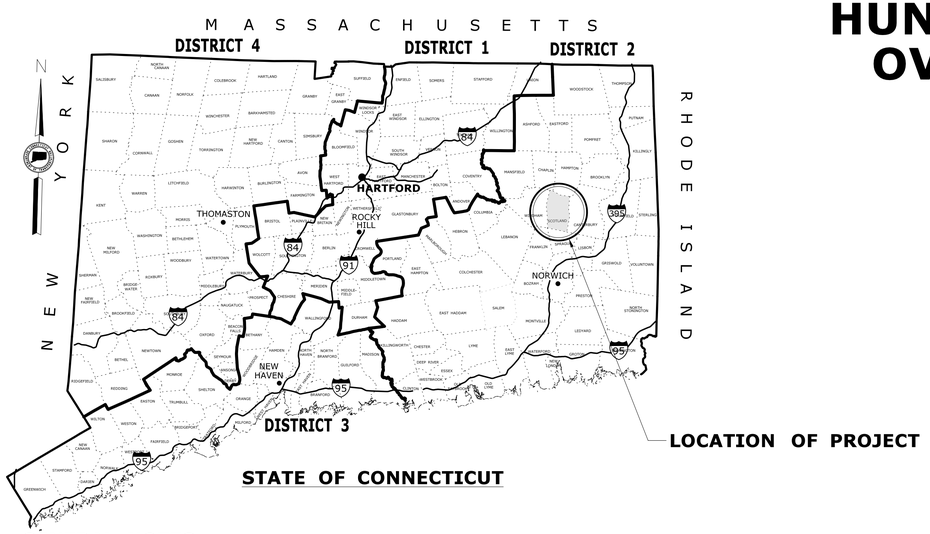
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

REPLACEMENT OF BRIDGE NO. 00681
HUNTINGTON RD. (RTE.14)
OVER MERRICK BROOK

Town of

SCOTLAND



STATE OF CONNECTICUT

ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
Route 14	STATE	400 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
N/A	STATE	0123-0066

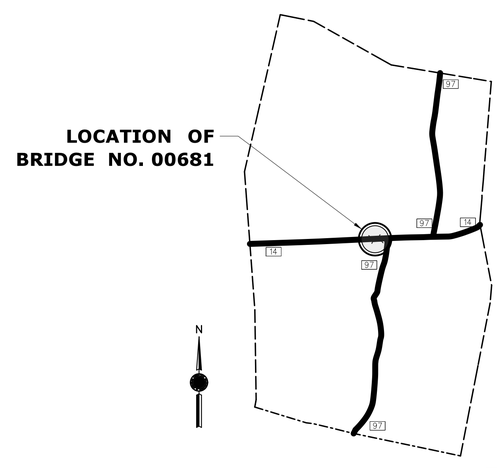
GENERAL NOTES:

1. FEDERAL AID PROJECT NO.: N/A
2. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 817, dated 2016; Supplemental Specifications, dated July 2018; 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: S.CYR
6. ESTIMATED (2015) ADT IS 4400 VEHICLES (3% TRUCK).

