

**Appendix F**

# **Statewide Asset Data Exchange System (SADES)**

*Data Collection Specification Guide*

## **Data Collection Specifications Guide**

### **Pedestrian Infrastructure**

**Sidewalks  
Curb-Ramps  
Crosswalks**

#### **Partnership with**

NH Department of Safety (NHDOS)  
NH Department of Transportation (NH DOT)  
NH Regional Planning Commissions (NHRPCs)  
UNH Technology Transfer Center (UNH T<sup>2</sup>)

## **Introduction**

This document was established to outline assessment standards for specified base-inventory and asset condition collection criteria for pedestrian infrastructure assets within the state of New Hampshire as part of New Hampshire's Statewide Asset Data Exchange System (SADES).

All specifications and asset attributes contained herein were initially developed by the project working group and personnel from the Technology Transfer Center (T<sup>2</sup>) at the University of New Hampshire (UNH). Agreed upon attributes and specifications were then reviewed by the New Hampshire Department of Safety (NHDOS), the New Hampshire Department of Transportation (NHDOT), and all nine (9) of the state's Regional Planning Commissions (RPCs). After a thorough review by all stakeholders, a consensus was reached regarding core attributes to be collected during the Statewide Asset Data Exchange System (SADES) field operations, as well as methods for assessment of asset conditions. This document presents agreed upon collection attributes and condition assessment criteria which is vetted by all project stake-holders and the SADES working group.

As part of the SADES initiative, all collected data will be compiled into an accessible statewide composite map for use by authorized public organizations. The data will undergo rigorous quality assurance and control (QA/QC) measures designed to ensure consistency across all agencies performing collection activities. This data will then be prepared for redistribution to interested parties through three outlets: a web application, a web mapping service, and a direct download portal. The initial data compilation, QA/QC, and redistribution will be completed by UNH T<sup>2</sup>, and all data collection efforts will be organized by each RPC for their respective service areas. UNH T<sup>2</sup> currently manages an equipment loan program for use by any of the aforementioned project partners that require access to Global Positioning System (GPS) enabled field data collection equipment. Lastly, this collection equipment, and associated equipment loan program is available only through T<sup>2</sup> to stake-holding parties on a first-come-first-served reservation basis.

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## **Curb Ramps**

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\* *Denotes a Project Level Data Attribute*

## **General User Information**

It is recommended that data be collected using the ESRI Collector Application for the Apple iPad.

Additional recommended equipment for conducting the assessment includes:

Tape Measure  
Digital Level  
Reflective Vest

A file geodatabase was set up with the following parameters.

Coordinate system: NAD 1983 State Plane New Hampshire FIPS 2800 (US Feet)

XY Tolerance 0.00328 US Feet

Appendix 1: Field Parameters

Appendix 2: Domain List

If you have questions or concerns about this iPad application or the SADES Culvert collection program, please contact the UNH Technology Transfer Center.

Contact Information:

Chris Dowd  
SADES Manager  
[nht2gis@icloud.com](mailto:nht2gis@icloud.com)  
Cell: (603) 397-7745

## Sidewalk - Network Attributes

### Assessment Date

User Input Date

Record the date when the sidewalk assessment is performed

### Collector Name(s) & Organization

User Input Text (max 50 characters)

Name of person collecting the data and his/her organization

### Town/City Name

User Input Text (max 50 characters)

Record the Town in which the sidewalk is located

### Road Name

User Input Text (max 50 characters)

Record the full road name for the sidewalk

### Side of Street

North

South

East

West

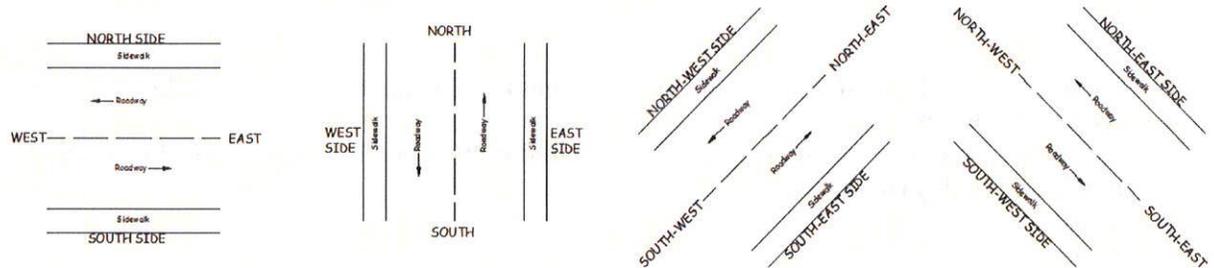
North-East

North-West

South-East

South-West

Record the side of the street on which the sidewalk is located



### Maintained by

Town/City

County

NH DOT

Private

Other

**Unknown (default)**

Record the entity that maintains the sidewalk

### Repair/Reconstruction Date

User Input Date

Record the date of the last known major update/reconstruction

Surface Material
Asphalt
Stamped Asphalt
Brick
Concrete
Stamped Concrete
Pervious
Unpaved
Other

