

CONNECTICUT DEPARTMENT OF TRANSPORTATION

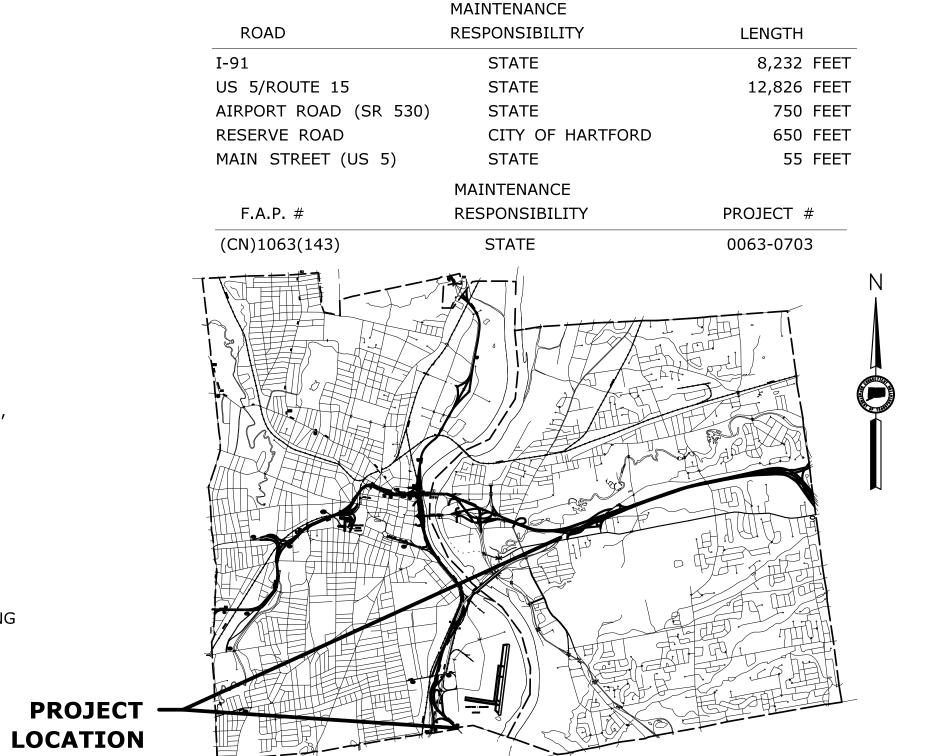


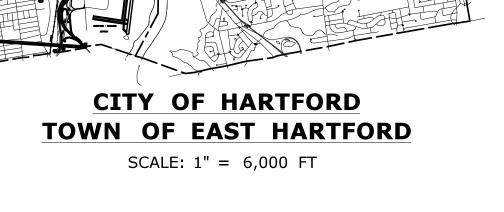
Plans For RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING

OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB

in the

CITY OF HARTFORD TOWN OF EAST HARTFORD





THIS PROJECT IS COMBINED WITH PROJECT 159-191

-PROJECT **LOCATION** HARTFORD - BRAINARD **LOCATION PLAN**

SCALE 3000 FEET

M A S S A C H U S E T T S DISTRICT 4 DISTRICT 1 -PROJECT LOCATION STATE OF CONNECTICUT

GENERAL NOTES:

- 1. FEDERAL AID PROJECT NO. (CN)1063(143)
- Connecticut Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 817, dated 2016; Supplemental Specifications dated January 2018, and Special Provisions 3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983/2011
- 4. VERTICAL DATUM BASED ON NAVD 1988
- 5. 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.

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

4		·'	5251511 51 2251 75 11111
CHAPTER NO.	CHAPTER TITLE	*CHAPTER SHEET COUNT	
01.01	GENERAL	31	FUNCTIONAL CLASSIFICATION: URBAN PRINCIPAL ARTERIA POSTED SPEED: 55 MPH
01.02	REVISIONS	2	DESIGN SPEED: 70 MPH
01.03	HIGHWAY	271	*THE INITIAL SUBSET SHEET COUNT DOES
01.04	TRAFFIC	254	NOT INCLUDE ADDENDUMS AND CHANGE ORDERS
01.05	INTELLIGENT TRANSPORTATION SYSTEMS	57	LIST OF DRAWINGS
01.06	STRUCTURES: BRIDGES AND CULVERTS	459	CHAPTER 01.01 - GENERAL
01.07	STRUCTURES: WALLS	101	
01.08	STAGE CONSTRUCTION	382	DRAWING TITLE DRAWING N
01.09	HIGHWAY CROSS SECTIONS	274	TITLE SHEET GEN-01
01.10	RAILROAD	10	INDEX OF CHAPTERS AND SUBSETS GEN-02 TO
01.11	ILLUMINATION	31	GENERAL NOTES AND ABBREVIATIONS GEN-04 TO
01.12	TRAFFIC MONITORING STATIONS	14	INDEX OF PLANS GEN-06
01.13	ENVIRONMENTAL COMPLIANCE	27	DETAILED ESTIMATE SHEETS GEN-07 TO 3
01.14	LANDSCAPING	37	
01.15	UTILITY TP PLANS/FIO	17	
		1	
1		+	

DESIGN CRITERIA

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

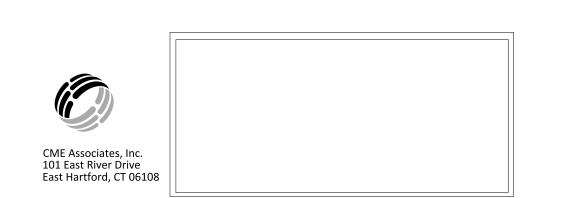
FUNCTIONAL CLASSIFICATION: URBAN PRINCIPAL ARTERIAL-INTERSTATE (FREEWAY) POSTED SPEED: 55/65 MPH DESIGN SPEED: 70 MPH

L-OTHER EXPRESSWAY (FREEWAY)

	STANDARD C	ONVENTIONS	
North Arrow W/No. Coor. Edge Of Road Concrete Pavement Dirt Road B.C.L.C. Granite Curb Guide Rail Concrete Median Barrier >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Crid Arrow Limit Of Marsh Stone Wall Ledge Outcrop	Chain Link Fence Rustic Fence Pipe Fence Board Fence Water Edge Stream Ditch TOWN LINE	Riprap Hedge Row Tree Line Shrub Evergreen Tree Retaining Wall Highway Line Street Line Property Line Lot Line Easement Line

BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE



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

> CITY OF HARTFORD TOWN OF EAST HARTFORD

STATE PROJECT NO. 0063-0703

GEN-01 01.01.01.01

DRAWING NO.

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

_	UBSET JMBER	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
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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.

REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 8/17/2018

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STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

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

HARTFORD
EAST HARTFORD

INDEX OF CHAPTERS
AND SUBSETS

GEN-02

SHEET NO.
01.01.02.01

63-703

VOLUME 1 - INDEX OF CHAPTERS AND SUBSETS

01.11 - ILLUMINATION

ſ	SUBSET		SUBSET
	NUMBER	SUBSET TITLE	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

NUMBER	SUBSET TITLE	SUBSET SHEET COUNT
01.14.01 LA	ANDSCAPING SUBSET INDEX	1
01.14.02 LA	ANDSCAPING PLANS	18
01.14.03 EN	NVIRONMENTAL 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.

REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 8/16/2018

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STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

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RELOCATION OF I-91 NB
INTERCHANGE 29 AND WIDENING
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TO I-84 EB

HARTFORD
EAST HARTFORD
WING TITLE:

INDEX OF CHAPTERS
AND SUBSETS

GEN-03

SHEET NO.
01.01.02.02

ROJECT NO. 63-703

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 ADDITIONIAL 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.

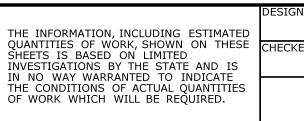
SHEET NO. Plotted Date: 8/8/2018

REVISION DESCRIPTION

EV. DATE

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.

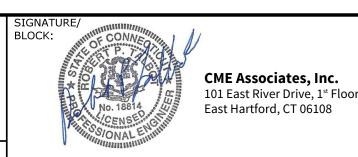
- 14. THE EXISTING UNDERGROUND STRUCTURES AND SERVICES ARE SHOWN AS NEAR THEIR CORRECT POSITION AS POSSIBLE. ALL LOCATIONS ARE APPROXIMATE ONLY AND ALL STRUCTURES OR SERVICES (ACTIVE OR ABANDONED) MAY NOT BE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SUBSURFACE INFORMATION. THE CONTRACTOR SHALL 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.



ER/DRAFTER:

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

HARTFORD
EAST HARTFORD

GENERAL NOTES

PRAWING TITLE:

DRAWING NO.

GEN-04

SHEET NO.

