

TOWN OF WALLINGFORD

Plans For



Town(s)/City of WALLINGFORD

	MAINTENANCE	
ROAD	RESPONSIBILITY	LENGTH
BRIDGE NO. 04392	TOWN OF WALLINGFORD	350 FEET

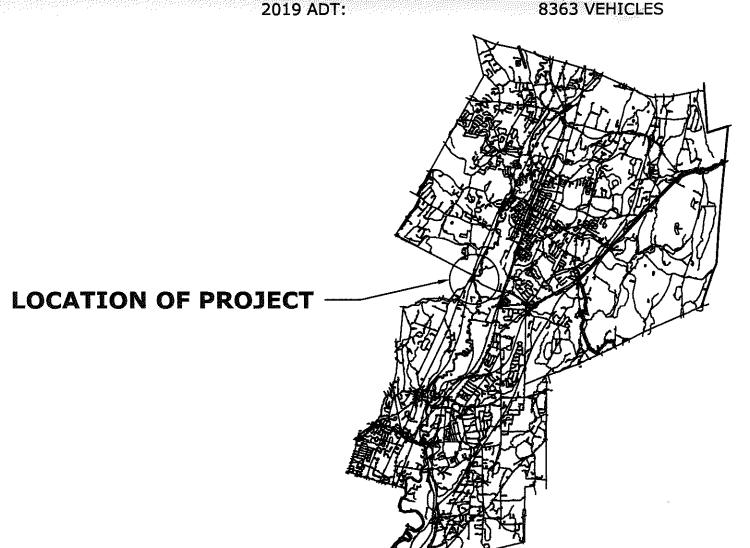
MAINTENANCE F.A.P. # RESPONSIBILITY PROJECT # TOWN OF WALLINGFORD L148-0003

DESIGN CRITERIA

DESIGN STANDARD: CTDOT HIGHWAY DESIGN MANUAL, 2003 EDITION REV. FEB. 2013 **TOELLES ROAD:** FUNCTIONAL CLASSIFICATION: MINOR URBAN COLLECTOR

POSTED SPEED: DESIGN SPEED: 35 MPH

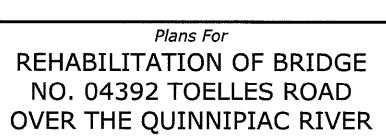
8363 VEHICLES



TOWN OF WALLINGFORD & NORTH HAVEN

NOT TO SCALE STANDARD CONVENTIONS

Riprap & Tree Line Wy Shrub 🎇 Evergreen Tree 🛣 Deciduous Tree{-}} Retaining Wall



BROOK STATE PARK

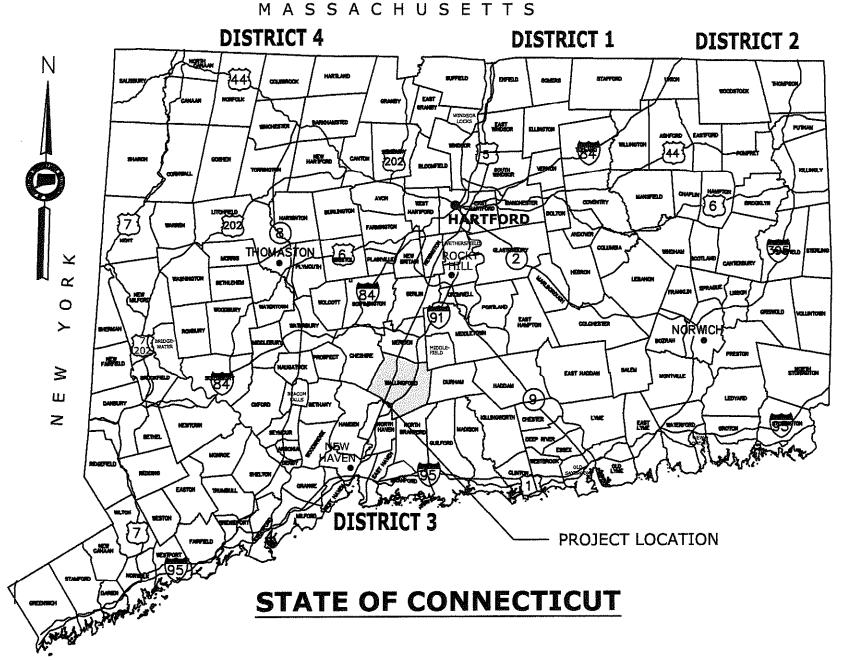
WALLINGFORD

Town(s)/City WALLINGFORD

STATE PROJECT NO.