Required for ADA Compliance - Record the most predominant material in the sidewalk section

- Asphalt
- Stamped Asphalt – a stamped template into asphalt. May include a colored polymer coating.



Figure 1: Stamped Asphalt Sidewalk (<http://www.patternpaving.com>)

- Brick
- Concrete
- Stamped Concrete – a stamped template into concrete. Can have a variety of different finishes, styles and designs.
- Pervious – a mixture of coarse aggregate, Portland cement and little to no sand. Results in highly permeable concrete.
- Unpaved
- Other

Sidewalk Condition
Good
Fair
Poor
None

Record the condition of the sidewalk material

- Good - No distress found, no vertical displacements

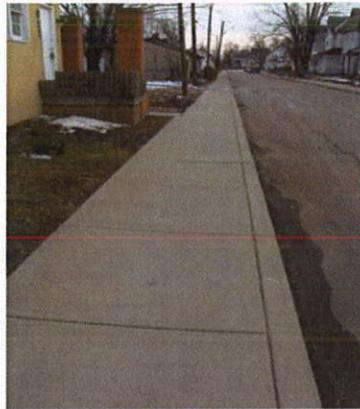


Figure 2: Example of a good sidewalk condition ([www.mfcna.org](http://www.mfcna.org))

- Fair - Narrow Sidewalk Cracks and sidewalk displacements less than 1/2" are present



Figure 3: Example of fair sidewalk condition ([www.mfcna.org](http://www.mfcna.org))

- Poor - Sidewalk Cracks or large vertical displacements greater than 1/2" are present.



Figure 4: Example of Poor Sidewalk Condition ([www.mfcna.org](http://www.mfcna.org))

Surface Defects

Yes

No

Surface defects such as missing portions or uneven patches are visible



Figure 5: Examples of surface defects ([www.mfcna.org](http://www.mfcna.org))

Curb Type

Asphalt

Concrete

Granite

Other

None

Record the predominate material of which the curb is constructed

Curb Condition

Good

Fair

Poor

None

Record the condition of the curb material

- Good - No distress found
- Fair - low number of faults, minimal heaves and cracks on the curb



Figure 6: Examples of curb in fair condition ([www.mfcna.org](http://www.mfcna.org))

- Poor – High number of faults, large heaves or cracks on the curb, or curb face loss due to asphalt overlay



Figure 7: Example of Curbs in Poor Condition ([www.mfcna.org](http://www.mfcna.org))

**Gutter Pan Present**

Yes

No

Denote if a gutter pan is present on this sidewalk section

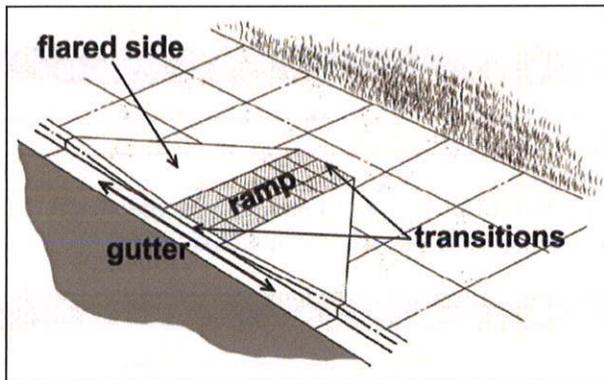


Figure 8: Diagram of gutter pan (<http://www.ada.gov/pccatoolkit/chap6toolkit.htm>)

**Minimum Curb Depth (in)**

User Input Number

Input the minimum curb depth on this sidewalk section

**Existence of Buffer**

Grass Strip

Bicycle Lane

Parking Spaces

Street Furniture

None

Other

Determine if a buffer exists that separates the sidewalk from the closest lane of moving vehicles

- Grass Strip: Planting Strip of grass and trees
- Street Furniture: Includes benches, newspaper boxes, street lighting and permanent public art

