

Value Engineering (design phase)

Federal-aid highway projects on the National Highway System with an estimated cost of \$25 million or more and bridge projects over \$20 million are required to undergo Value Engineering (VE) analysis. (From *Code of Federal Regulations Title 23, Part 627*)

Value Engineering is defined as the systematic application of recognized techniques by a multi-disciplined team to identify the function of a product or service, establish a worth for that function, generate alternatives through the use of creative thinking, and provide the needed functions to accomplish the original purpose of the project, reliably, and at the lowest life-cycle cost without sacrificing safety, necessary quality, and environmental attributes of the project.

ConnDOT Projects that have had Value Engineering studies done include:

14-157	Amtrak Bridge over US 1, Branford
14-173	Expansion of I-95, Branford & East Haven
15-228/257 & etc.	Reconstruction of I-95, Bridgeport
17-137	Route 72 Relocation, Bristol
18-113	Route 7 Bypass, Brookfield
25-133/136	I-84 Improvements, Cheshire
34-260	Route 7, Danbury
43-122	Expansion of I-95, East Haven
44-151	I-95 Safety Improvements, East Lyme
48-172/173	Route 190 Intersection, Enfield
50-204/144-180	Merritt Parkway Improvements, Fairfield to Trumbull
51-259	I-84 / Route 4, Farmington
53-175	Putnam Bridge, Glastonbury & Wethersfield
53-177	Route 2 Improvements, Glastonbury & Marlborough
58-307/58-317	I-95 Safety Improvements, Groton to RI Line
59-H009	Rehabilitation of I-95, Guilford to Westbrook
63-648	Aetna Viaduct (E.D.), Hartford
82-299	Priority Repairs to the Arrigoni Bridge, Middletown
83-216	Sikorsky Bridge, Milford & Stratford
83-255	I-95 Resurfacing & Safety Improvements, Milford
84-93	Route 34 Stevenson Dam Bridge, Monroe
92-354	I-95/Q Bridge Corridor, New Haven to Branford
92-456	I-91 Exit 8 Ramp, New Haven
92-461	Route 34, New Haven
92-522	I-95 over West River, New Haven
92-Various #'s	I-95/I-91 Q Bridge Projects/New Haven Corridor
102-278/306	I-95 Exits 14 & 15, Norwalk
102-295	I-95 Median & Resurfacing, Norwalk & Westport
117-144	Route 7, Ridgefield
126-159/167	Route 8, Commodore Hull Bridge, Shelton
135-200/229	I-95, Stamford & Darien

Value Engineering (design phase) continued

135-270	Merritt Parkway Safety Improvements, Stamford
138-221/232	I-95 Moses Wheeler Bridge, Stratford & Milford
144-179	Route 25 Paving & Safety Improvements, Trumbull
148-175/179	I-91 Interchange, Wallingford
151-273, 151-274/294	I-84, Waterbury/Cheshire/Southbury
155-145	I-84, West Hartford/Hartford
155-156	I-84 Auxiliary Lanes, West Hartford
156-157	I-95 Interchange, West Haven
171-305	Busway Projects, New Britain/Hartford
301-40	Saga Bridge, Westport
301-40	Walk Bridge, Norwalk
301-88	NHRY Facilities Improvements Projects, New Haven

Updated 11/8/11