

Geospatial Categories for Improvement Types

<p>On-Roadway Improvement Types - These improvement types invariably occur on a roadway. The State can indicate "Route ID is not on the LRS" or "Congressional District map is not in FMIS" as justification to omit geospatial data.</p>
<p>New Construction – Geospatial data is optional because geospatial data is not universally available for new construction.</p>
<p>New Construction or Off-Roadway is Possible – These improvement types may be part of a new construction effort or may correspond to work that is occurring off-roadway. The State can indicate "New Construction", "Off-Roadway", "Route ID is not on the LRS" or "Congressional District map is not in FMIS" as justification to omit geospatial data.</p>
<p>Commonly Off Roadway - Geospatial data is optional because this improvement type commonly takes place off-roadway.</p>
<p>Obsolete – Geospatial rules are not applicable for obsolete improvement types. It will not be possible for a detail line with geospatial data to reference an obsolete improvement type.</p>

Improvement Types

Imp. Type Code	Improvement Type	On Roadway	New Construction	New Construction or Off-Road	Common Off-Road	Obsolete
01	New Construction Roadway		•			
02	4R – Reconstruction (obsolete)					•
03	4R - Added Capacity	•				
04	4R - No Added Capacity	•				
05	4R -Maintenance Resurfacing	•				
06	4R – Restoration and Resurfacing	•				
07	4R – Maintenance Relocation	•				
08	Bridge New Construction		•			
09	Bridge Replacement					•
10	Bridge Replacement – Added Capacity	•				
11	Bridge Replacement – No Added Capacity	•				

FMIS 5 State Preparation Guide Addendum for Geospatial Categories for Improvement Types
(updated 10/27/2022)

Imp. Type Code	Improvement Type	On Roadway	New Construction	New Construction or Off-Road	Common Off-Road	Obsolete
12	Bridge Rehabilitation					•
13	Bridge Rehabilitation – Added Capacity	•				
14	Bridge Rehabilitation – No Added Capacity	•				
15	Preliminary Engineering			•		
16	Right-of-Way			•		
17	Construction Engineering			•		
18	Planning				•	
19	Research				•	
20	Environmental Only			•		
21	Safety			•		
22	Rail / Highway Crossing			•		
23	Transit				•	
24	Traffic Management / Engineering - HOV			•		
25	Vehicle Weight Enforcement Program				•	
26	Ferry Boats				•	
27	Administration				•	
28	Facilities for Pedestrians and Bicycles			•		
29	Acquisition of Scenic Easements and Scenic or Historic Sites			•		
30	Scenic or Historic Highway Programs			•		
31	Landscaping and Other Scenic Beautification			•		
32	Historic Preservation			•		
33	Rehabilitation and Operation of Historic Transportation Buildings, Structures, or Facilities			•		
34	Preservation of Abandoned Railway Corridors			•		
35	Control and Removal of Outdoor Advertising				•	
36	Archaeological Planning and Research				•	
37	Mitigation of Water				•	

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Imp. Type Code	Improvement Type	On Roadway	New Construction	New Construction or Off-Road	Common Off-Road	Obsolete
	Pollution due to Highway Runoff					
38	Safety and Education for Pedestrians / Bicyclists				•	
39	Establishment of Transportation Museums				•	
40	Special Bridge			•		
41	Youth Conservation Service				•	
42	Training				•	
43	Utilities			•		
44	Other				•	
45	Debt Service				•	
46	Design – Build Contract (obsolete)					•
47	Bridge Preventative Maintenance	•				
48	Bridge Protection	•				
49	Bridge Inspection and Bridge Related Training				•	
50	New Tunnel		•			
51	Tunnel Replacement	•				
52	Tunnel Rehabilitation	•				
53	Tunnel Preventative Maintenance	•				
54	Tunnel Protection	•				
55	Tunnel Inspection and Tunnel Related Training				•	
56	Other Asset Inspection				•	
57	Safety Non-Infrastructure				•	
58	Freight				•	
59	Bridge Resurfacing	•				
60	Highway Infrastructure Preventive Maintenance	•				
61	Routine Maintenance	•				
62	Operations				•	
63	Electric Vehicle & Charging Infrastructure				•	
64	Other Alternative Fuel Vehicles & Infrastructure				•	
65	Resilience Planning				•	
66	Resilience Improvement	•				

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Imp. Type Code	Improvement Type	On Roadway	New Construction	New Construction or Off-Road	Common Off-Road	Obsolete
	- Highway Project					
67	Resilience Improvement - Transit or Port Projects				•	
68	Resilience Improvement - Natural Infrastructure				•	
69	Community Resilience and Evacuation Routes	•				
70	At-Risk Coastal Infrastructure - Highway Project	•				
71	At-Risk Coastal Infrastructure - Transit or Port Projects				•	
72	At-Risk Coastal Infrastructure - Natural Infrastructure				•	
99	Unknown				•	