01.01.03.01

63-703

Filename: ...\HW_MSH_0063_0703_01-04_GEN_04.dgn

LIST OF ABBREVIATIONS

Aban. HR. (HR) Abandon Hour Abut. Ho. House Abutment Acc. Hydrant Access Hyd. Ah. (AH) Ahead IŃS Incident Management System ITS Alt. Intelligent Transportation System Alternative AASHTO I/C American Association of State Highway and Transportation Officials Interchange Anchorage Int. Anch. Intermediate Asphalt Coated Corrugated Metal Pipe A.C.C.M.P. ISD. Intersection Sight Distance I-91 Interstate Route 91 Ave. Avenue Inv. Ave Average Invert Average Daily Traffic ADT I.P. Iron Pin Bk. (BK) Back Joint B.L. (股) Baseline Lt. (LT) Left Brg. (BM) L.V.C. (LVC) Length of Vertical Curve Bearing Bench Mark Light Pole Lamp Linear Feet Bit. Bituminous L.F. (LF) Bituminous Concrete Lip Curb BCLC LRFD Load Rating Factor Design **BCPC** Bituminous Concrete Park Curbing Location Loc. L.P. Low Point Bot. Bottom Br. Bridge L.S. (LS) Lump Sum Bldg. Building M&PT (MPT) Maintenance and Protection of Traffic Cbl. M.H. Cable MUTCD Manual on Uniform Traffic Control Devices Cable Guide Rail C.G.R. C-I-P Cast In Place M.L. Match Line CIP C.B. Max. Cast Iron Pipe Maximum M.B.R. (MBR) Metal Beam Rail Catch Basin C.L. M.C.E. Metal Culvert End Center Line CH Chain Meter C.L.F. MDC Chain Link Fence Metropolitan District Commission CMS Changeable Message Sign Min. Minimum Closed Circuit Television CCTV MVC Minimum Vertical Clearance CADD Computer Aided Drafting and Design Misc. Miscellaneous Mgal (MGAL) Mod. Conc. Concrete 1000 gallons C.C. Concrete Curbing Modified / Modify C.C.P. Concrete Cylinder Pipe Mo. (MO) Month C.B.C. Concrete Median Barrier Curb Mon. Monument Conn. (CT) N.A Connecticut Non-Access NAD CT DEEP Connecticut Department of Energy and Environmental Protection North American Datum CTDOT Connecticut Department of Transportation NAVD North American Vertical Datum CHD Connecticut Highway Department N.B. (NB) Northbound Const. Construction N. T. S. Not to Scale CONTR. Contraction N/F Now or Formerly Coord. Coordinate No. Number C.M.P. OSTA Office of State Traffic Administration Corrugated Metal Pipe CPC Concrete Park Curbing Pvmt. Pavement C.P.P. Corrugated Plastic Pipe PHV Peak Hourly Volume C.S.P.P. Corrugated Structural Plate Pipe Perf. Perforated Perv. Pervious Cov. **Operations Center** CTDOT Newington Operations Center Phs. Phase **Cubic Foot** P.A.G. Point of Applied Grade C.F. (CF) C.Y. (CY) P.C.C. (PCC) Point of Compound Curvature Cubic Yard P.C. (PC) Cut Slope Point of Curvature DSD Decision Sight Distance P.I. (PI) Point of Intersection Deg. (°) DOT P.R.C. (PRC) Point of Reverse Curvature Degree Department of Transportation P.T. (PT) Point of Tangency Desc. Description P.V.C. (PVC) Point of Vertical Curvature Design Directional Hourly Volume DDHV P.V.I. (PVI) Point of Vertical Intersection Detour Det. P.V.R.C. (PVRC) Point of Vertical Reverse Curvature P.V.T. (PVT) Dia. Point of Vertical Tangency Diameter DBL DG Double P.O.C. (POC) Point on Curvature Double Grate P.O.T. (POT) Point on Tangent DMH Drainage Manhole D.R.O.W. Drainage Right of Way P.C.B.C. (PCBC) Precast Concrete Barrier Curb Drop Inlet Prelim. Preliminary Ea. (EA) Preliminary Design PD**ESMT** Easement Line P.G.L. (PGL) Profile Grade Line E.B. (EB) Eastbound Proj. Project E.O.P. (ÉOP), (*ep*) Edge of Pavement P.L. Property Line EOR (EOR) Edge of Road Proposed Prop. E.O.T. (EOT) Edge of Travelway P.B. Pull Box Rad.(R) Elec. (E) Electrical Radius R.R. Elev. (EL) Elevation Railroad Ent (ENT) Ran. Stone Entrance Random Stone Eq. (EQ) Equal Reconst. Reconstructed EČL **Erosion Control Lining** Rehabilitation Rehab. Est. Reinforced Estimate Reinf. **Exist** R.C.C.E. (RCCE) Reinforced Concrete Culvert End Existing E.C.L. **Existing Concrete Lined** R.C.P. (RCP) Reinforced Concrete Pipe Reloc. Exp. Expansion Relocated Remote Traffic Monitoring Sensors Fill Slope RTMS Foundation Remove Fnd. (FND) Rem. GAL. (GAL) Ret.Wall **Retaining Wall** Gallon Gas Gate G.G. Revision Rev. Rt. (RT) G.V. Gate Valve G.C.S.C. G. S. C. R.O.W. (ROW) Right-of-Way Granite Curved Stone Curbing Granite Stone Curbing G.S.T.C. Granite Stone Transition Curbing Rdwy. Roadway GRT. Grate Rot. Rotate Gr. Gravel Rte. (RTE) Route Guy Wire Sanitary Manhole G.W. S.M.H. Hand Hole S.C.S. Sedimentation Control System H.H. Hdr. Sew. (S) Header Sewer Sh (SH) HOV High Occupancy Vehicle Sheet H.P. High Point Shld. Shoulder HWY SDWK. Sidewalk Highway HAR Highway Advisory Radio S.P. Slotted Pipe HL Highway Line S.B. (SB) Southbound Hor. Horizontal Space

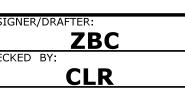
Spec S.F. (SF) **Specification** Square Foot S.Y. (SY) Square Yard Stg. Std. Stage Standard S.R. (SR) State Route STC State Traffic Commission Sta. Station SSD Stopping Sight Distance Sty. St. Story Street S.L. Street Line Struct. Structure T.L. Taking Line Tangent Tele. (T) Telephone Temp. T.C.D. Temporary 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 Typical Тур. 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 Without w/o W.W. Wingwall Wood Frame W.F. Yr.(YR) Zone of Intrusion

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

SHEET NO. Plotted Date: 7/10/2018

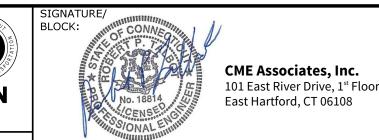
REVISION DESCRIPTION

REV. DATE





Filename: ...\HW_MSH_0063_0703_01-04_GEN_05.dgn



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

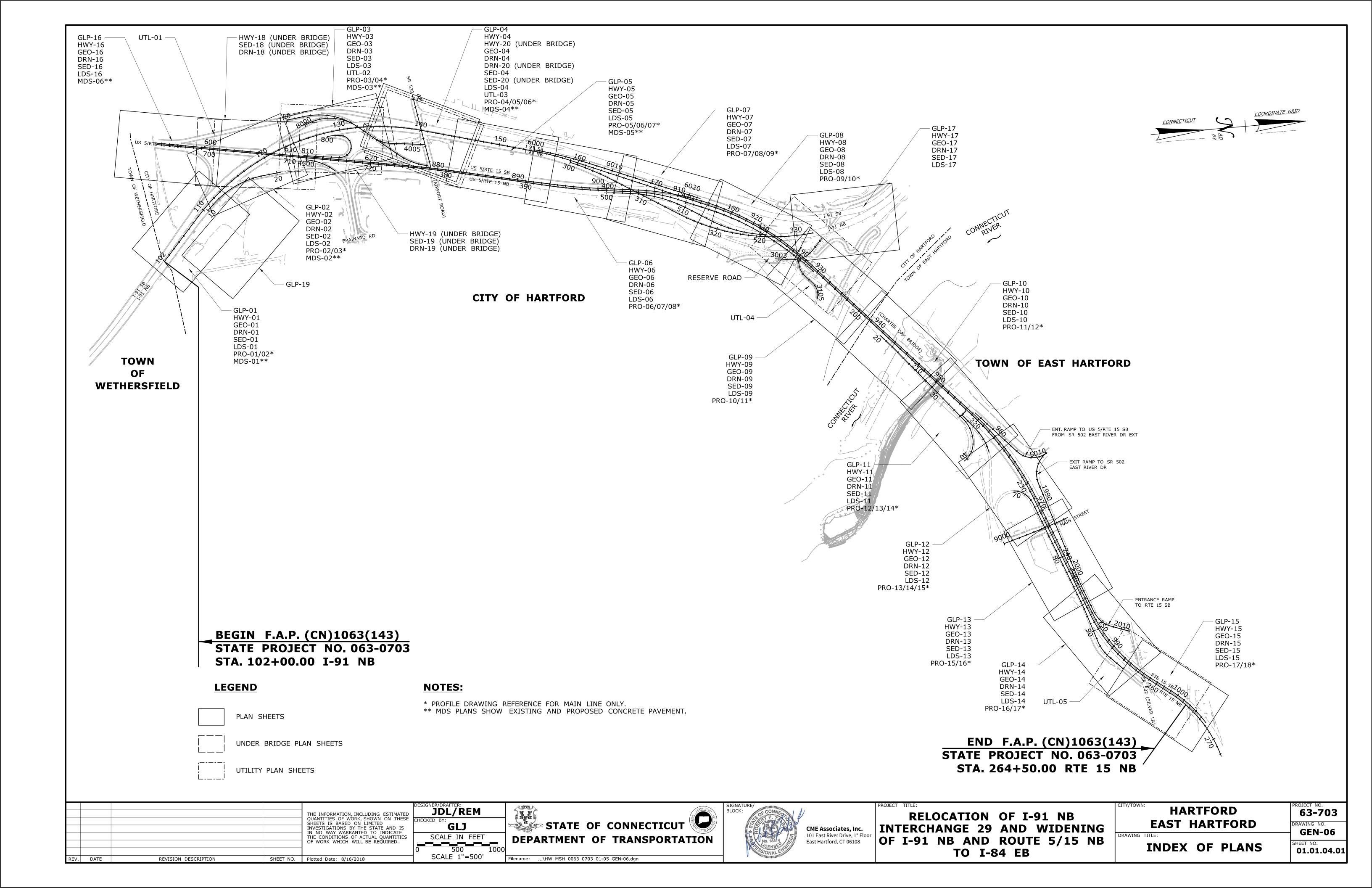
CITY/TOWN:	НА	RTFORD
	EAST	HARTFORD

HARTFORD

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ABBREVIATIONS

01.01.03.02



HIGHWAYS ITEM NUMBER EARTH EXCAVATION ITEM IMA S0.375 HMA S1 MA S1 2121 2222 4640 5100 HWY-01 352 2420 3428 3894 HWY-02 1558 | 4040 | 6817 380 | 3509 HWY-03 3948 | 5926 HWY-04 2055 | 1359 1707 | 1772 | 6000 HWY-05 504 5085 205 10439 5273 3604 8771 | 1542 | 9066 HWY-06 3221 3153 6742 5333 4025 13359 HWY-07 4658 1698 2183 10690 4757 4148 HWY-08 HWY-09 HWY-10 2291 721 HWY-11 2612 1833 HWY-12 2948 | 1939 | 3988 14123 4498 HWY-13 2978 2390 HWY-14 HWY-15 HWY-16 HWY-17 2172 2535 HWY-18 HWY-19 782 1005 1005 5025 | 1605 HWY-20 32000 8500 LS **PROJECTWIDE** LS 45 | 125 | 8682 | 9115 | 40058 6413 119456 5021 7276 36041 1466 4396 343 1905 | 202 | 1094 | 45245 34894 1013 1206 905 4412 32000 85000 54410 43427 92031 5738 47239 107 SUBTOTAL LS 79716 LS 875 93076 UNASSIGNED 130 | 9000 | 9200 | 41000 4400 350 2000 215 1150 45500 35000 1100 1250 910 4500 32000 85000 55000 43500 92050 6000 47500 110 875 93100 TOTAL LS 5100 7300 37900 1500 **HARTFORD** MCS 63-703 **RELOCATION OF I-91 NB** THE INFORMATION, INCLUDING ESTIMATED

> **DETAILED ESTIMATE SHEET**

EAST HARTFORD

DRAWING NO. **GEN-07** 01.01.05.01

Filename: ...\HW_MSH_0063_0703_01-06_EST-HWY.dgn

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.