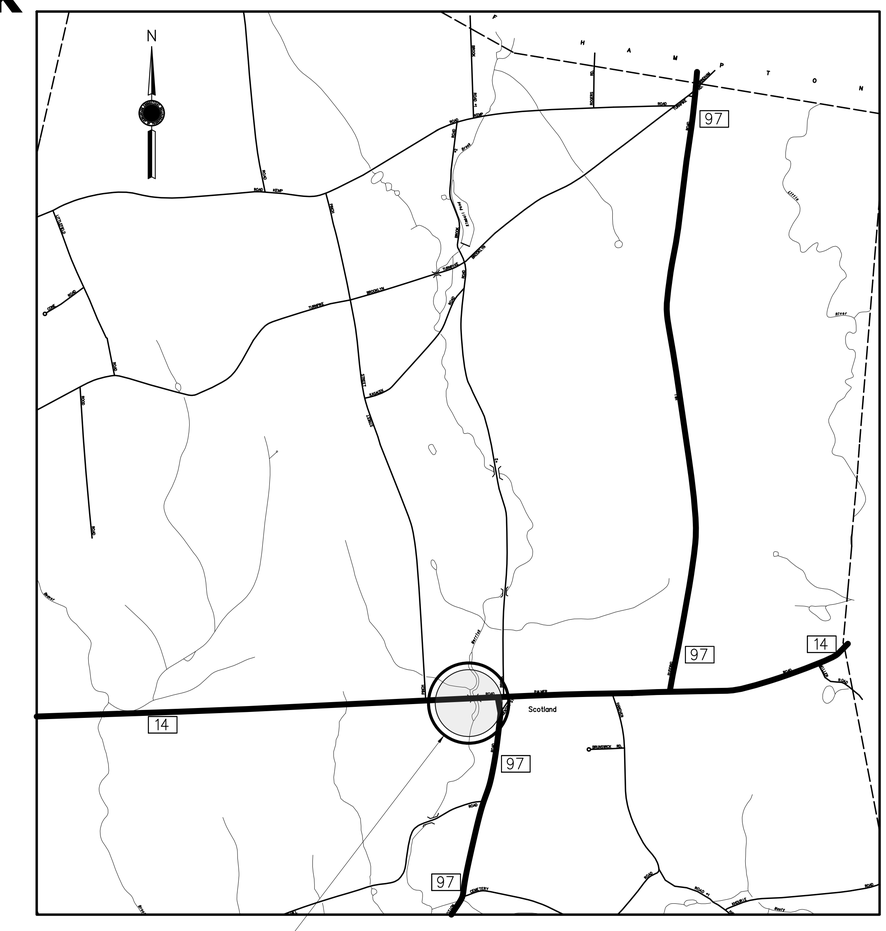
DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE DEPARTMENT.

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



TOWN OF SCOTLAND



LOCATION PLAN
NOT TO SCALE

LIST OF SUBSETS

SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	02
02	REVISIONS	01
03	STRUCTURES	29
04	HIGHWAYS	29
05	TRAFFIC	06
06	LANDSCAPE	02
07	FRONTIER (FIO)	02
	CTDOT HIGHWAY STANDARDS	
	CTDOT TRAFFIC STANDARDS	

*THE INITIAL SUBSET SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS

LIST OF DRAWINGS
SUBSET 01 - GENERAL

DRAWING TITLE	DRAWING NO.
TITLE SHEET	G-1
DETAILED ESTIMATE SHEET	EST-01

STANDARD CONVENTIONS

North Arrow W/No. Coor.
Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Grid Arrow
Limit Of Marsh
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Water Edge
Stream
Ditch
TOWN LINE
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall
Highway Line
Street Line
Property Line
Lot Line
Easement Line

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

Mary E. Baker, P.E.
2019.08.28 13:17:53-04'00'

SUBMITTED BY: TRANSPORTATION PRINCIPAL ENGINEER - MARY E. BAKER, P.E.

Theodore H. Nezames, P.E.
2019.08.29 16:31:20-04'00'

APPROVAL RECOMMENDED BY: MANAGER OF BRIDGES - THEODORE H. NEZAMES, P.E.

Scott Hill, P.E.
for
2019.08.30 07:12:24-04'00'

