User who last edited Work Rec	User who last edited Work Rec		
MOD_DATE	Date	8	Date Work Rec last edited	Date Work Rec last edited		
FC_FS_RECM_TYP_CD	Integer	4	Structure Work Recommendation Type	Structure Work Recommendation Type	StructureWorkRecType Culvert(CulvertWorkRecType) Retaining Wall (RetainingWallWorkRecType) Cantilever and Truss Structure (sign_sppt_work_rec_type_cdtb) Spun Concrete Pole (c_spun_work_rec_type_cdtb) Embedded Pole (embed_strain_work_rec_type_cdtb) Noise Wall (n_wall_work_rec_type_cdtb) Mast Arm (m_arm_work_rec_type_cdtb) DMS Support Structure (dms_ss_work_rec_type_cdtb) Frangible and Non-Frangible Pole Structure (fnf_ls_work_rec_type_cdtb) High-Mast Lighting Tower (hmlt_work_rec_type_cdtb) Environmental Sensor Station Tower (esst_work_rec_type_cdtb) Communication Tower (ct_work_rec_type_cdtb)	Click DomainName to view draft of work recommendation types
Work_recm_type_other	String	255	If other, please describe.	“Other” work recommendation type		
FC_FS_RECM_COMM	String	4000	Work Recommendation Comment	Work Recommendation Comment		
FC_FS_RECM_PRTY	Integer	4	Work Recommendation Priority	Work Recommendation Priority	WorkRecPriority	1. High 2. Medium 3. Low
INSPTYPE	Integer	4	Inspection Type	Inspection Type	insp_type_cdtb	1. Routine 2. Damage 99. Other
work_rec_stat_cd	Integer	4	Work Recommendation Status	Status of work recommendation:	work_rec_stat_cdtb	0. Open 10. Assigned 20. Complete

				Open, Assigned, Complete		
work_rect_cmpt_date	Date	8	Work Recommendation Completion Date	Date work recommendation was completed		
qty_matl	Double	8	Estimated Quantity of Primary Material Needed for Work Rec	This is the quantity of the material identified in the Work Rec type. If other materials will be needed, describe in the comments.		
Insp_cmpy_cd	Integer	4	Inspection Company	Name of company performing inspection.	insp_cmpy_cdtb	insp_cmpy_cd
insp_qc_stat_cd	Integer	4	Inspection QC Status	QC Status of the inspection associated with RFA	qc_stat_cdtb	insp_qc_stat_cd
insp_qa_stat_cd	Integer	4	Inspection QA Status	QA Status of the inspection associated with RFA	qa_stat_cdtb	insp_qa_stat_cd

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Domain for RFA Structure Contacts (StructureContact)

RFA Contacts and Actions for ancillary structures

Culvert Contact (DomainName: CulvertContact)

Description: RFA Contact for Culverts

Code	Name
1	BOBS - Culvert Specialist
2	BOBS - Geotechnical
3	TSC - Operations
4	Region - Bridge

Retaining Wall Contact (DomainName: RetainWallContact)

Description: RFA Contact for Retaining Walls

Code	Name
1	BOBS - Geotechnical
2	TSC - Operations

Cantilever and Truss Structure Contact (DomainName: TrussContactContact)

Description: RFA Contact for Cantilever and Truss structures

Code	Name
1	BOBS - Statewide Sign Shop
2	TSMO - Signs
3	TSMO - ITS
4	BOBS - Structural Fabrication
5	TSC - Operations
6	Region - Operations

Domain for RFA Immediate Actions (StructureImmediateAction)

RFA Immediate Actions for ancillary structures

Culvert Immediate Action (DomainName: CulvertImmediateAction)

Description: RFA Immediate Action for Culverts

Code	Name
1	Close Lane(s)
2	Close Shoulder
3	Repair Culvert/Embankment
4	Culvert Cleanout
5	Ditch Cleanout

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99	Other

Retaining Wall Immediate Action (DomainName: RetainWallImmediateAction)
Description: RFA Immediate Action for Retaining Walls

Code	Name
1	Close Lower Lane(s)
2	Close Shoulder
3	Close Upper Lane(s)
4	Remove Wall
5	Repair Wall
99	Other

Cantilever and Truss Structure Immediate Action (DomainName: TrussImmediateImmediateAction)
Description: RFA Immediate Action for Cantilever and Truss Structures

Code	Name
1	Close Lane(s)
2	Close Shoulder
3	Remove Structure
4	Remove Object
5	Repair Structure
6	Establish Electrically Safe Working Condition
7	Other

Domain for RFA Intermediate Actions (StructureIntermediateAction)
RFA Intermediate Actions for ancillary structures

Culvert Intermediate Action (DomainName: CulvertIntermediateAction)
Description: RFA Intermediate Action for Culverts

Code	Name
1	Detailed Inspection
2	Damage Inspection
3	Repair Culvert/Embankment
4	Culvert Cleanout
5	Ditch Cleanout
6	Scour Countermeasures
99	Other

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Retaining Wall Intermediate Action (DomainName: RetainWallIntermediateAction)

Description: RFA Immediate Action for Retaining Walls

Code	Name
1	Close Lower Lane(s)
2	Close Shoulder
3	Close Upper Lane(s)

Cantilever and Truss Structure Intermediate Action (DomainName: TrussIntermediateAction)

Description: RFA Intermediate Action for Cantilever and Truss Structures

Code	Name
1	Damage Inspection
2	Detailed Inspection
3	Install Temp Sign/Structure
4	Other

Domain for Work Recommendation Type (StructureWorkRecType)

Structure Work Recommendation Type for ancillary structures.

Culvert (DomainName: CulvertWorkRecType)

Description: Draft of Work Recommendation Type for culverts

Code	Name
1	Channel – Install/Repair Scour Countermeasures (Rock, CF)
2	Channel - Monitor Scour
3	Substructure - Repair Abutment / Wings / Headwall (Concrete, CF)
4	Repair/Replace End Treatment (Each)
5	Repair washouts/erosion (CF)
6	Approach Pavement Repair (Asphalt, SF)
7	Brush Cut (Brush, CY)
8	Culvert Cleanout (Sediment, CF)
9	Clean and/or paint/re-seal concrete for graffiti removal (Concrete, SF)
10	Seal Barrel (Joint sealer, LF)
11	Seal cracks (Crack sealer, LF)
12	Barrel repair (Barrel material, as needed, SF)
13	Install Culvert Liner (Liner, LF)
14	Replace Culvert (Culvert, LF)
99	Other

Retaining Wall (DomainName: RetainingWallWorkRecType)

Description: Draft of Work Recommendation Type for retaining wall

Code	Name
1	Clean and/or paint/re-seal wall (Concrete, SF)
2	Tighten/repair timber wall facing (Wood, SF)
3	Patch Spalls: Patch delaminations or spalls on concrete or masonry wall facing (Concrete, SF)
4	Repair damaged wall facing (Concrete, SF)
5	Metal/Corrosion: Remove corrosion and overlay protective coating on metal wall facing (Metal Coating System, SF)
6	Fill erosion/scour holes around wall (Stone, CF)
7	Repair concrete foundation (Concrete, CF)
8	Clean and/or paint vertical support members (Paint, SF)
9	Repair vertical support member (Concrete/Steel, LF)
10	Stabilize vertical supports re-stabilize vertical support member (insert grout plugs, anchors, etc.) (Vertical Support, Each)
11	Repair/replace anchors (Steel/Concrete, Each Anchor)
12	Repair Wall Railing (Steel, LF)
13	Paint Coping: Clean and/or paint coping/pilaster (Paint, SF)
14	Replace coping/pilaster (Concrete, SF)
15	Repair concrete coping/pilaster (Concrete, SF)
16	Backfill Erosion: Fill erosion/voids/scour holes in backfill (Earth/stone, CY)
17	Re-stabilize Slope (Earth/Stone/Other, CY)
18	Seal Open Joint (non-expansion) (Joint Filler, LF)
19	Repair Barrel (non-expansion) e.g. "D" cracking. (Concrete, SF)
20	Repair/replace expansion Barrel and seals (Sealant (variable), LF)
21	Tighten Expansion Joint (, LF)
22	Repair/replace Weep Holes (Concrete, Each)
23	Repair/replace drain swales/area drains/other drains (N/A, LF)
24	Install weep holes (for walls with no prior drainage) (N/A, Each)
25	Install drainage swales/area drains/other drains (N/A, LF)
26	In-Depth Inspection
99	Other

Cantilever and Truss Structures (DomainName: sign_sppt_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for Cantilever and Sign Strucctures

Code	Name
1	Repair Guardrail (protecting foundation and pole) (Galvanized Steel, LF)
2	Correct erosion at foundation (prevent undermining) (Stone/Soil, CF)
3	Install/replace U-bolt (U-Bolt Assembly, Each)

4	Repair web member angle supports (Angle Support, Each)
5	Repair vertical sign support (Galvanized Steel, LF)
6	Repair galvanizing (Galvanic Paint, SQ IN)
7	Replace splice connection bolt (Bolt, Each)
8	Tighten splice connection bolt (tri-chords only) (Bolt, Each)
9	Repair truss chord (Galvanized Steel, LF)
10	Replace end cap (End Cap, Each)
11	Replace end cap bolt (Galvanized Steel, Each bolt)
12	Replace sign mount connection bolt (Galvanized Steel, Each bolt)
13	Tighten leveling nut (Galvanized Steel, Each nut)
14	Address loose bolts (Galvanized Steel, Each bolt)
15	Weld repair (Steel, Each weld)
16	Replace arm/chord to upright bolted connection bolts (Galvanized Steel, Each bolt)
17	Replace bolted connection bolts for internal truss connections (vertical or horizontal) (Galvanized Steel, Each bolt)
18	Replace sign panel bolts (Galvanized Steel, Each bolt)
19	Tighten sign panel bolts (Galvanized Steel, Each bolt)
20	Replace/repair sign panels (Aluminum, Each sign)
21	Remove graffiti from steel structural element (Square foot)
22	Remove graffiti from sign face (Square foot)
23	Remove non-MDOT attachments to structures (Attachment, Each)
24	Repair/replace ID stencil on upright (Paint, Each stencil)
25	Replace sign connection assembly (Galvanized Steel, Each assembly)
26	replace sign connection clamp (Galvanized Steel, Each clamp)
27	Replace sign panel connector (Galvanized Steel, Each)
28	Secure U-bolt spacer (Galvanized Steel, Each)
29	Install elastomeric pad (Elastomeric Pad, Each)
30	Tighten U-bolt (Galvanized Steel, Each)
31	Repair/monitor foundation (Concrete, CF)
99	Other

