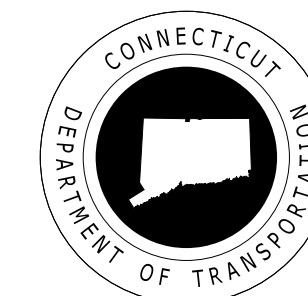
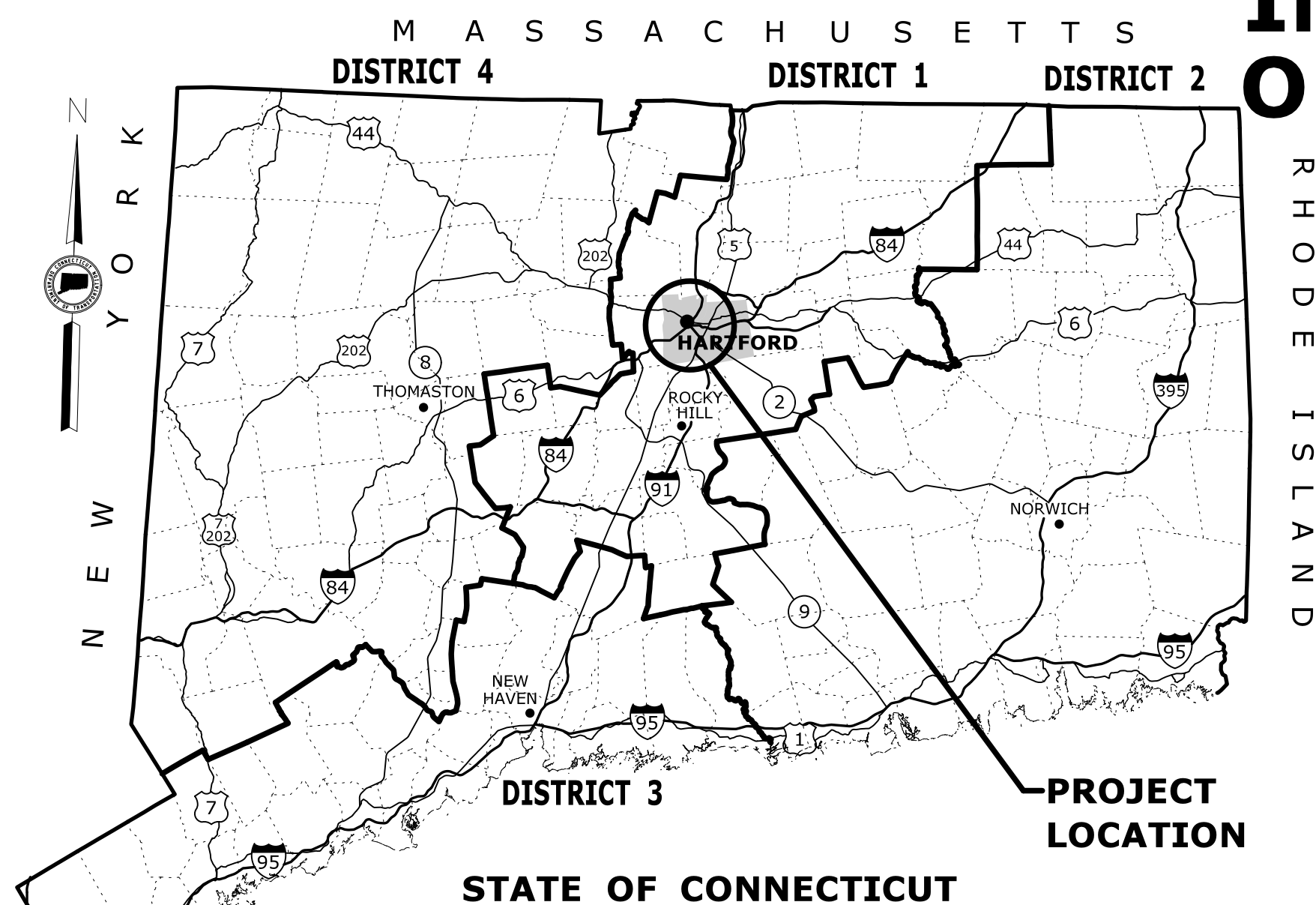


CONNECTICUT DEPARTMENT OF TRANSPORTATION



Plans For RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB

in the CITY OF HARTFORD TOWN OF EAST HARTFORD



GENERAL NOTES:

- FEDERAL AID PROJECT NO. (CN)1063(143)
- CONSTRUCTION SPECIFICATIONS: Connecticut Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 817, dated 2016; Supplemental Specifications dated January 2018, and Special Provisions
- 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983/2011
- VERTICAL DATUM BASED ON NAVD 1988
- SURVEYED BY: SEE GENERAL NOTE NO. 4 ON DRAWING NO. GEN-04

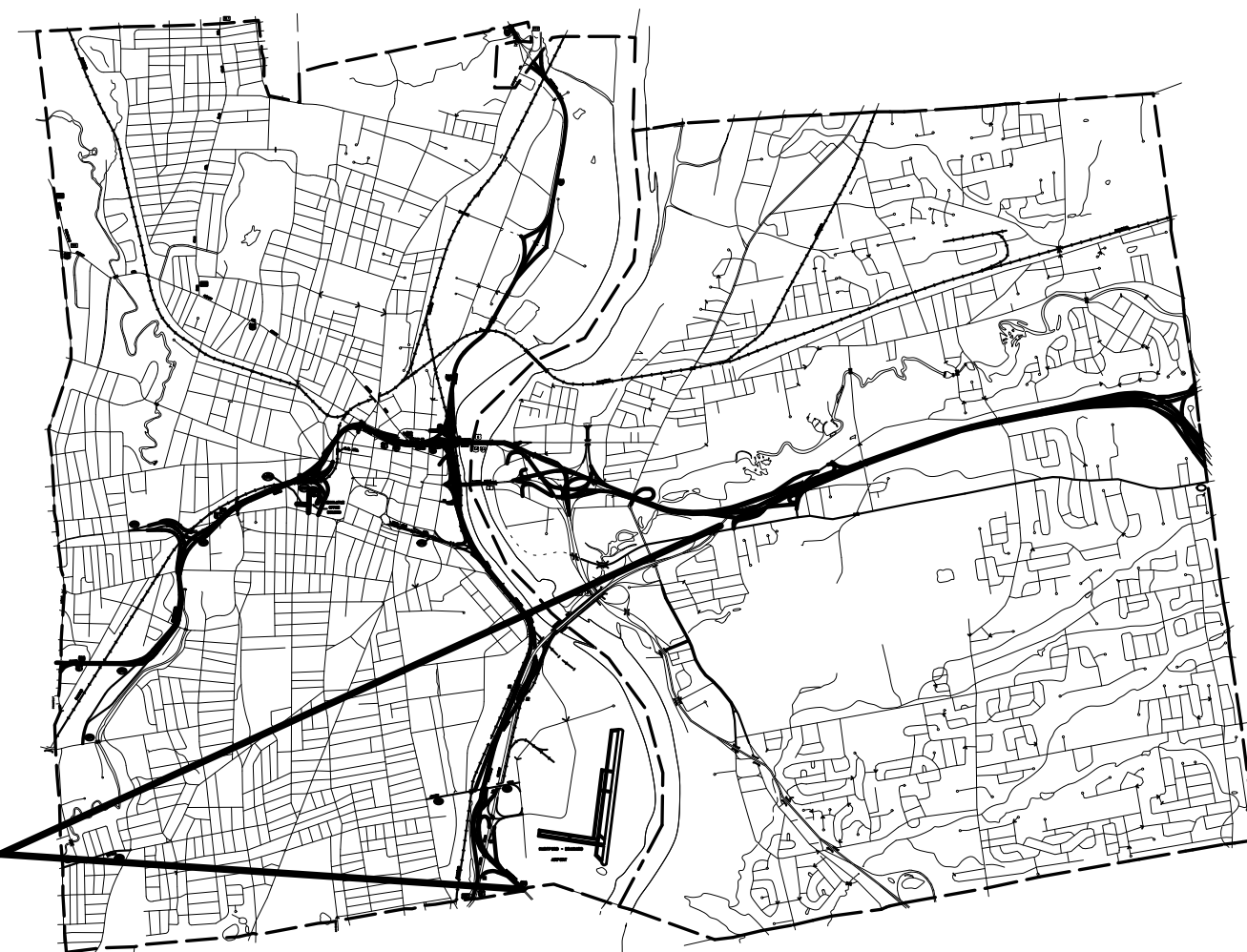
DISCLAIMER

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.