Obstructions
None
Movable Objects
Water
Vegetation
Drain
Fixed Object
Fixed Sign
Hydrant
Tree Trunk
Utility Pole

Required for ADA Compliance - Identify if any obstructions exist on the path of the sidewalk that limit the vertical passage space, protrude into the circulation route, or reduce the clearance width of the sidewalk

Minimum Passable Width
Greater than 60 inches
36 inches to 60 inches
Less than 36 inches

Required for ADA Compliance - Identify the measurement for the narrowest portion of the sidewalk section

Minimum Vertical Clearance
Unlimited
Greater than 80 inches
Less than 80 inches

Required for ADA Compliance - Determine the minimum unobstructed vertical passage space along the sidewalk - Examples of items that limit it may include overhangs, tree branches or signs

Changes in Profile
Level
Less than 0.25 inches
0.25 inches to 0.50 inches
Greater than 0.50 inches

Required for ADA Compliance - Identify the largest change in level on the sidewalk section. Changes in level are defined as the vertical height transitions between adjacent surfaces or along the surface of the path. Examples include buckled bricks, cracks, and curbs without ramps or drainage grates, areas of heaving/settlement, presence of railroad tracks, roots, steps, and/or tree grates

Comments
User Input Text

Note any additional information or items that were not covered by the assessment

## Sidewalk - Project Attributes

Does Grate or Gap spacing exceed 0.5 inches?

Yes

No

Required for ADA Compliance - A grate is a structure comprised of bars that prevent large objects from falling through while permitting water and small debris access. A gap is a single channel embedded in a surface - such as when railroad tracks are embedded into the road surface

\*Maximum Grade %

User Input Number

Required for ADA Compliance - Identify the maximum grade in the sidewalk section. Grade is defined as the slope parallel to the direction of travel

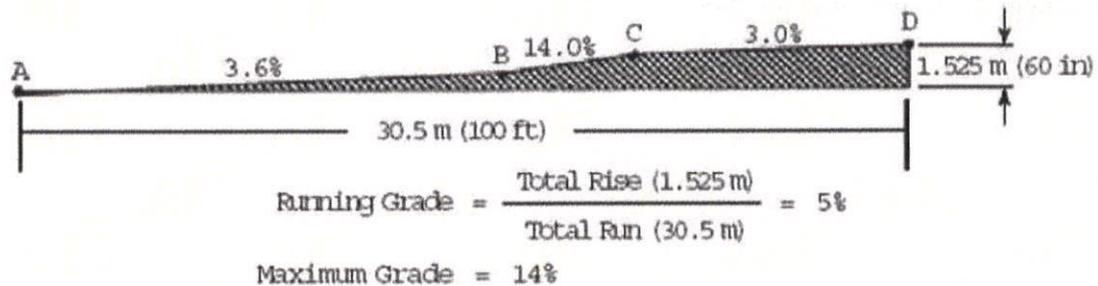


Figure 9: Sidewalk Grade ([www.fhwa.dot.gov](http://www.fhwa.dot.gov))

\*Greatest Cross Slope

User Input Number

Required for ADA Compliance - Identify the greatest cross slope. Cross slope is the slope measured perpendicular to the direction of travel. Most sidewalks have some degree of cross slope to allow the water to drain to the street

\*Number of Curb Cuts

User Input Number

Identify the number of curb cuts in the sidewalk sections

## Sidewalks - Updates and Review

Update Date

User Input Date

Input the date that the updated assessment was completed

Update Observer/Organization

User Input (max 50 characters)

Name of observer(s)/organization collecting updated data - This is important so that if questions arise about the data collected at a crossing, the assessor may be contacted

Update Comments

User Input Text

If anything important is noticed that is not covered through the original assessment, notes should be taken in this field

**Review Status**

***New (Default)***

*Local Review in Process*

*Local Review Complete*

*T2 Review in Process*

*T2 Review Complete*

Denotes the current local and UNH T<sup>2</sup> review status for collected sidewalk data

**Local Review Completion Date**

***User Input Date***

Input date the local review is completed

**T2 Review Completion Date**

***User Input Date***

Input date the T2 review is completed

## Curb Ramps - Network Attributes

**Assessment Date**

**User Input Date**

Record the date when the Curb Ramp assessment is performed - This is a required field

