IMPROVEMENT TYPE CODES	
Improvement Type	Description
01 – New Construction Roadway	Construction of a new roadway that will not replace an existing roadway. A new roadway will provide: (1) a roadway where none existed, or (2) an additional and alternate roadway to an existing roadway that will remain open and continue to serve through traffic.
03 –4R Reconstruction, Added Capacity	Construction on approximate alignment of an existing route where the old pavement structure is substantially removed and replaced. Such reconstruction includes widening to provide continuous additional through lane(s), or adding, or revising interchanges, replacing other highway elements such as a grade separation to replace an existing grade intersection. Also included, where necessary, are other incidental improvements such as drainage and shoulder improvements.
04 – 4R Reconstruction, No Added Capacity	Widening the lanes and/or shoulders of an existing roadway without adding through lanes. This may include reconstructing the existing pavement and other incidental improvements such as shoulder and drainage improvements.
05 – 4R Resurfacing	Placement of additional surface material over the existing roadway to improve serviceability or to provide additional strength. There may be some upgrading of unsafe features and other incidental work in conjunction with resurfacing. Where surfacing is constructed by a separate project as a final stage of construction, the type of improvement should be the same as that of the preceding stage B new route, relocation, reconstruction, minor widening, etc.

IMPROVEMENT TYPE CODES	
Improvement Type	Description
06 – 4R Restoration and Rehabilitation	Work required to return existing pavement (including shoulders) to a condition of adequate structural support or to a condition adequate for placement of an additional stage of construction. There may be some upgrading of unsafe features or other incidental work in conjunction with restoration and rehabilitation. Typical improvements would include replacing spalled or malfunctioning joints; substantial pavement stabilization prior to resurfacing; grinding/grooving of rigid pavements; replacing deteriorated materials; reworking or strengthening bases or sub-bases, and adding under-drains.
07 – 4R Relocation	Construction of a roadway at a new location that replaces an existing roadway. The new roadway carries all the through traffic with the previous facility closed or retained as a land-service road only.
08 – Bridge, New Construction	Construction of a new bridge that does not replace or relocate an existing bridge.
*10 – Bridge Replacement, Added Capacity	Total replacement of a structurally inadequate or functionally obsolete bridge with a new structure constructed with additional lanes in the same general traffic corridor to current geometric construction standards. Incidental roadway approach work is included. The use of this code requires the reporting of the National Bridge Inventory (NBI) structure number in the data field identified Bridge Numbers.

IMPROVEMENT TYPE CODES	
Improvement Type	Description
*11 – Bridge Replacement, No Added Capacity	Total replacement of a structurally inadequate or functionally obsolete bridge with a new structure without adding lanes constructed in the same general traffic corridor to current geometric construction standards. A bridge removed and replaced with a lesser facility is considered a bridge replacement. Incidental roadway approach work is included. The use of this code requires the reporting of the National Bridge Inventory (NBI) structure number in the data field identified Bridge Numbers.
*13 – Bridge Rehabilitation, Added Capacity	For the major work required to restore structural integrity of a bridge, as well as, work necessary to correct major safety defects. Bridge deck replacement (both partial and complete) and widening of bridges including addition of through lanes to specified standards are included. Construction of a dual structure to alleviate a capacity deficiency is also included. Work required to correct minor structure and safety defects or deficiencies, such as deck patching, resurfacing, protective systems, upgrading railings, curbs and gutters, and other minor bridge work. If HBRRP funds are involved, the use of this code requires the reporting of the National Bridge Inventory (NBI) structure number in the data field identified Bridge Numbers.

IMPROVEMENT TYPE CODES	
Improvement Type	Description
*14 – Bridge Rehabilitation, No Added Capacity	For the major work required to restore structural integrity of a bridge as well as work necessary to correct major safety defects. Bridge deck replacement (both partial and complete) and widening of bridges without adding through lanes to specified standards are included. Work required to correct minor structure and safety defects or deficiencies, such as deck patching, resurfacing, protective systems, upgrading railings, curbs, or other preventative maintenance items are included. If HBRRP funds are involved, the use of this code requires the reporting of the National Bridge Inventory (NBI) structure number in the data field identified Bridge Numbers.
**15 – Preliminary Engineering	For the preparation of plans, specifications, and estimates (PS&E), traffic, and related studies including field inspections, surveys, material testing, and borings.
16 – Right of Way	For purchase of land, improvements and easements, in addition to the cost of moving and relocating buildings, businesses, and persons.
**17 – Construction Engineering	Oversight of construction of roadways, structures, and traffic services facilities including additional design work after construction project is let.
18 – Planning	For Planning related purposes.
19 – Research	For Research related purposes.