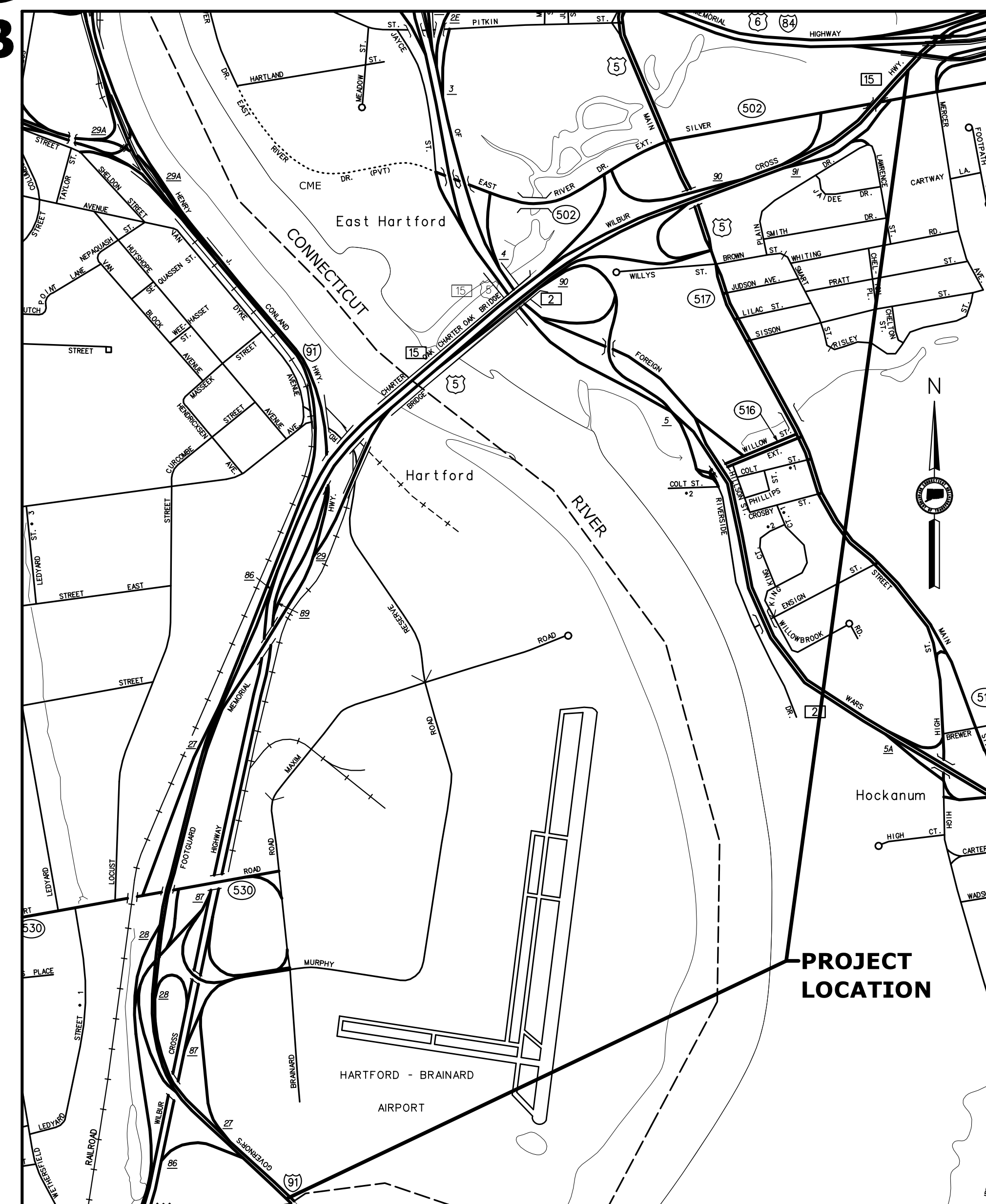
ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
I-91	STATE	8,232 FEET
US 5/ROUTE 15	STATE	12,826 FEET
AIRPORT ROAD (SR 530)	STATE	750 FEET
RESERVE ROAD	CITY OF HARTFORD	650 FEET
MAIN STREET (US 5)	STATE	55 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
(CN)1063(143)	STATE	0063-0703

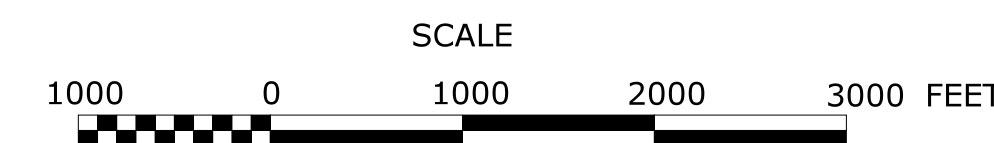


CITY OF HARTFORD TOWN OF EAST HARTFORD

SCALE: 1" = 6,000 FT



LOCATION PLAN



LIST OF VOLUMES		
VOLUME NO.	VOLUME TITLE	*VOLUME SHEET COUNT
01	63-703	1967
02	159-191	663
	HIGHWAY STANDARDS	40
	TRAFFIC STANDARDS	18

LIST OF CHAPTERS		
CHAPTER NO.	CHAPTER TITLE	*CHAPTER SHEET COUNT
01.01	GENERAL	31
01.02	REVISIONS	2
01.03	HIGHWAY	271
01.04	TRAFFIC	254
01.05	INTELLIGENT TRANSPORTATION SYSTEMS	57
01.06	STRUCTURES: BRIDGES AND CULVERTS	459
01.07	STRUCTURES: WALLS	101
01.08	STAGE CONSTRUCTION	382
01.09	HIGHWAY CROSS SECTIONS	274
01.10	RAILROAD	10
01.11	ILLUMINATION	31
01.12	TRAFFIC MONITORING STATIONS	14
01.13	ENVIRONMENTAL COMPLIANCE	27
01.14	LANDSCAPING	37
01.15	UTILITY TP PLANS/FIO	17

DESIGN CRITERIA

DESIGN STANDARD: CTDOT HIGHWAY DESIGN MANUAL, 2003 EDITION, REV. 2013

I-91:
FUNCTIONAL CLASSIFICATION: URBAN PRINCIPAL ARTERIAL-INTERSTATE (FREEWAY)
POSTED SPEED: 55/65 MPH
DESIGN SPEED: 70 MPH

US 5/ROUTE 15:
FUNCTIONAL CLASSIFICATION: URBAN PRINCIPAL ARTERIAL-OTHER EXPRESSWAY (FREEWAY)
POSTED SPEED: 55 MPH
DESIGN SPEED: 70 MPH

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

LIST OF DRAWINGS CHAPTER 01.01 - GENERAL

DRAWING TITLE	DRAWING NO.
TITLE SHEET	GEN-01
INDEX OF CHAPTERS AND SUBSETS	GEN-02 TO 03
GENERAL NOTES AND ABBREVIATIONS	GEN-04 TO 05
INDEX OF PLANS	GEN-06
DETAILED ESTIMATE SHEETS	GEN-07 TO 31

THIS PROJECT IS COMBINED WITH PROJECT 159-191

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



CME Associates, Inc.
101 East River Drive
East Hartford, CT 06108

Plans For
RELOCATION OF I-91 NB
INTERCHANGE 29 AND WIDENING
OF I-91 NB AND ROUTE 5/15 NB
TO I-84 EB

in the
CITY OF HARTFORD
TOWN OF EAST HARTFORD

STATE PROJECT NO.

0063-0703

DRAWING NO.
GEN-01
SHEET NO.
01.01.01.01

VOLUME 1 - INDEX OF CHAPTERS AND SUBSETS

01.01 - GENERAL

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.01.01	TITLE SHEET	1
01.01.02	INDEX OF CHAPTERS AND SUBSETS	2
01.01.03	GENERAL NOTES AND ABBREVIATIONS	2
01.01.04	INDEX OF PLANS	1
01.01.05	DETAILED ESTIMATE SHEETS	25

01.02 - REVISIONS

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.02.01	REVISIONS SUBSET INDEX	1
01.02.02	LIST OF REVISIONS	1

01.03 - HIGHWAY

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.03.01	HIGHWAY SUBSET INDEX	1
01.03.02	TYPICAL SECTIONS	26
01.03.03	MISCELLANEOUS DETAILS	46
01.03.04	SURVEY LAYOUT AND TIE PLANS	8
01.03.05	GEOMETRIC LAYOUT PLANS	20
01.03.06	SUPERELEVATION DIAGRAMS	10
01.03.07	BORING LOCATION PLANS	18
01.03.08	BORING LOGS	20
01.03.09	GEOTECHNICAL MONITORING POINTS	4
01.03.10	HIGHWAY PLANS	21
01.03.11	PROFILES	45
01.03.12	DRAINAGE PLANS	21
01.03.13	SEDIMENTATION AND EROSION CONTROL PLANS	21
01.03.14	MISCELLANEOUS GRADING PLANS	10

01.04 - TRAFFIC

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.04.01	TRAFFIC INDEX OF SUBSETS	1
01.04.02	SIGN CROSS SECTIONS	3
01.04.03	MAINTENANCE AND PROTECTION GENERAL	2
01.04.04	STAGE 1A M&PT PHASES 1 & 2	24
01.04.05	STAGE 1A M&PT PHASE 3	22
01.04.06	STAGE 1B M&PT	22
01.04.07	STAGE 1C M&PT	22
01.04.08	STAGE 1D M&PT	22
01.04.09	STAGE 2 M&PT	23
01.04.10	STAGE 3 M&PT	23
01.04.11	STAGE 4 M&PT	22
01.04.12	SIGNING AND PAVEMENT MARKINGS	26
01.04.13	SIGNING GUIDE SHEETS	5
01.04.14	TEMPORARY TRAFFIC CONTROL	5
01.04.15	OVERHEAD SIGN CROSS SECTIONS	18
01.04.16	DETOUR PLANS	14

01.05 - INTELLIGENT TRANSPORTATION SYSTEMS

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.05.01	INTELLIGENT TRANSPORTATION SYSTEMS SUBSET INDEX	1
01.05.02	IMS CONDUIT MITIGATION PLANS	22
01.05.03	PROPOSED CCTV AND VMS SITE PLANS	6
01.05.04	EXISTING CCTV AND VMS SITE PLANS	4
01.05.05	IMS DETAIL SHEETS	16
01.05.06	CAMERA POLE STRUCTURE PLANS	8

01.06 - STRUCTURE: BRIDGES AND CULVERTS

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.06.01	STRUCTURES: BRIDGES AND CULVERTS SUBSET INDEX	1
01.06.02	BRIDGE NO. 02555	8
01.06.03	BRIDGE NO. 03244	8
01.06.04	BRIDGE NO. 00813	58
01.06.05	BRIDGE NO. 03613	7
01.06.06	BRIDGE NO. 03614	6
01.06.07	BRIDGE NO. 01466	48
01.06.08	BRIDGE NO. 00480	41
01.06.09	BRIDGE NO. 06654	7
01.06.10	BRIDGE NO. 05922	4
01.06.11	BRIDGE NO. 06947	65
01.06.12	BRIDGE NO. 06000A & 06000B	121
01.06.13	BRIDGE NO. 06000C	8
01.06.14	BRIDGE NO. 06043A & 06043B	38
01.06.15	BRIDGE NO. 05796	39