Embedded Pole and Strain Pole (DomainName: embed_strain work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for embedded poles and strain poles

Code	Name
1	Repair guardrail (protecting pole) (Galvanized Steel, Linear feet)
2	Correct erosion (Stone/Soil, CF)
3	Repair/monitor foundation (Concrete, CF)
4	Repair/replace handhole cover (Galvanized Steel, Each cover)
5	Remove non-MDOT or unauthorized attachments to structures (Various Each item)

6	Remove graffiti (n/a, Square foot)
7	Repair galvanizing (Galvanic Paint, Square inch)
8	Repair protective coatings system (Metal Coatings System, Square foot)
9	Tighten leveling nut (Galvanized Steel, Each nut)
10	Address loose bolts (Galvanized Steel, Each bolt)
11	Weld repair (Steel, Each weld)
12	Replace pole band clamps (Galvanized Steel, Each clamp)
13	Replace through bolt assembly (Galvanized Steel, Each assembly)
14	Tension anchor wire (Steel Strand, Each)
15	Replace anchor wire (Steel Strand, Linear feet)
16	Replace anchor (Galvanized Steel, Each anchor)
17	Replace arm guy/pole guy/guy strut/ guy guard (Various, Each)
18	Tension span wire (Steel Strand, Each)
19	Replace span wire (Steel Strand, Linear feet)
20	Replace span wire hanger (Galvanized Steel, Each)
21	Replace pole cap (Galvanized Steel, Each cap)
22	Replace pole cap bolt (Galvanized Steel, Each bolt)
23	Replace preformed dead-end (Preformed Dead-end, Each preformed dead-end)
24	Replace connectors (Galvanized Steel, Each connector)
25	Replace service cap, PVC (PVC, Each cap)
26	Replace service cap, metal (Galvanized Steel, Each cap)
27	Replace Luminaire (Various, Each luminaire)
28	Replace Luminaire arm (Galvanized Steel, Each arm)
29	Replace Luminaire arm clamp (Galvanized Steel, Each clamp)
30	Replace bracket assembly (Galvanized Steel, Each assembly)
31	Replace signal head (Various, Each signal head)
32	Replace case sign (Various, Each sign)
33	Replace misc. attachment (Various, Each attachment)
34	Replace miscellaneous arm or bracket (Various, Each arm or bracket)
99	Other

Steel Strain Poles (DomainName: s_strain_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for steel strain poles

Code	Name
1	Repair guardrail (protecting pole) (Galvanized Steel, Linear feet)
2	Correct erosion at foundation (prevent undermining) (Stone/Soil, Cubic feet)
3	Repair/monitor foundation (Concrete, Cubic feet)
4	Repair/replace handhole cover (Galvanized Steel, Each cover)
5	Remove non-MDOT or unauthorized attachments to structures (Various Each item)
6	Remove graffiti (n/a, Square foot)
7	Repair galvanizing (Galvanic Paint, Square inch)
8	Repair protective coatings system (Metal Coatings System, Square foot)

9	Tighten leveling nut (Galvanized Steel, Each nut)
10	Address loose bolts (Galvanized Steel, Each bolt)
11	Weld repair (Steel, Each weld)
12	Replace pole band clamps (Galvanized Steel, Each clamp)
13	Tension span wire (Steel Strand, Each)
14	Replace span wire (Steel Strand, Linear feet)
15	Replace span wire hanger (Galvanized Steel, Each)
16	Replace pole cap (Galvanized Steel, Each cap)
17	Replace pole cap bolt (Galvanized Steel, Each bolt)
18	Replace preformed dead-end (Preformed Dead-end, Each preformed dead-end)
19	Replace connectors (Galvanized Steel, Each connector)
20	Replace service cap, PVC (PVC, Each cap)
21	Replace service cap, metal (Galvanized Steel, Each cap)
22	Replace luminaire (Various, Each luminaire)
23	Replace luminaire arm (Galvanized Steel, Each arm)
24	Replace luminaire arm clamp (Galvanized Steel, Each clamp)
25	Replace bracket assembly (Galvanized Steel, Each assembly)
26	Replace signal head (Various, Each signal head)
27	Replace case sign (Various, Each sign)
28	Replace misc. attachment (Various, Each attachment) connecting appurtenances
29	Replace miscellaneous arm or bracket (Various, Each arm or bracket)
99	Other

Noise Wall (DomainName: n_wall_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for noise walls

Code	Name
1	Clean and/or paint re-seal wall, remove graffiti (Concrete, SF)
2	Tighten/repair timber wall facing (Wood, SF)
3	Repair/monitor foundation (Concrete, Cubic feet)
4	Remove vegetation growth (N/A, N/A)
5	Patch Spalls: Patch delamination or spalls on concrete or masonry (Concrete, SF)
6	Repair damaged wall facing (Concrete, SF)
7	Metal/Corrosion: Remove corrosion and overlay protective coating (Metal Coating system, SF)
8	Fill erosion/scour holes around wall (Earth / stone fill, CF)
9	Repair concrete foundation (Concrete, CF)
10	Paint Vertical Supports Clean and/or paint vertical support members (Paint, SF)
11	Repair Vertical Support member (Concrete/Steel, LF)
12	Paint Coping Clean and/or paint coping/pilaster (Paint, SF)
13	Replace coping/pilaster (Concrete, SF)
14	Repair concrete coping/pilaster (Concrete, SF)
15	Repair and Monitor the berms (Soil, CF)

16	Masonry Noise Wall Joint Repair – T Type with expansion joint in middle of panel (Joint Seal, LF)
17	Masonry Noise Wall Joint Repair – H type with expansion joint in the column (Joint Seal, LF)
99	Other

Mast Arm (DomainName: m_arm_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for Mast Arms

Code	Name
1	Repair guardrail (protecting pole) (Galvanized Steel, Linear feet)
2	Correct erosion at foundation (prevent undermining) (Stone/Soil, Cubic feet)
3	Repair/monitor foundation (Concrete, Cubic feet)
4	Repair/replace handhole cover (Galvanized Steel, Each cover)
5	Remove non-MDOT or unauthorized attachments to structures. (Various, Each item)
6	Remove graffiti (n/a, Square foot)
7	Repair galvanizing (Galvanic Paint, Square inch)
8	Repair protective coatings system (Metal Coatings System, Square foot)
9	Tighten leveling nut (Galvanized Steel, Each nut)
10	Address loose bolts (Galvanized Steel, Each bolt)
11	Weld repair (Steel, Each weld)
12	Replace mast arm (Galvanized Steel, Each mast arm)
13	Replace mast arm splice bolt (Galvanized Steel, Each bolt)
14	Replace mast arm attachment connection (Galvanized Steel, Each attachment connection)
15	Replace end cap (Galvanized Steel, Each cap)
16	Replace end cap bolt (Galvanized Steel, Each bolt)
17	Replace connectors such as clevis pins or other (Galvanized Steel, Each connector)
18	Address loose or detached connectors by reconnecting or rethreading (N/A, Each connector)
19	Replace luminaire (Various, Each luminaire)
20	Replace luminaire arm (Galvanized Steel, Each attachment)
21	Replace luminaire arm clamp (Galvanized Steel, Each clamp)
22	Replace bracket assembly (Galvanized Steel, Each assembly)
23	Replace signal head (Various, Each signal head)
24	Replace case sign (Various, Each sign)
25	Replace miscellaneous arm or bracket (Various, Each arm or bracket)
26	Replace fatigue mitigation device (Various, Each device)
99	Other

Spun Concrete Pole (DomainName: c_spun_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for Spun Concrete poles

Code	Name
1	Repair guardrail (protecting pole) (Galvanized Steel, Linear feet)
2	Repair/monitor foundation (Concrete, Cubic feet)

3	Correct erosion or grading (Stone/Soil, Cubic feet)
4	Repair/replace handhole cover (Galvanized Steel, Each cover)
5	Epoxy crack injection (Epoxy, Lineal foot)
6	Patch delamination or spalls (Concrete, Square foot)
7	Address loose connections (Each Connection)
8	Remove graffiti (n/a, Square foot)
9	Replace pole band (Stainless Steel, Each band)
10	Replace misc. attachment (Various, Each)
11	Clear out weep holes
12	Remove debris from inside of pole
13	Remove non-MDOT or unauthorized attachments to structures (Various, Each item)
99	Other

Dynamic Message Sign Support Structure (DomainName: dms_ss_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for Dynamic Message Sign Support Structure

Code	Name
1	Repair Guardrail (protecting foundation and pole) (Galvanized Steel, Linear feet)
2	Correct erosion at foundation (prevent undermining) (Stone/soil, Cubic feet)
3	Repair/Monitor foundation (Concrete, Cubic feet)
4	Tighten leveling nut (Galvanized Steel, Each nut)
5	Install/replace U-bolt (Galvanized Steel, Each assembly)
6	Tighten U-bolt (Galvanized Steel, Each)
7	Secure U-bolt spacer (Galvanized Steel, Each)
8	Replace sign connection assembly (Galvanized Steel, Each assembly)
9	Repair web member angle supports (Galvanized Steel, Each angle)
10	Repair vertical sign support (Galvanized Steel, linear foot of upright)
11	Repair galvanizing (Galvanic Paint, Square inch)
12	Repair chord (Galvanized Steel, Linear foot)
13	Replace end cap (Galvanized Steel, Each cap)
14	Replace end cap bolt (Galvanized Steel, Each bolt)
15	Tighten leveling nut (Galvanized Steel, Each nut)
16	Address Loose Bolts (Galvanized Steel, Each bolt)
17	Weld repair (Steel, Each weld)
18	Replace arm/chord to upright bolted connection bolts (Galvanized Steel, Each bolt)
19	Replace bolted connection bolts for internal truss connections (vertical or horizontal) (Galvanized Steel, Each bolt)
20	Replace sign panel bolts (Galvanized Steel, Each bolt)
21	Tighten sign panel bolts (Galvanized Steel, Each bolt)
22	Remove graffiti from steel structural element (n/a, Square foot)
23	Remove graffiti from sign (n/a, Square foot)
24	Repair/replace ID stencil on upright (Paint, Each stencil)
25	Replace elastomeric pads between dissimilar metals (Elastomeric Pad, Each pad)
26	Repair railing/walkway (Galvanized Steel, Lb)

