

| Code | FHWA Improvement/Work Type with Examples |
|-------------|---|
| 00 | Unassigned (If this appears it indicates an error since all funding MUST be coded) |
| 01 | New Construction |
| | Two-lane Construction (Brand New Road) |
| | Four-Lane (or more) Construction |
| | Additional Lanes (Additional Driving Lanes without reconstructing existing lanes) |
| | Construction of Ramps |
| | Interchange Construction |
| | Capacity Projects |
| | Frontage Road Construction |
| | Rest Area Construction |
| 02 | Code Not Used |
| 03 | Reconstruction- Added Capacity |
| | Auxiliary Lanes |
| | Shoulders |
| | Intersection Improvements (Turn Lanes, Added Through Lanes, Roundabouts) |
| | Ramp Modifications |
| | Capacity Projects |
| | Interchange Improvements |
| | Interchange Reconstruction |
| | Reconstruction with added through lanes |
| 04 | Reconstruction- No Added Capacity |
| | Two, Four, Six, or more Lanes Reconstruction with No Additional Through Lanes |
| | Ramp Modifications |
| | Passing Lanes |
| | Center Turn Lanes |
| | Drainage Correction |
| | Drainage Improvements |
| | Drainage Structures |
| | Intersection Improvements |
| | Reconstruction without added capacity |
| 05 | 4R Maintenance-Resurfacing |
| | Milling and Inlay |
| | In-Situ/Overlay |
| | Microsurfacing |
| | Open-Graded Friction Course (Friction Course or Seal Coat) |
| | Overlay/Maintenance |
| | Overlay and Drainage |
| | Overlay (3R) |
| | Overlay |
| | Resurfacing |
| | Surfacing |
| | Surfacing & Improvements |
| | 3R & Reconstruction |
| | Grade & Gravel |

| Code | FHWA Improvement/Work Type with Examples |
|-------------|---|
| 06 | 4R Maintenance-Restoration & Rehabilitation |
| | Pavement Preservation |
| | Pavement Rehabilitation |
| | Pavement Recycling |
| | Preventative Maintenance/OGFC (Open-Graded Friction Course) |
| | Preventative Maintenance/3R |
| | Paving |
| | Subgrade Stabilization (including Material) |
| | Crack Sealing/Surface Restoration |
| | Crack Sealing |
| | Under Drain (Adding or Replacing) |
| | Highway & Bridge Preservation |
| | Interchange Rehabilitation |
| | Miscellaneous Enhancements |
| | |
| 07 | 4R Maintenance-Relocation |
| | same as above but on new alignment |
| | |
| 08 | Bridge New Construction |
| | Bridge Construction (NOT on existing alignment) |
| | |
| 09 | Code Not Used |
| | |
| 10 | Bridge Replacement-Added Capacity |
| | Bridge Deck Replacement with Widening |
| | Bridge Replacement with Widening |
| | |
| 11 | Bridge Replacement-No Added Capacity |
| | Bridge Deck Replacement (no new lanes) |
| | Bridge Replacement (no new lanes) |
| | Bridge Minor Rehabilitation/Preventative Maintenance |
| | |
| 12 | Code Not Used |
| | |
| 13 | Bridge Rehabilitation- Added Capacity |
| | Bridge Rehabilitation with Widening |
| | Bridge Deck Widening (without replacing the existing deck) |
| | Restriping of Existing Deck to Add Lanes |
| | |
| 14 | Bridge Rehabilitation- No Added Capacity |
| | Bridge Deck Rehabilitation |
| | Bridge Rehabilitation |
| | Bridge Repair |
| | Bridge Deck Smoothing |
| | Bridge Approach Corrections |
| | Miscellaneous Bridge Work |
| | |

| Code | FHWA Improvement/Work Type with Examples |
|-------------|--|
| 15 | Preliminary Engineering |
| | Environmental Study |
| | Corridor Studies & Alignment Studies |
| | Preliminary Engineering Studies |
| | Surveying Services |
| | Professional Services |
| | Property Surveys |
| | Right-of-Way Mapping |
| | Location & Environmental Studies |
| | Feasibility & Environmental Studies |
| | Final Environmental Impact Statement (EIS) |
| | Environmental Assessment (EA) |
| | Subsurface Utility Exploration |
| | Final Design |
| | Archaeological Data Recovery |
| | |
| 16 | Right of Way |
| | Access Control |
| | Right-of-Way Acquisition |
| | |
| 17 | Construction Engineering |
| | |
| 18 | Planning |
| | Planning Contract Services |
| | Metropolitan Planning |
| | Traffic Count Program |
| | Traffic Surveys |
| | |
| 19 | Research |
| | |
| 20 | Environmental Only |
| | Archaeological Study |
| | Beautification (as stand-alone project) |
| | |
| 21 | Safety |
| | Lighting for Safety |
| | Fencing |
| | Guardrail- New, Retrofit or Repair |
| | Intersection Safety - Sight Distance |
| | Safety & Pavement Rehab. |
| | Street Lighting |
| | Rumble Strips |
| | Rockfall Mitigation |
| | Signing |
| | Slide Area Repair |
| | Slope Stabilization |
| | Safety Modernization |
| | Signalization - Safety |
| | Pavement Markings |
| | Pedestrian Improvements |
| | Railroad Crossing - Safety Improvements for At-Grade Crossings |
| | Increase Friction Coefficient in Existing Surface |
| | Weight Regulation Enforcement Facilities (Inspection Stations) |
| | Traffic Safety Programs |