01.07 - STRUCTURE: WALLS

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.07.01	STRUCTURES: WALL INDEX	2
01.07.02	WALL NOS. W103A AND W103B	20
01.07.03	WALL NOS. W104A AND W104B	19
01.07.04	WALL NO. W105	12
01.07.05	WALL NO. W106	17
01.07.06	WALL NO. W107	13
01.07.07	NOISE BARRIER WALLS	9
01.07.08	RETAINING WALL 63-434-103	9

01.08 - STAGE CONSTRUCTION

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.08.01	CONSTRUCTION STAGING/PHASING SUBSET INDEX	1
01.08.02	STAGING GENERAL	10
01.08.03	STAGE 1A PHASE 1 & 2 (PLANS)	9
01.08.04	STAGE 1A PHASE 3 (PLANS, PROFILES, CROSS SECTIONS)	40
01.08.05	STAGE 1B (PLANS, PROFILES, CROSS SECTIONS)	38
01.08.06	STAGE 1C (PLANS, PROFILES, CROSS SECTIONS)	22
01.08.07	STAGE 1D (PLANS, PROFILES, CROSS SECTIONS)	31
01.08.08	STAGE 2 (PLANS, PROFILES, CROSS SECTIONS)	21
01.08.09	STAGE 3 (PLANS, PROFILES, CROSS SECTIONS)	20
01.08.10	STAGE 4 (PLANS, PROFILES, CROSS SECTIONS)	21
01.08.11	FINAL MILL AND OVERLAY	4
01.08.12	TEMPORARY ILLUMINATION	155
01.08.13	TEMPORARY IMS PLANS	10

01.09 - HIGHWAY CROSS SECTIONS

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.09.01	HIGHWAY CROSS SECTIONS SUBSET INDEX	1
01.09.02	CROSS SECTIONS - I-91 NB	159
01.09.03	CROSS SECTIONS - RAMPS	44
01.09.04	CROSS SECTIONS - US 5 / ROUTE 15	49
01.09.05	CROSS SECTIONS - SIDE ROADS	21

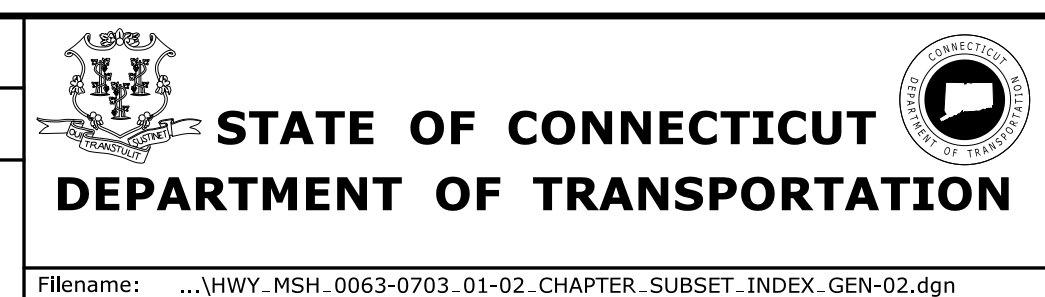
01.10 - RAILROAD

SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.10.01	INDEX OF SUBSETS	1
01.10.02	RAILROAD PLANS	9

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.

DESIGNER/DRAFTER: **KCS**
CHECKED BY: **CLR**



SIGNATURE/BLOCK: **CME Associates, Inc.**
101 East River Drive, 1st Floor
East Hartford, CT 06108


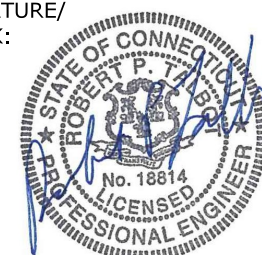
PROJECT TITLE: **RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB**

CITY/TOWN: **HARTFORD EAST HARTFORD**
DRAWING TITLE: **INDEX OF CHAPTERS AND SUBSETS**

PROJECT NO. **63-703**
DRAWING NO. **GEN-02**
SHEET NO. **01.01.02.01**

VOLUME 1 - INDEX OF CHAPTERS AND SUBSETS

01.11 - ILLUMINATION		
SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.11.01	ILLUMINATION SUBSET INDEX	1
01.11.02	ILLUMINATION PLANS SUBSET	30
01.12 - TRAFFIC MONITORING STATIONS		
SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.12.01	TRAFFIC MONITORING STATIONS SUBSET INDEX	1
01.12.02	TRAFFIC MONITORING STATION PLANS	13
01.13 - ENVIRONMENTAL COMPLIANCE		
SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.13.01	ENVIRONMENTAL	27
01.14 - LANDSCAPING		
SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.14.01	LANDSCAPING SUBSET INDEX	1
01.14.02	LANDSCAPING PLANS	18
01.14.03	ENVIRONMENTAL LANDSCAPE PLANS	18
01.15 - UTILITY TP PLANS/FIO		
SUBSET NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.15.01	UTILITY INDEX OF SUBSETS	1
01.15.02	UTILITY TEST PIT PLANS	6
01.15.03	UTILITY RELOCATION PLANS - FIO	10

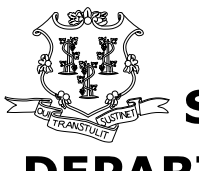
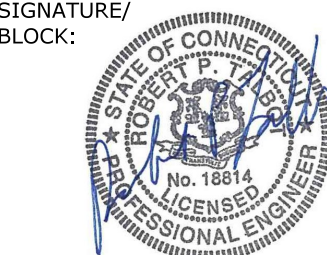
		THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: KCS CHECKED BY: CLR	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK:  CME Associates, Inc. 101 East River Drive, 1 st Floor East Hartford, CT 06108	PROJECT TITLE: RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB	CITY/TOWN: HARTFORD EAST HARTFORD	PROJECT NO. 63-703 DRAWING NO. GEN-03 SHEET NO. 01.01.02.02	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/16/2018	Filename: ...\\HWY_MSH.0063-0703.01-02.CHAPTER_SUBSET_INDEX_GEN-03.dgn				

GENERAL NOTES

1. WORK UNDER THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, FORM 817, THE LATEST SUPPLEMENTAL SPECIFICATIONS, AND SPECIAL PROVISIONS.
2. 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 DEPICT THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH SHALL BE REQUIRED.
3. CONNECTICUT DEPARTMENT OF TRANSPORTATION BIDDING AND OTHER INFORMATION AND DOCUMENTS WHICH ARE OBTAINED THROUGH THE INTERNET, WORLD WIDE WEB SITES OR OTHER SOURCES ARE NOT TO BE CONSTRUED AS OFFICIAL INFORMATION FOR THE PURPOSES OF BIDDING OR CONDUCTING OTHER BUSINESS WITH THE DEPARTMENT.