99	Other

Frangible and Non-Frangible Pole Structures (DomainName: fnf_ls_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for Frangible and Non-Frangible Pole Structure

Code	Name
1	Repair guardrail (protecting pole) (Galvanized Steel, Linear feet)
2	Correct erosion at foundation (prevent undermining) (Stone/Soil, Cubic feet)
3	Repair/monitor foundation (Concrete, Cubic feet)
4	Tighten leveling nut (Galvanized Steel, Each nut)
5	Replace transformer base cover (Aluminum, Each cover)
6	Address loose transformer base nuts (Galvanized Steel, Each nut)
7	Replace transformer base (Aluminum, Each base)
8	Replace baseplate to transformer base bolts (Galvanized Steel, Each bolt)
9	Repair/replace handhole cover (Galvanized Steel, Each cover)
10	Remove non-MDOT or unauthorized attachments to structures. (Various, Each item)
11	Remove graffiti (n/a, Square foot)
12	Repair galvanizing (Galvanic Paint, Square inch)
13	Repair paint (Metal Coatings System, Square foot)
14	Address loose bolts (Galvanized Steel, Each bolt)
15	Weld repair (Steel, Each weld)
16	Replace pole cap (Galvanized Steel, Each cap)
17	Replace pole cap bolt (Galvanized Steel, Each bolt)
18	Replace luminaire (Various, Each luminaire)
19	Replace luminaire arm/tenon (Steel or Aluminum, Each arm/tenon)
20	Replace arm/tenon connection (Steel or Aluminum, Each connection)
21	Replace bracket assembly (Galvanized Steel, Each assembly)
22	Replace misc. attachment connecting appurtenance (Various, Each attachment)
99	Other

High-Mast Lighting Tower (DomainName: hmlt_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for High-Mast Lighting Tower

Code	Name
1	Correct erosion at foundation (prevent undermining) (Stone/Soil, Cubic feet)
2	Repair/monitor foundation (Concrete, Cubic feet)
3	Address loose or damaged grounding wire/ground rod (Steel, Each)
4	Address loose or damaged lightning rod (N/A, Each)
5	Tighten leveling nut (Galvanized Steel, Each nut)

6	Repair/replace handhole cover (Galvanized Steel, Each cover)
7	Remove graffiti (n/a, Square foot)
8	Repair galvanizing (Galvanic Paint, Square inch)
9	Repair painting (Paint, Square Inch)
10	Weld repair at upright to base plate connection (Steel, Each weld)
11	Weld repair at splice connections (Steel, Each weld)
12	Replace luminaire (Various, Each light)
13	Replace lighting array (Steel, Each array)
14	Repair/service lowering device (Various, Each lowering device)
15	Repair/replace ID stencil on upright (Paint, Each Stencil)
99	Other

Environmental Sensor Station Tower (DomainName: esst_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for Environmental Sensor Station Tower

Code	Name
1	Correct erosion at foundation (prevent undermining) (Stone/Soil, Cubic feet)
2	Repair/monitor foundation (Concrete, Cubic feet)
3	Address loose or damaged grounding wire/ground rod (Steel, Each)
4	Address damaged or missing lightning rod (N/A, Each)
5	Address loose or damaged anti-climb panels (Aluminum, Each)
6	Tighten leveling nut (Galvanized Steel, Each nut)
7	Repair galvanizing (Galvanic Paint, Square inch)
8	Repair grout pad (Cementitious Grout, Cubic feet)
9	Address loose bolts (Steel, Each bolt)
10	Address loose connectors (Steel, Each connector)
11	Repair hinge connection (Galvanized Steel/Aluminum, Lb..)
12	Repair/service lowering device (Boom or other, each lowering device)
13	Repair or replace misc. attachment connecting appurtenances (Various, Each attachment)
14	Replace or remove misc. appurtenances (Various, Each appurtenances)
99	Other

Communication Tower (DomainName: ct_work_rec_type_cdtb)

Description: Draft of Work Recommendation Type for Communication Tower

Code	Name
1	Correct erosion at foundation (prevent undermining) (Stone/Soil, Cubic feet)
2	Repair/monitor foundation (Concrete, Cubic feet)
3	Address grounding wire (Steel, Each)
4	Tighten leveling nut (Galvanized Steel, Each nut)

5	Repair galvanizing (Galvanic Paint, Square inch)
6	Repair painting (Paint, Square inch)
7	Repair grout pad (Cementitious Grout, Cubic feet)
8	Address loose bolts (Galvanized Steel, Each bolt)
9	Address loose connectors (Galvanized Steel, Each connector)
10	Repair bracing (Galvanized Steel, Each brace)
11	Replace bracing (Galvanized Steel, Each brace)
12	Weld repair at splice connections (Steel, Each weld)
13	Replace misc. attachment (Various, Each attachment)
14	Repair or replace jacketing on coaxial (Various, Each)
15	Repair leaks into conduit (Various, Each)
16	Add supports for waveguides (Galvanized Steel, Each waveguide)
17	Add or replace guy wires (Various, Each)
18	Remove empty dish mounts (Various, Each)
19	Remove cables extending to empty dish mounts (Various, Each)
99	Other

Other Domains

Domains of fields showing all drop down options

Inspection Company

insp_cmpy_cdtb
Description: Companies inspecting the structures

Code	Name
1	MDOT
2	HNTB
3	Collins
4	SME
6	TUV
7	RS&H
8	Corby
9	Spicer
99	Other

MDOT Garages

DomainName: mdot_grg_cdtb
Description: MDOT garage whose jurisdiction the asset resides

Code	Name
1	Alcona CRC
2	Alger CRC
3	Alpena CRC
4	Antrim CRC
5	Arenac CRC
6	Bay CRC
7	Benzie CRC
8	Branch CRC
9	Calhoun CRC
10	Charlevoix CRC
11	Cheyboygan CRC
12	Chippewa CRC
13	City of Adrian
14	City of Albion
15	City of Allegan
16	City of Alma
17	City of Alpena
18	City of Ann Arbor
19	City of Bad Axe
20	City of Battle Creek
21	City of Bay City
22	City of Big Rapids
23	City of Brown City
24	City of Cadillac
25	City of Calumet
26	City of Caro
27	City of Cass City
28	City of Charlevoix
29	City of Chelsea
30	City of Cheyboygan
31	City of Clare
32	City of Clio
33	City of Coldwater
34	City of Crystal Falls
35	City of Davidson
36	City of Dowagic
37	City of East Lansing
38	City of East Tawas
39	City of Eastpoint
40	City of Eaton Rapids

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41	City of Farmington
42	City of Fennville
43	City of Ferndale
44	City of Flint
45	City of Frankenmuth
46	City of Fremont
47	City of Gaylord
48	City of Grand Ledge
49	City of Grand Rapids
50	City of Greenville
51	City of Hancock
52	City of Harbor Beach
53	City of Harbor Springs
54	City of Hillsdale
55	City of Houghton
56	City of Howell
57	City of Iron Mountain
58	City of Iron River
59	City of Ironwood
60	City of Ishpeming
61	City of Ithaca
62	City of Jackson
63	City of Jonesville
64	City of Kalamazoo
65	City of Kingsford
66	City of Lake Linden
67	City of Lansing
68	City of Lapeer
69	City of Larium
70	City of Litchfield
71	City of Lowell
72	City of Ludington
73	City of Mackinac Island
74	City of Mancelona
75	City of Manistee
76	City of Manistique
77	City of Marlette
78	City of Marquette
79	City of Marshall
80	City of Menominee
81	City of Midland
82	City of Millington
83	City of Monroe
84	City of Montrose
85	City of Mt Clemens
86	City of Munising

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87	City of Muskegon
88	City of Negaunee
89	City of Niles
90	City of Otsego
91	City of Owosso
92	City of Petosky
93	City of Piegon
94	City of Pontiac
95	City of Port Huron
96	City of Reed City
97	City of Richmond
98	City of Rochester
99	City of Rogers City
100	City of Roseville
101	City of Saginaw
102	City of Saline
103	City of Sandusky
104	City of Sault Ste Marie
105	City of South Haven
106	City of Springfield
107	City of St Ignace
108	City of St Louis
109	City of Sturgis
110	City of Tawas City
111	City of Tecumseh
112	City of Three Rivers
113	City of Traverse City
114	City of Vassar
115	City of Wakefield
116	City of Wayne
117	City of West Branch
118	City of Ypsilanti
119	Clare CRC
120	Clinton CRC
121	Crawford CRC
122	Delta CRC
123	Dickinson CRC
124	Emmet CRC
125	Genesee CRC
126	Gladwin CRC
127	Gogebic CRC
128	Grand Traverse CRC
129	Gratiot CRC
130	Hillsdale CRC
131	Huron CRC
132	International Bridge Authority

