

Paperwork Reduction Act Burden Statement

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number. The OMB Control Number for this information collection is 2125-XXXX. Public reporting for this collection of information is estimated to be approximately 40 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. All responses to this collection of information are mandatory (Title 23 USC section 144 and CFR 23 650, Subpart E National Tunnel Inspection Standards). Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, Department of Transportation, Federal Highway Administration, 1200 New Jersey Ave SE, Washington, D.C. 20590.

Section 4: Index of Inventory Items and Elements

Inventory Items

Identification Items

<u>Item ID</u>	<u>Inventory Item Name</u>
I.1	Tunnel Number
I.2	Tunnel Name
I.3	State Code
I.4	County Code
I.5	Place Code
I.6	Highway Agency District
I.7	Route Number
I.8	Route Direction
I.9	Route Type
I.10	Facility Carried
I.11	LRS Route ID
I.12	LRS Mile Point
I.13	Tunnel Portal's Latitude
I.14	Tunnel Portal's Longitude
I.15	Border Tunnel State or Country Code
I.16	Border Tunnel Financial Responsibility
I.17	Border Tunnel Number
I.18	Border Tunnel Inspection Responsibility

Age and Service Items

<u>Item ID</u>	<u>Inventory Item Name</u>
A.1	Year Built
A.2	Year Rehabilitated
A.3	Total Number of Lanes
A.4	Average Daily Traffic
A.5	Average Daily Truck Traffic
A.6	Year of Average Daily Traffic
A.7	Detour Length
A.8	Service in Tunnel

Classification Items

<u>Item ID</u>	<u>Inventory Item Name</u>
C.1	Owner
C.2	Operator
C.3	Direction of Traffic
C.4	Toll
C.5	NHS Designation
C.6	STRAHNET Designation
C.7	Functional Classification
C.8	Urban Code

Geometric Data Items

<u>Item ID</u>	<u>Inventory Item Name</u>
G.1	Tunnel Length
G.2	Minimum Vertical Clearance over Tunnel Roadway
G.3	Roadway Width, Curb-to-Curb
G.4	Left Sidewalk Width
G.5	Right Sidewalk Width

Inspection items

<u>Item ID</u>	<u>Inventory Item Name</u>
D.1	Routine Inspection Target Date
D.2	Actual Routine Inspection Date
D.3	Routine Inspection Interval
D.4	In-Depth Inspection
D.5	Damage Inspection
D.6	Special Inspection

Load Rating and Posting Items

<u>Item ID</u>	<u>Inventory Item Name</u>
L.1	Load Rating Method
L.2	Inventory Load Rating Factor
L.3	Operating Load Rating Factor
L.4	Tunnel Load Posting Status
L.5	Posting Load – Gross
L.6	Posting Load – Axle
L.7	Posting Load – Type 3
L.8	Posting Load – Type 3S2
L.9	Posting Load – Type 3-3
L.10	Height Restriction
L.11	Hazardous Material Restriction
L.12	Other Restrictions

Navigation Items

<u>Item ID</u>	<u>Inventory Item Name</u>
N.1	Under Navigable Waterway
N.2	Navigable Waterway Clearance
N.3	Tunnel or Portal Island Protection from Navigation

Structure Type and Material Items

<u>Item ID</u>	<u>Inventory Item Name</u>
S.1	Number of Bores
S.2	Tunnel Shape
S.3	Portal Shapes
S.4	Ground Conditions
S.5	Complex

Elements

Structural Section

Element Type	Element #	Element Name	Unit of Measure
Liners	10000	Steel Tunnel Liner	area, ft ²
	10001	Cast-in-Place Concrete Tunnel Liner	area, ft ²
	10002	Precast Concrete Tunnel Liner	area, ft ²
	10003	Shotcrete Tunnel Liner	area, ft ²
	10004	Timber Tunnel Liner	area, ft ²
	10005	Masonry Tunnel Liner	area, ft ²
	10006	Unlined Rock Tunnel	area, ft ²
	10007	Rock Bolt/Dowel	each
	10009	Other Tunnel Liner	area, ft ²
Tunnel Roof Girders	10010	Steel Tunnel Roof Girders	length, ft
	10011	Concrete Tunnel Roof Girders	length, ft
	10012	Prestressed Concrete Tunnel Roof Girders	length, ft
	10019	Other Tunnel Roof Girders	length, ft
Columns/ Piles	10020	Steel Columns/Piles	each
	10021	Concrete Columns/Piles	each
	10029	Other Columns/Piles	each
Cross Passageway	10030	Steel Cross Passageway	length, ft
	10031	Concrete Cross Passageway	length, ft
	10033	Shotcrete Cross Passageway	length, ft
	10034	Timber Cross Passageway	length, ft
	10035	Masonry Cross Passageway	length, ft
	10036	Unlined Rock Cross Passageway	length, ft
	10039	Other Cross Passageway	length, ft
Interior Walls	10041	Concrete Interior Walls	area, ft ²
	10049	Other Interior Walls	area, ft ²
Portal	10051	Concrete Portal	area, ft ²
	10055	Masonry Portal	area, ft ²
	10059	Other Portal	area, ft ²
Ceiling Slab	10061	Concrete Ceiling Slab	area, ft ²
	10069	Other Ceiling Slab	area, ft ²
Ceiling Girder	10070	Steel Ceiling Girder	length, ft
	10071	Concrete Ceiling Girder	length, ft
	10072	Prestressed Concrete Ceiling Girder	length, ft
	10079	Other Ceiling Girder	length, ft

