

Table Project							
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Length
OBJECTID	Object ID						
ProjectNumber	GUID	Yes			0		
ProjectName	String	Yes					64
LocationDescription	String	Yes					128
SponsoringAgency	String	Yes					32
ForecastStartDate	Date	Yes					
ActualStartDate	Date	Yes					
ForecastEndDate	Date	Yes					
ActualEndDate	Date	Yes					
EstimatedCost	Double	Yes			9	2	
FinalCost	Double	Yes			9	2	
FundingSource	String	Yes					20
Contractor	String	Yes					32

Public works projects

Identifier of project
Name of project
Description of project site
Name of sponsoring agency
Date forecast for start
Actual date of start
Date forecast for completion
Actual date of completion
Estimated project cost
Final project cost
Source of project funding
Name of contractor



Attributed relationship class

ProjectHasSegment

Type	Simple	Forward label	Has
Cardinality	Many to many	Backward label	Is part of
Notification	None		

Origin table

Name

Project

Primary key

ProjectNumber

Foreign key

ProjectNumber

Destination table

Name

StreetSegment

Field name	Data type	Allow nulls	Pre- cision	Scale	Length
OBJECTID	Object ID				
ProjectNumber	GUID	Yes	0		
SegmentID	GUID	Yes	0		

Coded value domain PaveTypes	
Description	Pavement types
Field type	String
Split policy	Default value
Merge policy	Default value
Code	Description
AB	Non-stabilized aggregate base
ATPB	Open-graded, asphalt-treated permeable base
BDRK	Bedrock
CAB	Coarse aggregate base
CMA	Cold-mix asphalt
CTB	Cement-treated base
CTPB	Open-graded, cement-treated permeable base
GAB	Granular aggregate base
HMAC	Dense-graded, hot-mix asphalt concrete
LCB	Lean concrete base
LMB	Lime-modified or lime-stabilized base
PCC	Portland cement concrete
PCCO	Portland cement concrete overlay
SOIL	Subgrade soil
UNKN	Unknown

Simple feature class StreetSegment							
				Geometry	Polyline		
				Contains M values	No		
				Contains Z values	No		
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
SegmentID	GUID	Yes			0		
PreDirection	String	Yes		Direction			2
PreType	String	Yes		StreetType			4
BaseName	String	Yes					30
PostType	String	Yes		StreetType			4
PostDirection	String	Yes		Direction			2
LeftFromAdd	Long Integer	Yes			0		
LeftToAdd	Long Integer	Yes			0		
RightFromAdd	Long Integer	Yes			0		
RightToAdd	Long Integer	Yes			0		
LeftCommunity	String	Yes					20
RightCommunity	String	Yes					20
LeftZip	String	Yes					5
RightZip	String	Yes					5
LabelName	String	Yes					46
FunctionalClass	Short Integer	Yes		ClassCode	0		
NumLanes	Short Integer	Yes			0		
AADT	Single	Yes			0	0	
PaveSegmentID	GUID	Yes			0		
Shape_Length	Double	Yes			0	0	

Street segments

Identifier of street segment
Direction prefix
Street type prefix
Base portion of street name
Street type suffix
Direction suffix
Left side from address
Left side to address
Right side from address
Right side to address
Left side community name
Right side community name
Left side Zip code
Right side Zip code
Street name to use for labeling
Federal functional class
Number of lanes
Annual average daily traffic
Identifier of pavement segment

Table PavementSegment							
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Length
OBJECTID	Object ID						
PaveSegmentID	GUID	Yes		PaveTypes	0		
SurfaceType	String	Yes					4
NumberOfLayers	Short Integer	Yes			0		
TotalDepth	Float	Yes			0	0	
LastInspectionDate	Date	Yes					
IRIRating	Float	Yes			0	0	
RutDepth	Float	Yes			0	0	
PSRating	Float	Yes			0	0	

Pavement segments

Identifier of pavement segment
Type of pavement for surface
Number of pavement layers
Total pavement thickness
Date of last inspection
Ride rating (IRI scale)
Rut depth (inches)
Pavement serviceability rating

Table PavementLayer							
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Length
OBJECTID	Object ID						
PaveSegmentID	GUID	Yes			0		
LayerNumber	String	Yes					4
PavementType	Short Integer	Yes		PaveTypes	0		
LayerThickness	Float	Yes			0	0	
ProjectNumber	Float	Yes			0	0	
InstallDate	Date	Yes					

Pavement segment layers

Identifier of pavement segment
Identifier of pavement layer
Type of pavement for layer
Pavement layer thickness
Identifier of installing project
Date of installation