**Collector Name(s) & Organization**

**User Input Text (max 50 characters)**

Name and organization of person collection the data - This is a required field

**Town/City Name**

**Name of Community**

Record the town in which the curb ramp is located

**Road Name**

**Name of Community**

Record the Road on which the curb ramp is located

**Ramp Type**

Perpendicular

Parallel

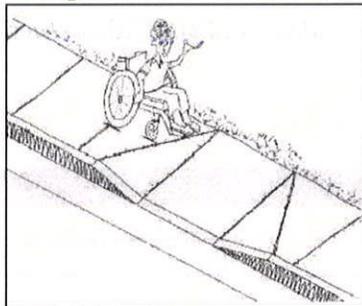
Diagonal

Combined

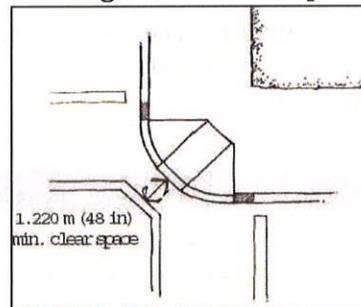
Other

Record the type of Curb Ramp being collected - All illustrations from [www.fhwa.dot.gov](http://www.fhwa.dot.gov)

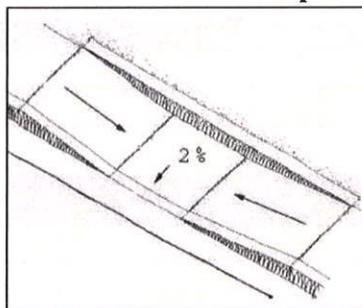
**Perpendicular Curb Ramp**



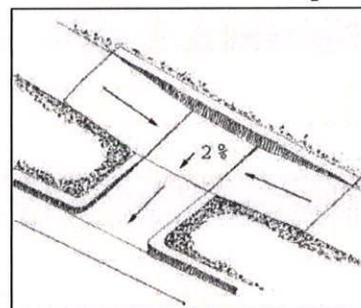
**Diagonal Curb Ramp**



**Parallel Curb Ramp**



**Combined Curb Ramp**



Material
Asphalt
Stamped Asphalt
Brick
Concrete
Stamped Concrete
Pervious
Other

Required for ADA Compliance - Record the most predominant material in the curb-ramp section

- Asphalt
- Stamped Asphalt – a stamped template into asphalt. May include a colored polymer coating.
- Brick
- Concrete
- Stamped Concrete – a stamped template into concrete. Can have a variety of different finishes, styles and designs



Figure 9: Stamped Asphalt Sidewalk (<http://www.patternpaving.com>)

- Pervious – a mixture of coarse aggregate, Portland cement and little to no sand. Results in a highly permeable concrete.
- Unpaved
- Other

Curb Ramp Condition
Good
Fair
Poor
None

Record condition of the Curb Ramp material

Crosswalk Exists
Yes
No

Identify whether or not a crosswalk exists

Are Conditions On/Off Ramp Flush and Free from Abrupt Level Changes?
Yes
No

Identify if the Conditions on & off the Curb Ramp are Free of Level Changes

**Does Curb have Detectable Warnings?**

Yes

No

Identify if the Curb Ramp contains detectable warning devices (i.e. Detectable Warning Pavers/Tiles etc.)



Figure 10: Detectable Warning Pavers & Tiles (<http://www.detectable-warning.com/guidelines.shtml>)

**Is Ramp Blocked by Legally Parked Cars?**

Yes

No

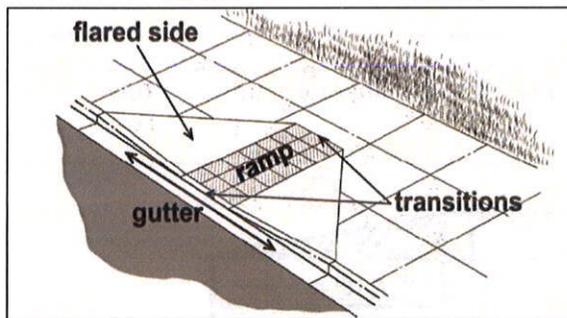
Determine if the Curb Ramp is at all blocked by legally parked cars

**Does the Ramp have Flared Sides?**

Yes

No

Determine if the Curb Ramp has flared sides



**If no Flared Sides, do other Conditions Discourage Use?**

Yes

No

N/A

Determine if any other conditions exist that would make using the ramp difficult

**If up to Curb, is ramp outside the path of cars?**

Yes

No

N/A

Determine if the ramp is outside the path of vehicles

Is the ramp of the curb ramp contained in markings?
Yes
No
N/A

Determine if the Curb Ramp is contained within painted markings

If corner-type, is bottom landing at least 48" long & contained in Crosswalk?
Yes
No
N/A