IMPROVEMENT TYPE CODES	
Improvement Type	Description
20 – Environmental Only	For improvements that do not provide any increase in the level of service, in the condition of the facility or in safety features. Typical improvements, which would fall in this category, would be noise barriers, beautification and other environmentally related features not built as a part of any other improvement type. If environmental mitigation is needed as the result of a bridge project, and it is confined to the reasonable touchdown and the bridge itself, then this is allowable with HBRRP Funds. Outside the reasonable touchdown would not be considered eligible.
21 – Safety	For projects or a significant portion of a project that provides features or devices to enhance safety. For example, expenditures on projects designed to improve the safety of at-grade railroad crossings or for the construction of facilities dedicated to the enforcement of vehicle weight regulations.
22 – Rail/Highway Crossing	Improvements to crossing warning Protective Devices such as signs, markings, and cross bucks; flashing light additions/improvements; and improvements to track circuitry.
23 – Transit	For transit and transit-related purposes.
24 – Traffic Management/ Engineering - HOV	Traffic operation improvements that are designed to reduce traffic congestion and to facilitate the flow of traffic, both people and vehicles, on existing systems, or to conserve motor fuels. Include automated toll collection equipment, road and bridge surveillance and control systems, etc.
25 – Vehicle Weight Enforcement Program	Vehicle Weight Enforcement
26 – Ferry Boats	Ferry Boats

IMPROVEMENT TYPE CODES	
Improvement Type	Description
27 – Administration	Administration for National Recreational Trails Projects, Commercial Vehicles, and other similar projects.
**28 – Facilities for Pedestrians and Bicycles	For independent projects (not part of any other Federal-aid Highway project) to construct a facility to accommodate bicycle transportation and pedestrians.
**29 – Acquisition of Scenic Easements and Scenic or Historic Sites	For projects consisting of easement and fee-simple purchase of sites of historic significance and/or considered worthy of preserving due to their scenic qualities within the view shed of a transportation facility.
**30 – Scenic or Historic Highway Programs	For projects consisting of scenic highway program and implementation activities not included in safety and other related improvements.
**31 – Landscaping and Other Scenic Beautification	For projects involving landscaping and other scenic beautification through planting and related work. This includes vegetation management to assure the sustain ability of landscape areas.
**32 – Historic Preservation	For projects consisting of purchasing and restoring/rehabilitating a building, structure, or facility (other than transportation buildings, structures and facilities) that is directly related to the transportation system.
**33 – Rehabilitation and Operation of Historic Transportation Buildings, Structures, or Facilities	For projects consisting of purchasing and restoring/rehabilitating, and/or operating transportation buildings, structures, or facilities considered to be of historic significance.

IMPROVEMENT TYPE CODES	
Improvement Type	Description
**34 – Preservation of Abandoned Railway Corridors	For projects to preserve an abandoned railway corridor. It is expected that most of these projects will accommodate bicycle and pedestrian use. This code may be used for any railway corridor conversion project including those used by equestrians, skaters, and skiers. Not to be used for National Recreational Trails projects.
**35 – Control and Removal of Outdoor Advertising	For projects to purchase outdoor advertising for permanent removal, to remove illegal outdoor advertising, or to develop an outdoor advertising control plan.
**36 – Archaeological Planning and Research	For projects involving the identification, evaluation, planning, and/or research of historic or archaeological planning and research under Transportation Enhancements.
**37 – Mitigation of Water Pollution due to Highway Runoff	Mitigation of Water Pollution due to Highway Runoff.
**38 – Safety and Education for Pedestrians/Bicyclists	Safety and Education for Pedestrians and Bicyclists
**39 – Establishment of Transportation Museums	Establishment of Transportation Museums.
**40 – Special Bridge	This category includes bridge inventory, inspection and classification and other special bridge projects, such as load posting, not covered by another type of improvement code.
**41 – Youth Conservation Service	Youth Conservation Service
42 – Training	Training; Supportive Services; TRAC; On the Job Training
43 – Utilities	Utilities

IMPROVEMENT TYPE CODES	
Improvement Type	Description
44 – Other	Miscellaneous work such as National Recreational Trails construction, noise barriers, etc.
45 – Debt Service	Interest payments and retirement of principal under an eligible bond issue (including capitalized interest) and any other cost incidental to the sale of an eligible bond issue (including issuance costs, insurance or other credit enhancement fees, and other bond-related costs as determined).

* Projects using these Types of Improvement must report a National Bridge Inventory Structure Number.

** Transportation Enhancement Projects (Program Codes with fund source 33B0, Q220) must use these Types of Improvement.