SHEET NO. Plotted Date: 8/21/2018

REVISION DESCRIPTION

REV. DATE

CLR

STATE OF CONNECTICUT **DEPARTMENT OF TRANSPORTATION**



INTERCHANGE 29 AND WIDENING

OF I-91 NB AND ROUTE 5/15 NB

TO I-84 EB

HIGHWAYS ITEM NUMBER R-B END ANCHORAGE (TYPE I - 10 GA) REMOVE AND RESET METAL BEAM RAIL CALCIUM CHLORIDE FOR DUST CONTROL WRECKER SERVICE RAIL 4" PVC CONDUIT ITEM UNIT HWY-01 HWY-02 HWY-03 500 1941 HWY-04 750 1863 HWY-05 235 1746 HWY-06 HWY-07 HWY-08 HWY-09 HWY-10 HWY-11 HWY-12 4206 283 13938 738 HWY-14 HWY-15 HWY-16 HWY-17 880 931 **HWY-18** HWY-19 2875 65 192 946 PROJECTWIDE LS LS SUBTOTAL | 422 | 192 | 1055 | 605 | 13871 | 40 | 140 | 220 | 2899 | 23737 | 1970 | 25912 38 17476 18 17752 25 | 663 | 378 | 275 | 262 19086 1088 3423 217 134 1952 90 90 | 39878 LS LS 42 5856 LS LS 263 30 UNASSIGNED 8 10 | 129 TOTAL 430 200 1060 615 14000 40 140 | 220 | 2900 | 24000 | 2000 | 26000 19100 1100 3450 STATE OF CONNECTICUT **HARTFORD** MCS 63-703

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.

SHEET NO. Plotted Date: 8/23/2018

REVISION DESCRIPTION

REV. DATE

CLR

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-HWY2.dgn

DETAILED ESTIMATE SHEET

GEN-08 01.01.05.02

RELOCATION OF I-91 NB

INTERCHANGE 29 AND WIDENING

OF I-91 NB AND ROUTE 5/15 NB

TO I-84 EB

CME Associates, Inc.

East Hartford, CT 06108

101 East River Drive, 1st Floor

EAST HARTFORD

HIGHWAYS NUMBER EA EA EA EA HWY-01 HWY-02 HWY-03 HWY-04 HWY-05 HWY-06 HWY-08 HWY-10 HWY-11 HWY-12 HWY-13 HWY-14 HWY-15 HWY-16 HWY-17 HWY-18 HWY-19 HWY-20 PROJECTWIDE SUBTOTAL 1 2 UNASSIGNED TOTAL STATE OF CONNECTICUT **HARTFORD** MCS 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. **RELOCATION OF I-91 NB** EAST HARTFORD CLR INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB **CME Associates, Inc.** 101 East River Drive, 1st Floor

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-HWY3.dgn

REVISION DESCRIPTION

REV. DATE

SHEET NO. Plotted Date: 8/20/2018

East Hartford, CT 06108

TO I-84 EB

63-703

GEN-09

01.01.05.03

DETAILED

ESTIMATE SHEET

_	THE INFORMATION, INCLUDING ESTIMATED	designer/drafter: GPR	ONNECTICAL E
	QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	CLR	STATE OF CONNECTICUT
_	THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DEPARTMENT OF TRANSPORTATION
	Plotted Date: 8/24/2018		Filename:\HW_MSH_0063_0703_01-06_EST-DRN1.dgn

REVISION DESCRIPTION

SHEET NO. Plotted Date: 8/24/2018

REV. DATE



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

CITY/TOWN:	HA	RTFC	ORD
	EAST	HAR	TFORD
DRAWING TI		ETAIL	.ED
	ESTIM	IATE	SHEET

63-703 GEN-10 01.01.05.04

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ITEM NUMBER	000						V 77 00 82 0 7 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0,50,50				0586004.20	07:9009850	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	05.86091.10		07:70; 07:70;	0586103					07.55 07.05 08.00 07.005 08.00 07.005		\$0.5 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	77. 888. 7					07.0° 420.0° 888.0° 80.0°	
ITEM	PORTABLE TURBIDITY METER	EARTH EXCAVATION	TEST PIT	TRENCH EXCAVATION 0'-10' DEEP STONE CHECK DAM	ANTI-TRACKING PAD GRANULAR FILL	SEDIMENTATION CONTROL FILTER FABRIC FENCE SYS. SEDIMENT CONTROL SYSTEM AT CATCH	ROCK IN DRAINAGE TRENCH EX 0'-10' DE ROCK IN DRAINAGE	TRENCH EX 0'-20' DEEP CONNECTION TO EXISTING MANHOLE AND/OR CATCH BASIN	RAISE MANHO	RESET FRAME AND GRATE FOR CATCH BASIN JUNCTION BOX OVER 10' DEEP	TYPE "C" CATCH BASIN (4' SUMP) 0'-10'DEEP TYPE "C" CATCH BASIN (4' SUMB) 0'-20' DEED	TYPE DOUE SUME TYPE	<u> </u>	<u> </u>	SUMP) 0'-20' DEEP TYPE "C-L" CATCH RACIN (4' SHMP) 0'-		(4' SUMP) 0'- TYPE "C-M" (BASIN (4' SU	TYPE "C-M" CATCH BASIN (4' SUMP) 0'- DEEP	IYPE "C-M" CAICH B, DOUBLE GRATE TYPE SUMP) 0'-10' DEEP	TYPE "C-M DOUBLE G SUMP) 0'- TYPE "C-M DOUBLE G	TYPE 'P-R-W' CAT BASIN 0'-10' DEE TYPE 'P-R-W' CAT BASIN (4' SUMP)	TYPE 'P-R-BASIN (4' DEEP TYPE 'P-R-BASIN DO BASIN DO		MANHOLE		SPECIAL MANHOLE 0- 10' DEEP	SPECIAL MANHC 20' DEEP	TYPE 'C' CATCH BASIN TOP TYPE 'C' CATCH BASIN TOP DOUBLE GRATE I	TYPE 'CL' CATCH B, TOP	TYPI BAS	TYPE 'C-M' CATCH BASIN TOP DOUBLE GRATE II REMOVE DRAINAGE STRUCTURE 0'-10' DEEP	HYDRODYNAMIC SEPARATOR (SITE NO. 1) HYDRODYNAMIC SEPARATOR (SITE NO. 2)	HYDRODYNAMIC SEPARATOR (SITE NO. 3)
UNIT DRN-01 / SED-01	EA	CY	EA	CY EA	SY CY 167 25		CY C	CY EA	EA	EA EA	EA EA	EA	EA	EA E	<u> </u>	<u>A E</u>	A EA	EA 1	EA	EA EA	EA EA	EA EA	EA EA	EA EA	EA	EA	EA	EA EA	EA	EA	EA EA	EA EA	EA
DRN-02 / SED-02		70	1	11	334 9	2558 2	21	1			11	1		_		-	3	2							1 1		1	2		2	2		
DRN-03 / SED-03		212		14	250 52		35	2			5 7	1		1		-	14			2								4			4		
DRN-04 / SED-04		14		7 3	501 4	3024	11	1	1		1	+		_	+	+	8	1								1		<u> </u>			1		
DRN-05 / SED-05				12 1	6	1300	15				2	1		1	+	+	13	1		1											4		
DRN-06/ SED-06				5	167 3	2205	16	2				4	1				16		1	1	1 1	1						1			2	1	
DRN-07 / SED-07				14	5	1895 1	13	5		1	1	3			1	1 1	L 6	3	3	1	1			2	\dagger						3		
DRN-08 / SED-08					167	1433 2	3				2	1		:	1 2	2		1			4	1	2	1	† †						5		
DRN-09 / SED-09		21			167 9	737 1																									1		
DRN-10 / SED-10					96																												
DRN-11 / SED-11					70	203	33				2			1				3												2	1		
DRN-12 / SED-12		83		5	334 7	1502		1									2							1 1									
DRN-13 / SED-13						1672															1												
DRN-14 / SED-14				4	167	2685	38	7 6		1	1		2								2	1	1	3 1							3	1	1
DRN-15 / SED-15				8	250 7	1421	3	3									1				1								2				
DRN-16 / SED-16						217																											
DRN-17 / SED-17																\perp																	
DRN-18 / SED-18				7	1		15				2					\perp	11													2			
DRN-19 / SED-19				24	24		10				2 1						2			2	1							4					
DRN-20 / SED-20							11				6	+ +																1					
PROJECTWIDE	1						1									-																	
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SUBTOTAL	. 1	400	1	112 8	2670 152	25400 6	233	7 24	1	1 1	33 11	11	3	3 :	1 1	3 1	L 77	12	4	1 6	4 8	2 1	1 2	7 2	1	1	1	11 1	2	6	1 26	1 1	1
UNASSIGNED	1	80	0	22	134 8	1270	45	1																	$\downarrow \downarrow \downarrow$								
TOTAL	. 1	480	1	134 8	2804 159	26670 6	278	8 24	1	1 1	33 11	11	3	3 :	1 1	3 1	L 77	12	4	1 6	4 8	2 1	1 2	7 2	1	1	1	11 1	2	6	1 26	1 1	1