IT IS THE SOLE RESPONSIBILITY OF EACH BIDDER AND ALL 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 ANY CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION.
4. INITIAL SURVEY AND MAPPING INFORMATION WAS PROVIDED BY QUANTUM SPATIAL, INC., ON 12-20-2014 AND THE CONNECTICUT DEPARTMENT OF TRANSPORTATION DISTRICT 1. SUPPLEMENTAL SURVEY AND MAPPING WAS PROVIDED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION DISTRICT 1 AND CME ASSOCIATES, INC. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. ALL DIMENSIONS AND ELEVATIONS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE SUBMISSION OF WORKING DRAWINGS, PROCUREMENT OF MATERIALS AND START OF CONSTRUCTION. ALL ADJUSTMENTS SHALL BE REVIEWED BY THE ENGINEER.
6. THE CONTRACTOR SHALL IDENTIFY, LOCATE, AND PROTECT ALL EXISTING BOUNDS, MONUMENTS AND BENCH MARKS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER BEFORE ANY DISTURBANCE OR RELOCATION.
7. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PROPERTIES AT ALL TIMES DURING CONSTRUCTION, UNLESS SPECIFIC AGREEMENTS HAVE BEEN MADE AND THE APPROPRIATE RIGHTS AND/OR EASEMENTS HAVE BEEN ESTABLISHED. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING PROPERTY ACCESS AND RIGHTS OF WAY. THE CONTRACTOR SHALL PROVIDE ADEQUATE SIGHT DISTANCE FOR ALL DRIVEWAYS AND OTHER ACCESS POINTS DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL PROPOSE CONSTRUCTION ENTRANCES TO THE ENGINEER FOR APPROVAL BEFORE THE START OF ANY CLEARING OPERATION. CONSTRUCTION ENTRANCES SHALL BE GRADED TO PREVENT RUNOFF FROM ENTERING THE ROADWAY. LOCATION OF ANTI-TRACKING PADS IS SUBJECT TO APPROVAL BY THE ENGINEER. SEE SEDIMENTATION AND EROSION CONTROL DETAILS FOR ADDITIONAL INFORMATION.
9. ALL SLOPES, TEMPORARY OR PERMANENT SHALL RECEIVE TURF ESTABLISHMENT AND/OR SLOPE PROTECTION IN CONFORMANCE WITH SECTION 2.10 WATER POLLUTION CONTROL (SOIL EROSION) OR AS STATED IN THE CONTRACT DOCUMENTS. EROSION AND SEDIMENTATION CONTROLS SHALL CONFORM TO THE CTDEEP'S 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
10. ALL DISTURBED AREAS AND AREAS OF PAVEMENT REMOVAL THAT ARE AT THE FINAL GRADE SHALL RECEIVE TURF ESTABLISHMENT IN CONFORMANCE WITH FORM 817 SECTION 9.50 TURF ESTABLISHMENT, UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER CONSTRUCTION PROJECTS AFFECTING THIS PROJECT. ALL COORDINATION, INCLUDING BUT NOT LIMITED TO MEETINGS, SHALL BE PERFORMED IN ACCORDANCE WITH FORM 817, SECTION 1.05.07. THE COST OF ALL COORDINATION AND MEETINGS IS INCLUDED IN THE OVERALL COST OF THE PROJECT AND NO ADDITIONAL PAYMENTS WILL BE MADE TO THE CONTRACTOR.
12. THE CONTRACTOR IS NOT ALLOWED TO PERFORM ANY ACTIVITIES WITHIN REGULATED AREAS WITHOUT ENSURING PROPER PERMITS ARE IN PLACE.
13. UTILITY RELOCATIONS TO BE PERFORMED BY THE RESPECTIVE UTILITY COMPANIES ARE INCLUDED "FOR INFORMATION ONLY" IN THE UTILITY RELOCATION PLANS - FOI SUBSET. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO ANY WORK AND COORDINATE HIS WORK AND PROJECT SCHEDULE WITH THE UTILITY COMPANY WORK. SUBSTAGES NOT SHOWN ON THESE PLANS MAY BE REQUIRED BY THE CONTRACTOR TO ACCOMMODATE THE REQUIRED UTILITY COMPANY WORK DURING CONSTRUCTION. UTILITY COORDINATION MEETINGS SHALL BE SCHEDULED BY THE ENGINEER AS NEEDED. ALL COORDINATION, INCLUDING BUT NOT LIMITED TO MEETINGS, SHALL BE PERFORMED IN ACCORDANCE WITH FORM 817, SECTION 1.05.06. THE COST OF ALL COOPERATION WITH UTILITIES, INCLUDING COORDINATION AND MEETINGS, IS INCLUDED IN THE OVERALL COST OF THE PROJECT AND NO ADDITIONAL PAYMENTS WILL BE MADE TO THE CONTRACTOR.
14. THE EXISTING UNDERGROUND STRUCTURES AND SERVICES ARE SHOWN AS NEAR THEIR CORRECT POSITION AS POSSIBLE. ALL LOCATIONS ARE APPROXIMATE ONLY AND ALL STRUCTURES OR SERVICES (ACTIVE OR ABANDONED) MAY NOT BE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SUBSURFACE INFORMATION. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" (1-800-922-4455) IN ACCORDANCE WITH STATE REQUIREMENTS. VARIOUS TEST PITS HAVE BEEN PERFORMED WITHIN THE PROJECT CORRIDOR, AND THIS INFORMATION IS SHOWN ON THE UTILITY TEST PIT PLANS. A TEST PIT ITEM HAS BEEN INCLUDED IN THE CONTRACT, IF ADDITIONAL EXPLORATION IS REQUIRED AS APPROVED BY THE ENGINEER.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES NOT DESIGNATED FOR REMOVAL. INCLUDED IN THE COST FOR "CLEARING AND GRUBBING"
16. REFER TO SECTION 1.08 "PROSECUTION AND PROGRESS" FOR LIMITATION OF OPERATIONS AND SPECIAL CONDITIONS ON CONTRACTOR'S WORK.
17. REFER TO SPECIAL PROVISION "MAINTENANCE AND PROTECTION OF TRAFFIC" FOR TYPE OF PAVEMENT MARKINGS TO BE USED DURING THE STAGING OF CONSTRUCTION.
18. AREAS OF ENVIRONMENTAL CONCERN (AOEC) HAVE BEEN IDENTIFIED ELSEWHERE WITHIN THE CONTRACT DOCUMENTS. MATERIAL EXCAVATED IN AOEC REQUIRES SPECIAL HANDLING AS DESCRIBED IN THE SPECIAL PROVISIONS.

 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...VHW_MSH_0063_0703_01-04_GEN_04.dgn		SIGNATURE/ BLOCK:  CME Associates, Inc. 101 East River Drive, 1 st Floor East Hartford, CT 06108		PROJECT TITLE: RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB		CITY/TOWN: HARTFORD EAST HARTFORD		PROJECT NO. 63-703	
DESIGNER/DRAFTER: ZBC		CHECKED BY: CLR		DRAWING NO. GEN-04		SHEET NO. 01.01.03.01		DRAWING TITLE: GENERAL NOTES	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/8/2018					

LIST OF ABBREVIATIONS

Aban. Abandon
 Abut. Abutment
 Acc. Access
 Ah. (AH) Ahead
 Alt. Alternative
 AASHTO American Association of State Highway and Transportation Officials
 Anch. Anchorage
 A.C.C.M.P. Asphalt Coated Corrugated Metal Pipe
 Ave. Avenue
 Ave. Average
 ADT Average Daily Traffic
 Bk. (BK) Back
 B.L. (B) Baseline
 Brg. Bearing
 B.M. (BM) Bench Mrg
 Bit. Bituminous
 BCLC Bituminous Concrete Lip Curb
 BCPC Bituminous Concrete Park Curbing
 Bot. Bottom
 Br. Bridge
 Bldg. Building
 Cbl. Cable
 C.G.R. Cable Guide Rail
 C-I-P Cast In Place
 CIP Cast Iron Pipe
 C.B. Catch Basin
 C.L. Center Line
 CH Chain
 C.L.F. Chain Link Fence
 CMS Changeable Message Sign
 CCTV Closed Circuit Television
 CADD Computer Aided Drafting and Design
 Conc. Concrete
 C.C. Concrete Curbing
 C.C.P. Concrete Cylinder Pipe
 C.B.C. Concrete Median Barrier Curb
 Conn. (CT) Connecticut
 CT DEEP Connecticut Department of Energy and Environmental Protection
 CTDOT Connecticut Department of Transportation
 CHD Connecticut Highway Department
 Const. Construction
 CONTR. Contraction
 Coord. Coordinate
 C.M.P. Corrugated Metal Pipe
 CPC Concrete Park Curbing
 C.P.P. Corrugated Plastic Pipe
 C.S.P.P. Corrugated Structural Plate Pipe
 Cov. Cover
 Operations Center CTDOT Newington Operations Center
 C.F. (CF) Cubic Foot
 C.Y. (CY) Cubic Yard
 C Cut Slope
 DSD Decision Sight Distance
 Deg. (°) Degree
 DOT Department of Transportation
 Desc. Description
 DDHV Design Directional Hourly Volume
 Det. Detour
 Dia. Diameter
 DBL Double
 DG Double Grate
 DMH Drainage Manhole
 D.R.O.W. Drainage Right of Way
 DI Drop Inlet
 Ea. (EA) Each
 ESMT Easement Line
 E.B. (EB) Eastbound
 E.O.P. (EOP), (EOP) Edge of Pavement
 E.O.R. (EOR) Edge of Road
 E.O.T. (EOT) Edge of Travelway
 Elec. (E) Electrical
 Elev. (EL) Elevation
 Ent. (ENT) Entrance
 Eq. (EQ) Equal
 ECL Erosion Control Lining
 Est. Estimate
 Exist. Existing
 E.C.L. Existing Concrete Lined
 Exp. Expansion
 F Fill Slope
 Fnd. (FND) Foundation
 GAL. (GAL) Gallon
 G.G. Gas Gate
 G.V. Gate Valve
 G.C.S.C. Granite Curved Stone Curbing
 G. S. C. Granite Stone Curbing
 G.S.T.C. Granite Stone Transition Curbing
 GRT. Grate
 Gr. Gravel
 G.W. Guy Wire
 H.H. Hand Hole
 Hdr. Header
 HOV High Occupancy Vehicle
 H.P. High Point
 HWY Highway
 HAR Highway Advisory Radio
 HL Highway Line
 Hor. Horizontal