Determine if the bottom landing of a corner-type Curb Ramp is at least 48" long and contained in the crosswalk

Comments
User Input Text (max 50 characters)

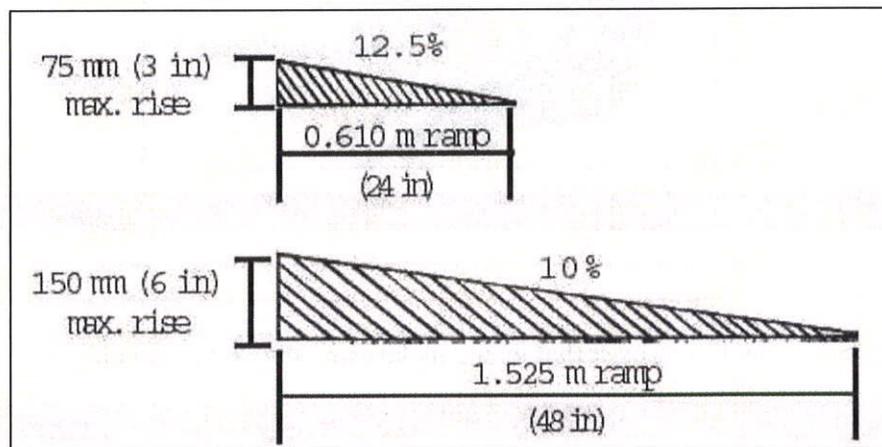
### **Curb Ramps - Project Attributes**

*Is Ramp of curb ramp at least 36" wide?
Yes
No

Required for ADA Compliance - Identify if the Ramp of the Curb Ramp is at least 36" in width

*What is the Ramp Running Slope?
Less than 8.33 Percent
8.33 Percent to 10 Percent
10 Percent to 12.5 Percent
Greater than 12.5 Percent

Required for ADA Compliance - Identify the ramp running slope



**\*What is the Ramp Cross Slope?**

Less than or Equal to 2 Percent

Greater than 2 Percent

Required for ADA Compliance - Identify the ramp cross slope

**\*What is the Gutter Slope?**

Less than or Equal to 5 Percent

Greater than 5 Percent

Required for ADA Compliance – Identify the Gutter Slope

**\*What is the Sidewalks Width at the top of the Ramp?**

Less than 36 inches

36 inches to 48 inches

Greater than 48 inches

Identify the width of the sidewalk at the top of the Ramp

## **Curb Ramps - Updates and Review**

**Update Date**

*User Input Date*

Input the date that the updated assessment was completed

**Update Observer/Organization**

*User Input (max 50 characters)*

Name of observer(s)/organization collecting updated data - This is important so that if questions arise about the data collected at a structure, the assessor may be contacted

**Update Comments**

*User Input Text*

If anything important is noticed that is not covered through the original assessment, notes should be taken in this field

**Review Status**

***New (Default)***

*Local Review In Process*

*Local Review Complete*

*T2 Review In Process*

*T2 Review Complete*

If anything important is noticed that is not covered through the original assessment, notes should be taken in this field

**Local Review Completion Date**

*User Input Date*

Input date the local review is completed

**T2 Review Completion Date**

*User Input Date*

Input date the T2 review is completed

## Crosswalks - Network Attributes

### Assessment Date

User Input Date

Record the date when the sidewalk assessment is performed. This is a required field.

### Collector Name(s) & Organization

User Input Text (max 50 characters)

Name and organization of person collection the data. This is a required field.

### Line Type

Hatched

Parallel

Parallel filled

Textured

Record the line type within the crosswalk

### Material

Asphalt

Stamped Asphalt

Brick

Concrete

Stamped Concrete

Pervious

Other

Record the material of crosswalk

### Paint Type

Retroreflective

Raised

Flat

None

Record material of crosswalk

### Is the Crosswalk Paint Faded?

Yes

No

Identify if the paint is faded.

### Is a Median/Pedestrian Refuge Area Present

Yes

No

Identify if there is a median or pedestrian refuge in the crosswalk.