| Code | FHWA Improvement/Work Type with Examples |
|-------------|---|
| 22 | Rail/Highway Crossing |
| | Railroad Crossing - Equipment/Hazard Elimination |
| | Improvements to Track Circuit - Modernization of Signal Equipment |
| 23 | Transit |
| | Transit Services |
| | Commuter Rail Operation & Maintenance (O&M) |
| | Commuter Rail Program |
| | Commuter Rail Facilities |
| | Bus Purchases |
| | Park & Ride |
| | Park & Ride Lots |
| | Transit Stations & Stops |
| | Bus Rapid Transit (BRT), Lightrail, Streetcar, Trolley |
| 24 | Traffic Management Engineering (ITS & TSM) |
| | ITS & TSM (Intelligent Transportation Systems & Transportation System Management |
| | ITS - Signalization, Ramp Metering, Real-Time Traveler Information, Digital Message Signs |
| | Traffic Signals |
| | HOV/HOT Lanes, Managed Lanes, Reversible Lanes |
| | H.E.L.P. Trucks |
| | Incident Management |
| | Van Pools/Ride Share - Projects that reduce road use during peak hours |
| | TDM (Travel Demand Management) |
| | Automatic Traffic Recording Devices |
| 25 | Vehicle Weight Enforcement Program |
| | Programs Funding |
| | Special Programs - Saturation Patrols, Targeted Road Blocks |
| 26 | Ferry Boats |
| | Not applicable to New Mexico |
| 27 | Administration |
| | Planning/Administration |
| | Administration of National Recreational Trails Project |
| | Salaries for SRTS Coordinator, Scenic Byway Coordinator |
| 28 | Facilities for Pedestrians & Bicycles |
| | Trails |
| | Bicycle Lanes & Trails |
| | Bicycle/Pedestrian Projects - Bicycle Facilities & Amenities |
| | Sidewalks, Bikeways |
| | Pedestrian Overpass/Underpass |
| | Pedestrian Facilities |
| | Multi-Use Trails & Paths |
| 29 | Acquisition of Scenic Easements & Scenic of Historical Sites |
| 30 | Scenic or Historic highway Programs |
| | Scenic Byways |
| | Scenic Overlook |

| Code | FHWA Improvement/Work Type with Examples |
|-------------|---|
| 31 | Landscaping & Other Scenic Beautification |
| 32 | Historic Preservation (non-transportation buildings) |
| 33 | Rehabilitation & Operation of Historic Transportation Building/Structures/Facilities |
| 34 | Preservation of Abandoned Railway Corridors |
| 35 | Control & Removal of Outdoor Advertising |
| 36 | Archaeological Planning & Research |
| 37 | Mitigation of Water Pollution Due to Highway Runoff NPDES Projects |
| 38 | Safety & Education for Pedestrians/Bicyclists |
| 39 | Establishment of Transportation Museums |
| 40 | Special Bridge |
| 41 | Youth Conservation Service |
| 42 | Training Training Services OJT (On the Job Training) Summer Transportation Institute |
| 43 | Utilities Utility Relocation Utilities |
| 44 | Other (SRTS, SIB Loan Repayments) Border Technology Exchange Program Safety - School Routes SRTS - Safe Routes to School - Flexible Projects SRTS - Safe Routes to School - Infrastructure SRTS - Safe Routes to School - Programs Vehicles SIB (State Investment Bank) Loan Repayment |
| 45 | Debt Service Debt Service GRIP Debt Service Authorization |

Mid-Region Metropolitan Planning Organization – Albuquerque, NM
Transportation Improvement Program (TIP)
Coding for Project FHWA Improvement/Work Types

FHWA Improvement/Work Type Codes

To generate each project's request for the obligation of federal funds all funds must be coded. For projects in the TIP, the data in the STIP database comes from raw data in the Albuquerque TIP database exported to NMDOT. Therefore, codes must be entered for each project's funding amount by the type of work the funding will be used for.