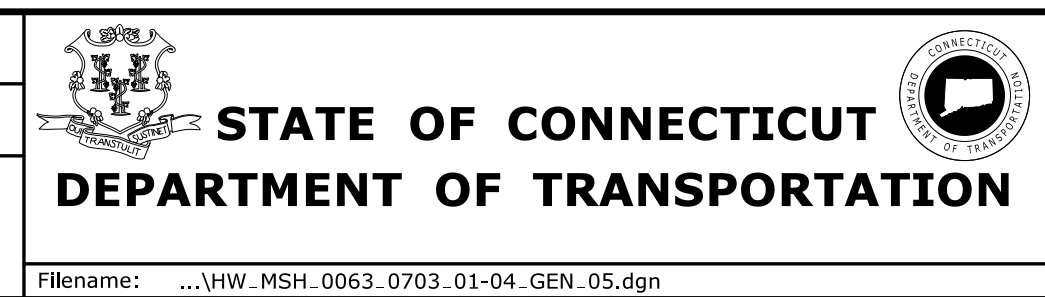
HR. (HR) Hour
 Ho. House
 Hyd. Hydrant
 IMS Incident Management System
 ITS Intelligent Transportation System
 I/C Interchange
 Int. Intermediate
 ISD Intersection Sight Distance
 I-91 Interstate Route 91
 Inv. Invert
 I.P. Iron Pin
 JT Joint
 Lt. (LT) Left
 L.V.C. (LVC) Length of Vertical Curve
 Lamp Light Pole
 L.F. (LF) Linear Feet
 LRFD Load Rating Factor Design
 Loc. Location
 L.P. Low Point
 L.S. (LS) Lump Sum
 M&PT (MPT) Maintenance and Protection of Traffic
 M.H. Manhole
 MUTCD Manual on Uniform Traffic Control Devices
 M.L. Match Line
 Max. Maximum
 M.B.R. (MBR) Metal Beam Rail
 M.C.E. Metal Culvert End
 m Meter
 MDC Metropolitan District Commission
 Min. Minimum
 MVC Minimum Vertical Clearance
 Misc. Miscellaneous
 Mgal (MGAL) 1000 gallons
 Mod. Modified / Modify
 Mo. (MO) Month
 Mon. Monument
 N.A Non-Access
 NAD North American Datum
 NAVD North American Vertical Datum
 N.B. (NB) Northbound
 N. T. S. Not to Scale
 N/F Now or Formerly
 No. Number
 OSTA Office of State Traffic Administration
 Pvmnt. Pavement
 PHV Peak Hourly Volume
 Perf. Perforated
 Perv. Pervious
 Phs. Phase
 P.A.G. Point of Applied Grade
 P.C.C. (PCC) Point of Compound Curvature
 P.C. (PC) Point of Curvature
 P.I. (PI) Point of Intersection
 P.R.C. (PRC) Point of Reverse Curvature
 P.T. (PT) Point of Tangency
 P.V.C. (PVC) Point of Vertical Curvature
 P.V.I. (PVI) Point of Vertical Intersection
 P.V.R.C. (PVRC) Point of Vertical Reverse Curvature
 P.V.T. (PVT) Point of Vertical Tangency
 P.O.C. (POC) Point on Curvature
 P.O.T. (POT) Point on Tangent
 LB Pound
 P.C.B.C. (PCBC) Precast Concrete Barrier Curb
 Prelim. Preliminary
 PD Preliminary Design
 P.G.L. (PGL) Profile Grade Line
 Proj. Project
 P.L. Property Line
 Prop. Proposed
 P.B. Pull Box
 Rad.(R) Radius
 R.R. Railroad
 Ran. Stone Random Stone
 Reconst. Reconstructed
 Rehab. Rehabilitation
 Reinf. Reinforced
 R.C.C.E. (RCCE) Reinforced Concrete Culvert End
 R.C.P. (RCP) Reinforced Concrete Pipe
 Reloc. Relocated
 RTMS Remote Traffic Monitoring Sensors
 Rem. Remove
 Ret.Wall Retaining Wall
 Rev. Revision
 Rt. (RT) Right
 R.O.W. (ROW) Right-of-Way
 Rd. Road
 Rdwy. Roadway
 Rot. Rotate
 Rte. (RTE) Route
 S.M.H. Sanitary Manhole
 S.C.S. Sedimentation Control System
 Sew. (S) Sewer
 Sh. (SH) Sheet
 Shld. Shoulder
 SDWK. Sidewalk
 S.P. Slotted Pipe
 S.B. (SB) Southbound
 Sp. Space

Spec Specification
 S.F. (SF) Square Foot
 S.Y. (SY) Square Yard
 Stg. Stage
 Std. Standard
 S.R. (SR) State Route
 STC State Traffic Commission
 Sta. Station
 SSD Stopping Sight Distance
 Sty. Story
 St. Street
 S.L. Street Line
 Struct. Structure
 T.L. Taking Line
 T. Tangent
 Tele. (T) Telephone
 Temp. Temporary
 T.C.D. Temporary Check Dam
 T.C.B.C. Temporary Precast Concrete Barrier Curb
 TTC Temporary Traffic Control
 TBD To Be Determined
 T.F. Top of Frame
 T.O.R. Top of Road
 T.L. Town Line
 Trans. Transition
 TR Turning Roadway
 Typ. Typical
 U-Drn. Under Drain
 U.S. (US) United States
 Util.Pole (UP) Utility Pole
 VMS Variable Message Sign
 Veh. Vehicle
 Vert. Vertical
 W.G. Water Gate
 WL Wetland Limit
 W.B. (WB) Westbound
 W.F. Wire Fence
 W/ With
 w/o Without
 W.W. Wingwall
 W.F. Wood Frame
 Yr.(YR) Year
 ZOI Zone of Intrusion

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.

DESIGNER/DRAFTER:
ZBC
 CHECKED BY:
CLR



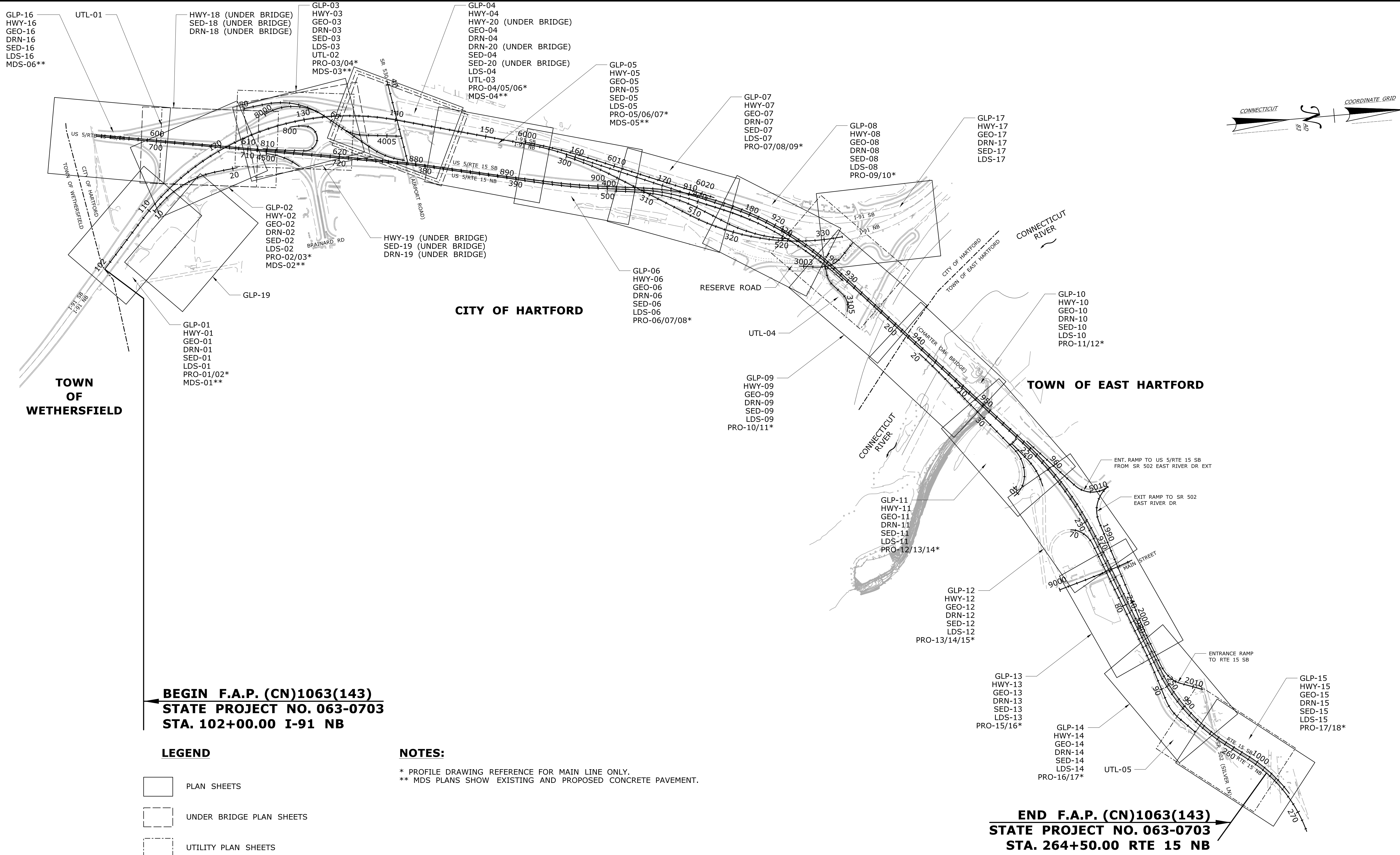
SIGNATURE/BLOCK:

CME Associates, Inc.
 101 East River Drive, 1st Floor
 East Hartford, CT 06108

PROJECT TITLE:
**RELOCATION OF I-91 NB
INTERCHANGE 29 AND WIDENING
OF I-91 NB AND ROUTE 5/15 NB
TO I-84 EB**

CITY/TOWN: **HARTFORD
EAST HARTFORD**
 DRAWING TITLE:
ABBREVIATIONS

PROJECT NO.: **63-703**
 DRAWING NO.: **GEN-05**
 SHEET NO.: **01.01.03.02**



BEGIN F.A.P. (CN)1063(143)
STATE PROJECT NO. 063-0703
STA. 102+00.00 I-91 NB

END F.A.P. (CN)1063(143)
STATE PROJECT NO. 063-0703
STA. 264+50.00 RTE 15 NB

LEGEND

	PLAN SHEETS
	UNDER BRIDGE PLAN SHEETS
	UTILITY PLAN SHEETS

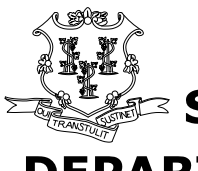
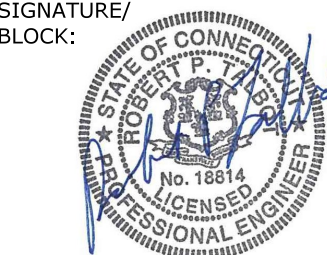
NOTES:

- * PROFILE DRAWING REFERENCE FOR MAIN LINE ONLY.
- ** MDS PLANS SHOW EXISTING AND PROPOSED CONCRETE PAVEMENT.