### Are Raised Speed Humps Present?

Yes

No

Identify if there is a speed hump present

**Are Lighting Utilities Present?**

Yes

No

Identify if crosswalk is lighted

**Are Pedestrian Crossing Signs or Pedestrian Actuated Utilities Present?**

Yes

No

Identify if pedestrian crossing signs or pedestrian actuated controls are present



**Comments**

User Input Text

**Crosswalks - Project Attributes**

**\* Width (Feet & Inches)**

User Inputted Number

Identify the width of the crosswalk

**\* Cross Slope**

User Inputted Number

Identify the maximum crossslope of the crosswalk – Perpendicular to the direction of travel

**\* Running Slope**

User Inputted Number

Identify the maximum running slope of the crosswalk – Parallel to the direction of travel

**Updates and Review**

**Reassessment Date**

User Input Date

Input the date that the updated assessment was completed

**Update Observer/Organization**

User Input (max 50 characters)

Name of observer(s)/organization collecting updated data - This is important so that if questions arise about the data collected at a crossing, the assessor may be contacted

**Update Comments**

User Input Text

If anything important is noticed that is not covered through the original assessment, notes should be taken in this field

**Review Status**

***New (Default)***

*Local Review In Process*

*Local Review Complete*

*T2 Review In Process*

*T2 Review Complete*

Status of local and T2 review is to be noted in this section

**Local Review Completion Date**

*User Input Date*

Input date the local review is completed

**T2 Review Completion Date**

*User Input Date*

Input date the T2 review is completed

## **Photograph Guide (Optional)**

The photography section of the Pedestrian Infrastructure Protocol document was established to outline the method for the optional collection of Sidewalk, Curb-Ramp, and Crosswalk photographs.

The SADES working group, and program users, have concluded that not all pedestrian assets and associated conditions included with this program require the collection of photographs. However, certain structures, field locations, and asset conditions are more easily examined and assessed using imagery collected in the field. Therefore, a Pedestrian Infrastructure Picture feature service has been established to provide field technicians with the ability to deliver asset photographs when deemed appropriate.

### **Sidewalks**

*1-Attachment*

*2-Attachment*

*3-Attachment*

The following photo views are preferred:

- View of sidewalk section (direction of travel at time of collection)
- View of sidewalk deformity #1 (if needed)
- View of sidewalk deformity #2 (if needed)

### **Curb Ramps**

*1-Attachment*

*2-Attachment*

*3-Attachment*

The following photo views are preferred:

- View of curb-ramp
- View of curb-ramp deformity #1 (if needed)
- View of curb-ramp deformity #2 (if needed)

### **Crosswalks**

*1-Attachment*

*2-Attachment*

*3-Attachment*

The following photo views are preferred:

- View of crosswalk (direction of travel at time of collection)
- View of crosswalk deformity #1 (if needed)
- View of crosswalk deformity #2 (if needed)

## Sidewalks - Bibliography

*Designing Sidewalks and Trails for Access.* (2014, June). Retrieved from Federal Highway Administration: [http://www.fhwa.dot.gov/environment/bicycle\\_pedestrian/publications/sidewalks](http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/sidewalks)

### APPENDIX 1: SIDEWALKS - FIELD PARAMETERS

Field Name	Data Type	Alias	Null	Domain	Char Max Length	Default
ASSE_DATE	Date	Assessment Date	Y			
Observers	Text	Collector Name(s) & Organization	Y		50	
Town	Text	Town Name	Y		50	
Road_Name	Text	Road Name	Y		50	
Side_of_Street	Text	Side of Street	Y	Side_of_Street		
Maintained_by	Text	Maintenance Entity	Y	Maintained_by		UNK
Update_Reconstruction_Date	Date	Update or Reconstruction Date	Y			
Material	Text	Structure Material	Y	Material		
Sidewalk_Condition	Text	Sidewalk Condition	Y	Condition		
Surface_Defects	Text	Existence of Surface Defects	Y	Yes_No		
Curb_Type	Text	Curb Type	Y	Curb_Type		
Curb_Condition	Text	Curb Condition	Y	Condition		
Gutter_Pan_Present?	Text	Is Gutter Pan Present?	Y	Yes_No		
Minimum_Curb_Depth	Long Integer	Minimum Curb Depth	Y			
Existence_of_Buffer	Text	Existence of Buffer	Y	Existence_of Buffer		
Obstructions	Text	Obstructions	Y	Obstructions		
Minimum_Passable_Width	Text	Minimum Passable Width	Y	Minimum Passable_Width		
Minimum_Vertical_Clearance	Text	Minimum Vertical Clearance	Y	Minimum Vertical_Width		
Changes_in_Level	Text	Changes in Level	Y	Change_in Level		
Does_Grate_Gap_Spacing Exceed_0.5in?	Text	Does Grate/Gap Spacing Exceed 0.5 inches?	Y	Yes_No		
Maximum_Grade_Percentage*	Long Integer	Maximum Grade Percentage	Y			
Greatest_Cross_Slope*	Long Integer	Greatest Cross Slope	Y	Cross_Slope		
Number_of_Curb_Cuts*	Long Integer	Number of Curb Cuts	Y			
Reassessment_Date*	Date	Reassessment Date	Y			
Update_Observers Organizations*	Text	Update Observers & Organization	Y		50	
Update_Comments*	Text	Update Comments	Y		50	
Review	Text	Review Status	Y	Review		New
Local_Review_Date	Date	Local Review Date	Y			
T2_Review_Date	Date	T2 Review Date	Y			