Highlights:

- ALL projects in the TIP must be coded,
- a project may have several work types;
- a particular fund source for a project may have several work types for which the funds will be used for;
- the work type may change as the project advances through development,
- changing a work type is a simple Administrative Modification provided no other changes to the project occur that require a TIP Amendment;
- any time there is a change in funding amounts, the work type and associated amount must be updated if necessary;
- all agencies must provide the MPO with updated project information and notify the MPO when there is a change in work type or change in the amount of funds being utilized for a particular work type;
- all agencies immediately prior to requesting the obligation of federal funds should check the existing work types assigned in the TIP and contact the MPO to make any necessary modifications;
- local and state funds must also be coded;
- **code the funds programmed in a given fiscal year based on what the majority of those funds will be used for (ex. code for reconstruction) even if some of the funds will be used for landscaping, street lights, etc., items which are incidental to the main purpose of the project.**
- see examples

Example #1:

In this example, the roadway is being reconstructed and new street lights are being installed with some new landscaping both of which are incidental to the reconstruction project. Local funds are paying for PE and design so all funds will be obligated at once.

Project: River Street Reconstruction from Maple Ave to 5th Ave

STP-U FY 2013 \$5,000,000 code 04 – Reconstruction, No Added Capacity

Example #2:

In this example, the roadway is being reconstructed and new street lights are being installed with some new landscaping. However, federal funds will be used for PE and those will be obligated earlier.

Project: Clinton Street Reconstruction from 1st Ave to North Ave

STP-U FY 2011 \$ 250,000 code 15 – Preliminary Engineering

STP-U FY 2013 \$5,000,000 code 04 – Reconstruction, No Added Capacity

Example #3:

In this example, the roadway is being reconstructed with new street lights, some landscaping, new sidewalks and new signage, but funds for right-of-way and utilities relocation are being obligated ahead of time so they'll be completed before construction.

Project: Main Street Reconstruction from 1st Ave to 15th Ave

| | | | |
|---------------|---------|--------------|---|
| STP-U | FY 2012 | \$ 250,000 | code 16 – Right-of-Way |
| STP-U | FY 2013 | \$5,000,000 | code 04 – Reconstruction, No Added Capacity |
| Eq. Bonus | FY 2012 | \$1,000,000 | code 43 – Utilities (for relocation) |
| Eq. Bonus | FY 2013 | \$1,950,000 | code 04 – Reconstruction, No added Capacity |
| Local Funds | FY 2013 | \$9,000,000 | code 04 – Reconstruction, No Added Capacity |
| Total Project | | \$17,200,000 | |

Example #4:

In this example, the project is primarily landscaping with improved crosswalks.

Project: Park Ave Landscaping/Ped Impr. from River St to Elm St

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|-------|---------|-------------|--|
| STP-U | FY 2012 | \$1,000,000 | code 31 – Landscaping & Other Scenic Impr. |
|-------|---------|-------------|--|

Example #5:

In this example, the project is primarily sidewalk installation with some minor landscaping.

Project: Gator Ave Sidewalks from Water St to Maple Ave

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|-------|---------|-------------|--------------------------------------|
| STP-U | FY 2012 | \$1,000,000 | code 28 – Facilities for Pedestrians |
|-------|---------|-------------|--------------------------------------|

Example #6:

In this example, the roadway is being reconstructed with new street lights, some landscaping, new sidewalks, new signage, and a new park & ride lot. Funds for right-of-way and utilities relocation are being obligated ahead of time so they'll be completed before construction. Also, one fund source will be used solely for the park & ride lot and some of the landscaping will be paid for with STP-E funds, which is all the STP-E will be used for.

Project: Lake Ave Reconstruction from Ontario St to Niagara St

| | | | |
|---------------|---------|--------------|---|
| STP-U | FY 2012 | \$ 250,000 | code 16 – Right-of-Way |
| STP-U | FY 2013 | \$5,000,000 | code 04 – Reconstruction, No Added Capacity |
| Eq. Bonus | FY 2012 | \$1,000,000 | code 43 – Utilities (for relocation) |
| CMAQ-Mand | FY 2013 | \$4,950,000 | code 23 – Transit (for park & ride lot) |
| STP-E | FY 2013 | \$ 500,000 | code 31 – Landscaping |
| Local Funds | FY 2013 | \$9,000,000 | code 04 – Reconstruction, No Added Capacity |
| Total Project | | \$21,200,000 | |

Example #7:

In this example, the project is primarily purchasing buses and some incidental equipment such as fare boxes.

Project: Metropolis Transit Authority Bus Purchase

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|----------|---------|--------------|---------------------------------------|
| FTA 5307 | FY 2012 | \$11,000,000 | code 23 – Transit (for bus purchases) |
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