Comprehensive Data Management System (CDMS) Data Dictionary

For Use with

Hazus-MH Version 2.1

Developed by:
Department of Homeland Security
Federal Emergency Management Agency
Mitigation Division
Washington, D.C.

Contents

Essential Facilities

Care Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
AhaId	AHA ID	FALSE	Text(7)				All
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
BldgDamageFnId	Structure Damage Function Id	TRUE	Text(10)			474	FL
BldgType	Flood Building Type	TRUE	Text(15)		Table C.1	WOOD	FL
CareFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
ContDamageFnId	Contents Damage Function	TRUE	Text(10)			309	FL
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Flood Pre/Post FIRM Design Level	TRUE	Text(1)		Table C.2	0	FL
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
EfClass	Facility Class	TRUE	Text(5)		Table A.2	MDFLT	All
eqBldgType	EQ Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FirstFloorHt	Heigth of the First Occupied Floor	TRUE	Integer	Feet		3	FL
FloodProtection	Protection In terms of return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	TRUE	Text(1)		Table C.3	4	FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumBeds	Number of Beds	FALSE	Long Integer				All
NumStories	Number of Stories	FALSE	Byte				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	TRUE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Use	Primary Function	FALSE	Text(10)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Emergency Center Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Area	Area	FALSE	Single				All
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
BldgDamageFnId	Structure Damage Function Id	TRUE	Text(10)			640	FL
BldgType	Flood Building Type	TRUE	Text(15)		Table C.1	WOOD	FL
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
ContDamageFnId	Content Damage Function Id	TRUE	Text(10)			477	FL
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Flood Pre/Post FIRM Design Level	TRUE	Text(1)		Table C.2	0	FL
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
EfClass	Facility Class	TRUE	Text(5)		Table A.2	EDFLT	All
EocId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FirstFloorHt	First Occupied Floor Height	TRUE	Integer	Feet		0	FL
FloodProtection	Protection In terms of return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	TRUE	Text(1)		Table C.3	4	FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Kitchen	Kitchen Facilities [Y/N]	FALSE	Yes/No				All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
ShelterCapacity	Shelter Capacity	FALSE	Integer				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Fire Stations Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Area	Area	FALSE	Long Integer				All
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
BldgDamageFnId	Structure Damage Function	TRUE	Text(10)			640	FL
BldgType	Flood Building Type	TRUE	Text(15)		Table C.1	Concrete	FL
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
ContDamageFnId	Contents Damage Function	TRUE	Text(10)			477	FL
Cost	Replacement cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Flood Pre/Post FIRM Design Level	TRUE	Text(1)		Table C.2	0	FL
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
EfClass	Facility Class	TRUE	Text(5)		Table A.2	FDFLT	All
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FireStationId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
FirstFloorHt	First Occupied Floor Height	TRUE	Integer	Feet		0	FL
FloodProtection	Protection In terms of return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	TRUE	Text(1)		Table C.3	7	FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Kitchen	Kitchen Facilities [Y/N]	FALSE	Yes/No				All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
NumTrucks	Number of Trucks	FALSE	Integer				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
ShelterCapacity	Shelter Capacity	FALSE	Integer				All
SoilType	Soil Type	TRUE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Police Station Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Area	Area	FALSE	Single				All
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
BldgDamageFnId	Structure Damage Function Id	TRUE	Text(10)			640	FL
BldgType	Flood Building Type	TRUE	Text(15)		Table C.1	Concrete	FL
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
ContDamageFnId	Content Damage Function Id	TRUE	Text(10)			477	FL
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Flood Pre/Post FIRM Design Level	TRUE	Text(1)		Table C.2	0	FL
DesignLevel	Design Level	TRUE	Text(1)		Table B.6	LC	EQ
EfClass	Facility Class	TRUE	Text(5)		Table A.2	PDFLT	All
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FirstFloorHt	First Occupied Floor Height	TRUE	Integer	Feet		0	FL
FloodProtection	Protection in terms of Return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	TRUE	Text(1)		Table C.3	4	FL
FoundationType	Foundation Type	FALSE	Text(2)		Table B.3	0	EQ
Kitchen	Kitchen Facilities [Y/N]	FALSE	Yes/No				All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
PoliceStationId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
ShelterCapacity	Shelter Capacity	FALSE	Integer				All
SoilType	Soil Type	TRUE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

CDMS Data Dictionary

Schools Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Area	Area	FALSE	Single				All
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
BldgDamageFnId	Structure Damage Function Id	TRUE	Text(10)			643	FL
BldgType	Flood Building Type	TRUE	Text(15)		Table C.1	Masonry	FL
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
ContDamageFnId	Contents Damage Function	TRUE	Text(20)			480	FL
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Flood Pre/Post FIRM Design Level	TRUE	Text(1)		Table C.2	0	FL
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
District	School District	FALSE	Text(30)				All
EfClass	Facility Class	TRUE	Text(5)		Table A.2	SDFLT	All
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FirstFloorHt	Height of the First Occupied Floor	TRUE	Integer	Feet		0	FL
FloodProtection	Protection In terms of return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	TRUE	Text(1)		Table C.3	7	FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3		EQ
Kitchen	Kitchen Facilities [Y/N]	FALSE	Yes/No				All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
NumStudents	Number of Students	FALSE	Integer				All
PhoneNumber	Phone Number	FALSE	Text(14)				All
SchoolId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
ShelterCapacity	Shelter Capacity	FALSE	Integer				All
SoilType	Soil Type	TRUE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Tract	Census Tract	FALSE	Text(11)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Transportation Systems

Airport Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
AirportFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
Cargo	Capacity (tons/day)	FALSE	Long Integer	Tons/day			All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumFlights	Capacity (flights/day)	FALSE	Integer	Flights/day			All
NumPassengers	Capacity (passengers/day)	FALSE	Integer	Passangers/day			All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
TranspFcltyClass	Analysis Class	TRUE	Text(5)		Table A.10	ADFLT	All
Use	Primary Function	FALSE	Text(10)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

CDMS Data Dictionary

Bus Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
BusFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Daily Traffic (bus/day)	FALSE	Long Integer				All
TranspFcltyClass	Analysis Class	TRUE	Text(5)		Table A.7	BDFLT	All
Use	Primary Function	FALSE	Text(10)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Ferry Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FerryFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Traffic (Ferris/Day)	FALSE	Long Integer				All
TranspFcltyClass	Analysis Class	TRUE	Text(5)		Table A.9	FDFLT	All
Use	Primary Function	FALSE	Text(10)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Highway Bridges

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
BridgeClass	Analysis Class	TRUE	Text(5)		Table A.4	HDFLT	All
BridgeType	Structure Type	FALSE	Text(8)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Condition	General Condition Rating	FALSE	Text(3)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
Elevation	Elevation of the Bridge deck	TRUE	Double			0	FL
FoundationType	Flood Structure Foundation Type	FALSE	Text(1)		Table C.3	4	All
HighwayBridgeId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
Latitude	Latitude	FALSE	Double				All
Length	Bridge Length (m)	FALSE	Long Integer	Meters			All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
MaxSpanLength	Maximum Span Length (m)	FALSE	Double	Meters			All
Name	Bridge Name	FALSE	Text(40)				All
NumSpans	Number of Spans	FALSE	Byte				All
Owner	Bridge Owner	FALSE	Text(25)				All
PierType	Pier Type	FALSE	Text(10)				All
ScourIndex	Scour Index	FALSE	Text(1)				All
SeatLength	Seat Length (m)	FALSE	Double	Meters			All
SeatWidth	Seat Width (m)	FALSE	Double	Meters			All
SkewAngle	Skew Angle (degrees)	FALSE	Double	Degrees			All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Daily Traffic (cars/day)	FALSE	Long Integer	Cars/day			All
TrafficIndex	Traffic Index	FALSE	Text(2)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
Width	Bridge Width (m)	FALSE	Double	Meters			All
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
YearRemodeled	Year Bridge Was Remodeled	FALSE	Integer	1500 to 2100			All

Highway Tunnels

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Comment	Misc. Comments	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
HighwayTunnelId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
Latitude	Latitude	FALSE	Double				All
Length	Tunnel Length (m)	FALSE	Single	Meters			All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Tunnel Name	FALSE	Text(40)				All
Owner	Tunnel Owner	FALSE	Text(25)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Traffic Index	FALSE	Long Integer				All
TunnelClass	Analysis Class	TRUE	Text(5)		Table A.4	HDFLT	All
Type	Structure Type	FALSE	Text(5)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
Width	Tunnel Width (m)	FALSE	Double	Meters			All
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All

Light Rail Bridges

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
BridgeClass	Analysis Class	TRUE	Text(5)		Table A.6	LDFLT	All
BridgeType	Structure Type	FALSE	Text(8)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Condition	General Condition Rating	FALSE	Text(3)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
Elevation	Elevation Number	TRUE	Double			0	FL
FoundationType	Flood Structure Foundation Type	FALSE	Text(1)		Table C.3	4	All
Latitude	Latitude	FALSE	Double				All
Length	Total Bridge Length (m)	FALSE	Long Integer	Meters			All
LightRailBridgeId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
MaxSpanLength	Maximum Span Length (m)	FALSE	Double	Meters			All
Name	Bridge Name	FALSE	Text(40)				All
NumSpans	Number of Spans	FALSE	Byte				All
Owner	Bridge Owner	FALSE	Text(25)				All
PierType	Pier Type	FALSE	Text(10)				All
ScourIndex	Scour Index	FALSE	Text(1)				All
SeatLength	Seat Length (m)	FALSE	Double	Meters			All
SeatWidth	Seat Width (m)	FALSE	Double	Meters			All
SkewAngle	Skew Angle (degrees)	FALSE	Double	Degrees			All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Daily Traffic (cars/day)	FALSE	Long Integer	Cars/day			All
TrafficIndex	Traffic Index	FALSE	Text(2)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
Width	Bridge Width (m)	FALSE	Double	Meters			All
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
YearRemodeled	Year Bridge Was Remodeled	FALSE	Integer	1500 to 2100			All

Light Rail Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table A.25		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LightRailFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
Owner	Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	TRUE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Daily Traffic	FALSE	Long Integer				All
TranspFcltyClass	Analysis Class	TRUE	Text(5)		Table A.6	LDFLT	All
Use	Primary Function	FALSE	Text(10)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Light Rail Tunnels

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Comment	Misc. Comments	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
Latitude	Latitude	FALSE	Double				All
Length	Length	FALSE	Integer	Meters			All
LightRailTunnelId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Name	FALSE	Text(40)				All
Owner	Owner	FALSE	Text(25)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Daily Traffic	FALSE		trains/day			All
TunnelClass	Analysis Class	TRUE	Text(5)		Table A.6	LDFLT	All
Type	Type	FALSE	Text(5)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
Width	Width	FALSE	Single	Meters			All
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All

Port Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
Capacity	Capacity (tons/day)	FALSE	Long Integer				All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumBerths	Number of Berths	FALSE	Integer				All
NumCranes	Number of Cranes	FALSE	Integer				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
PortFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
TranspFcltyClass	Analysis Class	TRUE	Text(5)		Table A.8	PDFLT	All
Use	Primary Function	FALSE	Text(10)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Rail Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
City	Facility City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
RailFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Daily Traffic (trains/day)	FALSE	Long Integer	trains/day			All
TranspFcltyClass	Analysis Class	TRUE	Text(5)		Table A.5	RDFLT	All
Use	Primary Function	FALSE	Text(10)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Railway Bridges

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
BridgeClass	Analysis Class	TRUE	Text(5)		Table A.5	RDFLT	All
BridgeType	Structure Type	FALSE	Text(8)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Condition	General Condition Rating	FALSE	Text(3)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
Elevation	Elevation of the Bridge deck	TRUE	Double			0	FL
FoundationType	Flood Structure Foundation Type	FALSE	Text(1)		Table B.7	4	All
Latitude	Latitude	FALSE	Double				All
Length	Total Bridge Length (m)	FALSE	Long Integer	Meters			All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
MaxSpanLength	Maximum Span Length (m)	FALSE	Double	Meters			All
Name	Bridge Name	FALSE	Text(40)				All
NumSpans	Number of Spans	FALSE	Byte				All
Owner	Bridge Owner	FALSE	Text(25)				All
PierType	PierType	FALSE	Text(10)				All
RailwayBridgeId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
ScourIndex	Scour Index	FALSE	Text(1)				All
SeatLength	Seat Length (m)	FALSE	Double	Meters			All
SeatWidth	Seat Width (m)	FALSE	Double	Meters			All
SkewAngle	Skew Angle (degrees)	FALSE	Double	Degrees			All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Daily Traffic (cars/day)	FALSE	Long Integer	Cars/day			All
TrafficIndex	Traffic Index	FALSE	Text(2)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
Width	Bridge Width (m)	FALSE	Double	Meters			All
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
YearRemodeled	Year Bridge Was Remodeled	FALSE	Integer	1500 to 2100			All

Railway Tunnel

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Comment	Misc. Comments	FALSE	Text(0)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
Latitude	Latitude	FALSE	Double				All
Length	Tunnel Length (m)	FALSE	Single	Meters			All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Tunnel Name	FALSE	Text(40)				All
Owner	Tunnel Owner	FALSE	Text(25)				All
RailwayTunnelId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Tract	Census Tract	FALSE	Text(11)				All
Traffic	Traffic Index	FALSE	Long Integer				All
TunnelClass	Analysis Class	TRUE	Text(5)		Table A.7	RDFLT	All
Type	Structure Type	FALSE	Text(5)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
Width	Tunnel Width (m)	FALSE	Double	Meters			All
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All

Airport Runways

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
AirportId	Airport Identifier	FALSE	Text(8)				All
Capacity	Capacity (flights/day)	FALSE	Long Integer	Flights/day			All
Comment	Misc. Comments	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Runway Name	FALSE	Text(40)				All
Pavement	Pavement Type	FALSE	Text(10)				All
RunwayId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
RunwayLength	Runway Length (m)	FALSE	Double	Meters			All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Tract	Census Tract	FALSE	Text(11)				All
TranspFcltyClass	Analysis Class	TRUE	Text(5)		Table A.10		All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ

Utility Systems

Communication Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
CommunicationFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (Thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Use	Primary Function	FALSE	Text(10)				All
UtilFcltyClass	Analysis Class	TRUE	Text(5)		Table A.16	CDFLT	All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Electrical Power Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
Capacity	Capacity	FALSE	Single				All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
ElectricPowerFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
EquipmentHt	Average height of electrical equipment	FALSE	Double	Feet		0	FL
FloodProtection	Protection In terms of return period	FALSE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	FALSE	Text(1)		Table C.3	7	FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
Owner	Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Use	Primary Function	FALSE	Text(10)				All
UtilDamageFnId	The assigned damage function	FALSE	Text(10)			60	FL
UtilFcltyClass	Analysis Class	TRUE	Text(5)		Table A.15	EDFLT	All
UtilIndicator	Utility Indicator	FALSE	Integer			0	FL
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	Zipcode	FALSE	Text(10)				All

Natural Gas Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
Capacity	Capacity (In Million fl^3/Day)	FALSE	Single	Million fl^3/Day			All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
EquipmentHt	Average height of electrical equipment	TRUE	Double	Feet		0	FL
FloodProtection	Protection In terms of return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	TRUE	Text(1)		Table C.3	7	FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NaturalGasFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
NumStories	Number of Stories	FALSE	Byte				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Use	Primary Function	FALSE	Text(10)				All
UtilDamageFnId	The assigned damage function	TRUE	Text(10)			59	FL
UtilFcltyClass	Analysis Class	TRUE	Text(5)	Table A.16	Table A.14	GDFLT	All
UtilIndicator	Utility Indicator	FALSE	Integer			0	FL
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Zipcode	ZIP Code	FALSE	Text(10)				All

Natural Gas Pipeline Distribution

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
BrittlePipe	Brittle Distribution Pipes (km)	TRUE	Single				EQ
DuctilePipe	Ductile Distribution Pipes (km)	TRUE	Single				EQ
TotalPipe	Total Distribution Pipes (km)	TRUE	Single				EQ
Tract	Census Tract	TRUE	Text(11)				EQ

Oil Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
Capacity	Capacity (Thous. Barrels/Day)	FALSE	Single	Thous.			All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
EquipmentHt	Average height of electrical equipment	TRUE	Double	Feet		0	FL
FloodProtection	Protection In terms of return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	FALSE	Text(1)		Table C.3		FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumStories	Number of Stories	TRUE	Integer			0	FL
OilFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Use	Primary Function	FALSE	Text(10)				All
UtilDamageFnId	The assigned damage function	TRUE	Text(10)			48	FL
UtilFcltyClass	Analysis Class	TRUE	Text(5)		Table	ODFLT	All
UtilIndicator	Utility Indicator	FALSE	Integer			0	FL
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Zipcode	ZIP Code	FALSE	Text(10)				All

Oil Pipeline Distribution

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
BrittlePipe	Brittle Distribution Pipes (km)	TRUE	Single				EQ
DuctilePipe	Ductile Distribution Pipes (km)	TRUE	Single				EQ
TotalPipe	Total Distribution Pipes (km)	TRUE	Single				EQ
Tract	Census Tract	TRUE	Text(11)				EQ

Potable Water Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
Capacity	Capacity (Million Gallons/Day)	FALSE	Long	Million			All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
Demand	Daily Demand	FALSE	Single				All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
EquipmentHt	Average height of electrical equipment	FALSE	Double	Feet		0	FL
FloodProtection	Protection In terms of return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	FALSE	Text(1)		Table C.3		FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
GClass	Class for the Network Analysis	FALSE	Text(1)				All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
PotableWaterFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
SystemId	Identifier for Water System	FALSE	Text(5)				All
Tract	Census Tract	FALSE	Text(11)				All
Use	Primary Function	FALSE	Text(10)				All
UtilDamageFnId	The assigned damage function	TRUE	Text(10)			4	FL
UtilFcltyClass	Analysis Class	TRUE	Text(5)		Table	PDFLT	All
UtilIndicator	Utility Indicator	FALSE	Integer			0	FL

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
YearUpgraded	Year Upgraded	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Potable Water Distribution Pipeline

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
BrittlePipe	Brittle Distribution Sewer (km)	TRUE	Single				EQ
DuctilePipe	Ductile Distribution Sewer (km)	TRUE	Single				EQ
TotalPipe	Total Distribution Sewer (km)	TRUE	Single				EQ
Tract	Census Tract	TRUE	Text(11)				EQ

Waste Water Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Anchor	Anchored Yes(1) or No(0)	FALSE	Yes/No		Table B.7		EQ
BackupPower	Back-up Power Yes(1) or No(0)	FALSE	Yes/No				All
Capacity	Capacity (Million Gallons/Day)	FALSE	Long	Million			All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
Demand	Daily Demand	FALSE	Single	Million			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
EquipmentHt	Average height of electrical equipment	TRUE	Double	Feet		0	FL
FloodProtection	Protection In terms of return period	TRUE	Integer			0	FL
FoundationType	Flood Structure Foundation Type	FALSE	Text(10)		Table C.3		FL
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
GClass	Class for the Network Analysis	FALSE	Text(1)				All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
SystemId	Identifier for Waste Water System	FALSE	Text(5)				All
Tract	Census Tract	FALSE	Text(11)				All
Use	Primary Function	FALSE	Text(10)				All
UtilDamageFnId	UtilDamageFnId	TRUE	Text(10)	Table A.14		45	FL
UtilFcltyClass	Analysis Class	TRUE	Text(5)		Table	CDFLT	All
UtilIndicator	Utility Indicator	FALSE	Integer			0	FL

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
WasteWaterFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
YearUpgraded	Year Upgraded	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Waste Water Pipeline Distribution

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
BrittlePipe	Brittle Distribution Sewer (km)	TRUE	Single				EQ
DuctilePipe	Ductile Distribution Sewer (km)	TRUE	Single				EQ
TotalPipe	Total Distribution Sewer (km)	TRUE	Single				EQ
Tract	Census Tract	TRUE	Text(11)				EQ

High Potential Loss Facilities

Inventory of Dams

Field Name	Field Description	Required	Type	Units	Domain	Default
Comment	Misc. Comments	FALSE	Text(40)			
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $		
CountyName	County Name	FALSE	Text(30)			
DamClass	Analysis Class	FALSE	Text(5)		Table	
DamHeight	Height of Dam (ft)	FALSE	Single	Feet		
DamId	Hazus-MH Internal ID	TRUE	Text(8)			Auto
DamLength	Length of Dam (ft)	FALSE	Single	Feet		
DistanceCity	Distance to Nearest City (mile)	FALSE	Single			
DrainArea	Drainage Area of Dam (sq. miles)	FALSE	Single	Sq. miles		
EAP	Action Plan	FALSE	Text(2)			
Hazard	Relative Hazard Rating Emergency	FALSE	Text(1)		Table	
HydroHeight	Hydraulic Height of Dam (ft)	FALSE	Single	Feet		
Latitude	Latitude	FALSE	Double			
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table	0
Longitude	Longitude	FALSE	Double			
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table	0
MaxDischarge	Maximum Discharge Rate (ft3/sec)	FALSE	Single	Acre-ft		
MaxStorage	Maximum Storage Area (acre-ft)	FALSE	Single	Acre-ft		
Name	Facility Name	FALSE	Text(40)			
NATID	NATDAM ID Number	FALSE	Text(20)			
NearCity	Nearest City to Dam	FALSE	Text(30)			
NormStorage	Normal Storage Area (acre-ft)	FALSE	Single	Acre-ft		
Owner	Owner of the Dam	FALSE	Text(25)			
PrimaryAgency	Primary Source Agency	FALSE	Text(20)			
Purpose	Purpose of the Dam	FALSE	Text(10)			
River	Name of River	FALSE	Text(30)			
SoilType	Soil Type	FALSE	Text(1)		Table	D
SpillType	Spillway Type on Dam	FALSE	Text(1)			
SpillWidth	Spillway Width (ft)	FALSE	Single	Feet		

Field Name	Field Description	Required	Type	Units	Domain	Default
StructHeight	Structural Height of Dam (ft)	FALSE	Single	Feet		
SurfaceArea	Surface Area of Water (acres)	FALSE	Single	Acres		
Tract	Census Tract	FALSE	Text(11)			
Volume	Spillway Volume (cubic yards)	FALSE	Single	Cubic yards		
WaterDepth	Water Depth in Meters between 0 -	FALSE	Single	Meters		5
YearCompl	Year Built	FALSE	Integer	1500 to		

Hazardous Material Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Cas	CAS Registry Number	FALSE	Text(10)				All
ChemicalName	Chemical Name	FALSE	Text(20)				All
ChemicalQuant	Chemical Quality (lbs.)	FALSE	Long	lbs.			All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
EPAID	EPA ID	FALSE	Text(20)				All
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
FoundationType	Foundation Type	FALSE	Text(1)		Table B.3	0	EQ
HazmatID	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
HplfClass	Analysis Class	FALSE	Text(5)		Table A18	HDFLT	All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
Owner	Facility Owner	FALSE	Text(25)				All
PerAmount	Number Permit Amount (lbs.)	FALSE	Single	lbs.			All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SIC	Standard Industrial Code	FALSE	Text(10)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Military Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
BldgCost	Building Cost	FALSE	Currency	Thous. $			All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
ContentCost	Content Cost	FALSE	Currency				All
DesignLevel	Design Level	TRUE	Text(2)		Table	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table	DFLT	EQ
FoundationType	Foundation Type	FALSE	Text(1)		Table	0	EQ
HplfClass	Analysis Class	TRUE	Text(5)		Table		All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table	0	EQ
MilitaryFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
Name	Name	FALSE	Text(40)				All
NumStories	Number of Stories	FALSE	Byte				All
Owner	Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
ShelterCapacity	Shelter Capacity	FALSE	Integer				All
SoilType	Soil Type	FALSE	Text(1)		Table	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
Use	Primary Function	FALSE	Text(10)				All
WaterDepth	Water Depth in Meters between 0 -	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and	FALSE	Integer	1500 to			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Nuclear Facilities

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Address	Address	FALSE	Text(40)				All
Capacity	Capacity (Volts/Watts)	FALSE	Long Integer				All
City	City	FALSE	Text(40)				All
Comment	Misc. Comments	FALSE	Text(40)				All
Contact	Contact Person	FALSE	Text(40)				All
Cost	Replacement Cost (thous. $)	FALSE	Currency	Thous. $			All
DesignLevel	Design Level	TRUE	Text(2)		Table B.6	LC	EQ
eqBldgType	Earthquake Building Type	TRUE	Text(4)		Table B.2	DFLT	EQ
HplfClass	Analysis Class	TRUE	Text(5)		Table A.3		All
Latitude	Latitude	FALSE	Double				All
LndSusCat	Landslide Susceptibility	TRUE	Byte		Table B.4	0	EQ
Longitude	Longitude	FALSE	Double				All
LqfSusCat	Liquefaction Susceptibility	TRUE	Byte		Table B.5	0	EQ
Name	Facility Name	FALSE	Text(40)				All
NuclearFltyId	Hazus-MH Internal ID	TRUE	Text(8)			Auto	All
NumStories	Number of Stories	FALSE	Byte				All
Owner	Facility Owner	FALSE	Text(25)				All
PhoneNumber	Telephone Number	FALSE	Text(14)				All
SoilType	Soil Type	FALSE	Text(1)		Table B.1	D	EQ
Statea	State	FALSE	Text(2)				All
Tract	Census Tract	FALSE	Text(11)				All
WaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Single	Meters		5	EQ
YearBuilt	Year Built (Between 1500 and 2100)	FALSE	Integer	1500 to 2100			All
Zipcode	ZIP Code	FALSE	Text(10)				All

Building Specific Data

Building Specific Data: General Information

Field Name	Field Description	Required	Type	Units	Domain	Default
Address	Address	FALSE	Text(40)			
Area	Area	FALSE	**Double**			
BldgValue	Building Value ($)	FALSE	Double	Thous. $		
BuildingId	Building Id	TRUE	Double			Auto
CensusBlock	Census Block	FALSE	Text(15)			
CensusGroup	Census Block Group	FALSE	Text(12)			
CensusTract	Census Tract Number	FALSE	Text(11)			
City	City	FALSE	Text(40)			
Comment1	Comment 1	FALSE	Text(200)			
Comment2	Comment 2	FALSE	Text(200)			
Contact	Contact Person	FALSE	Text(40)			
ContentsValue	Contents Replacement Value ($)	FALSE	Double	Thous. $		
CountyFips	County Fips	FALSE	Text(5)			
DayOccupants	Daytime Occupants (# of People)	FALSE	Double			
Dining	Dining Facilities	FALSE	YesNo		YesNo	
DiningCapacity	Dining Capacity (# of seats)	FALSE	Integer			
FacilityType	Facility Type	FALSE	Text(100)		Emergency	
Hazmat	Hazardous Materials Stored On-Site [Y/N]	FALSE	Text(11)		YesNo	
Height	Height	FALSE	Double			
InvValue	Inventory Replacement Value ($)	FALSE	Double	Thous. $		
Kitchen	Kitchen Facilities [Y/N]	FALSE	YesNo		YesNo	
KitchenCapacity	Kitchen Capacity (meals/day)	FALSE	Integer	meals/day		
Latitude	Latitude	FALSE	Double			
Longitude	Longitude	FALSE	Double			
Name	Name of the Building	TRUE	Text(40)			
NightOccupants	Nighttime Occupants (# of people)	FALSE	Integer			
NumHospBeds	Number of Hopital Beds	FALSE	Integer			
NumStories	Number of Stories	FALSE	Integer			
NumVehicles	Number of Vehicles Housed On-Site	FALSE	Integer			

Field Name	Field Description	Required	Type	Units	Domain	Default
Occupancy	Occupancy Class	FALSE	Text(5)		Table A.1	
Owner	Owner's Name	FALSE	Text(150)			
ParcelNumber	Parcel Number	FALSE	Text(20)			
Phone	Phone Number	FALSE	Text(14)			
Photo1	Photo #1	FALSE	Text(100)			
Photo2	Photo #2	FALSE	Text(100)			
Photo3	Photo #3	FALSE	Text(100)			
ProductionDay	Business Income ($/day)	FALSE	Double	$/day		
RentalIncomeMonth	Rental Income ($/month)	FALSE	Double	$/month		
Sleeping	Sleeping Facilities [Y/N]	FALSE	YesNo		YesNo	
SleepingCapacity	Sleeping Capacity (# of beds)	FALSE	Integer			
State	State	FALSE	Text(2)			
ValuationType	Building Valuation Type	FALSE	Integer		Table A.17	
ValuationYear	Valuation Year	FALSE	Integer			
WagesDay	Wages Paid ($/day)	FALSE	Double	$/day		
YearConstruction	Year of Construction	FALSE	Integer	1500 to		
YearRemodeled	Year Remodeled	FALSE	Integer	1500 to		
Zipcode	Zip Code	FALSE	Text(10)			