LOCATION PLAN

G-1 01.01



GENERAL NOTES:

- 1. FEDERAL AID PROJECT NO. (N/A)
- 2. CONSTRUCTION SPECIFICATIONS: Connecticut Department of Transportation, Standard Specifications
 for Roads, Bridges, Facilities and Incidental Construction, Form 819, dated 2024;
 Supplemental Specifications, dated January 2025; and Special Provisions
 3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE
 SYSTEM SYSTEM N.A.D. 1983

- 4. VERTICAL DATUM BASED ON NAVD 1988 5. SURVEYED BY: AI ENGINEERS INC.

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM THE TOWN OF WALLINGFORD.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS ARE NOT AUTHORIZED BY THE TOWN OF WALLINGFORD TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

14

LIST OF SUBSETS THE INITIAL SUBSET SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS *SUBSET SUBSET NO. SUBSET TITLE SHEET COUNT **GENERAL** # 01 **REVISIONS** # 02 **HIGHWAY** # 03 18 STRUCTURE # 04 TRAFFIC 5 # 05 FIO: ENVIRONMENTAL PLANS 13 # 06 FIO: EXISTING BRIDGE DRAWINGS 11 14 FIO: UTILITY SUPPORT PLANS # 08

CTDOT HIGHWAY STANDARD DETAILS

CTDOT TRAFFIC STANDARD DETAILS

LIST OF DRAWINGS **SUBSET 01 - GENERAL** DRAWING TITLE DRAWING NO. Edge Of Road TITLE SHEET G-1 Dirt Road **DETAILED ESTIMATE SHEET** G-2 B.C.L.C. Granite Curb Guide Rail Concrete Median Barrier _____ Bit. Walk

Hedge Row XXXXXXXX

www.aiengineers.com

/IŃCENT CERVONI TOWN ENGINEER - TOWN OF WALLINGFORD DATE 12/8/25 ALISON KAPUSHINSKI, P.E. THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE

LOCATION OF PROJECT

BRIDGE NO. 04392

TOELLES ROAD

WALLINGFORD

HAMDEN

NOT TO SCALE MAYORA TOWN OF WALLINGFORD

BEEN PERSONALLY CHECKED BY THE UNDERSIGNED DESIGNED BY: AI Engineers Rohit Pradhan 12-04-25 919 MIDDLE STREET MIDDLETOWN, CT 06457 Phone: (860) 635-7740 Fax: (860) 635-7312

HIGHWAY ITEMS TRAFFIC ITEMS

ITEM NUMBER	⁰² O ₁ O ₀ ,	00000	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		02150 2001300	02/20,	0304005	y / 03000	0,000	0406/1	7	0400	0.001.34	091003	091030	081189.	20,235	S 0040	0949835	0,000	0.9500,5	095004	096900	2	, 0980 0000	1803300
ITEM	CLEARING AND GRUBBING	EARTH EXCAVATION	CUT BITUMINOUS CONCRETE PAVEMENT	FORMATION OF SUBGRADE	SYSTEM	SEDIMENT CONTROL SYSTEM AT CATCH BASIN	PROCESSED AGGREGATE BASE	PROCESSED AGGREGATE	HMA S1.0	HMA S0.5	MATERIAL FOR TACK COAT	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	GRANITE STONE TRANSITION CURBING	THRIE BEAM BRIDGE ATTACHMENT	METAL BEAM RAIL (R-B MASH)	R-B END ANCHORAGE - TYPE 1	REMOVE METAL BEAM RAIL	FURNISHING AND PLACING TOPSOIL	ACER RUBRUM RED MAPLE 3'- 4' HT. WHIPS B.R.	ACER SACCHARINUM SILVER MAPLE 2''- 2 1/2'' CAL. B.B.	TURF ESTABLISHMENT - NEW ENGLAND MIX	CONSERVATION SEEDING FOR SLOPES	CONSTRUCTION FIELD OFFICE, SMALL	MOBILIZATION AND PROJECT CLOSEOUT	CONSTRUCTION SURVEYING	IMPACT ATTENUATION SYSTEM
UNIT	L.S.	C.Y.	L.F.	S.Y.	L.F.	EA.	CY	TON	TON	TON	GAL	S.Y.	L.F.	EA.	L.F.	EA.	L.F.	S.Y.	EA.	EA.	S.Y.	S.Y.	MO.	L.S.	L.S.	EA.
BRIDGE NO. 04392	L.S.	99	135	235	455	1	358	42	8	134	115	720	20	2	427	1	583	315	3	3	218	98	12	L.S.	L.S.	
SUBTOTAL UNASSIGNED	L.S.	99	135	235	455	1	358	42	8	134	115	720	20	2	427	1	583	315	3	3	218	98	12	L.S.	L.S.	1
TOTAL	L.S.	99	135	235	455	1	358	42	8	134	115	720	20	2	427	1	583	315	3	3	218	98	12	L.S.	L.S.	1