**APPENDIX 2: SIDEWALKS - DOMAIN LIST**

EXISTENCE_OF_BUFFER	MIN_VERT_CLEARANCE	SIDEWALK_CONDITION	CURB_TYPE
Grass Strip	Unlimited	Good	Asphalt
Bicycle Lane	Greater than 80 inches	Fair	Concrete
Parking Spaces	Less than 80 inches	Poor	Granite
Street Furniture		None	Other
Other			None

CHANGE_IN_LEVEL	MAINTAINED_BY	MATERIAL	OBSTRUCTIONS
Level	Town	Asphalt	None
Less than 0.25 inches	County	Stamped Asphalt	Movable Objects
0.25 inches to 0.50 inches	NH DOT	Brick	Water
Greater than 0.50 inches	Other	Concrete	Vegetation
	Unknown (default)	Stamped Concrete	Drain
		Pervious	Fixed Object
		Unpaved	Fixed Sign
		Other	Hydrant
			Tree Trunk
			Utility Pole

REVIEW	SIDE_OF_STREET	MIN_VERT_CLEARANCE	MIN_PASSABLE_WIDTH
New (Default)	North	Unlimited	Greater than 60 inches
Local Review In Process	South	Greater than 80 inches	36 inches to 60 inches
Local Review Complete	East	Less than 80 inches	Less than 36 inches
T2 Review In Process	West		
T2 Review Complete	North-East		
	North-West		
	South-East		
	South-West		

YES_NO
Yes
No

## Bibliography

*Designing Sidewalks and Trails for Access.* (2014, June). Retrieved from Federal Highway Administration: [http://www.fhwa.dot.gov/environment/bicycle\\_pedestrian/publications/sidewalks](http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/sidewalks)

### APPENDIX 3: FIELD PARAMETERS

Field Name	Data Type	Alias	Null	Domain	Max Length	Default
SADES_ID	Text	SADES ID	Y		50	
ASSES_DATE	Date	Assessment Date	Y			
Observers	Text	Collector Name(s) & Organization	Y		50	
Town	Text	Town	Y		50	
Ramp_Type	Text	Ramp Type	Y	Ramp_Type		
Material	Text	Material	Y	Material		
Curb_Ramp_Condition	Text	Curb Ramp Condition	Y	Condition		
Cross_Walk_Exists	Text	Crosswalk Exists	Y	Yes_No		
Cond_on_off_ramp_free_of_Level Changes	Text	Are conditions on/off ramp free of Level Changes?	Y	Changes_In_Level		
Does_Curb_have_Detectable Warnings	Text	Does Curb have Detectable Warnings	Y	Yes_No		
Is_Ramp_Blocked_by_Legally Parked_Cars	Text	Is Ramp Blocked by Legally Parked Cars?	Y	Yes_No		
Does_Ramp_Have_Flared Sides	Text	Does Ramp have Flared Sides?	Y	Yes_No		
Other_Conditions_Discouraging_Ped_Use	Text	If no Flared Sides, do other conditions exist which discourage use?	Y	Yes, No or NA		
Outside_Path_of_Cars	Text	If up to the curb, is ramp outside the path of cars?	Y	Yes, No or NA		
Is_Ramp_of_CurbRamp contained_in_Markings	Text	Is ramp contained in markings?	Y	Yes, No or NA		
CornerType_bottom48" Long contained_in_xwalk	Text	If corner-type, is landing at least 48" long & contained in crosswalk?	Y	Yes, No or NA		
COMMENTS	Text	Comments?	Y		50	