Building Specific Data: Earthquake Related Information

Field Name	Field Description	Required	Type	Units	Domain	Default
BldgType	Building Structural Type	FALSE	Text(4)		Table B.8	
eqBaseShear	Earthquake Design Base Shear (g's)	FALSE	Integer	g's		
eqCeilingBracing	Ceiling Bracing	FALSE	YesNo		YesNo	
eqChimneyAnchored	Chimney Anchored	FALSE	YesNo		0=Unknow	
eqContentsPct	Percentage of Contents Value on First Floor	FALSE	Long			
eqCWBracingType	Cripple Wall Bracing	FALSE	Byte		0=Unknow	
eqDesignCode	Earthquake Design Code	FALSE	Text(10)		Table B.9	
eqDesignLevel	Seismic Design Level	FALSE	Text(2)		Table B.6	LC
eqDesignYear	Earthquake Design Year	FALSE	Integer			
eqElectricBracing	Electrical Bracing	FALSE	YesNo		YesNo	
eqFoundationType	Foundation Type - Earthquake	FALSE	Text(1)		Table B.3	0
eqHorizShape	Horizontal Shape Configuration	FALSE	Byte		0=Unknow	
eqLndSusCat	Landslide Susceptibility	FALSE	Byte		Table B.4	0
eqLqfSusCat	Liquefaction Susceptibility	FALSE	Byte		Table B.5	
eqMechanicalBracing	Mechanical Bracing	FALSE	YesNo		YesNo	
eqMechanicalonRoof	Mechanical on Roof	FALSE	Byte		0=Unknow	
eqOrnamentation	Ornamentation	FALSE	Byte		Table B.10	
eqPlumingBracing	Plumbing Bracing	FALSE	YesNo		YesNo	
eqPounding	Pounding	FALSE	YesNo		YesNo	
eqQuality	Construction Quality - EQ	FALSE	Text(1)		Table B.11	
eqRoofTankBracing	Bracing on Roof Tanks	FALSE	Byte		0=Unknow	
eqShortColumns	Short Columns	FALSE	YesNo		YesNo	
eqSoftStory	Soft Story	FALSE	YesNo		YesNo	
eqSoilType	Soil Type	FALSE	Text(1)		Table B.1	
eqTorsion	Torsion	FALSE	YesNo		YesNo	
eqURMRetrofit	URM Retrofit	FALSE	YesNo		YesNo	
eqVertShape	Vertical Shape Configuration	FALSE	Byte		0=Unknow	
eqWaterDepth	Water Depth in Meters between 0 - 1000	FALSE	Double			

Building Specific Data: Flood Related information

Field Name	Field Description	Required	Type	Units	Domain	Defaultt
flBaseFloodElevation	Base Flood Elevation	FALSE	Double	Feet		
flBasementContentValPct	Percentage of Contents Value in Basement (%)	FALSE	Byte			
flBasementElev	Basement Flood Proofing: Elevation above Datum (feet)	FALSE	Double	Feet		
flBasementFinishedPct	Percentage of Finished Basement (%)	FALSE	Byte			
flBasementLevels	Number of Basement Levels (Multi-family and Non-	FALSE	Byte			
flBuildingCond	Building Condition	FALSE	Byte		Table C.7	
flConstClass	Construction Class - Flood (RES1 only)	FALSE	Byte		Table C.8	
flDryFlood	Basement Dry FLood Proofed [Y/N]	FALSE	YesNo		YesNo	
flEnclosure	Enclosure Type	FALSE	Byte		Table C.5	
flFirmCommunity	FIRM Community	FALSE	Text(150)			
flFirmEffectivedate	FIRM Effective Date	FALSE	Text(50)			
flFirmPanel	FIRM Panel Number	FALSE	Text(13)			
flFirmRevisionDate	FIRM Revised Data	FALSE	Text(50)			
flFloodHazardZone	Flood Hazard Zone	FALSE	Byte		Table C.4	
flFloorBelowGrade	Lowest Floor below grade on all sides [Y/N]	FALSE	Byte		YesNo	
flGradeElevatiion	Lowest Adjacent Grade Elevation (feet)	FALSE	Double	Feet		
flHCESBFEPlue	Base Flood Elevation	FALSE	Double	Feet		
flLowFloorElev	Elevation of Lowest Floor above Datum (feet) (Including	FALSE	Double	Feet		
flMechHeight	Mechanical Equipment Height Relative to Lowest Floor	FALSE	Double	Feet		
flPostFirm	Post-FIRM	FALSE	YesNo		YesNo	
flSubStruct	Substructure Type	FALSE	Byte		Table C.6	
flTopBottomFLoor	Top / Bottom of Floor	FALSE	Byte		Table C.9	
flVertDatum	Vertical Datum for Flood Elevation	FALSE	Byte		Table C.10	
flVertDatumOther	Other Vertical Datum Definition	FALSE	Text(15)			

Building Specific Data: Hurricane Related information

Field Name	Field Description	Required	Type	Units	Domain	Default
huCladding	Wall Cladding Type	FALSE	Byte		Table D.1	
huDeckAttach	Metal Deck Attachment	FALSE	Byte		Table D.2	
huDoorAreaPct	Other Door Area (%) (excludes glass doors)	FALSE	Byte		Table D.16	
huDoorProtection	Door Protection	FALSE	Byte		Table D.3	
huDoorProtectionCompliance	Door Protection Compliance	FALSE	Byte		Table D.17	
huFrameSpacing	Frame Spacing (in)	FALSE	Byte	Inches	Table D.4	
huGableBracing	Gable Ends Braced	FALSE	Byte		0=Unknow	
huGarageDoors	Garage Doors (# of doors)	FALSE	Byte		Table D.5	
huGarageNoShutters	Garage, Houses w/out Shutters	FALSE	Text(20)		Table D.7	
huGarageShutters	Garage, Houses with Shutters	FALSE	Text(20)		Table D.6	
huGlass	Glass Type	FALSE	Byte		Table D.9	
huGlassConstr	Glass Pane Construction	FALSE	Byte		Table D.8	
huJoistSpacing	Joist Spacing	FALSE	Text(10)		Table D.10	
huMasonryReinforcing	Masonry Reinforcing	FALSE	Text(10)		Yes=Yes	
huMetalRoofDeckAttach	Metal Roof Deck Attachment	FALSE	Text(30)		Standard=Standard	
huMHHUDCode	Manufactured Housing - HUD Code Compliance	FALSE	Byte		Table D.11	
huMHHUDWindZone	Manufactured Housing - HUD Wind Zone Used	FALSE	Byte		Table D.12	
huMHTieDown	Manufactured Housing - Tie Downs [Y/N]	FALSE	Byte		YesNo	
huOpenings	Glass Door and Window Opening (%)	FALSE	Byte		Table D.15	
huRoofCovering	Roof Covering	FALSE	Byte		Table D.19	
huRoofCoveringHW	Roof Cover Type (Hawaii)	FALSE	Text(20)		Table D.20	
huRoofCoverQuality	huRoof Cover Quality	FALSE	Text(10)		Table D.21	
huRoofDeckAge	Roof Deck Age New or Average or Old	FALSE	Text(20)		Table D.22	
huRoofDeckAttachment	Roof Deck Attachment	FALSE	Text(30)		Table D.23	
huRoofDeckAttachmentHW	Roof Deck Attachment Hawaii	FALSE	Text(30)		Table D.24	
huRoofFrameType	Roof Frame Type	FALSE	Text(30)		Table D.25	
huRoofNailSize	Roof Sheathing Attachment Nail Size	FALSE	Byte		Table D.13	
huRoofNailSpacing	Roof Nail Spacing (Edge-Field)	FALSE	Byte		Table D.14	
huRoofPerimeter	Roof Perimeter Architecture	FALSE	Byte		Table D.26	
huRoofShape	Roof Shape	FALSE	Byte		Table D.27	
huRoofShielding	Wind Shielding	FALSE	Byte		Table D.28	
huRoofSlope	Roof Slope (degrees)	FALSE	Byte		Table D.29	

Field Name	Field Description	Required	Type	Units	Domain	Default
huRoolUpDoors	Roll-Up Doors (# of doors)	FALSE	Byte		Table D.18	
huSecdWaterRes	Second Water Resistance	FALSE	Text(10)		Yes=Yes	
huSheildingHeight	Shielding Height	FALSE	Byte		Table D.44	
huShutterCode	Shutter Code	FALSE	Byte		Table D.30	
huShutters	Shutters	FALSE	Text(10)		Yes=Yes	
huShutterType	Glass Door and Window Shutter Type	FALSE	Byte		Table D.31	
huTieDowns	Tie Downs	FALSE	Text(10)			
huTopography	Topography	FALSE	Byte		Table D.32	
huTrussSpacingHW	Truss Spacing	FALSE	Text(10)		Table D.33	
huUnitsPerFloor	Number of Units per Floor	FALSE	Text(20)		Table D.34	
huUpliftRestraintHW	Uplift Restraint	FALSE	Text(10)		Yes=Yes	
huWallAnchorage	Roof-Wall Anchorage	FALSE	Byte		Table D.35	
huWallConstructionHW	Wall Construction	FALSE	Text(20)		Table D.36	
huWallExposure	Maximum Wall Surface Area Exposure (sq ft.)	FALSE	Double			
huWindDebris	Wind Debris	FALSE	Text(50)		Table D.37	
huWindDebrisSource	Windborne Debris Source	FALSE	Byte		Table D.38	
huWindDesignCode	Wind Design Code	FALSE	Byte		Table D.39	
huWindDesignYear	Wind Design Year	FALSE	Integer			
huWindExposure	Wind Exposure Class: Effective z0 (m)	FALSE	Byte		Table D.41	
huWindowArea	Window Area	FALSE	Text(20)		Table D.42	
huWindShielding	Wind Shielding	FALSE	Byte		Table D.43	
huWindSpecificBldgType	Wind Specific Bldg Type	FALSE	Text(10)		Table D.45	
huWindSpeed	Design Wind Speed (mph)	FALSE	Byte	mph		
huWindSpeedType	Design Wind Speed Type	FALSE	Double		Table D.40	

Aggregating From Building Data

Field Name	Field Description	Required	Type	Units	Domain	Default
Address	Address	F	Text(100)			
Age	Age	T1	Double			
Area	Area	T	Integer			
BldgQuality	Building Quality	T1	Text(1)			
BldgType	Building Type	T	Text(5)		Table B.2	
BldgValue	Building Value	T	Double	Thousand $		
Block	Block	T2	Text(15)			
City	City	F	Text(40)			
Comment1	Comment 1	F	Text(100)			
Comment2	Comment 2	F	Text(100)			
ContentValue	Content Value	T	Double	Thousand $		
DesignLevel	Design Level	F	Text(2)		Table B.6	LC
Elevation	Elevation	F	Double	Feet		
FloodPane	Flood Panel	F	Text(1)			
FloodZone	Flood Zone	F	Text(1)			
Height	Height	T3	Double	Feet		
Latitude	Latitude	F	Double			
Longitude	Longitude	F	Double			
Name	Name	F	Text(40)			
NFIPEntryDate	Flood NFIP Entry Year	F	Integer			
NumStories	Num Stories	T3	Integer			
Occupancy	Occupancy	T	Text(5)		Table B.3	
OwnerName	Owner Name	F	Text(40)			
ParcelNumber	Parcel Number	F	Text(20)			
RecordId	Record Id	F	Text()			
Tract	Census Tract	T2	Text(11)			
YearBuilt	Year Built (Between 1500 and 2100)	T1	Integer		1500 to	
YearRemodeled	Year Remodeled	F	Integer		1501 to	
Zipcode	Zip Code	F	Text(10)			

T=Required value from the user. TD=Reuired, howerver if not matched, default value will be used.

T#=At least one of them with the same number (i.e., T1) is required. F=Not required.

Aggregated Data

Building Count by Occupation (Census Tract)

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Tract	Census Tract	TRUE	Text(11)				All
AGR1I	AGR1 - Agriculture	TRUE	Integer			0	All
COM10I	COM10 - Parking	TRUE	Integer			0	All
COM1I	COM1 - Retail Trade	TRUE	Integer			0	All
COM2I	COM2 - Wholesale Trade	TRUE	Integer			0	All
COM3I	COM3 - Personal and Repair	TRUE	Integer			0	All
COM4I	COM4 - Professional/Technical	TRUE	Integer			0	All
COM5I	COM5 - Banks	TRUE	Integer			0	All
COM6I	COM6 - Hospital	TRUE	Integer			0	All
COM7I	COM7 - Medical Office/Clinic	TRUE	Integer			0	All
COM8I	COM8 - Entertainment &	TRUE	Integer			0	All
COM9I	COM9 - Theaters	TRUE	Integer			0	All
EDU1I	EDU1 - Grade Schools	TRUE	Integer			0	All
EDU2I	EDU2 - Colleges/Universities	TRUE	Integer			0	All
GOV1I	GOV1 - General Services	TRUE	Integer			0	All
GOV2I	GOV2 - Emergency Response	TRUE	Integer			0	All
IND1I	IND1 - Heavy	TRUE	Integer			0	All
IND2I	IND2 - Light	TRUE	Integer			0	All
IND3I	IND3 - Food/Drugs/Chemicals	TRUE	Integer			0	All
IND4I	IND4 - Metals/Minerals Processing	TRUE	Integer			0	All
IND5I	IND5 - High Technology	TRUE	Integer			0	All
IND6I	IND6 - Construction	TRUE	Integer			0	All
REL1I	REL1 - Churches and Other Non-	TRUE	Integer			0	All
RES1I	RES1 - Single Family Dwelling	TRUE	Integer			0	All
RES2I	RES2 - Manuf Housing	TRUE	Integer			0	All
RES3AI	RES3A - Duplex	TRUE	Integer			0	All
RES3BI	RES3B - Triplex / Quads	TRUE	Integer			0	All
RES3CI	RES3C - Multi-dwellings (5 to 9	TRUE	Integer			0	All
RES3DI	RES3D - Multi-dwellings (10 to 19	TRUE	Integer			0	All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
RES3EI	RES3E - Multi-dwellings (20 to 49	TRUE	Integer			0	All
RES3FI	RES3F - Multi-dwellings (50+ units)	TRUE	Integer			0	All
RES4I	RES4 - Temporary Lodging	TRUE	Integer			0	All
RES5I	RES5 - Institutional Dormitory	TRUE	Integer			0	All
RES6I	RES6 - Nursing Home	TRUE	Integer			0	All