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133	Ionia CRC
134	Iosco CRC
135	Iron CRC
136	Jackson CRC
137	Kent CRC
138	Keweenaw CRC
139	Lake CRC
140	Lapeer CRC
141	Leelanau CRC
142	Luce CRC
143	Mackinac Bridge Authority
144	Macomb CRC
145	Manistee CRC
146	Marquette CRC
147	Mason CRC
148	MDOT Adrian
149	MDOT Atlanta
150	MDOT Blue Water Bridge
151	MDOT Brighton
152	MDOT Charlotte
153	MDOT Coloma
154	MDOT Detroit
155	MDOT East Side
156	MDOT Engadine
157	MDOT Fennville
158	MDOT Grand Ledge
159	MDOT Hastings
160	MDOT Houghton
161	MDOT Jones
162	MDOT Kalamazoo
163	MDOT Kalkaska
164	MDOT L'Anse
165	MDOT Marion
166	MDOT Marshall
167	MDOT Mason
168	MDOT Mio
169	MDOT Mt Pleasant
170	MDOT Niles
171	MDOT Plainwell
172	MDOT Reed City
173	MDOT Sawyer
174	MDOT South Haven
175	MDOT St Ignace
176	MDOT West Side
177	MDOT Williamston
178	Mecosta CRC

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179	Menominee CRC
180	Midland CRC
181	Missaukee CRC
182	Monroe Contractor
183	Montcalm CRC
184	Muskegon CRC
185	Newaygo CRC
186	Oakland CRC
187	Oceana CRC
188	Ogemaw CRC
189	Ontonagon CRC
190	Otsego CRC
191	Ottawa CRC
192	Presque Isle CRC
193	Roscommon CRC
194	Sanilac CRC
195	Schoolcraft CRC
196	Shiawassee CRC
197	St Clair CRC
198	Tuscola CRC
199	Village of Lake Odessa
200	Village of Nashville
201	Village of Ontonagon
202	Washtenaw CRC
203	Wayne CRC
204	Weigh Stations and Rest Areas
205	Wexford CRC

Structure Owner Type and Structure Maintainer Type

DomainName: owner_cdtb
Description: NBI Item 22 - Owner --2 digits--Actual names--of the owners--of the structure

Code	Name
1	State Highway Agency
2	County Highway Agency
3	Town or Township Highway Agency
4	City or Municipal Highway Agency
11	State Park, Forest, or Reservation Agency
12	Local Park, Forest, or Reservation Agency
21	Other State Agencies
25	Other Local Agencies
26	Private-other than railroad
27	Railroad

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31	State Toll Authority
32	Local Toll Authority
60	Other Federal Agencies-not listed below
61	Indian Tribal Government
62	Bureau of Indian Affairs
63	Bureau of Fish and Wildlife
64	US Forest Service
66	National Park Service
67	Tennessee Valley Authority
68	Bureau of Land Management
69	Bureau of Reclamation
70	Corps of Engineers-Civil
71	Corps of Engineers-Military
72	Air Force
73	Navy/Marines
74	Army
75	NASA
76	Metropolitan Washington Airports Service
77	Private Owner
80	Unknown

Railroad Name

DomainName: rail_name_cdtb
Description: Name of railroad if coordination is required.

Code	Name
1	Canadian National Railway
2	Lake Superior & Ishpeming Rail
3	Lake State Railway
4	Huron & Eastern Railway
5	Great Lakes Central Railroad
6	Marquette Rail
7	Saginaw Bay Southern
8	Mid-Michigan Railroad

Main Route

DomainName: mainrt_cdtb
Description: Coded value for the main route associated with the structure.

Code	Name
1	I-69
2	I-75

3	I-94
4	I-96
5	I-194
6	I-196
7	I-275
8	I-296
9	I-375
10	I-475
11	I-496
12	I-675
13	I-696
14	I-BL-69
15	I-BL-75
16	I-BL-94
17	I-BL-96
18	I-BL-196
19	I-BS-75
20	I-BS-96
21	I-BS-196
22	I-BS-375
23	US-2
24	US-8
25	US-10
26	US-12
27	US-23
28	US-24
29	US-27
30	US-31
31	US-33
32	US-41
33	US-45
34	US-127
35	US-131
36	US-141
37	US-223
38	US-BR-2
39	US-BR-10
40	US-BR-12
41	US-BR-23
42	US-BR-24
43	US-BR-27

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44	US-BR-31
45	US-BR-41
46	US-BR-127
47	US-BR-131
48	US-BR-223
49	M-1
50	M-3
51	M-5
52	M-6
53	M-8
54	M-10
55	M-11
56	M-13
57	M-14
58	M-15
59	M-17
60	M-18
61	M-19
62	M-20
63	M-21
64	M-22
65	M-24
66	M-25
67	M-26
68	M-27
69	M-28
70	M-29
71	M-30
72	M-32
73	M-33
74	M-34
75	M-35
76	M-36
77	M-37
78	M-38
79	M-39
80	M-40
81	M-42
82	M-43
83	M-44
84	M-45

DRAFT

85	M-46
86	M-47
87	M-48
88	M-49
89	M-50
90	M-51
91	M-52
92	M-53
93	M-54
94	M-55
95	M-57
96	M-58
97	M-59
98	M-60
99	M-61
100	M-62
101	M-63
102	M-64
103	M-65
104	M-66
105	M-67
106	M-68
107	M-69
108	M-71
109	M-72
110	M-73
111	M-75
112	M-77
113	M-78
114	M-79
115	M-80
116	M-81
117	M-82
118	M-83
119	M-84
120	M-85
121	M-86
122	M-88
123	M-89
124	M-90
125	M-91

DRAFT

126	M-93
127	M-94
128	M-95
129	M-96
130	M-97
131	M-99
132	M-100
133	M-102
134	M-103
135	M-104
136	M-106
137	M-107
138	M-108
139	M-109
140	M-110
141	M-113
142	M-115
143	M-116
144	M-117
145	M-119
146	M-120
147	M-121
148	M-123
149	M-124
150	M-125
151	M-129
152	M-134
153	M-136
154	M-137
155	M-138
156	M-139
157	M-140
158	M-142
159	M-143
160	M-149
161	M-150
162	M-152
163	M-153
164	M-154
165	M-156
166	M-157

DRAFT

167	M-168
168	M-179
169	M-183
170	M-185
171	M-186
172	M-188
173	M-189
174	M-199
175	M-201
176	M-203
177	M-204
178	M-205
179	M-209
180	M-211
181	M-212
182	M-216
183	M-217
184	M-221
185	M-222
186	M-227
187	M-231
188	M-239
189	M-247
190	M-294
191	M-311
192	M-331
193	M-553
194	M-554
195	M-BR-28
196	M-BR-32
197	M-BR-60
198	OLD-12
199	OLD-14
200	OLD-17
201	OLD-18
202	OLD-20
203	OLD-21
204	OLD-23
205	OLD-24
206	OLD-27
207	OLD-31

DRAFT

208	OLD-37
209	OLD-38
210	OLD-42
211	OLD-43
212	OLD-45
213	OLD-53
214	OLD-54
215	OLD-55
216	OLD-59
217	OLD-64
218	OLD-65
219	OLD-66
220	OLD-69
221	OLD-72
222	OLD-78
223	OLD-84
224	OLD-96
225	OLD-99
226	OLD-106
227	OLD-127
228	OLD-131
229	OLD-143
230	OLD-153
231	OLD-154
232	OLD-155
233	OLD-168
234	OLD-196
235	OLD-223
236	CONN-1
237	CONN-2
238	CONN-3
239	CONN-4
240	CONN-5
241	CONN-6
242	CONN-7
243	CONN-8
244	CONN-9
245	CONN-10
246	CONN-13
247	CONN-14
248	CONN-15

DRAFT

249	CONN-16
250	CONN-17
251	CONN-20
252	CONN-22
253	CONN-23
254	CONN-24
255	CONN-25
256	CONN-30
257	CONN-34
258	CONN-44
259	CONN-53
260	CONN-58
261	CONN-61
262	CONN-69
263	CONN-75
264	CONN-81
265	CONN-85
266	CONN-96
267	CONN-102
268	CONN-104
269	CONN-125
270	CONN-127
271	CONN-240
272	CONN-496
273	CONN-850

Route Location Relative to Pavement

DomainName: rt_rltv_loc_cd
Description: Describes the location of the ancillary structure relative to the route.

Code	Name
1	Right Shoulder, Unprotected
2	Left Shoulder/Median, Unprotected
3	Right Shoulder, Protected (e.g., behind guardrail)
4	Left Shoulder/Median, Protected (e.g., behind guardrail)
5	Right, Unknown Protection
6	Left/Median, Unknown Protection
7	Other

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City

DomainName: placecode_cdtb
Description: NBI Item 4 - Place Code --5 digits--Cities, towns, townships, villages, and other census-designated places shall be identified using the Federal Information Processing Standards--FIPS--codes given in the current version of the Census of Population and Housing -Geographic Identification Code Scheme. If there is no FIPS place code, then code all zeros.

Code	Name
200	Acme Township
240	Ada Township
280	Adams Township
300	Adams Township
320	Adams Township
400	Addison Township
440	City of Adrian
460	Adrian Township
500	Aetna Township
520	Aetna Township
720	Akron Township
760	Alabaster Township
800	Alaiedon Township
840	Alamo Township
920	Albee Township
940	Albert Township
980	City of Albion
1000	Albion Township
1040	Alcona Township
1120	Algansee Township
1160	Algoma Township
1180	City of Algonac
1280	Allegan Township
1260	City of Allegan
1320	Allen Township
1380	City of Allen Park
1360	Allendale Township
1480	Allis Township
1520	Allouez Township
1540	City of Alma
1600	Almena Township
1620	Almer Township
1640	Almira Township
1680	Almont Township
1720	Aloha Township

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1740	City of Alpena
1760	Alpena Township
1840	Alpine Township
1980	Amber Township
2020	Amboy Township
3020	Ann Arbor Township
3000	City of Ann Arbor
3060	Antioch Township
3120	Antrim Township
3140	Antwerp Township
3220	Arbela Township
3260	Arcada Township
3280	Arcadia Township
3320	Arcadia Township
3360	Arenac Township
3420	Argentine Township
3460	Argyle Township
3500	Arlington Township
3540	Armada Township
3620	Arthur Township
3660	Arvon Township
3680	Ash Township
3700	Ashland Township
3860	Assyria Township
3900	Athens Township
4000	Atlas Township
4040	Attica Township
4120	City of Au Gres
4140	Au Gres Township
4300	Au Sable Township
4320	Au Sable Township
4460	Au Train Township
4080	City of Auburn
4105	City of Auburn Hills
4180	Augusta Township
4240	Aurelius Township
4380	Austin Township
4400	Austin Township
4580	Avery Township
4720	Backus Township
4740	City of Bad Axe