APPROVED BY: TRANSPORTATION ENGINEERING ADMINISTRATOR

Plans For
REPLACEMENT OF BRIDGE NO. 00681
HUNTINGTON RD. (RTE.14)
OVER MERRICK BROOK

Town(s)/City
SCOTLAND

STATE PROJECT NO.
0123-0066

DRAWING NO.
G-1

SHEET NO.
01.01

ITEM NUMBER	0201001	0202000	0202216A	0202529	0203202	0204001	0204139	0204151A	0205003	0209001	0212000	0213100	0216000	0219001	0286001.10	0406170	0406171	0406173	0406236	0406275A	0503001	0506001	0507224	0514226A	0521001	0586001.10	0586003.10	0586500.10	0586600	0601064	0601091A	0601118	0601121	0601123	0601276A	0601502	0602030	0686000.15	0686000.24	0703011	0703012	0703014A	0703040A	0706001	0706002	0706003	0706004	0707009A
ITEM	CLEARING AND GRUBBING	EARTH EXCAVATION	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	CUT BITUMINOUS CONCRETE PAVEMENT	STRUCTURE EXCAVATION-EARTH(EXCLUDING COFFER-DAM AND DEWATERING)	COFFERDAM AND DEWATERING	COFFERDAM MATERIAL LEFT IN PLACE	HANDLING WATER	TRENCH EXCAVATION 0'-10' DEEP	FORMATION OF SUBGRADE	SUBBASE	GRANULAR FILL	PERVIOUS STRUCTURE BACKFILL	SEDIMENTATION CONTROL SYSTEM	ROCK IN DRAINAGE TRENCH EXCAVATION 0'-10' DEEP	HMA S1	HMA S0.5	HMA S0.25	MATERIAL FOR TACK COAT	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	REMOVAL OF SUPERSTRUCTURE	CONCRETE FOR STEPS AND COPINGS	TYPE "C-L" CATCH BASIN TOP	PRESTRESSED DECK UNITS (3'-0" X 2'-0")	ELASTOMERIC BEARING PAD	TYPE 'C' CATCH BASIN - 0' - 10' DEEP	TYPE 'C' CATCH BASIN DOUBLE GRATE TYPE 1-0' - 10' DEEP	MANHOLE - 0'-10' DEEP	RESET CATCH BASIN	ABUTMENT AND WALL CONCRETE	SIMULATED STONE MASONRY	BRIDGE DECK CONCRETE	PARAPET CONCRETE	APPROACH SLAB CONCRETE	PRECAST SUBSTRUCTURE ELEMENTS	1/2" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	DEFORMED STEEL BARS - GALVANIZED	15" R.C. PIPE - 0'-10' DEEP	24" R.C. PIPE - 0'-10' DEEP	INTERMEDIATE RIPRAP	MODIFIED RIPRAP	ROUNDED RIPRAP	PLACEMENT OF TOE BOULDERS	MICROPILES	VERIFICATION TEST FOR MICROPILES	PROOF TEST FOR MICROPILES	MICROPILE LENGTH ADJUSTMENT	MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)
UNIT	L.S.	C.Y.	C.Y.	L.F.	C.Y.	L.F.	L.F.	L.S.	C.Y.	S.Y.	C.Y.	C.Y.	C.Y.	L.F.	C.Y.	TON	TON	TON	GAL	S.Y.	L.S.	C.Y.	EA.	L.F.	C.I.	EA.	EA.	EA.	EA.	C.Y.	S.Y.	C.Y.	L.F.	C.Y.	C.Y.	S.F.	LB.	L.F.	L.F.	C.Y.	C.Y.	C.Y.	L.F.	EA.	EA.	EA.	L.F.	S.Y.
03 - STRUCTURES			20		400	278	178					303	74											696	28512					8	61	70	157	51	75	108	30000			180		8	24	22	1	2	45	346
04 - HIGHWAYS		444		278					8	849	283			690	6	146	269	21	113	277		3	1			3	1	1	1									102	62		2							
05 - TRAFFIC																																																
06 - LANDSCAPE																																																
SUBTOTAL		444	20	278	400	278	178		8	849	283	303	74	690	6	146	269	21	113	277		3	1	696	28512	3	1	1	1	8	61	70	157	51	75	108	30000	102	62	180	2	8	24	22	1	2	45	346
UNASSIGNED																																																
TOTAL	L.S.	444	20	278	400	278	178	L.S.	8	849	283	303	74	690	6	146	269	21	113	277	L.S.	3	1	696	28512	3	1	1	1	8	61	70	157	51	75	108	30000	102	62	180	2	8	24	22	1	2	45	346