Building Count by Occupation (Census Block)

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
CensusBlock	Census Block	TRUE	Text(15)				All
AGR1I	AGR1 - Agriculture	TRUE	Integer			0	All
COM10I	COM10 - Parking	TRUE	Integer			0	All
COM1I	COM1 - Retail Trade	TRUE	Integer			0	All
COM2I	COM2 - Wholesale Trade	TRUE	Integer			0	All
COM3I	COM3 - Personal and Repair Services	TRUE	Integer			0	All
COM4I	COM4 - Professional/Technical Services	TRUE	Integer			0	All
COM5I	COM5 - Banks	TRUE	Integer			0	All
COM6I	COM6 - Hospital	TRUE	Integer			0	All
COM7I	COM7 - Medical Office/Clinic	TRUE	Integer			0	All
COM8I	COM8 - Entertainment & Recreation	TRUE	Integer			0	All
COM9I	COM9 - Theaters	TRUE	Integer			0	All
EDU1I	EDU1 - Grade Schools	TRUE	Integer			0	All
EDU2I	EDU2 - Colleges/Universities	TRUE	Integer			0	All
GOV1I	GOV1 - General Services	TRUE	Integer			0	All
GOV2I	GOV2 - Emergency Response	TRUE	Integer			0	All
IND1I	IND1 - Heavy	TRUE	Integer			0	All
IND2I	IND2 - Light	TRUE	Integer			0	All
IND3I	IND3 - Food/Drugs/Chemicals	TRUE	Integer			0	All
IND4I	IND4 - Metals/Minerals Processing	TRUE	Integer			0	All
IND5I	IND5 - High Technology	TRUE	Integer			0	All
IND6I	IND6 - Construction	TRUE	Integer			0	All
REL1I	REL1 - Churches and Other Non-profit Org.	TRUE	Integer			0	All
RES1I	RES1 - Single Family Dwelling	TRUE	Integer			0	All
RES2I	RES2 - Manuf Housing	TRUE	Integer			0	All
RES3AI	RES3A - Duplex	TRUE	Integer			0	All
RES3BI	RES3B - Triplex / Quads	TRUE	Integer			0	All
RES3CI	RES3C - Multi-dwellings (5 to 9 units)	TRUE	Integer			0	All
RES3DI	RES3D - Multi-dwellings (10 to 19 units)	TRUE	Integer			0	All
RES3EI	RES3E - Multi-dwellings (20 to 49 units)	TRUE	Integer			0	All
RES3FI	RES3F - Multi-dwellings (50+ units)	TRUE	Integer			0	All
RES4I	RES4 - Temporary Lodging	TRUE	Integer			0	All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
RES5I	RES5 - Institutional Dormitory	TRUE	Integer			0	All
RES6I	RES6 - Nursing Home	TRUE	Integer			0	All

Building (Without Content) Full Replacement Value by Occupancy at Census Tract Level

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Tract	Census Tract	TRUE	Text(11)	Text			All
AGR1I	AGR1 - Agriculture	TRUE	Long Integer	Thous. $			All
COM10I	COM10 - Parking	TRUE	Long Integer	Thous. $			All
COM1I	COM1 - Retail Trade	TRUE	Long Integer	Thous. $			All
COM2I	COM2 - Wholesale Trade	TRUE	Long Integer	Thous. $			All
COM3I	COM3 - Personal and Repair Services	TRUE	Long Integer	Thous. $			All
COM4I	COM4 - Professional/Technical Services	TRUE	Long Integer	Thous. $			All
COM5I	COM5 - Banks	TRUE	Long Integer	Thous. $			All
COM6I	COM6 - Hospital	TRUE	Long Integer	Thous. $			All
COM7I	COM7 - Medical Office/Clinic	TRUE	Long Integer	Thous. $			All
COM8I	COM8 - Entertainment & Recreation	TRUE	Long Integer	Thous. $			All
COM9I	COM9 - Theaters	TRUE	Long Integer	Thous. $			All
EDU1I	EDU1 - Grade Schools	TRUE	Long Integer	Thous. $			All
EDU2I	EDU2 - Colleges/Universities	TRUE	Long Integer	Thous. $			All
GOV1I	GOV1 - General Services	TRUE	Long Integer	Thous. $			All
GOV2I	GOV2 - Emergency Response	TRUE	Long Integer	Thous. $			All
IND1I	IND1 - Heavy	TRUE	Long Integer	Thous. $			All
IND2I	IND2 - Light	TRUE	Long Integer	Thous. $			All
IND3I	IND3 - Food/Drugs/Chemicals	TRUE	Long Integer	Thous. $			All
IND4I	IND4 - Metals/Minerals Processing	TRUE	Long Integer	Thous. $			All
IND5I	IND5 - High Technology	TRUE	Long Integer	Thous. $			All
IND6I	IND6 - Construction	TRUE	Long Integer	Thous. $			All
REL1I	REL1 - Churches and Other Non-profit Org.	TRUE	Long Integer	Thous. $			All
RES1I	RES1 - Single Family Dwelling	TRUE	Long Integer	Thous. $			All
RES2I	RES2 - Manuf Housing	TRUE	Long Integer	Thous. $			All
RES3AI	RES3A - Duplex	TRUE	Long Integer	Thous. $			All
RES3BI	RES3B - Triplex / Quads	TRUE	Long Integer	Thous. $			All
RES3CI	RES3C - Multi-dwellings (5 to 9 units)	TRUE	Long Integer	Thous. $			All
RES3DI	RES3D - Multi-dwellings (10 to 19 units)	TRUE	Long Integer	Thous. $			All
RES3EI	RES3E - Multi-dwellings (20 to 49 units)	TRUE	Long Integer	Thous. $			All
RES3FI	RES3F - Multi-dwellings (50+ units)	TRUE	Long Integer	Thous. $			All
RES4I	RES4 - Temporary Lodging	TRUE	Long Integer	Thous. $			All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
RES5I	RES5 - Institutional Dormitory	TRUE	Long Integer	Thous. $			All
RES6I	RES6 - Nursing Home	TRUE	Long Integer	Thous. $			All

Building (Without Content) Full Replacement Value by Occupancy at Census Block Level

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
CensusBlock	Census Block	TRUE	Text(15)	Text			All
AGR1I	AGR1 - Agriculture	TRUE	Long Integer	Thous. $			All
COM10I	COM10 - Parking	TRUE	Long Integer	Thous. $			All
COM1I	COM1 - Retail Trade	TRUE	Long Integer	Thous. $			All
COM2I	COM2 - Wholesale Trade	TRUE	Long Integer	Thous. $			All
COM3I	COM3 - Personal and Repair Services	TRUE	Long Integer	Thous. $			All
COM4I	COM4 - Professional/Technical Services	TRUE	Long Integer	Thous. $			All
COM5I	COM5 - Banks	TRUE	Long Integer	Thous. $			All
COM6I	COM6 - Hospital	TRUE	Long Integer	Thous. $			All
COM7I	COM7 - Medical Office/Clinic	TRUE	Long Integer	Thous. $			All
COM8I	COM8 - Entertainment & Recreation	TRUE	Long Integer	Thous. $			All
COM9I	COM9 - Theaters	TRUE	Long Integer	Thous. $			All
EDU1I	EDU1 - Grade Schools	TRUE	Long Integer	Thous. $			All
EDU2I	EDU2 - Colleges/Universities	TRUE	Long Integer	Thous. $			All
GOV1I	GOV1 - General Services	TRUE	Long Integer	Thous. $			All
GOV2I	GOV2 - Emergency Response	TRUE	Long Integer	Thous. $			All
IND1I	IND1 - Heavy	TRUE	Long Integer	Thous. $			All
IND2I	IND2 - Light	TRUE	Long Integer	Thous. $			All
IND3I	IND3 - Food/Drugs/Chemicals	TRUE	Long Integer	Thous. $			All
IND4I	IND4 - Metals/Minerals Processing	TRUE	Long Integer	Thous. $			All
IND5I	IND5 - High Technology	TRUE	Long Integer	Thous. $			All
IND6I	IND6 - Construction	TRUE	Long Integer	Thous. $			All
REL1I	REL1 - Churches and Other Non-profit Org.	TRUE	Long Integer	Thous. $			All
RES1I	RES1 - Single Family Dwelling	TRUE	Long Integer	Thous. $			All
RES2I	RES2 - Manuf Housing	TRUE	Long Integer	Thous. $			All
RES3AI	RES3A - Duplex	TRUE	Long Integer	Thous. $			All
RES3BI	RES3B - Triplex / Quads	TRUE	Long Integer	Thous. $			All
RES3CI	RES3C - Multi-dwellings (5 to 9 units)	TRUE	Long Integer	Thous. $			All
RES3DI	RES3D - Multi-dwellings (10 to 19 units)	TRUE	Long Integer	Thous. $			All
RES3EI	RES3E - Multi-dwellings (20 to 49 units)	TRUE	Long Integer	Thous. $			All
RES3FI	RES3F - Multi-dwellings (50+ units)	TRUE	Long Integer	Thous. $			All
RES4I	RES4 - Temporary Lodging	TRUE	Long Integer	Thous. $			All
RES5I	RES5 - Institutional Dormitory	TRUE	Long Integer	Thous. $			All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
RES6I	RES6 - Nursing Home	TRUE	Long Integer	Thous. $			All

Building's Content Full Replacement Value by Occupancy at Census Tract Level

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Tract	Census Tract	TRUE	Text(11)	Text			All
AGR1I	AGR1 - Agriculture	TRUE	Long Integer	Thous. $			All
COM10I	COM10 - Parking	TRUE	Long Integer	Thous. $			All
COM1I	COM1 - Retail Trade	TRUE	Long Integer	Thous. $			All
COM2I	COM2 - Wholesale Trade	TRUE	Long Integer	Thous. $			All
COM3I	COM3 - Personal and Repair Services	TRUE	Long Integer	Thous. $			All
COM4I	COM4 - Professional/Technical Services	TRUE	Long Integer	Thous. $			All
COM5I	COM5 - Banks	TRUE	Long Integer	Thous. $			All
COM6I	COM6 - Hospital	TRUE	Long Integer	Thous. $			All
COM7I	COM7 - Medical Office/Clinic	TRUE	Long Integer	Thous. $			All
COM8I	COM8 - Entertainment & Recreation	TRUE	Long Integer	Thous. $			All
COM9I	COM9 - Theaters	TRUE	Long Integer	Thous. $			All
EDU1I	EDU1 - Grade Schools	TRUE	Long Integer	Thous. $			All
EDU2I	EDU2 - Colleges/Universities	TRUE	Long Integer	Thous. $			All
GOV1I	GOV1 - General Services	TRUE	Long Integer	Thous. $			All
GOV2I	GOV2 - Emergency Response	TRUE	Long Integer	Thous. $			All
IND1I	IND1 - Heavy	TRUE	Long Integer	Thous. $			All
IND2I	IND2 - Light	TRUE	Long Integer	Thous. $			All
IND3I	IND3 - Food/Drugs/Chemicals	TRUE	Long Integer	Thous. $			All
IND4I	IND4 - Metals/Minerals Processing	TRUE	Long Integer	Thous. $			All
IND5I	IND5 - High Technology	TRUE	Long Integer	Thous. $			All
IND6I	IND6 - Construction	TRUE	Long Integer	Thous. $			All
REL1I	REL1 - Churches and Other Non-profit Org.	TRUE	Long Integer	Thous. $			All
RES1I	RES1 - Single Family Dwelling	TRUE	Long Integer	Thous. $			All
RES2I	RES2 - Manuf Housing	TRUE	Long Integer	Thous. $			All
RES3AI	RES3A - Duplex	TRUE	Long Integer	Thous. $			All
RES3BI	RES3B - Triplex / Quads	TRUE	Long Integer	Thous. $			All
RES3CI	RES3C - Multi-dwellings (5 to 9 units)	TRUE	Long Integer	Thous. $			All
RES3DI	RES3D - Multi-dwellings (10 to 19 units)	TRUE	Long Integer	Thous. $			All
RES3EI	RES3E - Multi-dwellings (20 to 49 units)	TRUE	Long Integer	Thous. $			All
RES3FI	RES3F - Multi-dwellings (50+ units)	TRUE	Long Integer	Thous. $			All
RES4I	RES4 - Temporary Lodging	TRUE	Long Integer	Thous. $			All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
RES5I	RES5 - Institutional Dormitory	TRUE	Long Integer	Thous. $			All
RES6I	RES6 - Nursing Home	TRUE	Long Integer	Thous. $			All

Building's Content Full Replacement Value by Occupancy at Census Block Level

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
CensusBlock	Census Block	TRUE	Text(15)	Text			All
AGR1I	AGR1 - Agriculture	TRUE	Long Integer	Thous. $			All
COM10I	COM10 - Parking	TRUE	Long Integer	Thous. $			All
COM1I	COM1 - Retail Trade	TRUE	Long Integer	Thous. $			All
COM2I	COM2 - Wholesale Trade	TRUE	Long Integer	Thous. $			All
COM3I	COM3 - Personal and Repair Services	TRUE	Long Integer	Thous. $			All
COM4I	COM4 - Professional/Technical Services	TRUE	Long Integer	Thous. $			All
COM5I	COM5 - Banks	TRUE	Long Integer	Thous. $			All
COM6I	COM6 - Hospital	TRUE	Long Integer	Thous. $			All
COM7I	COM7 - Medical Office/Clinic	TRUE	Long Integer	Thous. $			All
COM8I	COM8 - Entertainment & Recreation	TRUE	Long Integer	Thous. $			All
COM9I	COM9 - Theaters	TRUE	Long Integer	Thous. $			All
EDU1I	EDU1 - Grade Schools	TRUE	Long Integer	Thous. $			All
EDU2I	EDU2 - Colleges/Universities	TRUE	Long Integer	Thous. $			All
GOV1I	GOV1 - General Services	TRUE	Long Integer	Thous. $			All
GOV2I	GOV2 - Emergency Response	TRUE	Long Integer	Thous. $			All
IND1I	IND1 - Heavy	TRUE	Long Integer	Thous. $			All
IND2I	IND2 - Light	TRUE	Long Integer	Thous. $			All
IND3I	IND3 - Food/Drugs/Chemicals	TRUE	Long Integer	Thous. $			All
IND4I	IND4 - Metals/Minerals Processing	TRUE	Long Integer	Thous. $			All
IND5I	IND5 - High Technology	TRUE	Long Integer	Thous. $			All
IND6I	IND6 - Construction	TRUE	Long Integer	Thous. $			All
REL1I	REL1 - Churches and Other Non-profit Org.	TRUE	Long Integer	Thous. $			All
RES1I	RES1 - Single Family Dwelling	TRUE	Long Integer	Thous. $			All
RES2I	RES2 - Manuf Housing	TRUE	Long Integer	Thous. $			All
RES3AI	RES3A - Duplex	TRUE	Long Integer	Thous. $			All
RES3BI	RES3B - Triplex / Quads	TRUE	Long Integer	Thous. $			All
RES3CI	RES3C - Multi-dwellings (5 to 9 units)	TRUE	Long Integer	Thous. $			All
RES3DI	RES3D - Multi-dwellings (10 to 19 units)	TRUE	Long Integer	Thous. $			All
RES3EI	RES3E - Multi-dwellings (20 to 49 units)	TRUE	Long Integer	Thous. $			All
RES3FI	RES3F - Multi-dwellings (50+ units)	TRUE	Long Integer	Thous. $			All
RES4I	RES4 - Temporary Lodging	TRUE	Long Integer	Thous. $			All
RES5I	RES5 - Institutional Dormitory	TRUE	Long Integer	Thous. $			All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
RES6I	RES6 - Nursing Home	TRUE	Long Integer	Thous. $			All