DRAFT

4780	Bagley Township
4840	Bainbridge Township
4900	Baldwin Township
4920	Baldwin Township
5020	Baltimore Township
5120	Bangor Township
5160	Bangor Township
5140	City of Bangor
5240	Banks Township
5340	Baraga Township
5420	Bark River Township
5520	Baroda Township
5560	Barry Township
5620	Barton Township
5800	Batavia Township
5860	Bates Township
5900	Bath Township
5920	City of Battle Creek
6000	Bay Township
6020	City of Bay City
6040	Bay De Noc Township
6070	Bay Mills Township
6380	Bear Creek Township
6440	Bear Lake Township
6480	Bear Lake Township
6400	Bearinger Township
6500	Beaugrand Township
6540	Beaver Township
6580	Beaver Township
6600	Beaver Creek Township
6680	Beaverton Township
6660	City of Beaverton
6720	Bedford Township
6740	Bedford Township
6900	City of Belding
6920	Belknap Township
7020	City of Belleville
7080	Bellevue Township
7200	Belvidere Township
7240	Bengal Township
7280	Bennington Township

DRAFT

7300	Benona Township
7360	Bentley Township
7400	Benton Township
7420	Benton Township
7440	Benton Township
7520	City of Benton Harbor
7600	Benzonia Township
7640	Bergland Township
7660	City of Berkley
7700	Berlin Township
7720	Berlin Township
7760	Berlin Township
7820	Berrien Township
7920	Bertrand Township
7980	Bessemer Township
7960	City of Bessemer
8020	Bethany Township
8060	Bethel Township
8220	Big Creek Township
8280	Big Prairie Township
8320	Big Rapids Township
8300	City of Big Rapids
8360	Billings Township
8400	Bingham Township
8420	Bingham Township
8440	Bingham Township
8560	Birch Run Township
8640	City of Birmingham
8700	Bismark Township
8760	Blackman Township
8840	Blaine Township
8880	Blair Township
8940	Blendon Township
8980	Bliss Township
9020	Blissfield Township
9040	Bloomer Township
9060	Bloomfield Township
9080	Bloomfield Township
9110	Bloomfield Township
9180	City of Bloomfield Hills
9240	Bloomingdale Township

DRAFT

9320	Blue Lake Township
9340	Blue Lake Township
9400	Blumfield Township
9440	Boardman Township
9460	Bohemia Township
9500	Bois Blanc Township
9580	Boon Township
9680	Boston Township
9720	Bourret Township
9780	Bowne Township
9820	City of Boyne City
9860	Boyne Valley Township
9920	Brady Township
9940	Brady Township
9980	Brampton Township
10020	Branch Township
10040	Brandon Township
10100	Brant Township
10200	Breen Township
10220	Breitung Township
10360	Brevort Township
10420	Bridgehampton Township
10460	Bridgeport Township
10500	Bridgeton Township
10560	Bridgewater Township
10580	City of Bridgman
10640	Brighton Township
10620	City of Brighton
10660	Briley Township
10820	Brockway Township
10880	Bronson Township
10860	City of Bronson
10920	Brookfield Township
10940	Brookfield Township
11060	Brooks Township
11140	Broomfield Township
11160	Brown Township
11180	City of Brown City
11220	Brownstown Township
11280	Bruce Township
11300	Bruce Township

DRAFT

11400	City of Buchanan
11420	Buchanan Township
11440	Buckeye Township
11540	Buel Township
11560	Buena Vista Township
11640	Bunker Hill Township
11680	Burdell Township
11740	Burleigh Township
11820	Burlington Township
11840	Burlington Township
11880	Burns Township
11900	Burnside Township
11940	Burr Oak Township
11960	Burt Township
11980	Burt Township
12020	Burtchville Township
12060	City of Burton
12120	Bushnell Township
12140	Butler Township
12180	Butman Township
12200	Butterfield Township
12240	Byron Township
12320	City of Cadillac
12440	Caldwell Township
12460	Caledonia Township
12500	Caledonia Township
12520	Caledonia Township
12560	California Township
12600	Calumet Township
12620	Calvin Township
12700	Cambria Township
12720	Cambridge Township
12780	Camden Township
12840	Campbell Township
13080	Cannon Township
13120	Canton Township
13340	Carlton Township
13380	Carmel Township
13420	City of Caro
13500	Carp Lake Township
13520	Carp Lake Township

DRAFT

13540	Carrollton Township
13600	City of Carson City
13660	Cascade Township
13700	Casco Township
13720	Casco Township
13740	Case Township
13760	City of Caseville
13780	Caseville Township
13840	Casnovia Township
13860	City of Caspian
13960	Castleton Township
14000	Cato Township
14040	Cedar Township
14100	Cedar Creek Township
14120	Cedar Creek Township
14200	City of Cedar Springs
14240	Cedarville Township
14300	Center Township
14320	City of Center Line
14340	Centerville Township
14420	Central Lake Township
14540	Champion Township
14560	Chandler Township
14600	Chandler Township
14660	Chapin Township
14720	Charleston Township
14800	Charlevoix Township
14780	City of Charlevoix
14820	City of Charlotte
14840	Charlton Township
14880	Chase Township
14920	Chassell Township
15000	City of Cheboygan
15020	City of Chelsea
15060	Cherry Grove Township
15100	Cherry Valley Township
15160	Chesaning Township
15200	Cheshire Township
15260	Chester Township
15280	Chester Township
15300	Chester Township

DRAFT

15340	Chesterfield Township
15380	Chestonia Township
15480	Chikaming Township
15540	China Township
15560	Chippewa Township
15580	Chippewa Township
15600	Chippewa Township
15660	Chocolay Township
15740	Churchill Township
15860	Clam Lake Township
15900	Clam Union Township
15920	City of Clare
15960	Clarence Township
16020	Clarendon Township
16060	Clark Township
16160	City of Clawson
16180	Clay Township
16200	Clay Banks Township
16240	Clayton Township
16260	Clayton Township
16340	Clearwater Township
16360	Clement Township
16380	Cleon Township
16400	Cleveland Township
16460	Climax Township
16500	Clinton Township
16520	Clinton Township
16540	Clinton Township
16620	City of Clio
16720	Clyde Township
16760	Clyde Township
16880	Coe Township
16920	Cohoctah Township
17000	Cold Springs Township
17020	City of Coldwater
17040	Coldwater Township
17060	Coldwater Township
17100	City of Coleman
17120	Colfax Township
17140	Colfax Township
17160	Colfax Township

DRAFT

17180	Colfax Township
17200	Colfax Township
17340	Coloma Township
17320	City of Coloma
17370	Colon Township
17400	Columbia Township
17420	Columbia Township
17440	Columbia Township
17480	Columbus Township
17520	Columbus Township
17600	Comins Township
17640	Commerce Township
17680	Comstock Township
17760	Concord Township
17860	Constantine Township
17880	Convis Township
17920	Conway Township
17980	Cooper Township
18020	City of Coopersville
18280	Cornell Township
18300	City of Corunna
18320	Corwith Township
18400	Cottrellville Township
18500	Courtland Township
18560	Covert Township
18600	Covington Township
18800	Crockery Township
18900	Cross Village Township
18920	City of Croswell
18980	Croton Township
19080	Crystal Township
19100	Crystal Township
19150	Crystal Falls Township
19140	City of Crystal Falls
19180	Crystal Lake Township
19260	Cumming Township
19320	Curtis Township
19400	Custer Township
19440	Custer Township
19460	Custer Township
19540	Dafter Township

DRAFT

19580	Daggett Township
19620	Dallas Township
19660	Dalton Township
19720	Danby Township
19900	Davison Township
19880	City of Davison
19920	Day Township
19960	Dayton Township
19980	Dayton Township
21000	City of Dearborn
21020	City of Dearborn Heights
21060	Decatur Township
21120	Deep River Township
21140	Deerfield Township
21160	Deerfield Township
21200	Deerfield Township
21220	Deerfield Township
21240	Deerfield Township
21380	Delaware Township
21420	Delhi Township
21520	Delta Township
21600	Denmark Township
21640	Denton Township
21680	Denver Township
21700	Denver Township
21770	Detour Township
22000	City of Detroit
22120	City of Dewitt
22140	Dewitt Township
22180	Dexter Township
22160	City of Dexter
22320	Dickson Township
22680	Dorr Township
22760	Douglass Township
22800	Dover Township
22820	Dover Township
22840	Dover Township
22880	City of Dowagiac
22960	Doyle Township
23080	Drummond Township
23160	Dryden Township

DRAFT

23340	Duncan Township
23400	Dundee Township
23460	Duplain Township
23500	City of Durand
23540	Dwight Township
23580	Eagle Township
23620	Eagle Harbor Township
23800	East Bay Township
23820	East China Township
23980	City of East Grand Rapids
24020	City of East Jordan
24120	City of East Lansing
24420	City of East Tawas
24220	Easton Township
24290	City of Eastpointe
24520	Eaton Township
24560	Eaton Rapids Township
24540	City of Eaton Rapids
24640	Echo Township
24700	Eckford Township
24740	City of Ecorse
24800	Eden Township
24820	Eden Township
24830	Edenville Township
25020	Edwards Township
25080	Egelston Township
25120	Elba Township
25160	Elba Township
25200	Elbridge Township
25260	Elk Township
25280	Elk Township
25340	Elk Rapids Township
25300	Elkland Township
25380	Ellington Township
25400	Ellis Township
25440	Ellsworth Township
25660	Elm River Township
25500	Elmer Township
25540	Elmer Township
25620	Elmira Township
25700	Elmwood Township