DRAINAGE



CITY/TOWN:	HA	RTF	ORD
E	EAST	HAR	TFORD
DRAWING TITL	DI	ETAIL	_ED
E	STIM	IATE	SHEET

ROJECT NO. 63-703 DRAWING NO. GEN-11 01.01.05.05

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ITEM	CLASS "A" CONCRETE	12" POLYETHYLENE CULVERT END	24" POLYETHYLENE CULVERT END 18" POLYETHYLENE CULVERT END	CLEAN DRAINAGE SYSTEM	VIDEO & DYE TEST DRAINAGE SYSTEM	0	15" RC PIPE 0-10' DEEF	18" RC PIPE 0-10' DEEP	24" RC PIPE 0-10' DEEF	30" RC PIPE 0-10' DEEP 36" RC PIPE 0-10' DEEP	" RC PIPE 0-20'	15" RC CLASS V PIPE 0-10' DEEP	<u>. Ш</u>	12" HIGH DENSITY POLYETHYLENE PIPE 0-10' DEEP 15" HIGH DENSITY POLYETHYLENE PIPE 0-	10' DEEP 24" HIGH DENSITY POLYETHYLENE PIPE 0-	12" HIGH DENSITY POLYETHYLENE PIPE 0- 20' DEEP	15" HIGH DENSITY POLYETHYLENE PIPE 0- 20' DEEP 18" HIGH DENSITY POLYETHYLENE PIPE 0-	20' DEEP 24" HIGH DENSITY POLYETHYLENE PIPE 0-	18" REINFORCED CONCRETE DRAINAGE PIPE END	15" HDPE PIPE ELBOW (0-10' DEEP) CONCRETE PIPE CONNECTION	REMOVE EXISTING PIPE 0-10' DEEP	REMOVE EXISTING PIPE 0-20' DEEP	INTERMEDIATE RIPRAP	MODIFIED RIPRAP	NO. 3 CRUSHED STONE	GEOTEXTILE (SEPARTAION-MEDIUM SURVIVABILITY)	PAVED APRON EROSION CONTROL MATTING TYPE D TIMBER SUPPORT MAT							
UNIT	CY	EA	EA EA	LS	EA	LF	LF	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 LS							
DRN-01 / SED-01	2						105										86			4		68	144	2	118	384								
DRN-02 / SED-02	4				1		466	533									50			5	103		26		46	310	1965							
DRN-03 / SED-03	4		1				1047	117	183					73			26	52		7	125	62	19	147	65	471	1345							
DRN-04 / SED-04	2					150	149	106									75 67			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			29						5	385		14			27	34 2278							
DRN-08 / SED-08			1			4	461	450											1	1	282						22 3946							
DRN-09 / SED-09																								25										
DRN-10 / SED-10																																		
DRN-11 / SED-11							193	18												2							80							
DRN-12 / SED-12	2		1				66		50								67	78		2			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						81	56			2				13	81	201								
DRN-16 / SED-16																																		
DRN-17 / SED-17																																		
DRN-18 / SED-18	2						499										22			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							
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SUBTOTAL	39	1	2 1	LS	1	856	5374	3318	1142	647 504	1 126	94	97	97 92	18	81	332 117	130	1	2 50	1088	206	298	223	1386	3675	56 15856 LS		+		 		++	
UNASSIGNED		-			 	43		166	57	32 25		+	5	5 5	1	4	17 6	7	_		54	10	15	 		184	2 793				 		++	
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DRAINAGE

ITEM NUMBER	, Sor			\$ 00 / 1.7 \$0 / 1.7 \$0 / 1.7	4007777 87177	1200° 11 10 10 10 10 10 10 10 10 10 10 10 10	000 /1517 113100				1,500/2,500/														
ITEM		BARRICADE WARNING LIGHTS - HIGH INTENSITY TRAFFIC CONE	TRAFFIC DRUM CONSTRUCTION BARRICADE TYPE III	42" TRAFFIC CON TEMPORARY DETECTION SITE	NO. 2 TEMPORARY SIGNALIZATION SITE	HIGH MOUNTED INTERN. ILLUMINATED FLASHING ARROW	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	REMOVAL OF EXISTING OVERHEAD SIGNGING REMOVAL AND GRELOCATION OF EXISTING SIGNS	REMOVAL AND RELOC. COFENEAD SIGNS HOT-APPLIED PAINTED TO PAVEMENT MARKINGS	4" YELLOW HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE HOT-APPLIED PAINTED	6" WHITE HOT-APPLIED PAINTED PAVEMENT MARKINGS	HOT-APPLIED PAINTED HOT-APPLIED PAINTED 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 AGGREGATE TOOVER-UP RESIN PVT. MRKGS 14" BLACK AGGREGATE TOOVER-UP RESIN PVT. MRKGS	유 CONSTRUCTION SIGNS	REMOVAL AND/OR RELOC. OF TRAFFIC SIGNAL EQUIPMENT									
UNIT MPT1A1-01	LS	DAY EA	EA EA	EA LS	<u>LS</u>	DAY	DAY	LS LS	LS LF	LF L	- <u>L</u> F	LF SF	LF LF	LF LF	70	LS								† †	
MPT1A1-02		60													60									† †	
MPT1A1-03		60													32										
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MPT1A1-10															14										
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MPT1A2-02		60													60										
MPT1A2-03		60													32										
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01.04.04 STAGE 1A PHASE 1 AND PHASE 2 M&PT

EAST HARTFORD DETAILED ESTIMATE SHEET

HARTFORD

ROJECT NO. **63-703** DRAWING NO.

GEN-12 SHEET NO. **01.01.05.06**

INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB CME Associates, Inc. 101 East River Drive, 1st Floor East Hartford, CT 06108

RELOCATION OF I-91 NB

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.

SHEET NO. Plotted Date: 8/23/2018

REVISION DESCRIPTION

REV. DATE

MCS CLR

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-STG1A.dgn



ITEM NUMBER		, Zooz		/00/ /\00/ /\				87,		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/ 00 /	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ALI O		ZZ /	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\								S S		<u>.</u> \$///														
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	FICPERS FORMED GGER)	TEC STEC SEFIC	LIGHTS - HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE II	42" TRAFFIC CONE	TEMPORARY DETECTION SITE	NO. 2 TEMPORARY SIGNALIZATION SI	2 H MOUNTE ERN. ILLUM	FLASHING ARROW REMOTE CONTROL CHANGFABI F MFS	SIGN REMOVAL OF EXIST	REMOVAL AND RELOCATION OF	EXISTING SIGNS REMOVAL AND RELOP EXISTING	OVERHEAD SIGNS HOT-APPLIED PAIN' PAVEMENT MARKIN	4" YELLOW HOT-APPLIED PAIN PAVEMENT MARKIN	4" WHITE HOT-APPLIED PAIN PAVEMENT MARKIN 6" WHITE	O WHILE HOT-APPLIED PAIN PAVEMENT MARKIN 8" WHITE	HOT-APPLIED PAIN PAVEMENT MARKIN 12" WHITE	HOT-APPLIED PAIN PAVEMENT LEGEND ARROWS AND MRK	6" BLACK AGGREGACOVER-UP RESIN	8" BLACK AGGREGATE TOVER-UP RESIN PAVEMENT MARKINGS 10" BLACK AGGREGATE	MRKGS 14" BLACK AGGREC	MRKGS CONSTRUCTION SIG	REMOVAL AND/OR RELOC. OF TRAFFIC SIGNAL EOUIPMENT															
UNIT	HR	LS		EA	EA	EA	EA	LS	LS	DAY	′ DA	AY LS	LS	LS	LF	LF	LF	LF	LF	SF	LF	LF L	<u>L</u> F		LS												$\overline{+}$	+	$\overline{}$	
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MPT1A-04			180		27					120	<u> </u>				_	0 3805		700			5645	44 70		32			1										+	+	\longrightarrow	
MPT1A-05	100		180												_	5 2812		789			4207	44 78	9	64			<u> </u>											+	\longrightarrow	
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ROJECT NO. 63-703

GEN-13

01.01.05.07

DRAWING NO.

HARTFORD

EAST HARTFORD

DETAILED

ESTIMATE SHEET

RELOCATION OF I-91 NB

INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB

TO I-84 EB

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

STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-STG1A-PH3.dgn

MCS

CLR

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.

SHEET NO. Plotted Date: 8/16/2018

REVISION DESCRIPTION

REV. DATE

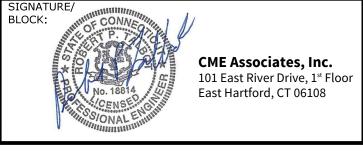
01.04.04 STAGE 1A PHASE 3 M&PT

01.04.05 STAGE 1B M&PT

ITEM NUMBER																					
ITEM	TRAFFICPERSON (UNIFORMED FLAGGER) MAINTENANCE AND PROTECTION OF	TRAFFIC BARRICADE WARNING LIGHTS - HIGH INTENSITY TRAFFIC CONE	TRAFFIC DRUM CONSTRUCTION BARRICADE TYPE III	1 7 1 2 .	FLASHING ARROW REMOTE CONTROL CHANGEABLE MESSAGE SIGN REMOVAL OF EXISTING	REMOVAL AND EXISTING SIGNS REMOVAL AND RELOC. OF EXISTING	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW HOT-APPLIED PAINTED PAVEMENT MARKINGS	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	10" BLACK AGG. COVER-UP RESIN PAVEMENT MARKINGS 14" BLACK AGG. COVER-UP RESIN	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	31									
MPT1B-01				4								70									
MPT1B-02		180					 					60			-						
MPT1B-03		180										32			+ +						
MPT1B-04		180					1840 3805			5645		32									
MPT1B-05							2579 3784			4207 44	789	32									
MPT1B-06	480	360 74	3	-			2357 2436		56	4311		112									
MPT1B-07		360					881 878			380 95		50			1	-					
MPT1B-08		360		+ +			1997 1999	 		2011 591		74			+ +	+	+				
MPT1B-09		180	+ +	+ +		+ +	+	1377 2145	 	4221 1062	 	75			+	+					+ +
MPT1B-10		360		 			+	1185 1013	+ + +	4912 1146		64			+ +	-	+				
MPT1B-11		180					+ + +	300 747			736 99	60			+ +	\perp	\bot				
MPT1B-12							+	289 1084	 		1125 146				+ +	-	+				
MPT1B-13							 	424 530		4412 422		16			+	\perp	+				
MPT1B-14							1041 1042			2088 261		72									
MPT1B-15							71 71	18		142 18		16									
MPT1B-16												40									
MPT1B-17				4																	
MPT1B-18		360	27	4 90	90			80 1874			1047	258									
MPT1B-19		360		1			1060 1124	52 400		1862		126									
MPT1B-20		810										229									
MPT1B-21							18 18	15 18		16 13		16									
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SUBTOTAL	 	3870 74	27 3	12 90	90 LS	LS LS	24632 27303	5205 9403	334 60	40518 4308	6343 293	1434									
INASSIGNED	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									

MCS 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. CLR REVISION DESCRIPTION SHEET NO. Plotted Date: 8/16/2018 Filename: ...\HW_MSH_0063_0703_01-06_EST-STG1B.dgn REV. DATE





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
DETAILED

ESTIMATE SHEET

ROJECT NO. 63-703 DRAWING NO.