Square Footage by Occupancy at Census Tract Level

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Tract	Census Tract	TRUE	Text(11)	Text			All
AGR1F	AGR1 - Agriculture	FALSE	Single	Thous.sq ft			All
COM10F	COM10 - Parking	FALSE	Single	Thous.sq ft			All
COM1F	COM1 - Retail Trade	FALSE	Single	Thous.sq ft			All
COM2F	COM2 - Wholesale Trade	FALSE	Single	Thous.sq ft			All
COM3F	COM3 - Personal and Repair Services	FALSE	Single	Thous.sq ft			All
COM4F	COM4 - Professional/Technical Services	FALSE	Single	Thous.sq ft			All
COM5F	COM5 - Banks	FALSE	Single	Thous.sq ft			All
COM6F	COM6 - Hospital	FALSE	Single	Thous.sq ft			All
COM7F	COM7 - Medical Office/Clinic	FALSE	Single	Thous.sq ft			All
COM8F	COM8 - Entertainment & Recreation	FALSE	Single	Thous.sq ft			All
COM9F	COM9 - Theaters	FALSE	Single	Thous.sq ft			All
EDU1F	EDU1 - Grade Schools	FALSE	Single	Thous.sq ft			All
EDU2F	EDU2 - Colleges/Universities	FALSE	Single	Thous.sq ft			All
GOV1F	GOV1 - General Services	FALSE	Single	Thous.sq ft			All
GOV2F	GOV2 - Emergency Response	FALSE	Single	Thous.sq ft			All
IND1F	IND1 - Heavy	FALSE	Single	Thous.sq ft			All
IND2F	IND2 - Light	FALSE	Single	Thous.sq ft			All
IND3F	IND3 - Food/Drugs/Chemicals	FALSE	Single	Thous.sq ft			All
IND4F	IND4 - Metals/Minerals Processing	FALSE	Single	Thous.sq ft			All
IND5F	IND5 - High Technology	FALSE	Single	Thous.sq ft			All
IND6F	IND6 - Construction	FALSE	Single	Thous.sq ft			All
REL1F	REL1 - Churches and Other Non-profit Org.	FALSE	Single	Thous.sq ft			All
RES1F	RES1 - Single Family Dwelling	FALSE	Single	Thous.sq ft			All
RES2F	RES2 - Manuf Housing	FALSE	Single	Thous.sq ft			All
RES3AF	RES3A - Duplex	FALSE	Single	Thous.sq ft			All
RES3BF	RES3B - Triplex / Quads	FALSE	Single	Thous.sq ft			All
RES3CF	RES3C - Multi-dwellings (5 to 9 units)	FALSE	Single	Thous.sq ft			All
RES3DF	RES3D - Multi-dwellings (10 to 19 units)	FALSE	Single	Thous.sq ft			All
RES3EF	RES3E - Multi-dwellings (20 to 49 units)	FALSE	Single	Thous.sq ft			All
RES3FF	RES3F - Multi-dwellings (50+ units)	FALSE	Single	Thous.sq ft			All
RES4F	RES4 - Temporary Lodging	FALSE	Single	Thous.sq ft			All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
RES5F	RES5 - Institutional Dormitory	FALSE	Single	Thous.sq ft			All
RES6F	RES6 - Nursing Home	FALSE	Single	Thous.sq ft			All

Square Footage by Occupancy at Census Block Level

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
CensusBlock	Census Block	TRUE	Text(15)	Text			All
AGR1F	AGR1 - Agriculture	FALSE	Single	Thous.sq ft			All
COM10F	COM10 - Parking	FALSE	Single	Thous.sq ft			All
COM1F	COM1 - Retail Trade	FALSE	Single	Thous.sq ft			All
COM2F	COM2 - Wholesale Trade	FALSE	Single	Thous.sq ft			All
COM3F	COM3 - Personal and Repair Services	FALSE	Single	Thous.sq ft			All
COM4F	COM4 - Professional/Technical Services	FALSE	Single	Thous.sq ft			All
COM5F	COM5 - Banks	FALSE	Single	Thous.sq ft			All
COM6F	COM6 - Hospital	FALSE	Single	Thous.sq ft			All
COM7F	COM7 - Medical Office/Clinic	FALSE	Single	Thous.sq ft			All
COM8F	COM8 - Entertainment & Recreation	FALSE	Single	Thous.sq ft			All
COM9F	COM9 - Theaters	FALSE	Single	Thous.sq ft			All
EDU1F	EDU1 - Grade Schools	FALSE	Single	Thous.sq ft			All
EDU2F	EDU2 - Colleges/Universities	FALSE	Single	Thous.sq ft			All
GOV1F	GOV1 - General Services	FALSE	Single	Thous.sq ft			All
GOV2F	GOV2 - Emergency Response	FALSE	Single	Thous.sq ft			All
IND1F	IND1 - Heavy	FALSE	Single	Thous.sq ft			All
IND2F	IND2 - Light	FALSE	Single	Thous.sq ft			All
IND3F	IND3 - Food/Drugs/Chemicals	FALSE	Single	Thous.sq ft			All
IND4F	IND4 - Metals/Minerals Processing	FALSE	Single	Thous.sq ft			All
IND5F	IND5 - High Technology	FALSE	Single	Thous.sq ft			All
IND6F	IND6 - Construction	FALSE	Single	Thous.sq ft			All
REL1F	REL1 - Churches and Other Non-profit Org.	FALSE	Single	Thous.sq ft			All
RES1F	RES1 - Single Family Dwelling	FALSE	Single	Thous.sq ft			All
RES2F	RES2 - Manuf Housing	FALSE	Single	Thous.sq ft			All
RES3AF	RES3A - Duplex	FALSE	Single	Thous.sq ft			All
RES3BF	RES3B - Triplex / Quads	FALSE	Single	Thous.sq ft			All
RES3CF	RES3C - Multi-dwellings (5 to 9 units)	FALSE	Single	Thous.sq ft			All
RES3DF	RES3D - Multi-dwellings (10 to 19 units)	FALSE	Single	Thous.sq ft			All
RES3EF	RES3E - Multi-dwellings (20 to 49 units)	FALSE	Single	Thous.sq ft			All
RES3FF	RES3F - Multi-dwellings (50+ units)	FALSE	Single	Thous.sq ft			All
RES4F	RES4 - Temporary Lodging	FALSE	Single	Thous.sq ft			All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
RES5F	RES5 - Institutional Dormitory	FALSE	Single	Thous.sq ft			All
RES6F	RES6 - Nursing Home	FALSE	Single	Thous.sq ft			All

Demographics by Census Tract

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
Tract	Census Tract	TRUE	Text(11)				All
Asian	Population Stating Asian	FALSE	Long Integer				All
AvgRent	Average Cash Rent	TRUE	Long Integer				All
AvgValue	Average Home Value	TRUE	Long Integer				All
Black	Population Stating Black	FALSE	Long Integer				All
Built40to49	Units Built Between 1940 and 1949	TRUE	Integer				All
Built50to59	Units Built Between 1950 and 1959	TRUE	Integer				All
Built60to69	Units Built Between 1960 and 1969	TRUE	Integer				All
Built70to79	Units Built Between 1970 and 1979	TRUE	Integer				All
Built80to89	Units Built Between 1980 and 1989	TRUE	Integer				All
Built90to98	Units Built Between 1990 and 1998	TRUE	Integer				All
BuiltAfter98	Units Built After 1998	TRUE	Long Integer				All
BuiltBefore40	Units Built Before 1940	TRUE	Integer				All
Commuting5Pm	Population Commuting at 5pm	FALSE	Long Integer				All
Female16to65	Females between 16 and 65	FALSE	Long Integer				All
FemaleLess16	Females less then 16-yrs old	TRUE	Long Integer				All
FemaleOver65	Females over 65-yrs old	FALSE	Long Integer				All
FemalePopulation	Total Female Population	FALSE	Long Integer				All
GroupQuarters	Population in Group Quarters	FALSE	Long Integer				All
Hispanic	Population Stating Hispanic	FALSE	Long Integer				All
Hotel	Population in Hotels	FALSE	Long Integer				All
Households	Total Census Tract Households	FALSE	Long Integer				All
Inc10to20	Income between 10K and 20K	FALSE	Long Integer				All
Inc20to30	Income between 20K and 30K	FALSE	Long Integer				All
Inc30to40	Income between 30K and 40K	FALSE	Long Integer				All
Inc40to50	Income between 40K and 50K	FALSE	Long Integer				All
Inc50to60	Income between 50K and 60K	FALSE	Long Integer				All
Inc60to75	Income between 60K and 75K	FALSE	Long Integer				All
Inc75to100	Income between 75K and 100K	FALSE	Long Integer				All
IncLess10	Income Less then 10K	FALSE	Long Integer				All
IncOver100	Income over 100K	FALSE	Long Integer				All
Male16to65	Males between 16 and 65	FALSE	Long Integer				All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
MaleLess16	Males less than 16-yrs old	FALSE	Long Integer				All
MaleOver65	Males over 65-yrs old	FALSE	Long Integer				All
MalePopulation	Total Male Population	FALSE	Long Integer				All
MedianYearBuilt	Median Year Built (Units)	TRUE	Integer				All
NativeAmerican	Population Stating Native American	FALSE	Long Integer				All
OnwerMHs	Owner Occupied Manuf Housing	TRUE	Long Integer				All
OtherRaceOnly	Population Stating Other Race Only	FALSE	Long Integer				All
OwnerMultStructs	Owner Occup Multi-Family Structures	FALSE	Long Integer				All
OwnerMultUnits	Owner Occupied Multi-Family Units	FALSE	Long Integer				All
OwnerSingleUnits	Owner Occupied Single Family Units	FALSE	Long Integer				All
PacifiIslander	Population Stating Pacific Islander	FALSE	Long Integer				All
Population	Total Census Tract Population	FALSE	Long Integer				All
RenterMHs	Renter Occupied Manuf Housing	TRUE	Long Integer				All
RenterMultStructs	Renter Occupied Multi-Family Structures	TRUE	Long Integer				All
RenterMultUnits	Renter Occupied Multi-Family Units	TRUE	Long Integer				All
RenterSingleUnits	Renter Occupied Single Family Units	TRUE	Long Integer				All
ResidDay	Population Residing by Day	FALSE	Long Integer				All
ResidNight	Population Residing by Night	FALSE	Long Integer				All
SchoolEnrollmentCollege	College and University Enrollment	FALSE	Long Integer				All
SchoolEnrollmentKto12	School Enrollment up to High School	FALSE	Long Integer				All
VacantMHs	Vacant Manuf Housing	TRUE	Long Integer				All
VacantMultStructs	Vacant Multi-Family Structures	TRUE	Long Integer				All
VacantMultUnits	Vacant Multi-Family Units	TRUE	Long Integer				All
VacantSingleUnits	Vacant Single Family Units	TRUE	Long Integer				All
Visitor	Visitor Population	FALSE	Long Integer				All
White	Population Stating White	FALSE	Long Integer				All
WorkingCom	Pop Working in Commercial Occup	FALSE	Long Integer				All
WorkingInd	Pop Working Industrial Occupancies	FALSE	Long Integer				All

Demographics by Census Block

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
CensusBlock	Census Block	TRUE	Text(15)				All
Asian	Population Stating Asian	FALSE	Long Integer				All
AvgRent	Average Cash Rent	TRUE	Long Integer				All
AvgValue	Average Home Value	TRUE	Long Integer				All
Black	Population Stating Black	FALSE	Long Integer				All
Built40to49	Units Built Between 1940 and 1949	TRUE	Integer				All
Built50to59	Units Built Between 1950 and 1959	TRUE	Integer				All
Built60to69	Units Built Between 1960 and 1969	TRUE	Integer				All
Built70to79	Units Built Between 1970 and 1979	TRUE	Integer				All
Built80to89	Units Built Between 1980 and 1989	TRUE	Integer				All
Built90to98	Units Built Between 1990 and 1998	TRUE	Integer				All
BuiltAfter98	Units Built After 1998	TRUE	Long Integer				All
BuiltBefore40	Units Built Before 1940	TRUE	Integer				All
Commuting5Pm	Population Commuting at 5pm	FALSE	Long Integer				All
Female16to65	Females between 16 and 65	FALSE	Long Integer				All
FemaleLess16	Females less then 16-yrs old	TRUE	Long Integer				All
FemaleOver65	Females over 65-yrs old	FALSE	Long Integer				All
FemalePopulation	Total Female Population	FALSE	Long Integer				All
GroupQuarters	Population in Group Quarters	FALSE	Long Integer				All
Hispanic	Population Stating Hispanic	FALSE	Long Integer				All
Hotel	Population in Hotels	FALSE	Long Integer				All
Households	Total Census Tract Households	FALSE	Long Integer				All
Inc10to20	Income between 10K and 20K	FALSE	Long Integer				All
Inc20to30	Income between 20K and 30K	FALSE	Long Integer				All
Inc30to40	Income between 30K and 40K	FALSE	Long Integer				All
Inc40to50	Income between 40K and 50K	FALSE	Long Integer				All
Inc50to60	Income between 50K and 60K	FALSE	Long Integer				All
Inc60to75	Income between 60K and 75K	FALSE	Long Integer				All
Inc75to100	Income between 75K and 100K	FALSE	Long Integer				All
IncLess10	Income Less then 10K	FALSE	Long Integer				All
IncOver100	Income over 100K	FALSE	Long Integer				All
Male16to65	Males between 16 and 65	FALSE	Long Integer				All
MaleLess16	Males less than 16-yrs old	FALSE	Long Integer				All