*IS_RAMP_AT_LEAST_36"WIDE?	Text	*Is ramp of curb ramp at least 36 wide?	Y	Yes_No		
*RAMP_RUNNING_SLOPE	Text	*What is the Ramp Running Slope?	Y	Ramp_Running Slope		
*RAMP_CROSS_SLOPE	Text	*What is the Ramp Cross Slope?	Y	Cross_Slope		
*GUTTER_SLOPE	Text	What is the Ramp Gutter Slope?	Y	Gutter_Slope		
*SIDEWALK_WIDTH_TOP OF_RAMP	Text	What is the Sidewalk Width at the top of the Ramp?	Y	Sidewalk_Width Top_Ramp		
UPDATE_DATE	Date	Reassessment Date?	Y			
UPDATE_OBSERVER ORGANIZATION	Text	Update Observer & Organization	Y		50	
UPDATE_COMMENT	Text	Update Comments	Y		50	
REVIEW	Text	Review	Y	Review		
LOCAL_REVIEW_DATE	Date	Local Review Completion Date	Y			
T2_DATE	Date	T2 Review Completion Date	Y			

**APPENDIX 4: CURB RAMP DOMAIN LIST**

RAMP_TYPE	CONDITION	GUTTER_SLOPE	CROSS_SLOPE
Perpendicular	Good	Less than or Equal to 5 Percent	Less than or Equal to 2 Percent
Parallel	Fair	Greater than 5 Percent	Greater than 2 Percent
Diagonal	Poor	<b>YES_NO</b>	
Combined	None	Yes	
Other		No	

RAMP_RUNNING_SLOPE	SIDEWALK_WIDTH TOP_OF_RAMP	REVIEW	MATERIAL
Less than 8.33 Percent	Less than 36 Inches	Local Review in Process	Asphalt
8.33 Percent to 10 Percent	36 Inches to 48 Inches	Local Review Complete	Stamped Asphalt
10 Percent to 12.5 Percent	Greater than 48 Inches	T2 Review in Process	Brick
Greater than 12.5 Percent		T2 Review Complete	Concrete
			Stamped concrete
			Pervious
			Unpaved
			Other

YES_NO_NA
Yes
No
Na

## Bibliography

(2014, August 19). Retrieved from American with Disabilities Act: [www.ada.gov](http://www.ada.gov)

*Designing Sidewalks and Trails for Access.* (2014, June). Retrieved from Federal Highway Administration: [http://www.fhwa.dot.gov/environment/bicycle\\_pedestrian/publications/sidewalks](http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/sidewalks)

## APPENDIX 5: FIELD PARAMETERS

Field Name	Data Type	Alias	Null	Domain	Max Length	Default
SADES_ID	Text	SADES ID	Y			
ASSE_DATE	Text	Date	Y			
OBSERVERS	Text	Collector Name(s) & Organization	Y		50	
TOWN	Text	Town	Y			
LINE_TYPE	Text	Line Type	Y	Line_Type		
MATERIAL	Text	Material	Y	Material		
PAINT_FADED	Text	Is Paint Faded?	Y	Yes_No		
MEDIAN_PED REFUGE_PRESENT?	Text	Is a Median or Pedestrian Refuge Present?	Y	Yes_No		
RAISED_SPEED HUMP_PRESENT?	Text	Are Raised Speed Humps Present?	Y	Yes_No		
LIGHTING_PRESENT?	Text	Are Lighting Utilities Present?	Y	Yes_No		
SIGNS_PED_UTILITIES PRESENT?		Are Pedestrian Crossing Signs or Actuated Utilities Present?	Y	Yes_No		
COMMENTS	Text	Comments	Y		50	
WIDTH	Text	Width	Y			
CROSS_SLOPE	Text	Cross Slope	Y	Cross_Slope		
RUNNING_SLOPE	Text	Running Slope	Y	Ramp_running Slope		
UPDATE_DATE	Date	Reassessment Date	Y			
UPDATE_OBSERVER ORGANIZATION	Text	Update Observer/Org	Y		50	
UPDATE_COMMENT	Text	Update Comment	Y		50	
REVIEW	Text	Review Status	Y			
LOCL_REVIEW_DATE	Date	Local Review Date	Y			
T2_REVIEW_DATE	Date	T2 Review Date	Y			

## APPENDIX 6: DOMAIN LIST

LINE TYPE	MATERIAL	Yes or No	Cross Slope
Hatched	Asphalt	Yes	Less than or Equal to 2 Percent
Parallel	Stamped Asphalt	No	Greater than 2

			Percent
Parallel Filled	Brick		
Textured	Concrete		
	Stamped Concrete		
	Pervious		
	Unpaved		
	Other		
<b>Ramp Running Slope</b>			
Less than 8.33 Percent			
8.33 Percent to 10 Percent			
10 Percent to 12.5 Percent			
Greater than 12.5 Percent			