GEN-14 SHEET NO. **01.01.05.08**

ITEM UNIT MPT1C-01 MPT1C-03 MPT1C-05 MPT1C-06 MPT1C-06 MPT1C-07 MPT1C-08 MPT1C-09 MPT1C-10 MPT1C-10 MPT1C-11	TRAFFIC BARRICADE V	180 180 270 180 270 766 180 360 180	2 TRAFFIC DRUM 092/8002	D CONSTRUCTION BARRICADE TYPE	HIGH MOUNTED HIGH MOUNTED P INTERN. ILLUMINATED FLASHING ARROW REMOTE CONTROL	SIGN SIGN FREMOVAL OF EXISTING SOVEPHEND STGNGING SOVEPHEND SOVEPHE		S LS	HOT-APPLIED PAINTED YOU'S HOT-APPLIED PAINTED YOU'S HOT-APPLIED PAINTED YOU'S HOT-APPLIED PAINTED	The parent markings 1/209/24	HOT-APPLIED PAINTED F PAVEMENT MARKINGS F PAVEMENT MARKINGS F PAVEMENT MARKINGS	HOT-APPLIED PAINTED HOT-APPLIED PAINTED PAVEMENT MARKINGS 1200, 12000, 1200, 1200, 1200, 1200, 1200, 1200, 1200, 1200, 12000, 12000, 12000, 12000, 12000, 12000, 12000, 12000, 12000, 12000, 12000,	HOT-APPLIED PAINTED M PAVEMENT LEGEND, ARROWS AND MRKGS	6" BLACK AGGREGATE 「	8" BLACK AGGREGATE COVER-UP RESIN PAVEMENT MARKINGS 10" BLACK AGGREGATE COVER-UP RESIN PVT.		CONSTRUCTION SIGNS (22002)													
ITEM STATEM	TRAFFIC BARRICADE V	180 180 360 270 74 540 360	TRAFFIC DR	CONSTRUCTION BARRICADE TYPE	HIGH MOUNTED INTERN. ILLUMINATE FLASHING ARROW REMOTE CONTROL			S LS	LF	T PAVEMENT MARKINGS 4" WHITE	LF LF			• •			CONSTRUCTION SIGNS													
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MPT1C-02 MPT1C-03 MPT1C-04 MPT1C-05 MPT1C-06 480 MPT1C-07 MPT1C-08 MPT1C-09 MPT1C-10 MPT1C-11		360 270 74 540 360	7		4				2558								SF							+			+			\dashv
MPT1C-03 MPT1C-04 MPT1C-05 MPT1C-06 480 MPT1C-07 MPT1C-08 MPT1C-09 MPT1C-10 MPT1C-11		360 270 74 540 360	7						2558								98							+		 \vdash				_
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MPT1C-12									2300	2300	289 108	3 248				153														
MPT1C-13									3475	3326	544 127	3					16													
MPT1C-14	(360							2658	2641	265 250	51		2083			227													
MPT1C-15									2215	2217	275 111	410		142	18															
MPT1C-16	:	180							2656	2645	547 749	113					134													
MPT1C-17	(360							1770	1772	239						145													
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MPT1C-19		360			4				1021	890				1117			126													
MPT1C-20	8	810								117							229							+						
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TOTAL 504 LS	LS 4	1914 78	8		13	LS	LS	LS 3	39864 4	10095	5303 1038	1 1714	63	32396	2970 547	2 351	1776													

				THE INFORMATION, INCLUDING ESTIMATE
				QUANTITIES OF WORK, SHOWN ON THES 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.
				OF WORK WILL DE REQUIRED.
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/16/2018

DESIGNER/DRAFTER:

MCS

CHECKED BY:

CLR





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

HARTFORD
EAST HARTFORD
WING TITLE:
DETAILED

ESTIMATE SHEET

PROJECT NO.
63-703

DRAWING NO.
GEN-15

SHEET NO.
01.01.05.09

ITEM	TRAFFICPERSO UNIFORMED FLAGGER) MAINTENANCE PROTECTION O	DE WA HIGH Y	TRAFFIC CONE TRAFFIC DRUM	CONSTRUCTION BARRICADE TYR	HIGH MOUNTER INTERN. ILLUMI FLASHING ARROTE CONTRIBUTED CONTRIBUTE	OF E	AND SIGN SIGN AND ING	T MAF	T MAF	IED P T MAF	IED P E E IED P T LEG	AGGF P RES T MAF	AGGF P RES T MAF	K AGG P RES K AGG	P RES	CTIO								
	FFICP FFICP FFORN SGER NTEN	RICAL HTS -	TRAFFIC (STRU	TRAFI H MOI ERN. I SHING OTE (OVAL RHEA	OVAL OCAT STING OVAL EXIST	-APPL EMEN	-APPL -APPL -APPL -APPL	-APPLEMEN	MHITE WHITE APPL EMEN	LACK ER-U EMEN	LACK ER-U EMEN	BLAC ER-U GS BLAC	ER-U	STRU								
	TRAF (UNI FLAC MAIN PRO	BARI LIGH INTE	TRAF	CON	42" . HIGH INTE FLAS REM CHA	REM OVE	REM EXIS REM OF E	HOT PAVE	HOT PAVE HOT PAVE	HOT PAVE	HOT 12" ' HOT PAVE ARR	6" B COV PAVE	8" B COV PAVE	10" COV MRK 14"	COV MRK	SF SF								
UNIT MPT1D-01	HR LS	540	EA EA 67	EA	EA DAY DAY	LS	LS LS	LF	LF LF	<u>LF</u>	LF SF	LF	LF	LF I		SF 218								
MPT1D-02		180	07					555	554 278	<u> </u>	139					40			\dashv	+				
MPT1D-02 MPT1D-03		180							1120 560		279			23		40				+				
			1.4							+		5298	220	248		33			+	+	+			
MPT1D-04			14	+				+	3235 594	+									-+	+	+	++-		+
MPT1D-05 MPT1D-06	480	270	74	+					3782 250 2514	927		5970 4248	3/9	004		42 115								
MPT1D-07	100	540	, i					+	1093 376		1	2189	358		_	82								+
MPT1D-08		360						+	1998 811	+		4003				74								
MPT1D-09		180							3497 1411	+	34			1461 3		40								
MPT1D-10		100		+					3633 1437	+				1267 3	_	10			+	+	+			
MPT1D-11									2545 602	+				768 4					+	+	+			
MPT1D-12				+					2302 577	+				1088 2					+	+				
MPT1D-13									3331 712					1249	_	16								
MPT1D-14		360							2641 526		1 1			233 5		187			-+					
MPT1D-15									2222 550	+				1036 4										
MPT1D-16		180						+	2642 548	+				732 1		94								
MPT1D-17		360						+	1768 443	+		3542				145			+					
MPT1D-18		180	27		4			+	1181 282	+		2690		615		157								
MPT1D-19		360	40		4			_	1042 80	+		1882				126								
MPT1D-20		810						17								194								
MPT1D-21		180							18 13		4	36	13		4	16								
SUBTOTAL	480 LS	4500	74 173		12	LS	LS LS	40563	41118 10050	10555	2379	75980	9211	9384 16	540 1	L579								
UNASSIGNED	24	225	4 9		1			2029	2056 503	528	119	3799	461	470 8	32	79								
TOTAL	504 LS	4725	78 182		13	LS	LS LS	42592	43174 10553	3 11083	3 2498	79779	9672	9854 17	722 1	L658								
							IDESIGNER/F										SIGNATURE/	 OIECT TITLE:				L CITY/TOWN:		PROJECT NO

ROJECT NO. **63-703**

GEN-16

01.01.05.10

DRAWING NO.

HARTFORD

EAST HARTFORD

DETAILED

ESTIMATE SHEET

RELOCATION OF I-91 NB

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

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

STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-STG1D.dgn

MCS

CLR

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.

SHEET NO. Plotted Date: 8/16/2018

01.04.07 STAGE 1D M&PT

ITEM

NUMBER

REV. DATE

REVISION DESCRIPTION

215 555 555 278 139 40 560 164 164 2915 322 607 3598 | 3581 | 823 | 607 33 4279 4242 768 | 1337 | 66 5733 262 1337 32 3408 3076 1008 286 90 1132 286 1407 1401 40 2189 376 2675 | 2683 | 1224 | 784 3998 811 16 4847 4876 1625 619 6721 | 1372 | 619 4651 4774 1523 1200 92 4557 570 1200 288 3420 3418 633 1986 5093 602 1986 576 600 502 4601 577 600 3362 3214 690 1605 185 6821 712 1605 168 2789 2494 305 5297 526 550 51 305 4444 550 1389 2624 2624 1389 550 2737 2730 5298 548 545 979 108 94 1765 1767 442 3536 440 145 1419 1186 278 1093 560 174 855 462 80 126 1256 80 128 16 635 1430 171 LS 48446 48836 12856 11861 1570 64684 7748 12421 1906 1507 2423 2442 643 594 79 3234 387 622 95 75 LS | 50869 | 51278 | 13499 | 12455 | 1649 67918 8135 13043 2001 1582

01.04.08 STAGE 2 M&PT

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.

REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 8/16/2018

74

147

155

LS 11680

LS

12264

SUBTOTAL 480

TOTAL 504

UNASSIGNED 24

ITEM

NUMBER

ITEM

MPT2-01

MPT2-02

MPT2-03

MPT2-04

MPT2-05

MPT2-06

MPT2-07

MPT2-08

MPT2-09

MPT2-10

MPT2-11

MPT2-12

MPT2-13

MPT2-14

MPT2-15

MPT2-16

MPT2-17

MPT2-18

MPT2-19

MPT2-20

MPT2-21

MPT2-22

480

2190

730

730

730

1460

730

1460

730

730

1460

730

67

14

27

27

DESIGNER/DRAFTER:

MCS

CHECKED BY:

CLR





RELOCATION OF I-91 NB

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

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

HARTFORD
EAST HARTFORD

DRAWING TITLE:
DETAILED
ESTIMATE SHEET

PROJECT NO.
63-703

DRAWING NO.
6EN-17

SHEET NO.
01.01.05.11

01.04.09 STAGE 3 M&PT

NUMBER										7000/				1503/											/				
ITEM	SS C	MAINTENAN PROTECTIOI TRAFFIC BARRICADE LIGHTS - HI	TRAFFIC CONE	TRAFFIC DRUM CONSTRUCTION BARRICADE TYPE III	F 42" TRAFFIC CONE	HIGH MOUNTED INTERN. ILLUMINATED FLASHING ARROW	REMOTE CONTROL S CHANGEABLE MESSAGE SIGN	REMOVAL OF EXISTING OVERHEAD SIGNGING REMOVAL AND	EXISTING SIGNS REMOVAL AND	EXISTING OVERHEAD HOT-APPLIED PAINTED	PAVEMENT MARKINGS 4" YELLOW HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 6" WHITE	HOT-APPLIED PAINTED HOT-APPLIED PAINTED 8" WHITE HOT-APPLIED PAINTED	12" WHITE HOT-APPLIED PAINTED	PAVEMENT LEGEND, ARROWS AND MRKGS 6" BLACK AGGREGATE COVER-UP RESIN	8" BLACK AGGREGATE	PAVEMENT MARKINGS 10" BLACK AGGREGATE COVER-UP RESIN PVT. MRKGS 14" BLACK AGGREGATE	디 COVER-UP RESIN PVT.	CONSTRUCTION SIGNS										
MPT3-01	IIIX	730		LA LA	4	DAI	DAT					<u> </u>		-'	<u> </u>				113										
MPT3-02		730									555 555	139	1	39	111	0 278	1	139	72										
MPT3-03		1460								1	.119 1116	559	800 1	79	314	3 560	164 2	238	72										
MPT3-04		730								3	3450 3115	1100	338		533	9 550	607		73										
MPT3-05		730		7						4	324 4252	890	2193	59	438	5 553		66	72										
MPT3-06		1460	74	27						3	3398 3104	1053	232		219	4 553		22	110										
MPT3-07		2190		14						2	2045 2041	1010	1	61	199	8 500			56										
MPT3-08										3	3468 3683	1807	1435 1	61	200	7 721	784 1	105	64										
MPT3-09		1460								4	314 4008	1677	2010	51	732	5 609	619		32										
MPT3-10		730								3	3583 3619	1431	1271 2	87	722	0 856		92											
MPT3-11										2	2557 2556	601	1212 3	37	683	8 633	1986	32											
MPT3-12										2	2996 2983	576	1371 2	32	460	0 576	600 5	502	16										
MPT3-13										3	3465 4732	575	140		657	6 690	1605	185	187										
MPT3-14		2920								2	2204 2280	525	247	57	528	3 550	305	20											
MPT3-15										2	2776 2757	550	810 3	05	524	8 550	1389 2	269	198										
MPT3-16		2920								2	2630 2620	548	927	3	546	7 545	979		185										
MPT3-17		730			4					1	.769 1748	437			296	2 279			174										
MPT3-18		730			4					1	.483 1178	276	632		109	5	213		138										
MPT3-19		1460									439 439	80			675	5			128										
MPT3-20		2920																	79										
MPT3-21											18 18								64										
MPT3-22	480	1460								1	.170 2015																		
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SUBTOTA	-	 	-	48	12	+		LS	LS L	_	7763 48819			_			9251 1					+-+	-					+ -	
UNASSIGNE		1100	4	3	1	1 1					2389 2441					_	463		92					 		 		1	
TOTA	L 504	LS 24528	78	51	13			LS	LS L	LS 5	0152 51260	14526	14299 21	.75	7713	88 9453	9714 1	754 1	1925										

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

MCS CLR





RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB TO I-84 EB CME Associates, Inc. 101 East River Drive, 1st Floor East Hartford, CT 06108

HARTFORD EAST HARTFORD DETAILED

ESTIMATE SHEET

ROJECT NO. **63-703** DRAWING NO.

GEN-18 SHEET NO. **01.01.05.12**

01.04.10 STAGE 4 M&PT ITEM NUMBER ITEM UNIT 193 2190 324 24 162 MPT4-01 2266 10 1110 | 139 935 139 MPT4-02 179 2245 | 1244 | 670 | 2235 559 800 MPT4-03 2579 3185 723 338 2468 1761 875 33 MPT4-04 2228 | 1219 | 268 2197 4004 638 423 59 32 MPT4-05 2180 598 730 2190 1103 1020 78 MPT4-06 3277 511 1410 56 730 161 MPT4-07 3813 | 1637 | 3233 | 5812 | 1622 | 1435 | 161 | 33 MPT4-08 6542 1537 1897 8432 1677 2010 1460 61 MPT4-09 7202 | 1431 | 1271 | 287 | 32 730 4344 | 1521 | 2840 | 174 MPT4-10 5113 601 601 691 514 MPT4-11 2300 676 455 419 3675 288 922 MPT4-12 7877 575 2341 745 2400 MPT4-13 2642 4574 525 730 529 57 110 MPT4-14 713 | 1220 5533 550 305 810 MPT4-15 2665 547 | 1180 | 63 5250 548 927 93 110 730 MPT4-16 3517 437 1460 1746 1781 437 27 145 MPT4-17 157 730 27 MPT4-18 1460 238 126 MPT4-19 2920 128 MPT4-20 500 200 200 36 79 MPT4-21 1175 MPT4-22

				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	-
				THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	
=\/	DATE	DEVISION DESCRIPTION	SHEET NO	Plotted Date: 9/16/2019	1

78

12

SUBTOTAL LS | 13870 | 74 | 131

TOTAL LS 14564

UNASSIGNED

DESIGNER/DRAFTER:

MCS

CHECKED BY:

CLR

LS 45618 45276 16977 15663 2180

2281 2264 849 784 109

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-STG4.dgn

73250 11422 10767 1839 1392

3663 571 539 92 70

76913 11993 11306 1931 1462



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

HARTFORD
EAST HARTFORD
RAWING TITLE:
DETAILED

ESTIMATE SHEET

63-703
DRAWING NO.
GEN-19
SHEET NO.
01.01.05.13

REMOVAL OF EXISTING
OVERHEAD SIGNING
REMOVAL OF EXISTING
SIGNING ITEM UNIT 2472 SPM-01 SPM-02 163 SPM-03 1110 1110 710 2220 710 413 SPM-04 174 1870 | 1870 | 1170 3740 1170 1840 SPM-05 2370 | 2350 | 1680 | 1070 1068 4480 | 1680 | 1070 SPM-06 56 2900 | 2900 | 1210 | 1320 | 4370 | 1100 | 1320 544 SPM-07 205 7730 860 2060 280 SPM-08 2210 | 2210 | 1110 2940 3240 1110 790 44 390 933 390 SPM-09 480 3270 480 4810 1130 930 1051 2410 | 2410 | 1140 | 930 SPM-10 7020 | 1680 | 2820 | 520 5890 520 4080 | 3890 | 1680 | 2820 | SPM-11 234 1039 110 5800 | 5820 | 1810 | 3150 | 1460 | 11300 1800 2830 110 SPM-12 766 106 4350 | 4510 | 1550 | 2860 560 6180 8490 | 1550 | 2880 | 560 SPM-13 3310 | 3310 | 910 | 910 | 560 3820 5510 910 950 560 116 SPM-14 120 40 2300 | 2300 | 1160 | 1050 | 4600 | 1160 | 1040 | 240 240 3050 SPM-15 3270 | 3280 | 1020 | 2680 | 2790 | 6540 1020 2680 1042 | 128 SPM-16 300 3410 790 92 2820 2820 790 SPM-17 6450 830 1670 290 337 80 3680 3140 830 1670 3460 290 4090 SPM-18 2710 | 2600 | 670 | 1480 | 3980 670 1480 128 40 SPM-19 1760 | 1760 | 3510 SPM-21 3800 400 1900 | 1900 | 400 422 | 48 SPM-22 5790 3350 2650 70 2070 728 32 60 | 1740 2580 1140 60 1210 | 1070 1370 740 SPM-23 3105 240 33 1580 | 1590 | 240 | 680 | 350 1630 SPM-24 SUBTOTAL 106675 19250 24850 3830 0 | 11647 | 1367 | 78 | 59720 | 58260 | 19940 | 25780 | 14132 | 3900 | 70620 22 LS 12 24 3 LS LS LS UNASSIGNED 5334 963 1243 192 2986 2913 997 1289 583 69 707 TOTAL 112009 20213 26093 4022 22 LS LS LS 25 | 12230 | 1436 | 82 | 62706 | 61173 | 20937 | 27069 | 14839 | 4095 | 70620 12 24 LS

SIGNING AND PAVEMENT MARKINGS

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.

REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 8/23/2018

ITEM

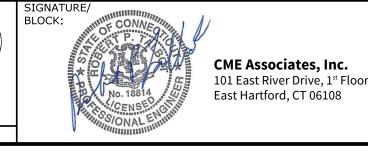
NUMBER

MCS

KED BY:

CLR





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

HARTFORD
EAST HARTFORD
DRAWING TITLE:
DETAILED

ESTIMATE SHEET

63-703
DRAWING NO.
GEN-20
SHEET NO.
01.01.05.14

DETOURS TRAFFIC MONITORING STATIONS 10170514 10/2038 NUMBER REMOVE SERVICE ITEM SF LF EA EA LF EA EA LF LF EA EA EA EA EA EA EA DAY SF UNIT 216 DTR-01 194 DTR-02 104 98 DTR-03 104 95 DTR-04 DTR-05 12 374 192 14 44 DTR-06 44 119 DTR-07 44 DTR-08 44 DTR-09 DTR-10 104 95 DTR-11 14 73 DTR-12 450 14 DTR-13 2130 490 24 500 10 2 135 PROJECTWIDE SUBTOTAL 74 | 1458 | 1944 17 10 2130 24 500 490 4 135 UNASSIGNED 73 TOTAL 78 | 1531 | 2041 2130 490 17 500 10 24 **HARTFORD** MCS 63-703 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.