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.		DESIGNER/DRAFTER: JDL/REM CHECKED BY: GLJ SCALE IN FEET SCALE 1"=500'		 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		SIGNATURE/ BLOCK: CME Associates, Inc. 101 East River Drive, 1 st Floor East Hartford, CT 06108		PROJECT TITLE: RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB		CITY/TOWN: HARTFORD EAST HARTFORD		PROJECT NO. 63-703 DRAWING NO. GEN-06 SHEET NO. 01.01.04.01	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/16/2018									

HIGHWAYS

ITEM NUMBER	ITEM	HIGHWAYS																																																		
		000309A	0201001	0202000	0202452A	0202501	0202502	0202522	0202529	0202574A	0202601A	0202630A	0207150A	0209001	0212000	0213100	0214100	0216012	304002	0401000	0401101	0401152A	0401201	0401202	0401301	0401441	0401442	0406159	0406160	0406170	0406171	0406172	0406173	0406195A	0406236	0406273A	0406275A	0406287A	0406288A	0406600	0415001	0502184A	0601000	0601192A	0712018A	0714050	0751711	0751831	0811001	0811101		
UNIT	ITEM	EA	LS	CY	EA	LF	SY	SY	LF	EA	LS	CY	SY	CY	CY	CY	CY	CY	CY	SY	CY	EA	LF	EA	SF	SF	TON	TON	TON	TON	TON	TON	LF	GAL	SY	SY	LF	LF	TON	SY	LS	CY	SY	SF	SF	LF	LF	LF	LF			
HWY-01				4235					3240	1				7586	1140			2597									2121	2222							4640	5100		2121			84		27759									
HWY-02				3362	65	4724	352	2420						7865	885	299		2174	258	775	13	312	61	250	8	4	1687	1548					835		3428	3894		1687	16		23		24458					20				
HWY-03				6505	60	3958	380	3509						21167	632	654		6591	300	899	154	392	60	224	14	4	3915	3764					1558	4040	6817		3915	59		50		12456						52				
HWY-04				2847				2962						5003	350			1614	519	1556		683	27	390	14	2	1508	974					997		3948	5926		1508	32		27		6797					20				
HWY-05				3776				3057						6008	471			1777	389	1166	176	518	40	230	18	4	2055	1359					1707	1772	6000		2055			32		3580										
HWY-06				5370			504	5085				205	10439	1229	7		3682										5273	3604					8771	1542	9066	1900	5273			91		18027					20					
HWY-07				16416			3221	3153				4025	13359	561	130		4633										6742	5333					9464	1845	7715	2418	6742			37						26						
HWY-08				11523			4658	1698	1			2183	10690	462	328		3706										4757	4148					6020	551	5840	1420	4757			28						40						
HWY-09				200				427					183	61													511						6020	551	5840	1420	4757										276	86				
HWY-10																																																				
HWY-11				1096				1760					2231	325			773										2291	721					6177		2662		2291			24												
HWY-12				4217				3215					6240	569			2139											2612	1833					4533		6689		2612			43											
HWY-13				3070				3412					5193	8	470		1749										2948	1939	8	6	905			3988	14123	4498		3859			36											
HWY-14				2490				2697					6522	984	244		1281										2978	2390					4423		5167		2978			18												
HWY-15				743				641					1293			4	431										1223	520					2961		3217		1223						200									
HWY-16				444				997					707	174			278										836	176					2471		2811		836			13												
HWY-17																																																				
HWY-18				6307				457					6961	328			2369										2172	2535					1256		16229		2172			24									32			
HWY-19				2261				595					2984	846			161										1058	1046					1081				1058													38		
HWY-20				4854				733					5025	1605			86										558	782	1005	1005																			14			
PROJECTWIDE	1	LS		45						11	LS																																									
SUBTOTAL	1	LS	79716	45	125	8682	9115	40058	2	11	LS	6413	119456	5021	7276	465	4	36041	1466	4396	343	1905	202	1094	54	14	45245	34894	1013	1206	905	4412	32000	85000	54410	43427	92031	5738	47239	107	LS	530	875	93076	200	276	86	14	248			
UNASSIGNED			3984		5	318	85	942	2			87	544	79	24	35	1	1859	34	4	7	95	13	56	6	1	255	106	87	44	5	88			590	73	19	262	261	3			20		24			1	52			
TOTAL	1	LS	83700	45	130	9000	9200	41000	4	11	LS	6500	120000	5100	7300	500	5	37900	1500	4400	350	2000	215	1150	60	15	45500	35000	1100	1250	910	4500	32000	85000	55000	43500	92050	6000	47500	110	LS	550	875	93100	200	276	86	15	300			

<p>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.</p>	<p>DESIGNER/DRAFTER: MCS</p> <p>CHECKED BY: CLR</p>	 <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...VHW_MSH_0063_0703_01-06_EST-HWY.dgn</p>	 <p>CME Associates, Inc. 101 East River Drive, 1st Floor East Hartford, CT 06108</p>	<p>PROJECT TITLE: RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB</p>	<p>CITY/TOWN: HARTFORD EAST HARTFORD</p> <p>DRAWING TITLE: DETAILED ESTIMATE SHEET</p>	<p>PROJECT NO.: 63-703</p> <p>DRAWING NO.: GEN-07</p> <p>SHEET NO.: 01.01.05.01</p>
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted Date: 8/21/2018

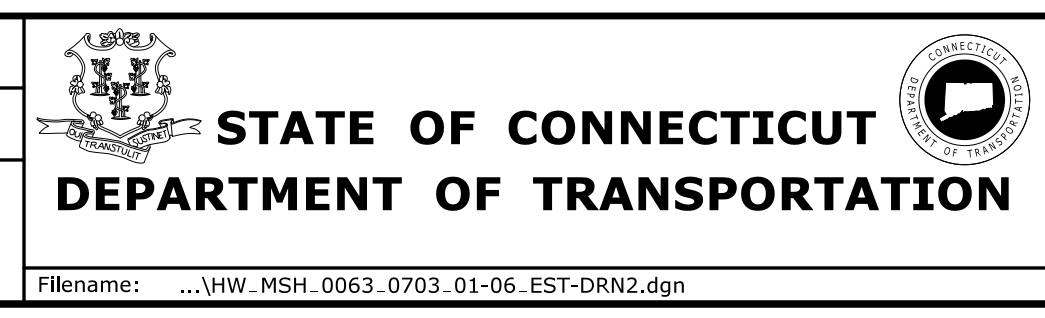
DRAINAGE

ITEM NUMBER	ITEM	DRAINAGE																																	
		0601000	0651686	0651694	0651733	0653002A	0653102A	0686000.12	0686000.15	0686000.18	0686000.24	0686000.30	0686000.36	0686001.15	0686002.15A	0686002.18A	0686230.12	0686230.15	0686230.24	0686231.12	0686231.15	0686231.18	0686231.24	0686700.18	0686720.15A	0686900	0686950.10	0686950.20	0703011	0703012	0728030	0755010	0803010	0950039	0974106A
UNIT	CY	EA	EA	EA	LS	EA	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	LF	LF	CY	CY	CY	SY	SY	SY	SY	LS		
DRN-01 / SED-01	2						105													86			4		68	144	2	118	384						
DRN-02 / SED-02	4					1	466	533														5	103		26		46	310		1965					
DRN-03 / SED-03	4		1				1047	117	183										73			7	125	62	19	147	65	471		1345					
DRN-04 / SED-04	2						150	149	106													5		76	17	2	140	304		2645					
DRN-05 / SED-05	4						240	621	373								31		18			6	133		7	9	284	607							
DRN-06 / SED-06	2	1					415	601	436	24			64				37	19				9			3	5	392	803		281					
DRN-07 / SED-07	7						14	763	761	727	278		62									5	385		14			27	34	2278					
DRN-08 / SED-08				1			4	461	450													1	1	282					22	3946					
DRN-09 / SED-09																																			
DRN-10 / SED-10																						2												80	
DRN-12 / SED-12	2		1				66		50													67		78			4	11	260	560			1976		
DRN-13 / SED-13							248																										121		
DRN-14 / SED-14							127	367	76	369	499											1	32										190		
DRN-15 / SED-15	2						33					5										2					13	81	201						
DRN-16 / SED-16																																			
DRN-17 / SED-17																																			
DRN-18 / SED-18	2						499															1					4								
DRN-19 / SED-19	8						28	157	82													2	28		60	9		8		634					
DRN-20 / SED-20													94	97																			395		
PROJECTWIDE					LS																													LS	
SUBTOTAL	39	1	2	1	LS	1	856	5374	3318	1142	647	504	126	94	97	97	92	18	81	332	117	130	1	2	50	1088	206	298	223	1386	3675	56	15856	LS	
UNASSIGNED	2						43	269	166	57	32	25	4	5	5	5	5	1	4	17	6	7				54	10	15	11	69	184	2	793		
TOTAL	41	1	2	1	LS	1	899	5643	3484	1199	679	529	130	99	102	102	97	19	85	349	123	137	1	2	50	1142	216	313	234	1455	3859	58	16649	LS	

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER/DRAFTER: **GPR**
 CHECKED BY: **CLR**




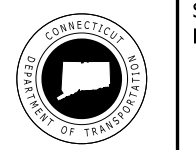

SIGNATURE/BLOCK:
CME Associates, Inc.
 101 East River Drive, 1st Floor
 East Hartford, CT 06108