DRAFT

25720	Elmwood Township
25820	Ely Township
25880	Emerson Township
25935	Emmett Township
25960	Emmett Township
26000	Empire Township
26140	Ensign Township
26160	Ensley Township
26200	Enterprise Township
26320	Erie Township
26340	Erwin Township
26380	Escanaba Township
26360	City of Escanaba
26400	Essex Township
26420	City of Essexville
26520	Eureka Township
26580	Evangeline Township
26660	Evart Township
26640	City of Evart
26680	Eveline Township
26700	Everett Township
26720	Evergreen Township
26740	Evergreen Township
26840	Ewing Township
26860	Excelsior Township
26880	Exeter Township
26920	Fabius Township
26960	Fairbanks Township
27020	Fairfield Township
27040	Fairfield Township
27100	Fairgrove Township
27120	Fairhaven Township
27180	Fairplain Township
27300	Faithorn Township
27380	City of Farmington
27440	City of Farmington Hills
27540	Fawn River Township
27580	Fayette Township
27660	Felch Township
27740	City of Fennville
27780	Fenton Township

DRAFT

27760	City of Fenton
27880	City of Ferndale
27900	Ferris Township
27940	Ferry Township
27960	City of Ferrysburg
28020	Fife Lake Township
28040	Filer Township
28120	Fillmore Township
28360	City of Flat Rock
29000	City of Flint
29020	Flint Township
29060	Florence Township
29140	Flowerfield Township
29220	Flushing Township
29200	City of Flushing
29240	Flynn Township
29380	Ford River Township
29400	Forest Township
29420	Forest Township
29440	Forest Township
29600	Forest Home Township
29500	Forester Township
29680	Fork Township
29720	Forsyth Township
29760	Fort Gratiot Township
29860	Foster Township
30180	Frankenlust Township
30220	Frankenmuth Township
30200	City of Frankenmuth
30260	City of Frankfort
30280	Franklin Township
30300	Franklin Township
30320	Franklin Township
30400	Fraser Township
30420	City of Fraser
30480	Frederic Township
30500	Fredonia Township
30520	Freedom Township
30560	Freeman Township
30620	Freesoil Township
30680	Fremont Township

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30700	City of Fremont
30720	Fremont Township
30740	Fremont Township
30760	Fremont Township
30820	Frenchtown Township
30860	Friendship Township
30900	Frost Township
30980	Fruitland Township
31020	Fruitport Township
31080	Fulton Township
31160	City of Gaastra
31220	Gaines Township
31240	Gaines Township
31260	City of Galesburg
31320	Galien Township
31360	Ganges Township
31400	Garden Township
31420	City of Garden City
31540	Garfield Township
31560	Garfield Township
31580	Garfield Township
31600	Garfield Township
31620	Garfield Township
31640	Garfield Township
31720	City of Gaylord
31800	Genesee Township
31820	Geneva Township
31840	Geneva Township
31860	Genoa Township
31880	Georgetown Township
31940	Germfask Township
31960	Gerrish Township
32020	City of Gibraltar
32040	Gibson Township
32120	Gilead Township
32160	Gilford Township
32180	Gilmore Township
32200	Gilmore Township
32280	Girard Township
32300	City of Gladstone
32320	City of Gladwin

DRAFT

32340	Gladwin Township
32380	Glen Arbor Township
32640	City of Gobles
32780	Golden Township
32860	Goodar Township
32960	Goodland Township
33000	Goodwell Township
33080	Gore Township
33160	Gourley Township
33300	Grand Blanc Township
33280	City of Grand Blanc
33340	City of Grand Haven
33360	Grand Haven Township
33380	Grand Island Township
33420	City of Grand Ledge
34000	City of Grand Rapids
34020	Grand Rapids Township
34160	City of Grandville
34200	Grant Township
34220	Grant Township
34240	Grant Township
34260	Grant Township
34280	Grant Township
34300	Grant Township
34320	Grant Township
34340	Grant Township
34380	Grant Township
34360	City of Grant
34400	Grant Township
34420	Grant Township
34500	Grass Lake Township
34560	Grattan Township
34660	Grayling Township
34640	City of Grayling
34740	Green Township
34760	Green Township
34960	Green Lake Township
35060	Green Oak Township
34820	Greenbush Township
34840	Greenbush Township
34860	Greendale Township

DRAFT

35000	Greenland Township
35020	Greenleaf Township
35100	City of Greenville
35120	Greenwood Township
35160	Greenwood Township
35200	Greenwood Township
35220	Greenwood Township
35240	Greenwood Township
35340	Grim Township
35420	Grosse Ile Township
35480	City of Grosse Pointe
35520	City of Grosse Pointe Farms
35540	City of Grosse Pointe Park
35580	City of Grosse Pointe Woods
35620	Grout Township
35640	Groveland Township
35720	Gunplain Township
35740	Gustin Township
35840	Hadley Township
35860	Hagar Township
35960	Haight Township
36100	Hamburg Township
36140	Hamilton Township
36160	Hamilton Township
36180	Hamilton Township
36200	Hamlin Township
36220	Hamlin Township
36260	Hampton Township
36280	City of Hamtramck
36320	Hancock Township
36300	City of Hancock
36340	Handy Township
36400	Hanover Township
36420	Hanover Township
36460	City of Harbor Beach
36560	City of Harbor Springs
36600	Haring Township
36700	City of Harper Woods
36760	Harris Township
36800	City of Harrison
36820	Harrison Township

DRAFT

36880	Harrisville Township
36860	City of Harrisville
36920	City of Hart
36940	Hart Township
36980	Hartford Township
36960	City of Hartford
37040	Hartland Township
37060	Hartwick Township
37140	Hastings Township
37120	City of Hastings
37160	Hatton Township
37220	Hawes Township
37300	Hay Township
37320	Hayes Township
37340	Hayes Township
37360	Hayes Township
37380	Haynes Township
37420	City of Hazel Park
37440	Hazelton Township
37460	Heath Township
37480	Hebron Township
37500	Helena Township
37580	Hematite Township
37640	Henderson Township
37660	Hendricks Township
37700	Henrietta Township
37840	Hersey Township
37940	Hiawatha Township
38020	Higgins Township
38080	Highland Township
38100	Highland Township
38180	City of Highland Park
38300	Hill Township
38400	Hillman Township
38460	City of Hillsdale
38480	Hillsdale Township
38540	Hinton Township
38620	Holland Township
38660	Holland Township
38640	City of Holland
38720	Holly Township

DRAFT

38760	Holmes Township
38820	Holton Township
38840	Home Township
38860	Home Township
38940	Homer Township
38980	Homer Township
39000	Homestead Township
39120	Hope Township
39160	Hope Township
39200	Hopkins Township
39320	Horton Township
39360	City of Houghton
39380	Houghton Township
39480	Howard Township
39540	City of Howell
39560	Howell Township
39700	Hudson Township
39740	Hudson Township
39720	City of Hudson
39760	Hudson Township
39800	City of Hudsonville
39860	Hulbert Township
39940	Humboldt Township
39960	Hume Township
40000	City of Huntington Woods
40020	Huron Township
40040	Huron Township
40260	Ida Township
40300	Imlay Township
40320	City of Imlay City
40400	Independence Township
40440	Indianfields Township
40600	Ingallston Township
40620	Ingersoll Township
40640	Ingham Township
40680	City of Inkster
40700	Inland Township
40760	Interior Township
40820	Inverness Township
40840	Inwood Township
40880	Ionia Township

DRAFT

40860	City of Ionia
40900	Iosco Township
40920	Ira Township
40960	City of Iron Mountain
41000	Iron River Township
40980	City of Iron River
41080	Ironwood Township
41060	City of Ironwood
41120	Irving Township
41160	Isabella Township
41240	Ishpeming Township
41220	City of Ishpeming
41340	City of Ithaca
41420	City of Jackson
41480	James Township
41520	Jamestown Township
41560	Jasper Township
41600	Jefferson Township
41620	Jefferson Township
41760	Jerome Township
41860	Johnstown Township
41900	Jonesfield Township
41920	City of Jonesville
41960	Jordan Township
42000	Joyfield Township
42140	Juniata Township
42180	Kalamazoo Township
42160	City of Kalamazoo
42220	Kalamo Township
42280	Kalkaska Township
42320	Kasson Township
42360	Kawkawlin Township
42400	Kearney Township
42460	City of Keego Harbor
42500	Keeler Township
42520	Keene Township
42740	Kenockee Township
42820	City of Kentwood
43160	Kimball Township
43260	Kinderhook Township
43300	City of Kingsford

DRAFT

43400	Kingston Township
43480	Kinross Township
43640	Klacking Township
43800	Kochville Township
43820	Koehler Township
43880	Koylton Township
43900	Krakow Township
44080	Lafayette Township
44140	Lagrange Township
44200	City of Laingsburg
44220	Laird Township
44240	Lake Township
44260	Lake Township
44300	Lake Township
44320	Lake Township
44360	Lake Township
44380	Lake Township
44400	Lake Township
44440	City of Lake Angelus
44480	City of Lake City
44540	Lakefield Township
44560	Lakefield Township
45160	Laketon Township
45180	Laketown Township
45460	Lamotte Township
45560	Lanse Township
46020	Lansing Township
46000	City of Lansing
46040	City of Lapeer
46060	Lapeer Township
46160	Larkin Township
46260	Lasalle Township
46320	City of Lathrup Village
46460	Lawrence Township
46560	Leavitt Township
46580	Lebanon Township
46600	Lee Township
46620	Lee Township
46640	Lee Township
46700	Leelanau Township
46760	Leighton Township

DRAFT

46820	Leland Township
46900	Lenox Township
46980	Leoni Township
47020	Leonidas Township
47060	Leroy Township
47080	Leroy Township
47120	Leroy Township
47200	Leslie Township
47180	City of Leslie
47300	Lexington Township
47360	Liberty Township
47380	Liberty Township
47440	Lilley Township
47460	Lima Township
47540	Limestone Township
47580	Lincoln Township
47600	Lincoln Township
47620	Lincoln Township
47640	Lincoln Township
47660	Lincoln Township
47680	Lincoln Township
47700	Lincoln Township
47720	Lincoln Township
47800	City of Lincoln Park
47820	City of Linden
48000	Litchfield Township
47980	City of Litchfield
48080	Little Traverse Township
48020	Littlefield Township
48140	Livingston Township
49000	City of Livonia
49040	Locke Township
49060	Lockport Township
49120	Lodi Township
49140	Logan Township
49160	Logan Township
49180	London Township
49240	Long Lake Township
49360	Long Rapids Township
49480	Loud Township
49520	Lovells Township