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
MaleOver65	Males over 65-yrs old	FALSE	Long Integer				All
MalePopulation	Total Male Population	FALSE	Long Integer				All
MedianYearBuilt	Median Year Built (Units)	TRUE	Integer				All
NativeAmerican	Population Stating Native American	FALSE	Long Integer				All
OnwerMHs	Owner Occupied Manuf Housing	TRUE	Long Integer				All
OtherRaceOnly	Population Stating Other Race Only	FALSE	Long Integer				All
OwnerMultStructs	Owner Occup Multi-Family Structures	FALSE	Long Integer				All
OwnerMultUnits	Owner Occupied Multi-Family Units	FALSE	Long Integer				All
OwnerSingleUnits	Owner Occupied Single Family Units	FALSE	Long Integer				All
PacifiIslander	Population Stating Pacific Islander	FALSE	Long Integer				All
Population	Total Census Tract Population	FALSE	Long Integer				All
RenterMHs	Renter Occupied Manuf Housing	TRUE	Long Integer				All
RenterMultStructs	Renter Occupied Multi-Family Structures	TRUE	Long Integer				All
RenterMultUnits	Renter Occupied Multi-Family Units	TRUE	Long Integer				All
RenterSingleUnits	Renter Occupied Single Family Units	TRUE	Long Integer				All
ResidDay	Population Residing by Day	FALSE	Long Integer				All
ResidNight	Population Residing by Night	FALSE	Long Integer				All
SchoolEnrollmentCollege	College and University Enrollment	FALSE	Long Integer				All
SchoolEnrollmentKto12	School Enrollment up to High School	FALSE	Long Integer				All
VacantMHs	Vacant Manuf Housing	TRUE	Long Integer				All
VacantMultStructs	Vacant Multi-Family Structures	TRUE	Long Integer				All
VacantMultUnits	Vacant Multi-Family Units	TRUE	Long Integer				All
VacantSingleUnits	Vacant Single Family Units	TRUE	Long Integer				All
Visitor	Visitor Population	FALSE	Long Integer				All
White	Population Stating White	FALSE	Long Integer				All
WorkingCom	Pop Working in Commercial Occup	FALSE	Long Integer				All
WorkingInd	Pop Working Industrial Occupancies	FALSE	Long Integer				All

Agriculture Inventory

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
AvgAnnualYield	Average Annual Crop Yield	TRUE	Double	Number		0	FL
CountyFIPS	County Fips	TRUE	Text(5)				FL
CropType	Crop Type or Name	TRUE	Text(50)		Table C.11		FL
HarvestCost	Cost to harvest the crop	TRUE	Double	Thous. $		0	FL
PolygonID	Sub County Polygon ID	TRUE	Text(25)				FL
Unit	Unit of measure for the crop	TRUE	Text(10)				FL
UnitPrice	Price per unit of measure	TRUE	Double	Thous. $		0	FL

Day Time Vehicles Inventory

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
CensusBlock	Census Block	TRUE	Text(15)				FL
Cars	Cars	TRUE	Long			0	FL
HeavyTrucks	Heavy Trucks	TRUE	Long			0	FL
LightTrucks	Light Trucks	TRUE	Long			0	FL
TotalExp	Total $ Exposure	TRUE	Double	Thous. $		0	FL
TotalVehicle	Total Vehicles	TRUE	Long			0	FL
TValNewCars	Total $ Exposure New Cars	TRUE	Double	Thous. $		0	FL
TValNewHeavyTrucks	Total $ Exposure New Heavy Trucks	TRUE	Double	Thous. $		0	FL
TValNewLightTrucks	Total $ Exposure New Light Trucks	TRUE	Double	Thous. $		0	FL
TValUsedCars	Total $ Exposure Used Cars	TRUE	Double	Thous. $		0	FL
TValUsedHeavyTrucks	Total $ Exposure Used Heavy Trucks	TRUE	Double	Thous. $		0	FL
TValUsedLightTrucks	Total $ Exposure Used Light Trucks	TRUE	Double	Thous. $		0	FL

Night Time Vehicles Inventory

Field Name	Field Description	Required	Type	Units	Domain	Default	Hazard
CensusBlock	Census Block	TRUE	Text(15)				FL
Cars	Cars	TRUE	Long			0	FL
HeavyTrucks	Heavy Trucks	TRUE	Long			0	FL
LightTrucks	Light Trucks	TRUE	Long			0	FL
TotalExp	Total $ Exposure	TRUE	Double	Thous. $		0	FL
TotalVehicle	Total Vehicles	TRUE	Long			0	FL
TValNewCars	Total $ Exposure New Cars	TRUE	Double	Thous. $		0	FL
TValNewHeavyTrucks	Total $ Exposure New Heavy Trucks	TRUE	Double	Thous. $		0	FL
TValNewLightTrucks	Total $ Exposure New Light Trucks	TRUE	Double	Thous. $		0	FL
TValUsedCars	Total $ Exposure Used Cars	TRUE	Double	Thous. $		0	FL
TValUsedHeavyTrucks	Total $ Exposure Used Heavy Trucks	TRUE	Double	Thous. $		0	FL
TValUsedLightTrucks	Total $ Exposure Used Light Trucks	TRUE	Double	Thous. $		0	FL

Appendix A – General/All-Hazard Tables

Table A.1 Building Occupancy Classes

Label	Occupancy Class	Example
	Residential	
RES1	Single Family Dwelling	House
RES2	Mobile Home	Mobile Home
RES3	Multi Family Dwelling RES3A Duplex RES3B 3-4 Units RES3C 5-9 Units RES3D 10-19 Units RES3E 20-49 Units RES3F 50+ Units	Apartment/Condominium
RES4	Temporary Lodging	Hotel/Motel
RES5	Institutional Dormitory	Group Housing (military, college), Jails
RES6	Nursing Home	
	Commercial	
*COM1	Retail Trade	Store
COM2	Wholesale Trade	Warehouse
COM3	Personal and Repair Services	Service Station/Shop
COM4	Professional/Technical Services	Offices
COM5	Banks	
COM6	Hospital	
COM7	Medical Office/Clinic	

Label	Occupancy Class	Example
COM8	Entertainment & Recreation	Restaurants/Bars
COM9	Theaters	Theaters
COM10	Parking	Garages
	Industrial	
IND1	Heavy	Factory
IND2	Light	Factory
IND3	Food/Drugs/Chemicals	Factory
IND4	Metals/Minerals Processing	Factory
IND5	High Technology	Factory
IND6	Construction	Office
	Agriculture	
AGR1	Agriculture	
	Religion/Non/Profit	
REL1	Church/Non-Profit	
	Government	
GOV1	General Services	Office
GOV2	Emergency Response	Police/Fire Station/EOC
	Education	
EDU1	Grade Schools	
EDU2	Colleges/Universities	Does not include group housing

Table A.2 Essential Facilities Classification

Label	Occupancy Class	Example
Medical Care Facilities		
EFHS	Small Hospital	Hospital with less than 50 Beds
EFHM	Medium Hospital	Hospital with beds between 50 & 150
EFHL	Large Hospital	Hospital with greater than 150 Beds
EFMC	Medical Clinics	Clinics, Labs, Blood Banks
Emergency Response		
EFFS	Fire Station	
EFPS	Police Station	
EFEO	Emergency Operation Centers	
Schools		
EFS1	Grade Schools	Primary/ High Schools
EFS2	Colleges/Universities	

Table A.3 High Potential Loss Facilities Classification

Label	Description
Dams:	
HPDE	Earth
HPDR	Rock fill
HPDG	Gravity
HPDB	Buttress
HPDA	Arch
HPDU	Multi-Arch
HPDC	Concrete
HPDM	Masonry
HPDS	Stone
HPDT	Timber Crib
HPDZ	Miscellaneous
Nuclear Power Facilities:	
HPNP	Nuclear Power Facilities
Military Installations:	
HPMI	Military Installations

Table A.4 Highway System Classification

Label	Description
Highway Bridges	
HWB1	Major Bridge - Length > 150m (Conventional Design)
HWB2	Major Bridge - Length > 150m (Seismic Design)
HWB3	Single Span – (Not HWB1 or HWB2) (Conventional Design)
HWB4	Single Span – (Not HWB1 or HWB2) (Seismic Design)
HWB5	Concrete, Multi-Column Bent, Simple Support (Conventional Design), Non-California (Non-CA)
HWB6	Concrete, Multi-Column Bent, Simple Support (Conventional Design), California (CA)
HWB7	Concrete, Multi-Column Bent, Simple Support (Seismic Design)
HWB8	Continuous Concrete, Single Column, Box Girder (Conventional Design)
HWB9	Continuous Concrete, Single Column, Box Girder (Seismic Design)
HWB10	Continuous Concrete, (Not HWB8 or HWB9) (Conventional Design)
HWB11	Continuous Concrete, (Not HWB8 or HWB9) (Seismic Design)
HWB12	Steel, Multi-Column Bent, Simple Support (Conventional Design), Non-California (Non-CA)
HWB13	Steel, Multi-Column Bent, Simple Support (Conventional Design), California (CA)
HWB14	Steel, Multi-Column Bent, Simple Support (Seismic Design)
HWB15	Continuous Steel (Conventional Design)
HWB16	Continuous Steel (Seismic Design)
HWB17	PS Concrete Multi-Column Bent, Simple Support - (Conventional Design), Non-California
HWB18	PS Concrete, Multi-Column Bent, Simple Support (Conventional Design), California (CA)
HWB19	PS Concrete, Multi-Column Bent, Simple Support (Seismic Design)
HWB20	PS Concrete, Single Column, Box Girder (Conventional Design)
HWB21	PS Concrete, Single Column, Box Girder (Seismic Design)
HWB22	Continuous Concrete, (Not HWB20/HWB21) (Conventional Design)
HWB23	Continuous Concrete, (Not HWB20/HWB21) (Seismic Design)
HWB24	Same definition as HWB12 except that the bridge length is less than 20 meters
HWB25	Same definition as HWB13 except that the bridge length is less than 20 meters
HWB26	Same definition as HWB15 except that the bridge length is less than 20 meters and Non-CA
HWB27	Same definition as HWB15 except that the bridge length is less than 20 meters and in CA
HWB28	All other bridges that are not classified (including wooden bridges)
Highway Tunnels:	
HTU1	Highway Bored/Drilled Tunnel
HTU2	Highway Cut and Cover Tunnel

Table A.5 Railway System Classification

Label	Description
Railway Bridges:	
RLB1	Steel, Multi-Column Bent, Simple Support (Conventional Design), Non-California (Non-
RLB2	Steel, Multi-Column Bent, Simple Support (Conventional Design), California (CA)
RLB3	Steel, Multi-Column Bent, Simple Support (Seismic Design)
RLB4	Continuous Steel (Conventional Design)
RLB5	Continuous Steel (Seismic Design)
RLB6	Same definition as HWB1 except that the bridge length is less than 20 meters
RLB7	Same definition as HWB2 except that the bridge length is less than 20 meters
RLB8	Same definition as HWB4 except that the bridge length is less than 20 meters and Non-
RLB9	S̄ame definition as HWB5 except that the bridge length is less than 20 meters and in CA
RLB10	All other bridges that are not classified
	Railway Urban Station
RST	Rail Urban Station (with all building type options enabled)
Railway Tunnels:	
RTU1	Rail Bored/Drilled Tunnel
RTU2	Rail Cut and Cover Tunnel
Railway Facility	
RFF	Rail Fuel Facility (different combinations for with or without anchored components
RDF	Rail Dispatch Facility (different combinations for with or without anchored components
RMF	Rail Maintenance Facility (with all building type options enabled)

Table A.6 Light Rail System Classification

Label	Description
Light Rail Bridges:	
LRB1	Steel, Multi-Column Bent, Simple Support (Conventional Design), Non-California
LRB2	Steel, Multi-Column Bent, Simple Support (Conventional Design), California (CA)
LRB3	Steel, Multi-Column Bent, Simple Support (Seismic Design)
LRB4	Continuous Steel (Conventional Design)
LRB5	Continuous Steel (Seismic Design)
LRB6	Same definition as HWB1 except that the bridge length is less than 20 meters
LRB7	Same definition as HWB2 except that the bridge length is less than 20 meters
LRB8	Same definition as HWB4 except that the bridge length is less than 20 meters and
LRB9	Same definition as HWB5 except that the bridge length is less than 20 meters and
LRB10	All other bridges that are not classified
Light Rail Tunnels	
LTU1	Light Rail Bored/Drilled Tunnel
LTU2	Light Rail Cut and Cover Tunnel
Light Rail Facility	
LDC1	Light Rail DC Substation w/ Anchored Sub-Components
LDC2	Light Rail DC Substation w/ Unanchored Sub-Components
LDF	Light Rail Dispatch Facility (different combinations for with or without anchored
LMF	Maintenance Facility (with all building type options enabled)

Table A.7 Bus System Classification

Label	Description
	Bus Urban Station
BPT	Bus Urban Station (with all building type options enabled)
	Bus Fuel Facility
BFF	Bus Fuel Facility (different combinations for with or without anchored
	Bus Dispatch Facility
BDF	Bus Dispatch Facility (different combinations for with or without anchored
	Bus Maintenance Facility
BMF	Bus Maintenance Facilities (with all building type options enabled)

Table A.8 Port and Harbor System Classification

Label	Description
	Waterfront Structures
PWS	Waterfront Structures
	Cranes/Cargo Handling Equipment
PEQ1	Stationary Port Handling Equipment
PEQ2	Rail Mounted Port Handling Equipment
	Warehouses
PWH	Port Warehouses (with all building type options enabled)
	Fuel Facility
PFF	Port Fuel Facility (different combinations for with or without anchored

Table A.9 Ferry System Classification

Label	Description
	Water Front Structures
FWS	Ferry Waterfront Structures
	Ferry Passenger Terminals
FPT	Passenger Terminals (with all building type options enabled)
	Ferry Fuel Facility
FFF	Ferry Fuel Facility (different combinations for with or without anchored
	Ferry Dispatch Facility
FDF	Ferry Dispatch Facility (different combinations for with or without
	Ferry Maintenance Facility
FMF	Piers and Dock Facilities (with all building type options enabled)

