

SHIFT 2020 Improvement Types

Improvement Type	SBF	Definition
2 lane to 4 lane divided-Rural	36	The upgrade of an existing two lane highway to a 4 lane divided facility to increase traffic flow.
2 lane to 4 lane divided-Urban	10	The upgrade of an existing two lane highway to a 4 lane divided facility to increase traffic flow.
Access Consolidation	25	Replace TWTL with a divided median cross section with no additional capacity. Add non-traversable median.
Add Lane to Full Control Fac.	25	The addition of a full lane of travel to an Interstate or existing Full Access Controlled facility.
Arterial to Full Control	36	Upgrading a road serving major traffic movements (high-speed, high volume) for travel between major points to a divided arterial highway for the unimpeded flow of large traffic volumes.
Arterial to Partial Control	23	Upgrading a road serving major traffic movements (high-speed, high volume) for travel between major points to alleviate congestion and reduce impediments to traffic flow. Include indirect left turn or similar movements.
Auxiliary Lanes or Oper. Impr.	11	Add continuous auxiliary lane for weaving between entrance ramp and exit ramp or other interchange improvements.
Bike and Pedestrian Improvements	13	Add sidewalk to one side of roadway, add separated mixed use trail to one side of roadway, add bike lane to one or both sides of roadway, add pedestrian signal at signalized intersection
Construct Road in new location	0	Bypass, New Route, New Interchange, Route Relocation. Does not include construction of New local roadways.
Full Control to Interstate	10	Improving an existing freeway to interstate design standards primarily by increasing shoulder width and/or bridge clearances.
Grade Separated to Interchange	0	The addition of ramps to an existing grade separated interchange.
Grade Separation of Highway/Railroad Crossing	90	Construct Grade Separation to Separate two Modes
Improve Intersection	26	Install left turn lane, Install right turn lane, offset Left turns, new signal, etc.
Improve Railroad Crossing	55	Install flashing lights and sound signals and/or automatic gates
Innovative Interchange	40	Improve an interchange by converting the existing interchange to an innovative interchange such as diverging diamond or SPUI (single point urban interchange)
Innovative Intersection	51	Improve an intersection by employing an innovative intersection design such as a roundabout, J turn, restricted crossing U-turn, median U-turn, etc..
Install Cameras and DMS	14	Intelligent Transportation System projects
Install Two-way Left Turn lane	28	Widening existing pavement through addition of Two Left Turn Lane. Typically used in areas where there appears to an issue with turning related crashes such as rear-end and head-on on two lane roads. NOTE: Does not include Road Diets where number of through lanes will be reduced.
Interchange Safety Improvements	35	Improve the safety of an interchange by extending acceleration/deceleration ramps, converting a cloverleaf interchange to a stop controlled interchange, etc.
Local Roadway Improvements	3	The minor widening, primarily increasing shoulder width etc., on local roads or the construction of a new local route to improve local transportation movements. Improvements to be made on County Roads or City Streets.
Maintenance Improvement	10	Drainage improvements, rock fall, landslides, rest area rehab, resurfacing, rock fall mitigation, signs, signals, weigh station rehab

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Major Interchange Reconstruction	32	Reconstruct interchange to reduce conflict points or improve ramp geometry by adding loops or flyovers or replacing loops with directional ramps.
Major Widening-Rural Multilane	34	Widening of existing multilane rural highways to include additional through lanes. Does not include fully controlled-access facilities.
Major Widening-Urban Streets	25	Widening of urban streets to include additional through lanes. Does not include fully controlled-access facilities.
Modernize & Widen Roadway -Rural	26	Realignment or reconstruction to bring geometric (Vertical, horizontal) deficiencies up to modern standards and to provide additional through capacity, including passing lanes or 2+1 configuration.
Modernize Roadway-Rural	26	Realignment or reconstruction to bring geometric (Vertical, horizontal) deficiencies up to modern standards, etc. To include minor Widening of lanes and shoulders, Reconstruction, Safety Hazard eliminations, Spot Improvements, Turn Lanes
Modernize Roadway-Urban	16	Reconstruction of urban roadway without additional through lanes; may include curb and gutter, bike lanes, sidewalks, etc.
Other improvement types	0	Any improvement types not included previously.
Realign Intersection	26	Improving the geometric configuration of multiple adjacent intersections (offset approaches) to enhance traffic flow. Reduce Skew for Intersections, Convert Two 3-Leg Intersections to a 4-Leg Intersection. Improvements may
Road Diet	37	Reconfigure roadway to convert through lanes to a two-way left turn lane. May include bike lanes. Typically is when a 4 lane undivided urban road is converted to a 3 lane section with bike lanes
Transportation Studies	0	Scoping studies, feasibility studies, PE & Environmental, Phase 1 Design, Small Urban Area, Strategic Corridor
Upgrade to Grade Separation	40	Improving an intersection by separating traffic through physical means such as an overpass to allow different flows of traffic. Reduces conflict points and increases capacity of the system.