ITEM NUMBER		10:00			4, 003, 000, 000, 000, 000, 000, 000, 00		120g/3	42% (20%)	12/0/2	\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
ITEM	TEMPORARY TRAFFIC BARRIER	TRAFFICPERSON (MUNICIPAL POLICE OFFICER)	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	BARRICADE WARNING LIGHTS - HIGH INTENSITY	CONSTRUCTION BARRICADE TYPE III	PROJECT SIGN	SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	CONSTRUCTION SIGNS
UNIT	L.F.	EST.	HR.	L.S.	DAY	EA.	EA.	S.F.	L.F.	S.F.
BRIDGE NO. 04392	80	1	80	L.S.	1200	4	1	15	710	380
SUBTOTAL	80	1	80	L.S.	1200	4	1	15	710	380
UNASSIGNED										
TOTAL	80	1	80	L.S.	1200	4	1	15	710	380

STRUCTURE ITEMS

ITEM NUMBER	(20g)	1001		1441 040.	47,1	9406,	Market South	900	050°	Top So	4350	\$70°	060,	000	0603	, 4930 0603,	1065	200 / Sep	0,00		K05 80	750m80 150m8
ITEM	COFFERDAM AND DEWATERING	COMPACTED GRANULAR FILL	1/2" PREFORMED EXPANSION JOINT FILLER	HMA S0.5	HMA S0.25	JOINT AND CRACK SEALING IN BITUMINOUS CONCRETE PAVEMENT	SAWING AND SEALING JOINTS	REMOVAL OF EXISTING WEARING SURFACE	REMOVAL OF SUPERSTRUCTURE	ASPHALTIC PLUG EXPANSION JOINT SYSTEM	STEEL-LAMINATED ELASTOMERIC BEARINGS	BRIDGE DECK CONCRETE (SIP FORMS)	PARAPET CONCRETE	APPROACH SLAB CONCRETE	DEFORMED STEEL BARS - GALVANIZED	DRILLING HOLES AND GROUTING DOWELS	TRUSS BRIDGE SUPERSTRUCTURE	STRUCTURAL STEEL	INTERMEDIATE RIPRAP	MEMBRANE WATERPROOFING (COLE LIQUID ELASTOMERIC)	PENETRATING SEALER PROTECTIVE COMPOUND	3 TUBE CURB MOUNTED BRIDGE RAIL
UNIT	L.F.	C.Y.	S.F.	TON	TON	L.F.	L.F.	S.Y.	L.S.	C.F.	EA	C.Y.	L.F.	C.Y.	LB.	EA.	L.S.	LB.	C.Y.	S.Y.	S.Y.	L.F.
BRIDGE NO. 04392	228	40	13	65	33	333	64	532	L.S.	28	4	132	320	48	53510	487	L.S.	2041	31	567	149	240
SUBTOTAL	228	40	13	65	33	333	64	532	L.S.	28	4	132	320	48	53510	487	L.S.	2041	31	567	149	240
UNASSIGNED																						
TOTAL	228	40	13	65	33	333	64	532	L.S.	28	4	132	320	48	53510	487	L.S.	2041	31	567	149	240

					DES
				THE INFORMATION, INCLUDING ESTIMATED	
				QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED	CHE
				INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	
				THE CONDITIONS OF ACTUAL QUANTITIES	
				OF WORK WHICH WILL BE REQUIRED.	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 12/3/2025	1

DESIGNER/DRAFTER:
EH
CHECKED BY:
AG
SCALE AS NOTED

TOWN OF WALLINGFORD

Filename: G-02 DETAILED ESTIMATE SHEET.DWG

SIGNATURE/
BLOCK:

AI Engineers

919 MIDDLE STREET
MIDDLETOWN, CT 06457

REHABILITATION OF BRIDGE NO. 04392 TOELLES ROAD OVER THE QUINNIPIAC RIVER

WALLINGFORD

DRAWING TITLE:

DETAILED

ESTIMATE SHEET

PROJECT NO.

L148-0003

DRAWING NO.

G-02

SHEET NO.