Table A.10 Airport System Classification

Label	Description
Airport Control Towers	
ACT	Airport Control Tower (with all building type options enabled)
Airport Terminal Buildings	

ATB	Airport Terminal Building (with all building type options enabled)
Airport Parking Structures	
APS	Airport Parking Structure (with all building type options enabled)
Fuel Facilities	
AFF	Airport Fuel Facility (different combinations for with or without anchored components
Airport Maintenance & Hangar Facility	
AMF	Airport Maintenance & Hangar Facility (with all building type options enabled)
ARW	Airport Runway
	Airport Facilities - Others
AFO	Gliderport, Seaport, Stolport, Ultralight or Balloonport Facilities
AFH	Heliport Facilities

Table A.11 Potable Water System Classification

Label	Description
Pumping Plants	
PPPL	Large Pumping Plant (> 50 MGD) [different combinations for with or without anchored components]
PPPM	Medium Pumping Plant (10 to 50 MGD) [different combinations for with or without anchored
PPPS	Small Pumping Plant (< 10 MGD) [different combinations for with or without anchored components]
Wells	
PWE	Wells
	Water Storage Tanks (Typically, 0.5 MGD to 2 MGD)
PSTAS	Above Ground Steel Tank
PSTBC	Buried Concrete Tank
PSTGC	On Ground Concrete Tank
PSTGS	On Ground Steel Tank
PSTGW	On Ground Wood Tank
Water Treatment Plants	
PWTL	Large WTP (> 200 MGD) [different combinations for with or without anchored components]
PWTM	Medium WTP (50-200 MGD) [different combinations for with or without anchored components]
PWTS	Small WTP (< 50 MGD) [different combinations for with or without anchored components]

Table A.12 Waste Water System Classification

Label	Description
Waste Water Treatment Plants	
WWTL	Large WWTP (> 200 MGD) [different combinations for with or without anchored
WWTM	Medium WWTP (50-200 MGD) [different combinations for with or without anchored
WWTS	Small WWTP (< 50 MGD) [different combinations for with or without anchored
Lift Stations	
WLSL	Large Lift Stations (> 50 MGD) [different combinations for with or without anchored
WLSM	Medium Lift Stations (10 MGD - 50 MGD) [different combinations for with or without
WLSS	Small Lift Stations (< 10 MGD) [different combinations for with or without anchored

Table A.13 Oil System Classification

Label	Description
Refineries	
ORFL	Large Refinery (> 500,000 lb./day) [different combinations for with or without anchored
ORFM	Medium Refinery (100,000 - 500,000 lb./ day) [different combinations for with or without
ORFS	Small Refinery (< 100,000 lb./day) [different combinations for with or without anchored
Pumping Plants	
OPP	Pumping Plant [different combinations for with or without anchored components]
Tank Farms	
OTF	Tank Farms with Anchored Tanks [different combinations for with or without anchored

Table A.14 Natural Gas System Classification

Label	Description
Compressor Stations	
NGC	Compressor Stations [different combinations for with or without anchored

Table A.15 Electric Power System Classification

Label	Description
Transmission Substations	
ESSL	Low Voltage (115 KV) Substation [different combinations for with or without anchored components]
ESSM	Medium Voltage (230 KV) Substation [different combinations for with or without anchored
ESSH	High Voltage (500 KV) Substation [different combinations for with or without anchored components]
Distribution Circuits	
EDC	Distribution Circuits (either Seismically Designed Components or Standard Components)
Generation Plants	
EPPL	Large Power Plants (> 500 MW) [different combinations for with or without anchored components]
EPPM	Medium Power Plants (100 - 500 MW) [different combinations for with or without anchored
EPPS	Small Power Plants (< 100 MW) [different combinations for with or without anchored components]

Table A.16 Communication Classification

Label	Description
Central Offices	
CCO	Central Offices (different combinations for with or without anchored components and/or with or without backup power)
Stations or Transmitters	
CBR	AM or FM radio stations or transmitters
CBT	TV stations or transmitters
CBW	Weather stations or transmitters
CBO	Other stations or transmitters

Table A.17 Dam Hazards

Label	Description
NULL	Unknown
L	Low Potential
S	Significant Potential
H	High Potential

Table A.18 Hazardous Material Class

Label	Description
HM15	Highly toxic liquids & solids
HM16	Inert
HM17	Irritant liquids
HM18	Irritant solids
HM19	Liquefied petroleum gases
HM20	Magnesium
HM21	Nitrate film
HM22	Oxidizing gases (including oxygen)
HM23	Oxidizing liquids - Class 4
HM24	Oxidizing liquids - Class 3
HM25	Oxidizing liquids - Class 2
HM26	Oxidizing liquids - Class 1
HM27	Oxidizing solids - Class 4

Label	Description
HM28	Oxidizing solids - Class 3
HM29	Oxidizing solids - Class 2
HM30	Oxidizing solids - Class 1
HM31	Organic peroxide liquids and solids - Class I
HM32	Organic peroxide liquids and solids - Class II
HM33	Organic peroxide liquids and solids - Class III
HM34	Organic peroxide liquids and solids - Class IV
HM35	Other health hazards - Liquids
HM36	Other health hazards - Solids
HM37	Pyrophoric gases
HM38	Pyrophoric liquids
HM39	Pyrophoric solids
HM40	Radioactive materials
HM41	Sensitizer, liquids
HM42	Sensitizer, solids
HM43	Toxic gases
HM44	Toxic liquids
HM45	Toxic solids
HM46	Unstable gases (reactive)
HM47	Unstable liquids (reactive) - Class 4
HM48	Unstable liquids (reactive) - Class 3
HM49	Unstable liquids (reactive) - Class 2
HM50	Unstable liquids (reactive) - Class 1
HM51	Unstable solids (reactive) - Class 4
HM52	Unstable solids (reactive) - Class 3
HM53	Unstable solids (reactive) - Class 2
HM54	Unstable solids (reactive) - Class 1
HM55	Water-reactive liquids - Class 3
HM56	Water-reactive liquids - Class 2
HM57	Water-reactive liquids - Class 1
HM58	Water-reactive solids - Class 3
HM59	Water-reactive solids - Class 2
HM60	Water-reactive solids - Class 1
HDFLT	Default for Hazardous Material
HM01	Carcinogens
HM02	Cellulose nitrate

Label	Description
HM03	Combustible fibers
HM04	Combustible liquids - Class I
HM05	Combustible liquids - Class II
HM06	Combustible liquids - Class III-A
HM07	Corrosive gases
HM08	Corrosive liquids
HM09	Cryogens - Corrosive
HM10	Cryogens - Flammable
HM11	Cryogens - Highly toxic
HM12	Cryogens - Nonflammable
HM13	Cryogens - Oxidizer (including oxygen)
HM14	Highly toxic gases

Table A.17 Valuation Type

Label	Description
0	Unknown
1	Market Value
2	Assessed Value
3	Replacement Value
99	Other

Appendix B - Earthquake Module Domain Tables

Table B.1 Site (Soil) Classes

Site Class	Site Class Description
A	Hard Rock
B	Rock
C	Very Dense Soil and Soft Rock
D	Stiff Soils
E	Soft Soils
F	Soils Requiring Site specific Evaluations

Table B.2 Structural Building Classifications

No.	Label	Description	Height Range		Typical	
			Name	Stories	Stories	Feet
1	W1	Wood, Light Frame ($\leq$ 5,000 sq.ft.)		1 - 2	1	14
2	W2	Wood, Greater than 5,000 sq. ft.		All	2	24
3	S1L	Steel Moment Frame	Low-Rise	1 - 3	2	24
4	S1M		Mid-Rise	4 - 7	5	60
5	S1H		High-Rise	8+	13	156
6	S2L	Steel Braced Frame	Low-Rise	1 - 3	2	24
7	S2M		Mid-Rise	4 - 7	5	60
8	S2H		High-Rise	8+	13	156

9	S3	Steel Light Frame		All	1	15
10	S4L	Steel Frame with Cast-in-Place Concrete Shear Walls	Low-Rise	1 - 3	2	24
11	S4M		Mid-Rise	4 - 7	5	60
12	S4H		High-Rise	8+	13	156
13	S5L	Steel Frame with Unreinforced Masonry Infill Walls	Low-Rise	1 - 3	2	24
14	S5M		Mid-Rise	4 - 7	5	60
15	S5H		High-Rise	8+	13	156
16	C1L	Concrete Moment Frame	Low-Rise	1 - 3	2	20
17	C1M		Mid-Rise	4 - 7	5	50
18	C1H		High-Rise	8+	12	120
19	C2L	Concrete Shear Walls	Low-Rise	1 - 3	2	20
20	C2M		Mid-Rise	4 - 7	5	50
21	C2H		High-Rise	8+	12	120
22	C3L	Concrete Frame with Unreinforced Masonry Infill Walls	Low-Rise	1 - 3	2	20
23	C3M		Mid-Rise	4 - 7	5	50
24	C3H		High-Rise	8+	12	120
25	PC1	Precast Concrete Tilt-Up Walls		All	1	15
26	PC2L	Precast Concrete Frames with Concrete Shear Walls	Low-Rise	1 - 3	2	20
27	PC2M		Mid-Rise	4 - 7	5	50
28	PC2H		High-Rise	8+	12	120
29	RM1L	Reinforced Masonry Bearing Wall s with Wood or Metal Deck Diaphragms	Low-Rise	1-3	2	20
30	RM2M		Mid-Rise	4+	5	50

31	RM2L	Reinforced Masonry Bearing Wall s with Precast Concrete Diaphragms	Low-Rise	1 - 3	2	20
32	RM2M		Mid-Rise	4 - 7	5	50
33	RM2H		High-Rise	8+	12	120
34	URML	Unreinforced Masonry Bearing Walls	Low-Rise	1 - 2	1	15
35	URMM		Mid-Rise	3+	3	35
36	MH	Mobile Homes		All	1	10

Table B.3 Earthquake Foundation Type

Label	Description
0	Unknown
1	Slab
2	Perimeter (shallow)
3	Combined Footing
4	Single column footing
5	Pile
6	Drilled pier
7	Elevated pier
8	Caisson
9	None

Table B.4 Landslide Susceptibility Category

Label	Description
0	None
1	Category I - Minimal
2	Category II
3	Category III - Low
4	Category IV - Medium
5	Category V

Label	Description
6	Category VI
7	Category VII
8	Category VIII
9	Category IX
90	Category X - High

Table B.5 Liquefaction Susceptibility Category

Label	Description
0	Unknown
1	None
2	Very Low
3	Low
4	Moderate
5	High
6	Very High

Table B.6 Earthquake Design level

Label	Description
HC	High – Code
MC	Moderate - Code
LC	Low – Code
PC	Pre – Code
HS	Special High – Code
MS	Special Moderate – Code
MS	Special Moderate – Code
LS	Special Low – Code
LS	Special Low – Code

Table B.7 Anchor

Label	Description
NULL	Unknown
1	The equipment is anchored
0	The equipment is not anchored

Table B.8 Building-Specific Data Earthquake Building Classifications

Label	Description
W	Wood
W1	Wood, Light Frame ($\leq$ 5,000 sq.ft.)
W2	Wood, Greater than 5,000 sq. ft.
S	Steel
S1	Steel Moment Frame
S2	Steel Braced Frame
S3	Steel Light Frame
S4	Steel Frame with Cast-in-Place Concrete Shear Walls
S5	Steel Frame with Unreinforced Masonry Infill Walls

Label	Description
C	Concrete
C1	Concrete Moment Frame
C2	Concrete Shear Walls
C3	Concrete Frame with Unreinforced Masonry Infill Walls
PC1	Precast Concrete Tilt-Up Walls
PC2	Precast Concrete Frames with Concrete Shear Walls
M	Masonry
RM1	Reinforced Masonry Bearing Wall s with Wood or Metal
RM2	Reinforced Masonry Bearing Wall s with Precast
URM	Unreinforced Masonry Bearing Walls
MH	Mobile Homes

Table B.9 Building-Specific Data Earthquake Design Code

Label	Description
0	Unknown
1	UBC
2	SBC
3	BOCA
4	ASCE-7
5	IBC
6	IRC
7	None

Table B.10 Building-Specific Data Earthquake Ornamentation

Label	Description
0	Unknown
1	Extensive
2	Average
3	Minimal
4	None

Table B.11 Building-Specific Data Earthquake Construction Quality

Label	Description
0	Unknown
1	Superior to Code
2	Code Compliant
3	Inferior to Code

Appendix C - Flood Module Domain Tables

Table C.1 Flood Module Building Type

Label	Description
WOOD	Wood Building
STEEL	Steel Building
CONCRETE	Concrete Building
PRECAST	Precast Concrete Building
MASONRY	Masonry Building
RMASONRY	Reinforced Masonry Building
URMASONRY	Unreinforced Masonry Building
MOBILE	Mobile Home
MANUFHOUSING	Manufactured Housing

Table C.2 Flood Module Design Level

Label	Description
0	Unknown
1	Prior - 1950
2	1950 - 1970
3	Post 1970

Table C.3 Flood Module Foundation Type

Label	Description
1	Pile
2	Pier
3	Solid Wall
4	Basement/Yard
5	Crawl Space
6	Fill
7	Slab on Grade

Table C.4 Building-Specific Data Flood Hazard Zones

Label	Description
1	A1-A30
2	AE
3	AH
4	A(with BFE)
5	A(without BFE)
6	AO
7	AR
8	AR/A
9	AR/AE
90	AR/A1-A30
91	AR/AH
92	AR/AO
93	VE
94	V1-V30
95	V(with BFE)
96	B
97	C
98	D
99	X(shaded)
991	X(un-shaded)
992	X500
999	Unknown

Table C.5 Building-Specific Data Flood Enclosure Type

Label	Description
0	Unknown
1	Solid Wall with Opening (<300 sq ft)
2	Solid Wall with Opening (>300 sq ft)
3	Solid Wall without Opening (<300 sq ft)

Label	Description
4	Solid wall without Opening (>300 sq ft)
5	Breakaway Walls
6	Lattice/Screening
7	None

Table C.6 Building-Specific Data Flood Substructure Types

Label	Description
0	Unknown
1	Slab
2	Fill
3	Crawlspace
4	Basement
5	Garden Level
6	Pier (Post or Beam)
7	Solid Wall
8	Pile or Column
9	None