EAST HARTFORD **DETAILED ESTIMATE SHEET**

GEN-21 01.01.05.15

Filename: ...\HW_MSH_0063_0703_01-06_EST-DTR.dgn

CLR

REVISION DESCRIPTION

REV. DATE

SHEET NO. Plotted Date: 8/16/2018

STATE OF CONNECTICUT **DEPARTMENT OF TRANSPORTATION**



RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING **CME Associates, Inc.** 101 East River Drive, 1st Floor OF I-91 NB AND ROUTE 5/15 NB East Hartford, CT 06108 TO I-84 EB

IMS-01																																						
IMS-02	2				1110		212	.20 3050 :	110	110					8	9 502	ס		3600									1	270									\perp
IMS-03	6		70		3030		308	80 3390		630					11	16 437	3300		5450									2	230									
IMS-04	2		30		500		21	10 550		60					2	2 744	5600		3980									1	310									
IMS-05	1				60			60	60																													\perp
IMS-06	1																																					\perp
IMS-07	1																																					
IMS-08	1				780						60 790			1					850																			
IMS-09	2				890 1						350	580							930							=												
IMS-10																																						
IMS-11																																						
IMS-12	1				180							180							470							:			470									
IMS-13					1060						130	940	240						1080	2						2	2		1100									
IMS-14					850						850	20							1140	1						:	-		1160									
IMS-15					1110						490	650							1160	1						:	-		1190									
IMS-16	1				210							210							740							:	-		750									\Box
IMS-17																																						
IMS-18																																						
BP-01-03																													180	00								
CCTV-01			18		970 1	1		970								4	5120	1			1		1	1 1	1	1	1	L										
CCTV-02																																						
CCTV-03																											1											
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SUBTOTAL	18		100 30		10260 3	1	54:	10 8020 :	170	800	60 2610	2580	240	1	21	31 1683	0 1402) 1 1	9400	4	2		1	1 1	1	1 7	, 2	2 5	310 4670 180	00	67	2 67	2 720	720		42	10 42	2
ASSIGNED		50	5 2		513					40		129				842	 	+	970		LS	LS							66 234 90	-		\dashv	+		LS			\dashv
TOTAL	 		105 32	+	10773 3	1					63 2741	1	 	1	21		2 1472	+	20370	4	2 LS	LS	1	1 1	1	1 -	, 2		576 4904 189	-		2 67	2 720	720	+ +	42	10 42	$\frac{1}{2}$

01.05 INTELLIGENT TRANSPORTATION SYSTEMS

REMOVE CABLE

HR EA EA LF LF EA LF EA LS LS EA EA EA EA EA

RACK MOUNT OPTICAL VIDEO/DATA RECEIVEF

FIBER OPTIC CABLE SPLICE ENCLOSURE

RELOCATION OF I-91 NB

INTERCHANGE 29 AND WIDENING

OF I-91 NB AND ROUTE 5/15 NB

TO I-84 EB

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

East Hartford, CT 06108

HARTFORD

EAST HARTFORD

DETAILED

ESTIMATE SHEET

63-703

GEN-22

01.01.05.16

DRAWING NO.

CONCRETE HANDHOLE

STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-IMS.dgn

MCS

CLR

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.

SHEET NO. Plotted Date: 8/23/2018

REVISION DESCRIPTION

REV. DATE

NO. 2 SINGLE CONDUCTOR

3 INCH RIGID METAL
CONDUIT IN TRENCH
2 INCH RIGID METAL
CONDUIT UNDER
ROADWAY
4 INCH RIGID METAL
MULTIDUCT CONDUIT
SURFACE
4 INCH RIGID METAL
MULTIDUCT CONDUIT
UNDER ROADWAY
4 INCH PVC
MUNDER ROADWAY
5 IN TRENCH
IN TRENCH
IN TRENCH
EXTRA HEAVY WALL
CLEAN EXISTING
CONDUIT

ITEM

NUMBER

ITEM

UNIT

STRUCTURES: BRIDGES, CULVERTS AND WALLS

ITEM NUMBER		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			8 /0000 N				20°2, 20°2,	20090Y	22, 20 , 20 , 20 , 20 , 20 , 20 , 20 ,			0,21601.5	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					41001 41001 1021		Z,	051201.52	0,57,437,00	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0520 200364	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	05200414	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2520 2500 2500 2500 2500 2500 2500 2500		400 ^{2,1}	75 / 75 / 75 / 75 / 75 / 75 / 75 / 75 /	25/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	055/2430 V V V V V V V V V V V V V V V V V V V
ITEM	Y MONITORIN	CONDITION SURVEY (SITE NO. 3)	CONDITION SURVEY (SITE NO. 6)	CONDITION SURVEY (SITE NO. 7)	STRUCTURE EXCAVATION - EARTH (COMPLETE)	HANDLING WATER (SITE NO. 2)	HANDLING WATER (SITE NO.8)	LIGHTWEIGHT FILL	UNDERPINNING (SITE NO.	UNDERPINNING (SITE NO. 6)	GRANULAR FILL	COMPACTED GRANULAR FILL	PERVIOUS STRUCTURE BACKFILL	CONTROLLED LOW STRENGTH MATERIAL	PMA S0.5	MATERIAL FOR TACK COAT	MICRO-MILLING OF BITUMINOUS CONCRETE	REMOVAL OF EXISTING WEARING SURFACE	REMOVAL OF BRIDGE DECK CONCRETE	REMOVAL OF SUPERSTRUCTURE (SITE NO. 12)	GROUND IMPROVEMENT (SITE NO. 3)	GROUND IMPROVEMENT (SITE NO. 6)	JACKING FOR BEARING REPLACEMENT	RECONSTRUCT CONCRETE DECK AND BACKWALL	PERMANENT ANCHOR TIEBACK SYSTEM	SHEAR CONNECTORS BRIDGE SCUPPER	1 1/2" POLYVINYL CHLORIDE PLASTIC PIPE (BRIDGE)	8" PIPE FOR BRIDGE DRAINAGE	10" PIPE FOR BRIDGE DRAINAGE	16" PIPE FOR BRIDGE DRAINAGE	NSIONING PIER	ELASTOMERIC CONCRETE HEADER	ASPHALTIC PLUG EXPANSION JOINT SYSTEM	STRIP SEAL EXPANSION JOINT SYSTEM FOR REHABILITATION PROJECTS	PREFORMED JOINT SEAL PREFABRICATED EXPANSION	JOINT (MOVEMENT CAPACITY 7") PREFABRICATED	EXPANSION JOIN! STSTEIN INSTALLATION OF FINGER	BEARING REPLACEMENT WITH ELASTOMERC	BEAKING PADS STEEL-LAMINATED ELASTOMERIC BEARINGS	POT, SPHERICAL OR DISC BEARINGS (200 Kips)	POT, SPHERICAL OR DISC BEARINGS (350 Kips)	RICAL (450 K	(500 Kips) RICAL OR DISC	Kips)
UNIT		LS	LS	LS	CY	LS	LS	CY	LS	LS	CY	CY	CY	CY	TON TO	ON GA	L SY	SY	CY	LS	LS	LS	EA	CY	EA	EA EA	LF	LF	LF	LF	LF	CF	CF	LF	LF I	_F LI	LF	EA	EA	EA	EA	EA E	EA EA	Ā
BRIDGE NO. 02555																_		-		-															-			+	+	+	 			_
BRIDGE NO. 03244					200	LS					100		100	245	650 45	10 00	2 2 2 2 2	1160	200	<u> </u>			150			4000						2.45	170		100		+-	1.50		+	 		+	\dashv
BRIDGE NO. 00813		LS			390				LS		190		180	215	650 17	70 29	2720	1460	300	 	LS		152			4300	80					245	170		100		—	160	36	+	 		+	\dashv
BRIDGE NO. 03613					20						5		230			_		<u> </u>		<u> </u>																				+	 			_
BRIDGE NO. 03614																				 																		+		+	 			\dashv
BRIDGE NO. 01466			LS		360					LS	40		60	55		0 14	_	+	+	 		LS	96			1000	60					143	100		90			96	_	+	\longrightarrow		+	\dashv
BRIDGE NO. 00480	6		-	LS	420			290			30	20		5	220 6	0 10	870	530	110				38		4	350	15						100	2	.80			38	4					\dashv
BRIDGE NO. 06654					40		LS						190					1		1														_							 			\dashv
BRIDGE NO. 05922															630		5590																	270					+					\dashv
BRIDGE NO. 06947					2310			2280			240	60				30 25		-		<u> </u>						9700	100			-+	130				60		48					6	6	,
BRIDGE NO. 06000A & B	4				1340			1990			140	50	200		6190 11	70 134	0 52500	5380	905	+						8500 10	110	140	50	20				2	250 1	40 47)			2	3		5	_
BRIDGE NO. 06000C					470															LS															\perp									_
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BRIDGE NO. 05796					1400							85	1200		370 19	90		2900	75	<u> </u>				23		766	20					125	150	5	550			4—	4	 	$\perp \perp \downarrow$			_
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SUBTOTAL	12	LS	LS	LS	7880	LS	LS	7650	LS	LS	875	1015	2500	275	9490 22	40 212	0 63000	15930	1610	LS	LS	LS	286	59	4	24616 10	395	140	50	20	130	513	830	270 3	340 1	40 47	0 48	294	60	2	3	6	5 6	5
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TOTAL		LS	LS	LS	7880	LS	LS	7650	LS	LS	875	1015	2500	275	9490 22	40 212	0 63000	15930	1610	LS	LS	LS	286	59	4	24616 10	395	140	50	20	130	513	830	270 3	340 1	40 47	0 48	294	60	2	3	6	5 6	5
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STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...\HW_MSH_0063_0703_01-06_EST-STR.dgn

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SHEET NO. Plotted Date: 8/16/2018

REVISION DESCRIPTION

REV. DATE



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

HARTFORD EAST HARTFORD DETAILED ESTIMATE SHEET

ROJECT NO. **63-703** DRAWING NO.