ITEM NUMBER	0708001	0755014	0815001	0822001	0910173	0910300	0911924	0912502A	0912503	0922501	0944000	0949004	0949023	0949695	0950019A	0950040A	0950043A	0952051A	0969062A	0970007	0971001A	0974001	0975004	0976002	0978002	0979003	0980001	0981100	1131002	1206023A	1208931A	1209114	1209124	1210101	1210102	1211001	1220027
ITEM	DAMPPROOFING	GEOTEXTILE (SEPARATION - HIGH SURVIVABILITY)	BITUMINOUS CONCRETE LIP CURBING	TEMPORARY PRECAST CONCRETE BARRIER CURB	R-B 350 BRIDGE ATTACHMENT - VERTICAL SHAPED PARAPET	METAL BEAM RAIL (R-B MASH)	R-B END ANCHORAGE - TYPE II	REMOVE METAL BEAM RAIL (BRIDGE)	REMOVE METAL BEAM RAIL	BITUMINOUS CONCRETE DRIVEWAY	FURNISHING AND PLACING TOPSOIL	ALNUS INCANA, SPECKLED ALDER 4'-5' HT. B.B.	CORNUS SERICEA, RED OSIER DOGWOOD 24" - 36" HT. CONT.	SALIX NIGRA, BLACK WILLOW, 5'-6' HT., B.B.	TURF ESTABLISHMENT - LAWN	CONSERVATION SEEDING FOR SLOPES	WETLAND GRASS ESTABLISHMENT	CONTROL AND REMOVAL OF INVASIVE VEGETATION	CONSTRUCTION FIELD OFFICE, MEDIUM	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	REMOVAL OF EXISTING MASONRY	MOBILIZATION AND PROJECT CLOSEOUT	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	CONSTRUCTION STAKING	42" TRAFFIC CONE	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	REMOVAL OF PAVEMENT MARKINGS	CONSTRUCTION SIGNS
UNIT	S.Y.	S.Y.	L.F.	L.F.	EA.	L.F.	EA.	L.F.	L.F.	S.Y.	S.Y.	EA.	EA.	EA.	S.Y.	S.Y.	S.F.	S.Y.	MO.	HR.	L.S.	C.Y.	L.S.	DAY	EA.	EA.	L.S.	EA.	DAY	L.S.	S.F.	L.F.	L.F.	L.F.	L.F.	S.F.	S.F.
03 - STRUCTURES	71	276						80											9			70															
04 - HIGHWAYS			464	160	3	219	3		267	83	892				892																						
05 - TRAFFIC																				320				600	30	4		30	224		15	800	800	800	800	100	600
06 - LANDSCAPE												15	23	2		260	2500	640																			
SUBTOTAL	71	276	464	160	3	219	3	80	267	83	892	15	23	2	892	260	2500	640	9	320		70		600	30	4		30	224		15	800	800	800	800	100	600
UNASSIGNED																																					
TOTAL	71	276	464	160	3	219	3	80	267	83	892	15	23	2	892	260	2500	640	9	320	L.S.	70	L.S.	600	30	4	L.S.	30	224	L.S.	15	800	800	800	800	100	600

NP= FEDERAL AID NON PARTICIPATING
=FOR INTERNAL USE ONLY
NOT A LEGAL DEFINITION

A = ** See Special Provisions **

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 8/28/2019

DESIGNER/DRAFTER: SPM
CHECKED BY: RIB
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\sb_123-066_Detailed_Estimate_Sheet.dgn

SIGNATURE/BLOCK:
OFFICE OF ENGINEERING
APPROVED BY:

PROJECT TITLE:
REPLACEMENT OF BR. NO. 00681 - HUNTINGTON RD. (RTE.14) OVER MERRICK BROOK

TOWN: SCOTLAND

DRAWING TITLE: DETAILED ESTIMATE SHEET

PROJECT NO. 123-066
DRAWING NO. EST-01
SHEET NO. 01.02