Table C.7 Building-Specific Data Flood Building Condition

Label	Description
0	Unknown
1	Excellent
2	Good
3	Fair
4	Poor

Table C.8 Building-Specific Data Flood Construction Class

Label	Description
0	Unknown

Label	Description
1	Economy
2	Average
3	Luxury
4	Custom

Table C.9 Building-Specific Data Flood Top-Bottom Floor

Label	Description
0	Unknown
1	Top of Floor
2	Bottom of Lowest Horizontal Struct. Member Supporting Floor

Table C.10 Building-Specific Data Flood Vertical Datum

Label	Description
0	Unknown
1	NGVD29 (or MSL NGVD)
2	NAVD88 (or MSL NAVD)
99	Other

Table C.11 Building-Specific Data Flood Agriculture Crop Type

Label	Description
ALFALFA HAY	ALFALFA HAY
CORN SILAGE	CORN SILAGE
GRASS-LEGUME HAY	GRASS-LEGUME HAY
KENTUCKY	KENTUCKY BLUEGRASS
OATS	OATS
ORCHARDGRASS	ORCHARDGRASS
SOYBEANS	SOYBEANS
TALL FESCUE	TALL FESCUE
TOBACCO	TOBACCO

Label	Description
WHEAT	WHEAT
BROMEGRASS-	BROMEGRASS-ALFALFA
BROMEGRASS-	BROMEGRASS-ALFALFA HAY
SMOOTH	SMOOTH BROMEGRASS
TIMOTHY-RED	TIMOTHY-RED CLOVER HAY
WHEAT, WINTER	WHEAT, WINTER
CORN	CORN
Ton	Ton
BU	BU
AUM	AUM
LBS	LBS
BOXES	BOXES
CWT	CWT

Appendix D - Hurricane Module Domain Tables

Table D.1 Wind Module Building-Specific Data: Cladding Types

Label	Description
0	Unknown
1	Reinforced Masonry or Reinforced Concrete
2	Unreinforced Masonry
3	Brick Veneer
4	Composite Materials Siding
5	Vinyl
6	Metal Panel
7	Wood
8	Stucco
9	EIFS
90	Glass
99	Other

Table D.2 Wind Module Building-Specific Data: Deck Attachment

Label	Description
0	Unknown
1	Weld
2	Screw
3	NA
99	Other

Table D.3 Wind Module Building-Specific Data: Door Protection

Label	Description
0	Unknown
1	Wood
2	Metal

Label	Description
3	Plywood
4	None
99	Other

Table D.4 Wind Module Building-Specific Data: Frame Spacing

Label	Description
0	Unknown
1	12 inches
2	16 inches
3	19.6 inches
4	24 inches
5	36 inches
6	NA
99	Other

Table D.5 Wind Module Building-Specific Data: Garage Door

Label	Description
0	Unknown
1	None
2	1 Door
3	2 Doors
4	3 Doors
5	4 Doors
6	5 Doors
7	>5 Doors

Table D.6 Wind Module Building-Specific Data: Garage with Shutters

Label	Description
None	None
SFBC 1994	SFBC 1994
0	Unknown

Table D.7 Wind Module Building-Specific Data: Garage with No Shutters

Label	Description
None	None
Standard	Standard
Weak	Weak
0	Unknown

Table D.8 Wind Module Building-Specific Data: Glass Construction

Label	Description
0	Unknown
1	Single Pane
2	Insulated
3	Laminated
4	NA
99	Other

Table D.9 Wind Module Building-Specific Data: Glass Type

Label	Description
0	Unknown
1	Annealed

Label	Description
2	Heat-Strengthened
3	Tempered
4	NA
99	Other

Table D.10 Wind Module Building-Specific Data: Joint Spacing

Label	Description
4 ft	4 ft
6 ft	6 ft
0	Unknown

Table D.11 Wind Module Building-Specific Data: MH Code Compliance

Label	Description
0	Unknown
1	Pre-HUD
2	HUD compliant
3	Post 1994 HUD compliant
4	Not Compliant

Table D.12 Wind Module Building-Specific Data: MH Code Wind Zone

Label	Description
0	Unknown
1	Zone I
2	Zone II

Label	Description
3	Zone III
4	NA

Table D.13 Wind Module Building-Specific Data: Nail Size

Label	Description
0	Unknown
1	6d
2	8d
3	10d
99	Other

Table D.14 Wind Module Building-Specific Data: Nail Spacing

Label	Description
0	Unknown
1	6"x12"
2	6"x6"
99	Other

Table D.15 Wind Module Building-Specific Data: Openings

Label	Description
0	Unknown
1	0 to 10%
2	11 to 20%
3	21 to 30%
4	31 to 40%
5	41 to 50%
6	51 to 60%
7	> 60%

Table D.16 Wind Module Building-Specific Data: Other Door Area

Label	Description
0	Unknown
1	0 to 10%
2	11 to 20%
3	21 to 30%
4	> 30%

Table D.17 Wind Module Building-Specific Data: Protection Compliance

Label	Description
0	Unknown
1	SFBC
2	SBC
3	ASTM E1996
4	Not Code Compliant
99	Other

Table D.18 Wind Module Building-Specific Data: Roll Up Doors

Label	Description
0	Unknown
1	None
2	1 Door
3	2 Doors
4	3 Doors
5	4 Doors
6	5 Doors
7	>5 Doors

Table D.19 Wind Module Building-Specific Data: Roof Covering

Label	Description
0	Unknown

Label	Description
1	Asphalt Shingle
2	Wood Shingle
3	Wood Shake
4	Barrel Clay Tile
5	Flat Tile
6	Concrete Flat Tile
7	Slate
8	Metal Shingle
9	Metal Panel
10	Built-up w/ Gravel
11	Built-up w/o Gravel
12	Modified Bitumen
13	Single Ply Membrane - Mechanically Attached
14	Single Ply Membrane - Adhered
15	Single Ply Membrane - Gravel ballast
16	Single Ply Membrane - Paver ballast
99	Other
17	BUR
18	SPM

Table D.20 Wind Module Building-Specific Data: Roof Covering Hawaii

Label	Description
Shingle	Shingle
Metal	Metal
0	Unknown

Table D.21 Wind Module Building-Specific Data: Roof Cover Quality

Label	Description
Good	Good
Poor	Poor

Label	Description
0	Unknown

Table D.22 Wind Module Building-Specific Data: Roof Deck Age

Label	Description
0	Unknown
New or Average	New or Average
Old	Old

Table D.23 Wind Module Building-Specific Data: Roof Deck Attachment

Label	Description
0	Unknown
6d @ 6"/12"	6d @ 6"/12"
8d @ 6"/12"	8d @ 6"/12"
6d/8d Mix @ 6"/6"	6d/8d Mix @ 6"/6"
8D @ 6"/6"	8D @ 6"/6"

Table D.24 Wind Module Building-Specific Data: Roof Deck Attachment Hawaii

Label	Description
Standard	Standard
Superior	Superior
0	Unknown

Table D.25 Wind Module Building-Specific Data: Roof Frame Type

Label	Description
Wood Truss	Truss
OWSJ	OWSJ

Label	Description
0	Unknown

Table D.26 Wind Module Building-Specific Data: Roof Perimeter

Label	Description
0	Unknown
1	Roof overhang < 2 Feet
2	Roof overhang > 2 feet
3	Braced parapet
4	Unbraced parapet
5	Overhang & braced parapet
6	Overhang & unbraced parapet
7	None
99	Other

Table D.27 Wind Module Building-Specific Data: Roof Shape

Label	Description
0	Unknown
1	Hip
2	Gable
3	Flat
4	Gambrel
5	Mansard
6	Dutch-Hip
7	Shed
8	Mono-slope
9	Multi-level
90	Barn
99	Other

Table D.28 Wind Module Building-Specific Data: Roof Sheathing

Label	Description
0	Unknown

Label	Description
1	Plywood
2	Oriented strand board (OSB)
3	Plank
4	Metal Deck
5	Concrete Slab
6	Batten Deck
99	Other

Table D.29 Wind Module Building-Specific Data: Roof Slope

Label	Description
0	Unknown
1	Less than 10 degrees
2	11 to 20 degrees
3	21 to 30 degrees
4	31 to 45 degrees
5	46 to 60 degrees
6	Greater than 60 degrees

Table D.30 Wind Module Building-Specific Data: Shutter Code

Label	Description
0	Unknown
1	SFBC
2	SBC
3	ASTM E1996
4	Not Code Compliant
99	Other

Table D.31 Wind Module Building-Specific Data: Shutter Type

Label	Description
0	Unknown

Label	Description
1	Wood
2	Metal
3	Plywood
4	NA
99	Other

Table D.32 Wind Module Building-Specific Data: Topography

Label	Description
0	Unknown
1	Flat
2	Valley
3	Ridge
4	Slope

Table D.33 Wind Module Building-Specific Data: Truss Spacing Hawaii

Label	Description
2 ft	2 ft
4 ft	4 ft
0	Unknown

Table D.34 Wind Module Building-Specific Data: Units per Floor

Label	Description
Multi	Multi

Label	Description
Single	Single
0	Unknown

Table D.35 Wind Module Building-Specific Data: Wall Anchorage

Label	Description
0	Unknown
1	Toe nail
2	Anchor bolt
3	Strap
4	Weld
5	None
99	Other

Table D.36 Wind Module Building-Specific Data: Wall Construction Hawaii

Label	Description
Single Wall	Single Wall
Double Wall	Double Wall
0	Unknown

Table D.37 Wind Module Building-Specific Data: Wind Debris

Label	Description
Varies by direction	Residential\Commercial Missile Environment - Varies By
Residential	Residential Missile Environment
Res./Comm.	Residential\Commercial Missile Environment
None	No Missiles
0	Unknown

Table D.38 Wind Module Building-Specific Data: Wind Debris Source

Label	Description
0	Unknown
1	Roof Shingles
2	Roof Tiles
3	Roof Gravel
4	Sheds
5	Fencing
6	Appurtenant Structures
7	Architectural Features
8	None

Table D.39 Wind Module Building-Specific Data: Wind Design Code

Label	Description
0	Unknown
1	UBC
2	SBC
3	BOCA
4	ASCE-7
5	SFBC
6	None
99	Other

Table D.40 Wind Module Building-Specific Data: Wind Design Speed Type

Label	Description
0	Unknown
1	Fastest Mile
2	Peak Gust

Table D.41 Wind Module Building-Specific Data: Wind Exposure

Label	Description
0	Unknown
1	Ocean Front
2	Open Land
3	Forested
4	Suburban
5	Urban
6	Major City Center

Table D.42 Wind Module Building-Specific Data: Window Area

Label	Description
High	High
Low	Low
Medium	Medium
0	Unknown

Table D.43 Wind Module Building-Specific Data: Wind Shielding

Label	Description
0	Unknown
1	None
2	One Side
3	Two Sides
4	Three Sides
5	Surrounded

Table D.44 Wind Module Building-Specific Data: Wind Shielding Height

Label	Description
0	Unknown
1	Taller Buildings
2	Similar Buildings
3	Shorter Buildings

Label	Description
4	Taller Trees
5	Tree Height Similar to Building Height
6	Shorter Trees
7	None
99	Other

Table D.45 Wind Module Building-Specific Data: Wind Specific Building Type

Label	Description
WSF2	Single Family Homes, 2 or More Stories - Wood
WMUH1	Marginally Engineered or Non-Engineered Multi-Unit Housing/Hotels/Motels, 1 Story
WMUH2	Marginally Engineered or Non-Engineered Multi-Unit Housing/Hotels/Motels, 2 Stories
WMUH3	Marginally Engineered or Non-Engineered Multi-Unit Housing/Hotels/Motels, 3 or More
MSF1	Single Family Homes, 1 Story - Masonry
MSF2	Single Family Homes, 2 or More Stories - Masonry
MMUH1	Marginally Engineered or Non-Engineered Multi-Unit Housing/Hotels/Motels, 1 Story
MMUH2	Marginally Engineered or Non-Engineered Multi-Unit Housing/Hotels/Motels, 2 Stories
MMUH3	Marginally Engineered or Non-Engineered Multi-Unit Housing/Hotels/Motels, 3 or More
WSF1	Single Family Homes, 1 Story - Wood
MLRM1	Low-Rise Masonry Strip Mall Buildings, Up to 15ft high
MLRM2	Low-Rise Masonry Strip Mall Buildings, More than 15 ft high
MLRI	Low-Rise Industrial/Warehouse/Factory Buildings, 20ft high
MERBL	Engineered Residential Buildings, Low-Rise (1-2 Stories)
MERBM	Engineered Residential Buildings, Medium-Rise (3-5 Stories)
MERBH	Engineered Residential Buildings, High-Rise (6 or More Stories)
MECBL	Engineered Commercial Buildings, Low-Rise (1-2 Stories)
MECBM	Engineered Commercial Buildings, Medium-Rise (3-5 Stories)
MECBH	Engineered Commercial Buildings, High-Rise (6 or More Stories)
CERBL	Engineered Residential Buildings, Low-Rise (1-2 Stories)
CERBM	Engineered Residential buildings, Medium-Rise (3-5 Stories)
CERBH	Engineered Residential Buildings, High-Rise (6 or More Stories)
CECBL	Engineered Commercial Buildings, Low-Rise (1-2 Stories)
CECBM	Engineered Commercial Buildings, Medium-Rise (3-5 Stories)
CECBH	Engineered Commercial Buildings, High-Rise (6 or More Stories)
SPMBS	Pre-Engineered Metal Building, Small - Steel
SPMBM	Pre-Engineered Metal Building, Medium - Steel

Label	Description
SPMBL	Pre-Engineered Metal Building, Large - Steel
SERBL	Engineered Residential Buildings, Low-Rise (1-2 Stories)
SERBM	Engineered Residential Buildings, Medium-Rise (3-5 Stories)
SERBH	Engineered Residential Buildings, High-Rise (6 or More Stories)
SECBL	Engineered Commercial Buildings, Low-Rise (1-2 Stories)
SECBM	Engineered Commercial Buildings, Medium-Rise (3-5 Stories)
SECBH	Engineered Commercial Buildings, High-Rise (6 or More Stories)
MHPHUD	Manufactured Homes
MH76HUD	Manufactured Homes
MH94HUDI	Manufactured Homes
MH94HUDII	Manufactured Homes
MH94HUDIII	Manufactured Homes
0	Unknown