Element Type	Element #	Element Name	Unit of Measure
Hangers and Anchorages	10080	Steel Hangers and Anchorages	each
	10089	Other Hangers and Anchorages	each
Ceiling Panels	10090	Steel Ceiling Panels	area, ft ²
	10091	Concrete Ceiling Panels	area, ft ²
	10099	Other Ceiling Panels	area, ft ²
Invert Slab	10101	Concrete Invert Slab	area, ft ²
	10109	Other Invert Slab	area, ft ²
Slab-on-Grade	10111	Concrete Slab-on-Grade	area, ft ²
	10119	Other Slab-on-Grade	area, ft ²
Invert Girder	10120	Steel Invert Girder	length, ft
	10121	Concrete Invert Girder	length, ft
	10122	Prestressed Concrete Invert Girder	length, ft
	10129	Other Invert Girder	length, ft
Joints	10130	Strip Seal Expansion Joint	length, ft
	10131	Pourable Joint Seal	length, ft
	10132	Compression Joint Seal	length, ft
	10133	Assembly Joint With Seal	length, ft
	10134	Open Expansion Joint	length, ft
	10135	Assembly Joint Without Seal	length, ft
	10139	Other Joint	length, ft
Gaskets	10140	Gaskets	length, ft

Civil Section

Element Type	Element #	Element Name	Unit of Measure
Wearing Surface	10151	Concrete Wearing Surface	area, ft ²
	10158	Asphalt Wearing Surface	area, ft ²
	10159	Other Wearing Surface	area, ft ²
Traffic Barrier	10160	Steel Traffic Barrier	length, ft
	10161	Concrete Traffic Barrier	length, ft
	10169	Other Traffic Barrier	length, ft
Pedestrian Railing	10170	Steel Pedestrian Railing	length, ft
	10171	Concrete Pedestrian Railing	length, ft
	10179	Other Pedestrian Railing	length, ft

Mechanical Systems Section

Element Type	Element #	Element Name	Unit of Measure
Ventilation System	10200	Ventilation System	each
	10201	Fans	each
Drainage System	10300	Drainage and Pumping System	each
	10301	Pumps	each
Emergency Generator System	10400	Emergency Generator System	each
Flood Gate	10475	Flood Gate	each

Electrical Systems Section

Element Type	Element #	Element Name	Unit of Measure
Electrical Distribution	10500	Electrical Distribution System	each
Emergency Distribution	10550	Emergency Distribution System	each
Tunnel Lighting	10600	Tunnel Lighting Systems	each
	10601	Tunnel Lighting Fixtures	each
Emergency Lighting	10620	Emergency Lighting Systems	each
	10621	Emergency Lighting Fixtures	each

Fire/Life Safety/Security Systems Section

Element Type	Element #	Element Name	Unit of Measure
Fire Detection	10650	Fire Detection System	each
Fire Protection	10700	Fire Protection System	each
Emergency Communications	10750	Emergency Communications System	each
Operations and Security	10800	Tunnel Operations and Security System	each

Signs Section

Element Type	Element #	Element Name	Unit of Measure
Traffic Guidance	10850	Traffic Sign	each
Egress Signs	10870	Egress Sign	each
Variable Message Boards	10890	Variable Message Board	each
Lane Signal	10910	Lane Signal	each
	10911	Lane Signal Fixture	each

Protective Systems Section

Element Type	Element #	Element Name	Unit of Measure
Protective Coating	10950	Steel Corrosion Protective Coating	area, ft ²
	10951	Concrete Corrosion Protective Coating	area, ft ²
	10952	Fire Protective Coating	area, ft ²