PROJECT TITLE:
**RELOCATION OF I-91 NB
INTERCHANGE 29 AND WIDENING
OF I-91 NB AND ROUTE 5/15 NB
TO I-84 EB**

CITY/TOWN: **HARTFORD
EAST HARTFORD**
 DRAWING TITLE: **DETAILED
ESTIMATE SHEET**

PROJECT NO. **63-703**
 DRAWING NO. **GEN-11**
 SHEET NO. **01.01.05.05**

ITEM NUMBER	01.04.05 STAGE 1B M&PT																						
	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	42" TRAFFIC CONE	HIGH MOUNTED INTERN ILLUMINATED FLASHING ARROW	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	REMOVAL OF EXISTING OVERHEAD SIGNING	REMOVAL AND RELOCATION OF EXISTING SIGNS	REMOVAL AND RELOC. OF EXISTING OVERHEAD SIGNS	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 6" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 8" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 12" WHITE	HOT-APPLIED PAINTED PAVEMENT LEGEND, ARROWS AND MRKGS	6" BLACK AGGREGATE COVER-UP RESIN PAVEMENT MARKINGS	8" BLACK AGGREGATE COVER-UP RESIN PAVEMENT MARKINGS	10" BLACK AGG. COVER-UP RESIN PAVEMENT MARKINGS	14" BLACK AGG. COVER-UP RESIN PAVEMENT MARKINGS	CONSTRUCTION SIGNS
UNIT	HR	LS	DAY	EA	EA	EA	EA	DAY	DAY	LS	LS	LS	LF	LF	LF	LF	LF	SF	LF	LF	LF	LF	SF
MPT1B-01							4																70
MPT1B-02			180																				60
MPT1B-03			180																				32
MPT1B-04			180										1840	3805					5645				32
MPT1B-05												2579	3784	95	1401		60	4207	44	789			32
MPT1B-06	480		360	74		3						2357	2436		191	56		4311				112	
MPT1B-07			360									881	878	268				380	95			50	
MPT1B-08			360									1997	1999	842				2011	591			74	
MPT1B-09			180									3462	2284	1377	2145			4221	1062	1212		75	
MPT1B-10			360									3086	3103	1185	1013	26		4912	1146	912	48	64	
MPT1B-11			180									1330	1336	300	747	99		2680	300	736	99	60	
MPT1B-12												1150	1152	289	1084	153		2303	289	1125	146		
MPT1B-13												2279	2125	424	530			4412	422	522		16	
MPT1B-14												1041	1042	260				2088	261			72	
MPT1B-15												71	71	18				142	18			16	
MPT1B-16																						40	
MPT1B-17							4																
MPT1B-18			360		27		4	90	90			1481	2146	80	1874			1328	67	1047		258	
MPT1B-19			360									1060	1124	52	400			1862				126	
MPT1B-20			810																			229	
MPT1B-21												18	18	15	18			16	13			16	
SUBTOTAL	480	LS	3870	74	27	3	12	90	90	LS	LS	LS	24632	27303	5205	9403	334	60	40518	4308	6343	293	1434
UNASSIGNED	24		194	4	2		1					1232	1366	260	471	17	3	2026	215	318	15	72	
TOTAL	504	LS	4064	78	29	3	13	90	90	LS	LS	LS	25864	28669	5465	9874	351	63	42544	4523	6661	308	1506

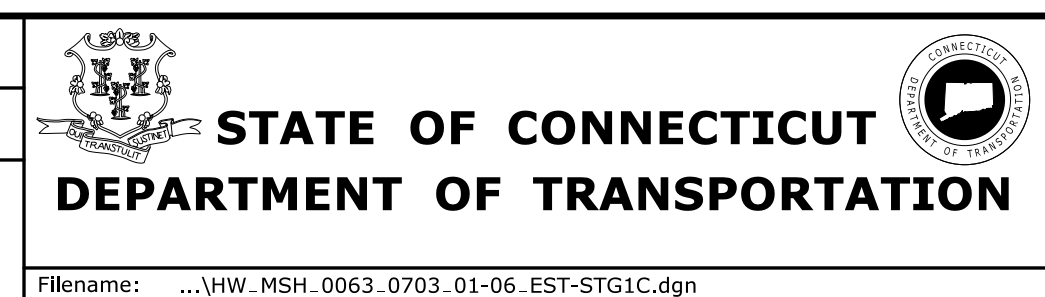
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/16/2018	DESIGNER/DRAFTER: MCS	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	 SIGNATURE/ BLOCK:	 CME Associates, Inc. 101 East River Drive, 1 st Floor East Hartford, CT 06108	PROJECT TITLE: RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB	CITY/TOWN: HARTFORD EAST HARTFORD	DRAWING TITLE: DETAILED ESTIMATE SHEET	PROJECT NO. 63-703	DRAWING NO. GEN-14	SHEET NO. 01.01.05.08
					CHECKED BY: CLR									

ITEM NUMBER	ITEM	01.04.06 STAGE 1C M&PT																						
		0970007	0971001A	0976002	0977001	0978002	0979003	0981100	1130000	1131002	1206011A	1206023A	1206025A	1209114	1209124	1209126	1209128	1209129	1209131	1216020	1216021	1216022	1216023	1220027
UNIT	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	42" TRAFFIC CONE	HIGH MOUNTED INTERN. ILLUMINATED FLASHING ARROW	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	REMOVAL OF EXISTING OVERHEAD SIGNING	REMOVAL AND RELOCATION OF EXISTING SIGNS	REMOVAL AND RELOC. OF EXISTING OVERHEAD SIGNS	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 6" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 8" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 12" WHITE	HOT-APPLIED PAINTED PAVEMENT LEGEND, ARROWS AND MRKGS	6" BLACK AGGREGATE COVER-UP RESIN	8" BLACK AGGREGATE COVER-UP RESIN	10" BLACK AGGREGATE COVER-UP RESIN PVT. MRKGS	14" BLACK AGGREGATE COVER-UP RESIN PVT. MRKGS	CONSTRUCTION SIGNS	
MPT1C-01							4																	98
MPT1C-02			180																					32
MPT1C-03			360													23								64
MPT1C-04													2558	2740		248				5645				
MPT1C-05					7								2865	3503	204	664			2560	95	870			32
MPT1C-06	480		270	74									1968	2517				60	4794		191	56	123	
MPT1C-07			540										1094	1095	173				1759	268				82
MPT1C-08			360										2001	2002	306				3996	843				74
MPT1C-09			180										3709	3007	1032	1831	34		4865	921	2145			40
MPT1C-10													3601	3635	856	1267	371		2816	604	533	26		
MPT1C-11													2553	2551	302	768	401					99		
MPT1C-12													2300	2300	289	1088	248					153		
MPT1C-13													3475	3326	544	1273								16
MPT1C-14			360										2658	2641	265	250	51		2083					227
MPT1C-15													2215	2217	275	1110	410		142	18				
MPT1C-16			180										2656	2645	547	749	113							134
MPT1C-17			360										1770	1772	239									145
MPT1C-18			720				4						1503	1209		615			1076	80	1472			253
MPT1C-19			360				4						1021	890					1117					126
MPT1C-20			810												117									229
MPT1C-21													18	18	18		4							16
SUBTOTAL	480	LS	4680	74	7		12			LS	LS	LS	37965	38185	5050	9886	1632	60	30853	2829	5211	334	1691	
UNASSIGNED	24		234	4	1		1						1899	1910	253	495	82	3	1543	141	261	17	85	
TOTAL	504	LS	4914	78	8		13			LS	LS	LS	39864	40095	5303	10381	1714	63	32396	2970	5472	351	1776	

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER/DRAFTER:
MCS
CHECKED BY:
CLR



SIGNATURE/BLOCK:

CME Associates, Inc.
101 East River Drive, 1st Floor
East Hartford, CT 06108

PROJECT TITLE:
RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB

CITY/TOWN:
HARTFORD EAST HARTFORD
DRAWING TITLE:
DETAILED ESTIMATE SHEET

PROJECT NO.
63-703
DRAWING NO.
GEN-15
SHEET NO.
01.01.05.09

Main table with columns for ITEM NUMBER, ITEM, UNIT, and various construction items like TRAFFICPERSON, MAINTENANCE AND PROTECTION OF TRAFFIC, BARRICADE WARNING LIGHTS, etc. Includes rows for MPT2-01 through MPT2-22 and summary rows for SUBTOTAL, UNASSIGNED, and TOTAL.

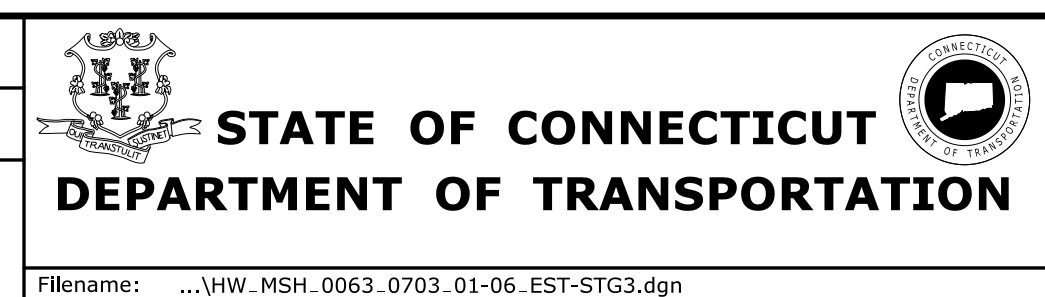
Footer section containing revision table, designer/drafter information (MCS, CLR), state of connecticut department of transportation logo, signature block for CME Associates, Inc., project title (RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB), and sheet information (HARTFORD EAST HARTFORD, DETAILED ESTIMATE SHEET, GEN-17, 01.01.05.11).