DRAFT

49540	City of Lowell
49560	Lowell Township
49640	City of Ludington
49700	City of Luna Pier
49780	Lyndon Township
49800	Lynn Township
49820	Lyon Township
49840	Lyon Township
49920	Lyons Township
50280	City of Mackinac Island
50300	Mackinaw Township
50480	Macomb Township
50520	Macon Township
50540	Madison Township
50560	City of Madison Heights
50640	Mancelona Township
50680	Manchester Township
50740	Manistee Township
50720	City of Manistee
50780	Manistique Township
50760	City of Manistique
50840	Manlius Township
50860	Mansfield Township
50880	City of Manton
50940	Maple Forest Township
50960	Maple Grove Township
51000	Maple Grove Township
51060	Maple Grove Township
51220	Maple Ridge Township
51260	Maple Ridge Township
51280	Maple River Township
51340	Maple Valley Township
51380	Maple Valley Township
51420	Marathon Township
51480	Marcellus Township
51520	Marengo Township
51560	Marenisco Township
51580	Marilla Township
51600	City of Marine City
51620	Marion Township
51640	Marion Township

DRAFT

51680	Marion Township
51700	Marion Township
51720	Marion Township
51780	Markey Township
51840	Marlette Township
51820	City of Marlette
51880	Marquette Township
51920	Marquette Township
51900	City of Marquette
51960	Marshall Township
51940	City of Marshall
52000	Martin Township
52060	Martiny Township
52080	City of Marysville
52120	Mason Township
52140	Mason Township
52180	City of Mason
52220	Masonville Township
52300	Mastodon Township
52320	Matchwood Township
52360	Mathias Township
52400	Matteson Township
52480	Mayfield Township
52500	Mayfield Township
49980	City of McBain
50340	McKinley Township
50360	McKinley Township
50440	McMillan Township
50460	McMillan Township
52600	Meade Township
52640	Meade Township
52780	Mecosta Township
52820	Medina Township
52860	Mellen Township
52880	Melrose Township
52940	City of Melvindale
52960	City of Memphis
53000	Mendon Township
53040	Menominee Township
53020	City of Menominee
53100	Mentor Township

DRAFT

53120	Mentor Township
53140	Meridian Township
53160	Merrill Township
53220	Merritt Township
53360	Metamora Township
53440	Metz Township
53460	Meyer Township
53540	Michigamme Township
53660	Middle Branch Township
53680	Middlebury Township
53800	Midland Township
53780	City of Midland
53880	Mikado Township
53900	Milan Township
53920	City of Milan
53980	Milford Township
54020	Millbrook Township
54060	Millen Township
54240	Millington Township
54320	Mills Township
54340	Mills Township
54440	Milton Township
54460	Milton Township
54540	Minden Township
54740	Mitchell Township
54800	Moffatt Township
54860	Moltke Township
54980	Monitor Township
55020	City of Monroe
55040	Monroe Township
55060	Monroe Township
55120	Montague Township
55100	City of Montague
55140	Montcalm Township
55200	Monterey Township
55240	Montmorency Township
55300	Montrose Township
55280	City of Montrose
55320	Moore Township
55440	Moorland Township
55480	Moran Township

DRAFT

55500	City of Morenci
55600	Morton Township
55640	Moscow Township
55780	Mottville Township
55820	City of Mt Clemens
55920	Mt Forest Township
55940	Mt Haley Township
55980	Mt Morris Township
55960	City of Mt Morris
56020	City of Mt Pleasant
56060	Mueller Township
56100	Mullett Township
56160	Mundy Township
56220	Munising Township
56200	City of Munising
56280	Munro Township
56320	City of Muskegon
56340	Muskegon Township
56360	City of Muskegon Heights
56380	Mussey Township
56440	Nadeau Township
56500	Nahma Township
56640	Napoleon Township
56880	Negaunee Township
56860	City of Negaunee
56920	Nelson Township
56980	Nester Township
57100	City of New Baltimore
57230	New Buffalo Township
57220	City of New Buffalo
57300	New Field Township
57360	New Haven Township
57400	New Haven Township
57040	Newark Township
57080	City of Newaygo
57120	Newberg Township
57480	Newkirk Township
57620	Newton Township
57640	Newton Township
57780	Niles Township
57760	City of Niles

DRAFT

57860	Noble Township
57900	Norman Township
57940	North Allis Township
58090	North Branch Township
58640	City of North Muskegon
58720	North Plains Township
58800	North Shade Township
58880	North Star Township
58280	Northfield Township
59000	Northville Township
58980	City of Northville
59140	City of Norton Shores
59180	Norvell Township
59240	Norway Township
59220	City of Norway
59280	Norwich Township
59300	Norwich Township
59340	Norwood Township
59360	Nottawa Township
59400	Nottawa Township
59420	Novesta Township
59440	City of Novi
59460	Novi Township
59500	Nunda Township
59920	City of Oak Park
59580	Oakfield Township
59820	Oakland Township
60120	Oceola Township
60160	Ocqueoc Township
60200	Odessa Township
60260	Ogden Township
60300	Ogemaw Township
60440	Olive Township
60460	Olive Township
60520	Oliver Township
60540	Oliver Township
60580	City of Olivet
60660	City of Omer
60680	City of Onaway
60700	Oneida Township
60760	Onekama Township

DRAFT

60800	Onondaga Township
60820	Onota Township
60880	Ontonagon Township
60900	Ontwa Township
60920	Orange Township
60940	Orange Township
60980	Orangeville Township
61020	City of Orchard Lake Village
61060	Oregon Township
61080	Orient Township
61100	Orion Township
61160	Orleans Township
61180	Oronoko Township
61260	Osceola Township
61280	Osceola Township
61340	Oscoda Township
61400	Oshtemo Township
61520	Ossineke Township
61580	Otisco Township
61620	City of Otsego
61640	Otsego Township
61680	Otsego Lake Township
61780	Otto Township
61820	Overisel Township
61840	Ovid Township
61880	Ovid Township
61860	City of Ovid
61960	Owosso Township
61940	City of Owosso
62040	Oxford Township
62240	Palmyra Township
62320	Paradise Township
62340	City of Parchment
62360	Paris Township
62460	Park Township
62480	Park Township
62760	Parma Township
62960	Pavilion Township
63000	Paw Paw Township
63120	Peacock Township
63140	Peaine Township

DRAFT

63340	Peninsula Township
63380	Penn Township
63440	Pennfield Township
63500	Pentland Township
63560	Pentwater Township
63600	Pere Marquette Township
63720	Perry Township
63700	City of Perry
63800	City of Petersburg
63820	City of Petoskey
63980	Pickford Township
64040	Pierson Township
64160	City of Pinconning
64180	Pinconning Township
64200	Pine Township
64280	Pine Grove Township
64360	Pine River Township
64440	Pinora Township
64460	Pioneer Township
64480	Pipestone Township
64560	Pittsfield Township
64620	Pittsford Township
64640	Plainfield Township
64660	Plainfield Township
64740	City of Plainwell
64760	Platte Township
64880	Pleasant Plains Township
64900	City of Pleasant Ridge
64960	Pleasant View Township
64860	Pleasanton Township
65080	Plymouth Township
65060	City of Plymouth
65180	Pointe Aux Barques Township
65300	Pokagon Township
65320	Polkton Township
65440	City of Pontiac
65700	Port Austin Township
65820	City of Port Huron
65840	Port Huron Township
65940	Port Sheldon Township
65540	Portage Township

DRAFT

65560	City of Portage
65600	Portage Township
65720	Porter Township
65740	Porter Township
65760	Porter Township
65880	Portland Township
65860	City of Portland
65980	Portsmouth Township
66020	Posen Township
66100	City of Potterville
66120	Powell Township
66200	Prairie Ronde Township
66260	Prairieville Township
66340	Presque Isle Township
66440	Pulaski Township
66460	Pulawski Township
66540	Putnam Township
66660	Quincy Township
66680	Quincy Township
66760	Raber Township
66840	Raisin Township
66900	Raisinville Township
67120	Ransom Township
67180	Rapid River Township
67300	Ravenna Township
67420	Ray Township
67520	Reading Township
67500	City of Reading
67540	Readmond Township
67600	Redding Township
67625	Redford Township
67820	City of Reed City
67840	Reeder Township
67960	Reno Township
68000	Republic Township
68060	Resort Township
68120	Reynolds Township
68160	Rich Township
68180	Richfield Township
68200	Richfield Township
68260	Richland Township

DRAFT

68280	Richland Township
68300	Richland Township
68320	Richland Township
68340	Richland Township
68400	Richmond Township
68420	Richmond Township
68440	Richmond Township
68380	City of Richmond
68540	Ridgeway Township
68580	Riga Township
68600	Riley Township
68620	Riley Township
68760	City of River Rouge
68820	Riverside Township
68860	Riverton Township
68880	City of Riverview
68920	Rives Township
69000	Robinson Township
69020	City of Rochester
69035	City of Rochester Hills
69160	Rock River Township
69080	City of Rockford
69140	Rockland Township
69180	City of Rockwood
69240	Rogers Township
69260	City of Rogers City
69300	Rolland Township
69340	Rollin Township
69360	Rome Township
69420	City of Romulus
69440	Ronald Township
69520	City of Roosevelt Park
69560	Roscommon Township
69580	Rose Township
69600	Rose Township
69680	City of Rose City
69760	Rose Lake Township
69800	City of Roseville
69820	Ross Township
70020	Roxand Township
70040	City of Royal Oak

DRAFT

70060	Royal Oak Township
70100	Royalton Township
70140	Rubicon Township
70220	Rudyard Township
70260	Rush Township
70380	Rust Township
70420	Rutland Township
70500	Sage Township
70540	Saginaw Township
70520	City of Saginaw
70600	Sagola Township
71100	Salem Township
71130	Salem Township
71140	City of Saline
71160	Saline Township
71240	Sanborn Township
71260	Sand Beach Township
71460	Sands Township
71500	Sandstone Township
71540	City of Sandusky
71580	Sanilac Township
71680	Sauble Township
71720	Saugatuck Township
71700	City of Saugatuck
71740	City of Sault Ste Marie
71840	Schoolcraft Township
71880	Schoolcraft Township
71940	Scio Township
71960	Sciota Township
71980	Scipio Township
72080	City of Scottville
72120	Sebewa Township
72200	Sebewaing Township
72240	Secord Township
72380	Selma Township
72440	Seneca Township
72500	Seney Township
72580	Seville Township
72760	Sharon Township
72820	Shelby Township
72860	Shelby Township

DRAFT

72980	Sheridan Township
73000	Sheridan Township
73040	Sheridan Township
73060	Sheridan Township
73080	Sheridan Township
73120	Sheridan Township
73140	Sherman Township
73160	Sherman Township
73180	Sherman Township
73200	Sherman Township
73220	Sherman Township
73240	Sherman Township
73260	Sherman Township
73280	Sherman Township
73300	Sherman Township
73440	Sherwood Township
73520	Shiawassee Township
73840	Sidney Township
73880	Sigel Township
73940	Silver Creek Township
74020	Sims Township
74110	Skandia Township
74220	Slagle Township
74440	Sodus Township
74460	Solon Township
74500	Solon Township
74560	Somerset Township
74620	Soo Township
74680	South Arm Township
74760	South Branch Township
74820	South Branch Township
75000	South Haven Township
74980	City of South Haven
75100	City of South Lyon
74920	Southfield Township
74900	City of Southfield
74960	City of Southgate
75350	Spalding Township
75440	Sparta Township
75480	Spaulding Township
75500	Speaker Township

DRAFT

75560	Spencer Township
75640	Spring Arbor Township
75840	Spring Lake Township
75680	Springdale Township
75700	City of Springfield
75720	Springfield Township
75760	Springfield Township
75880	Springport Township
75900	Springvale Township
75940	Springville Township
76000	Spurr Township
70660	St Charles Township
70680	City of St Clair
70700	St Clair Township
70760	City of St Clair Shores
70860	St Ignace Township
70840	City of St Ignace
70920	St James Township
70940	City of St Johns
70960	City of St Joseph
70980	St Joseph Township
71000	City of St Louis
76080	Stambaugh Township
76140	Standish Township
76120	City of Standish
76180	Stannard Township
76200	Stanton Township
76220	City of Stanton
76260	Star Township
76400	Stephenson Township
76380	City of Stephenson
76460	City of Sterling Heights
76580	Stockbridge Township
76840	Stronach Township
76960	City of Sturgis
76980	Sturgis Township
77020	Sugar Island Township
77100	Sullivan Township
77120	Summerfield Township
77140	Summerfield Township
77200	Summit Township

DRAFT

77220	Summit Township
77300	Sumner Township
77360	Sumpter Township
77440	Sunfield Township
77540	Superior Township
77560	Superior Township
77580	Surrey Township
77620	Suttons Bay Township
77660	Swan Creek Township
77700	City of Swartz Creek
77740	Sweetwater Township
77760	Sylvan Township
77800	Sylvan Township
77860	City of Sylvan Lake
77980	Tallmadge Township
78100	Tawas Township
78140	City of Tawas City
79000	City of Taylor
79100	Taymouth Township
79140	Tecumseh Township
79120	City of Tecumseh
79180	Tekonsha Township
79300	Texas Township
82453	City of The Village of Grosse Pointe Shores A Michigan City
79460	Thetford Township
79520	Thomas Township
79580	Thompson Township
79620	Thornapple Township
79740	Three Oaks Township
79760	City of Three Rivers
79780	Tilden Township
79840	Tittabawassee Township
79860	Tobacco Township
79980	Tompkins Township
80100	Torch Lake Township
80120	Torch Lake Township
80340	City of Traverse City
80420	City of Trenton
80600	Trout Lake Township
80620	Trowbridge Township
80680	Troy Township

DRAFT

80700	City of Troy
80780	Turin Township
80840	Turner Township
80880	Tuscarora Township
80940	Tuscola Township
81140	Tyrone Township
81160	Tyrone Township
81240	Unadilla Township
81280	Union Township
81320	Union Township
81340	Union Township
81540	City of Utica
81580	Valley Township
81660	Van Buren Township
81860	Vassar Township
81840	City of Vassar
81880	Venice Township
81920	Vergennes Township
81980	Vermontville Township
82000	Vernon Township
82040	Vernon Township
82140	Verona Township
82220	Vevay Township
82320	Victor Township
82360	Victory Township
82380	Vienna Township
82420	Vienna Township
82450	City of Village of Clarkston
22740	City of Village of Douglas
82580	Volinia Township
82800	Wakefield Township
82780	City of Wakefield
82840	Wakeshma Township
82900	Wales Township
82940	Walker Township
82960	City of Walker
83060	City of Walled Lake
83180	Walton Township
83300	Warner Township
84000	City of Warren
84020	Warren Township

DRAFT

84080	Washington Township
84120	Washington Township
84140	Washington Township
84240	Waterford Township
84300	Waterloo Township
84380	Watersmeet Township
84400	Watertown Township
84440	Watertown Township
84460	Watertown Township
84520	Watervliet Township
84500	City of Watervliet
84580	Watson Township
84700	Waucedah Township
84760	Waverly Township
84820	Waverly Township
84840	Wawatam Township
84880	City of Wayland
84900	Wayland Township
84920	Wayne Township
84940	City of Wayne
85040	Weare Township
85060	Webber Township
85100	Webster Township
85120	Weesaw Township
85160	Weldon Township
85180	Wellington Township
85240	Wells Township
85260	Wells Township
85280	Wells Township
85480	West Bloomfield Township
85520	West Branch Township
85540	West Branch Township
85560	West Branch Township
85580	City of West Branch
85600	West Branch Township
86300	West Traverse Township
86000	City of Westland
86140	Westphalia Township
86500	Wexford Township
86520	Wheatfield Township
86540	Wheatland Township

DRAFT

86560	Wheatland Township
86580	Wheatland Township
86620	Wheeler Township
86680	City of White Cloud
86860	White Lake Township
86900	White Oak Township
86940	White Pigeon Township
86980	White River Township
87040	White Water Township
86700	Whitefish Township
86740	Whiteford Township
86800	Whitehall Township
86780	City of Whitehall
87080	Whitney Township
87140	City of Whittemore
87180	Wilber Township
87200	Wilcox Township
87380	Williams Township
87420	City of Williamston
87440	Williamstown Township
87640	Wilmot Township
87680	Wilson Township
87700	Wilson Township
87840	Windsor Township
87880	Winfield Township
87960	Winsor Township
87980	Winterfield Township
88040	Wise Township
88080	Wisner Township
88140	City of Wixom
88300	Woodbridge Township
88380	City of Woodhaven
88400	Woodhull Township
88440	Woodland Township
88640	Woodstock Township
88760	Worth Township
88780	Wright Township
88820	Wright Township
88900	City of Wyandotte
88940	City of Wyoming
89000	City of Yale

DRAFT

89020	Yankee Springs Township
89040	Yates Township
89100	York Township
89140	City of Ypsilanti
89160	Ypsilanti Township
89280	Zeeland Township
89260	City of Zeeland
89340	Zilwaukee Township
89320	City of Zilwaukee

MDOT Region

DomainName: mdot_regn_cdtb
Description: MDOT Region

Code	Name
1	Superior
2	North
3	Grand
4	Bay
5	Southwest
6	University
7	Metro

MDOT County

DomainName: mdotcnty_cdtb
Description: MDOT County

Code	Name
1	Alcona
3	Alger
5	Allegan
7	Alpena
9	Antrim
11	Arenac
13	Baraga
15	Barry
17	Bay
19	Benzie
21	Berrien
23	Branch

DRAFT

25	Calhoun
27	Cass
29	Charlevoix
31	Cheboygan
33	Chippewa
35	Clare
37	Clinton
39	Crawford
41	Delta
43	Dickinson
45	Eaton
47	Emmet
49	Genesee
51	Gladwin
53	Gogebic
55	Grand Traverse
57	Gratiot
59	Hillsdale
61	Houghton
63	Huron
65	Ingham
67	Ionia
69	Iosco
71	Iron
73	Isabella
75	Jackson
77	Kalamazoo
79	Kalkaska
81	Kent
83	Keweenaw
85	Lake
87	Lapeer
89	Leelanau
91	Lenawee
93	Livingston
95	Luce
97	Mackinac
99	Macomb
101	Manistee
103	Marquette
105	Mason

DRAFT

107	Mecosta
109	Menominee
111	Midland
113	Missaukee
115	Monroe
117	Montcalm
119	Montmorency
121	Muskegon
123	Newaygo
125	Oakland
127	Oceana
129	Ogemaw
131	Ontonagon
133	Osceola
135	Oscoda
137	Otsego
139	Ottawa
141	Presque Isle
143	Roscommon
145	Saginaw
147	St Clair
149	St Joseph
151	Sanilac
153	Schoolcraft
155	Shiawassee
157	Tuscola
159	Van Buren
161	Washtenaw
163	Wayne
165	Wexford

MDOT Transportation Service Center

DomainName: mdot_tsc_cdtb
Description: MDOT Transportation Service Center

Code	Name
22	Newberry
19	Marshall
1	Alpena
28	Huron
25	Taylor
16	Kalamazoo

DRAFT

14	Ishpeming
18	Macomb
23	Oakland
4	Cadillac
7	Crystal Falls
20	Mt. Pleasant
27	Gaylord
11	Grand Rapids
9	Detroit
15	Jackson
21	Muskegon
17	Lansing
3	Brighton
2	Bay City
26	Traverse City
8	Davison

DRAFT