ITEM NUMBER	ITEM																								
		097007	0971001A	097602	0977001	0978002	0979003	0981100	1130000	1131002	1206011A	1206023A	1206025A	1209114	1209124	1209126	1209128	1209129	1209131	1216020	1216021	1216022	1216023	1220027	
UNIT		HR	LS	DAY	EA	EA	EA	EA	DAY	DAY	LS	LS	LS	LF	LF	LF	LF	LF	SF	LF	LF	LF	LF	SF	
MPT3-01				730				4																113	
MPT3-02				730									555	555	139		139				1110	278		139	72
MPT3-03				1460									1119	1116	559	800	179				3143	560	164	238	72
MPT3-04				730									3450	3115	1100	338					5339	550	607		73
MPT3-05				730		7							4324	4252	890	2193	59				4385	553		66	72
MPT3-06				1460	74	27							3398	3104	1053	232					2194	553		22	110
MPT3-07				2190		14							2045	2041	1010		161				1998	500			56
MPT3-08													3468	3683	1807	1435	161				2007	721	784	105	64
MPT3-09				1460									4314	4008	1677	2010	61				7325	609	619		32
MPT3-10				730									3583	3619	1431	1271	287				7220	856		92	
MPT3-11													2557	2556	601	1212	337				6838	633	1986	32	
MPT3-12													2996	2983	576	1371	232				4600	576	600	502	16
MPT3-13													3465	4732	575	140					6576	690	1605	185	187
MPT3-14				2920									2204	2280	525	247	57				5283	550	305	20	
MPT3-15													2776	2757	550	810	305				5248	550	1389	269	198
MPT3-16				2920									2630	2620	548	927	93				5467	545	979		185
MPT3-17				730			4						1769	1748	437						2962	279			174
MPT3-18				730			4						1483	1178	276	632					1095		213		138
MPT3-19				1460									439	439	80						675				128
MPT3-20				2920																					79
MPT3-21													18	18											64
MPT3-22		480		1460									1170	2015											
SUBTOTAL		480	LS	23360	74	48		12		LS	LS	LS	47763	48819	13834	13618	2071			73465	9003	9251	1670	1833	
UNASSIGNED		24		1168	4	3		1					2389	2441	692	681	104			3673	450	463	84	92	
TOTAL		504	LS	24528	78	51		13		LS	LS	LS	50152	51260	14526	14299	2175			77138	9453	9714	1754	1925	

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER/DRAFTER:
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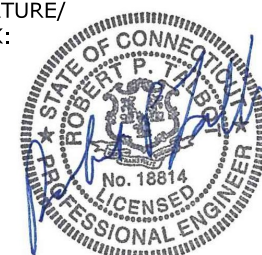
CME Associates, Inc.
101 East River Drive, 1st Floor
East Hartford, CT 06108

PROJECT TITLE:
**RELOCATION OF I-91 NB
INTERCHANGE 29 AND WIDENING
OF I-91 NB AND ROUTE 5/15 NB
TO I-84 EB**

CITY/TOWN:
**HARTFORD
EAST HARTFORD**
DRAWING TITLE:
**DETAILED
ESTIMATE SHEET**

PROJECT NO.
63-703
DRAWING NO.
GEN-18
SHEET NO.
01.01.05.12

ITEM NUMBER	ITEM	ITEM DESCRIPTIONS																							
		0971001A	0978002	0977001	0978002	0979003	0981100	1130000	1131002	1206011A	1206022A	1206025A	1209114	1209124	1209126	1209128	1209129	1209131	1216020	1216021	1216022	1216023	1220027		
UNIT		LS	DAY	EA	EA	EA	DAY	DAY	LS	LS	LS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
MPT4-01			2190									324	24	162											
MPT4-02												2266	2166	935		181			1110	139		139			
MPT4-03												1867	2245	1244	670	257			2235	559	800	179			
MPT4-04												2579	2468	1761	875				3185	723	338		33		
MPT4-05												2197	2228	1219	268				4004	638	423	59	32		
MPT4-06			730	74								2205	2190	1103	1020	132			2180	598	232		78		
MPT4-07			730									2399	2400	1410	340	250			3277	511		161	56		
MPT4-08												3705	3813	1637	3233	162			5812	1622	1435	161	33		
MPT4-09			1460									6031	6542	1537	1897	15			8432	1677	2010	61	64		
MPT4-10			730									4347	4344	1521	2840	174			7202	1431	1271	287	32		
MPT4-11												2404	2405	601	691	514			5113	601	1212	337			
MPT4-12												2300	2300	676	455	419			3675	288	922				
MPT4-13												2341	2400	745	974				7877	575	140		16		
MPT4-14			730									2642	2643	529					4574	525	247	57	110		
MPT4-15												2225	2224	713	1220	13			5533	550	810	305			
MPT4-16			730									2665	2603	547	1180	63			5250	548	927	93	110		
MPT4-17			1460		27		4					1746	1781	437					3517	437			145		
MPT4-18			730		27		4																157		
MPT4-19			1460																238				126		
MPT4-20			2920																				128		
MPT4-21												200	500	200					36				79		
MPT4-22												1175													
SUBTOTAL		LS	13870	74	131		12		LS	LS	LS	45618	45276	16977	15663	2180		73250	11422	10767	1839	1392			
UNASSIGNED			694	4	7		1					2281	2264	849	784	109			3663	571	539	92	70		
TOTAL		LS	14564	78	138		13		LS	LS	LS	47899	47540	17826	16447	2289		76913	11993	11306	1931	1462			

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/16/2018	DESIGNER/DRAFTER: MCS	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...VHW_MSH_0063_0703_01-06_EST-STG4.dgn	SIGNATURE/BLOCK:  CME Associates, Inc. 101 East River Drive, 1 st Floor East Hartford, CT 06108	PROJECT TITLE: RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB	CITY/TOWN: HARTFORD EAST HARTFORD	DRAWING TITLE: DETAILED ESTIMATE SHEET	PROJECT NO. 63-703
					CHECKED BY: CLR						

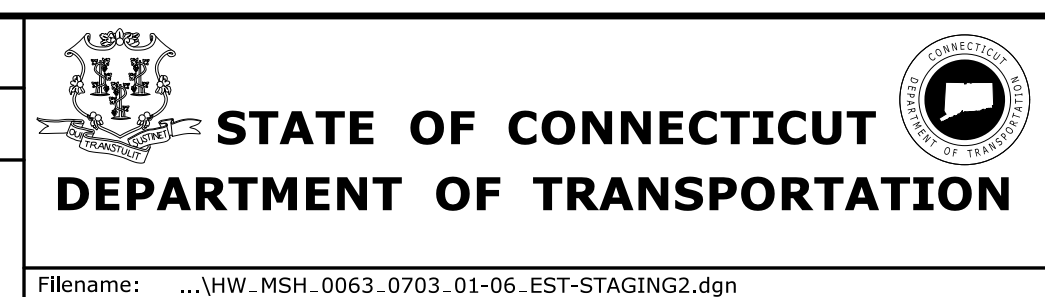
STAGE CONSTRUCTION

ITEM	STAGE CONSTRUCTION																	
	0922001	0942001	0943001	1205207	1205214	1205215	1507000A	1806202	1807010	1807011	1807012	1807013	1807014	1807104	1807105	1807106	1807107	1807108
UNIT	BITUMINOUS CONCRETE SIDEWALK	CALCIUM CHLORIDE FOR DUST CONTROL	WATER FOR DUST CONTROL	TYPE DE-7 DELINEATORS	TYPE DE-7A DELINEATORS	TYPE DE-7B DELINEATORS	PROTECTION AND SUPPORT OF EXISTING UTILITIES	TRUCK-MOUNTED OR TRAILER-MOUNTED IMPACT ATTENUATOR	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 200LB.	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 400LB.	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 700LB.	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 1400LB.	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 2100LB.	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 700 LB.	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 1400 LB.	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 2100 LB.	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 200 LB.	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 400 LB.
STG-01																		
STG-02		1	208						1	1	6	4	2	36	32	16	6	6
STG-03		1	124						2	2	12	10	5	36	30	15	6	6
STG-04	345	2	243						7	7	22	30	15	34	44	22	11	11
STG-05									1	1	6	4	2	12	8	4	2	2
STG-06														6	4	2	1	1
STG-07		1	115						3	3	18	14	7	66	58	29	11	11
STG-08		1	115						1	1	6	4	2	6	4	2	1	1
STG-09														26	18	9	4	4
STG-10																		
STG-11		1	89						1	1	6	6	3	36	26	13	5	5
STG-12		1	157											18	14	7	3	3
STG-13		4	527											48	50	24	12	12
STG-14														6	6	3	1	1
STG-15														6	4	2	1	1
STG-16			44						1	1	6	6	3	18	12	4	3	3
STG-17																2		
STG-18									2	2	12	8	4	24	16	4	4	4
STG-19																		
STG-20																		
PROJECT WIDE				328	368	15	LS	4352										
SUBTOTAL	345	12	1622	328	368	15	LS	4352	19	19	94	86	43	378	326	158	71	71
UNASSIGNED	20	1	148															
TOTAL	365	13	1770	328	368	15	LS	4352	19	19	94	86	43	378	326	158	71	71

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER/DRAFTER: **MCS**
 CHECKED BY: **CLR**



SIGNATURE/BLOCK:
 CME Associates, Inc.
 101 East River Drive, 1st Floor
 East Hartford, CT 06108

PROJECT TITLE:
RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB

CITY/TOWN: **HARTFORD EAST HARTFORD**
 DRAWING TITLE: **DETAILED ESTIMATE SHEET**

PROJECT NO. **63-703**
 DRAWING NO. **GEN-27**
 SHEET NO. **01.01.05.21**

Plotted Date: 8/16/2018

Filename: ...VHW_MSH_0063.0703.01-06_EST-STAGING2.dgn

ENVIRONMENTAL COMPLIANCE

ITEM NUMBER																																																	
ITEM	0007020A	0020765A	0020801A	0020905A	0101000A	0101050A	0101109A	0101117A	0101128A	0101128A	0101130A	0202315A	0204213A	0603222A																																			
UNIT	L.S.	C.F.	L.S.	L.S.	L.S.	L.S.	CY	CY	TON	L.S.	TON	TON	L.S.	TON																																			
	1	1375	1	1	1	1	765	83823	1224	1	480	134117	1	2																																			
SUBTOTAL	0	1	1375	1	1	1	765	83823	1224	1	480	134117	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UNASSIGNED																																																	
TOTAL	0	1	1375	1	1	1	765	83823	1224	1	480	134117	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.				