GEN-23 SHEET NO. **01.01.05.17** STRUCTURES: BRIDGES, CULVERTS AND WALLS

ITEM NUMBER	\$\f\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	85,540 N	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	00075	/ K.2012/24	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	107108	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	06043	P875,	46pc /090	P1507	PESC / 09/09/0	Ppc 90000	70000 7090	Z	\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	P5; 0002090	900500	000/28974	- \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Z / Z/S/S/S/		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\	80,508 V.Y.Y.	003484 060,	A16812	Program	25.87 0003480	2 00035 A	0,00,007	0003033A	06036 24.52620	06032744	%03/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	\(\langle \frac{\partial \chi_{\infty}^2 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		0603805.03	\$\frac{1}{50}\\ \frac{50}{50}\\ \frac{50}{50}\	\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0003070 15x	-
ITEM	POT, SPHERICAL OR DISC BEARINGS (750 Kips)	OOT, SPHERICAL OR DISC 3EARINGS (1100 Kips)	SPHERIC INGS (12	1400 Kips) ICAL OR DIS	.e. E.	CLASS "50" CONCRETE	CLASS "S" CONCRETE	CLASS "F" CONCRETE	FULL DEPTH PATCH (HIGH	CLASS "60" CONCRETE	PARTIAL DEPTH PATCH	POST-TENSIONING TENDONS	RETAINING WALL (SITE NO. 1)	RETAINING WALL (SITE NO. 3)	RETAINING WALL (SITE NO. 4)	RETAINING WALL (SITE NO. 6)	RETAINING WALL (SITE NO. 7)	STAIN PROTECTION (SITE NO. 10)	STAIN PROTECTION (SITE NO. 15)	DEFORMED STEEL BARS	DEFORMED STEEL BARS - EPOXY COATED	DOWEL BAR SPLICER SYSTEM - EPOXY COATED	ORILLING AND GROUTING REINFORCING BARS	DRILLING AND GROUTING ANCHOR BOLTS	CLEAN AND COAL EXPOSED REINFORCING STEEL REPAIR DEFECTIVE WELDS	STRUCTURAL STEEL (SITE) STURAL STEEL	REPAIRS (SITE NO. 11) CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE		ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO.6)	ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO.7)	ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 11)	SRATING	AINMENT	PREPARATION DEBRIS (SITE NO. 6) CLASS 1 CONTAINMENT AND	COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 11) CLASS 1 CONTAINMENT AND	COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 3)	ANODES OCALIZED PAINT REMOVAL	AND FIELD PAINTING OF	SYSTEM NO. 1	TEMPORARY SUPPORT SYSTEM (SITE NO. 3)		RUCTURAL STEEL 3. 3) MOVAL OF EXISTI	TRUCTURAL STEEL (SITI	STRUCTURAL STEEL (SITE NO. 6)
UNIT	EA	EA	EA E	A E.	A CY	CY	CY	CY	CY	СҮ	CF	LB	LS	LS	LS	LS	LS	LS	LS	LB	LB	EA	LF	LF	LF LF	LS	LS	S LS	LS	LS	LS	LS	SF	EA	LS	LS	LS	EA	LF	LS	LS	LS		LS	
BRIDGE NO. 02555						+	1			+		<u> </u>		<u> </u>								+				+			+	<u> </u>	 							34					+		
BRIDGE NO. 03244 BRIDGE NO. 00813					390	+	25	860	0 10	+	80			1						57000 2	11000	+	3300	60	1650 5	15			LS		1			-			LS	1573	6353		LS	+	LS	-+	-
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BRIDGE NO. 03614						+	+ -	+		+	+	1		 						1100		+				+		+	+	+	1			-+					\dashv	-+	+	+	+	+	\dashv
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BRIDGE NO. 06043A & B					260	170		90	10	+	290	12000								42100 4	4100		330		30																$\overline{}$			\neg	\neg
BRIDGE NO. 05796					590		1	270) 1	1	260								LS 7	71800 6	51900		710		10													4						LS	
WALL NO. W103A AND W103B					1100)							LS							79000																					_				
WALL NO. W104A AND W104B														LS	LS																									$\overline{}$				\top	
WALL NO. W105					320					1									:	28000																					\top			\top	
WALL NO. W106																LS																												\top	
WALL NO. W107																	LS																												
RETAINING WALL 63-434-103					100														:	12000			490																						
SUBTOTAL		4	3 7	7 2	6610	170	38	677	0 304	240	5060	12000	LS	LS	LS	LS	LS	LS	LS 7	715960 16	533300	419	6920	90	2080 15	LS	LS	S LS	LS	LS	LS	LS	1767	2	LS	LS	LS :	2085 2	23577	LS	LS	LS	LS I	LS	LS
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STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

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SHEET NO. Plotted Date: 8/16/2018

REVISION DESCRIPTION

REV. DATE

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

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

HARTFORD
EAST HARTFORD

DRAWING TITLE:
DETAILED
ESTIMATE SHEET

PROJECT NO.
63-703

DRAWING NO.
GEN-24

SHEET NO.
01.01.05.18

ITEM		STRUCTURAL STEEL (SITE NO. 15) STRUCTURAL STEEL (SITE	STRU NO.	CLE/	MICROPILES	VERIFICATION TEST FOR MICROPILES	PROOF TEST FOR MICROPILES	MICROPILE LENGTH ADJUSTMENT	BITUMINOUS COATING FOR	FURNISHING STEEL PILES	PRE-AUGERING OF PILES	DRIVING STEEL PILES SPLICING STEEL PILES	POINT REINFORCEMENT FOR STEEL PILES	TEST PILE (STEEL HP 12 X 84 - 90' LONG) TEST PILE (STEEL HP 14x102 - 200' LONG)	DYNAMIC PILE DRI' ANALYSIS (P.D.A.)	MEMBRANE WATERPROOFII LIQUID ELASTC	DAMPPROOFING TEMPORARY SHEET DILING	(RAILROAD)	TEMPORARY EARTH RETAINING SYSTEM CRUSHED STONE FOR	CONCRETE BLOCK SLOPE PROTECTION	GEOTEXTILE (SEPARATION-HIGH SURVIVABILITY)	PAVED DITCH	CONCRETE (STRUCTUR	RELOCATED TEMP PRECAST CONCRE BARRIER CURB (S	METAL BRIDGE RAIL PROTECTIVE FENCE 5' CHAIN LINK FENCE (BRIDGE)		NOISE BARRIER WALL - TRANSPARENT (STRUCTURE)	REMOVE NOISE BARRIER WALL (STRUCTURE)	REMOVAL OF EXISTING MASONRY	CONCRETE HAUNCH REMOVAL	2 1/2" FIBERGLASS CONDUIT IN STRUCTURE	3/4" RIGID METAL CONDUIT IN STRUCTURE	2" RIGID METAL CONDUIT IN STRUCTURE		RESET FIRE SUPPRESSION SYSTEM			
UNIT BRIDGE NO. 02555	LS	LS LS	LS	<u>LF</u>	EA	EA	EA	LF.	LF	LB	LF	LF EA	EA	EA EA	EA	SY S	SY	SF	SF TON	I SY	SY	SY	LF _	LF	LF LF 60	SF	SF	LF	CY	LF	LF	LF	LF	EA	EA			
BRIDGE NO. 03244			+	+				+		+											+	+ +			30										 	+		
BRIDGE NO. 00813				1												2930	80		40			+ +	580	300					90		20		400	4	\vdash			
BRIDGE NO. 03613										1												+ +			30													
BRIDGE NO. 03614																									30										 	+		
BRIDGE NO. 01466										1						1340	45		20				340	170					30		20		200	3	<u> </u>			
BRIDGE NO. 00480	LS			†	41	1	2	185		†			+				140					+ +		220					55	4000	20		155	4		+		
BRIDGE NO. 06654				1						1						130													70									
BRIDGE NO. 05922																																						
BRIDGE NO. 06947		LS							13240	1112200	8010	13240	203	7	7	4870 5	590		740	85		1 1										200	1000	6				
BRIDGE NO. 06000A & B			LS	189					11800	990600	4520	11800	138	4	4	9200 3	320 2	200	120			57	5500	4610	1214				460				900	6	1			
BRIDGE NO. 06000C																	3	390											710									
BRIDGE NO. 06043A & B									7470	762000	920	7470 76	38	2	2	4800 1	150	7	2400	90	140								50		16		180	4				
BRIDGE NO. 05796		LS														3200 3	350	4	4000	80	245						2700	630	210	2800			50					
WALL NO. W103A AND W103B																5	580		700										320									
WALL NO. W104A AND W104B																																						
WALL NO. W105																2	220		100												10		150	2				
WALL NO. W106																										11000								1				
WALL NO. W107																										6430		345	100									
RETAINING WALL 63-434-103																													260		20		100	2				
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SUBTOTAL	+	1 1	1	189	41	1	2	185	32510	2864800	13450	32510 76	379	11 2	13	27440 2	475 5	590 8	8060 60	255	385	57	6530	5300	1214 150	17430	2700	975	2185	6800	96	200	3155	8	1			
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TOTAL	. 1	1 1	1	189	41	1	2	185	32510	2864800	13450	32510 76	379	11 2	13	27440 2	475 5	590 8	8060 60	255	385	57	6530	5300	1214 150	17430	2700	975	2185	6800	96	200	3155	8	1			

ROJECT NO. **63-703**

DRAWING NO.

GEN-25

SHEET NO. **01.01.05.19**

HARTFORD

EAST HARTFORD

DETAILED

ESTIMATE SHEET

RELOCATION OF I-91 NB

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

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

STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-STR3.dgn

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SHEET NO. Plotted Date: 8/16/2018

STRUCTURES: BRIDGES, CULVERTS AND WALLS

ITEM NUMBER

REV. DATE

REVISION DESCRIPTION

STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-STAGING.dgn

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SHEET NO. Plotted Date: 8/16/2018

REV. DATE

REVISION DESCRIPTION



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

HARTFORD
EAST HARTFORD

DRAWING TITLE:
DETAILED
ESTIMATE SHEET

PROJECT NO.
63-703

DRAWING NO.
GEN-26

SHEET NO.
01.01.05.20

ITEM	.R	REMOVAL OF BITUMINOUS TYPE PAVEMENT	ΙĖŽ	FORMATION OF SUBGRADE	PROCESSED		PMA S0.5	HMA S1.0	HMA S0.5		HMA S0.25	MATERIAL FOR TACK COAT	FINE MILLING (0" TC 4")	MILLING FOR	PAVEMENT TRANSITIONS	REMOVAL OF RUMB STRIPS	TYPE 'C' CATCH BAS 0' - 10' DEEP	TYPE 'C-L' CATCH			RESET CATCH BASI	CONVERT CATCH BASIN TO TYPE C CATCH BASIN	CONVERT CATCH BASIN TO TYPE C-L	CATCH BASIN CONVERT CATCH	DASIN TO TIPE C-IN CATCH BASIN TYPE 'C-L' CATCH	BASIN TOP DOUBLE GRATE TYPE 1	HEAVY DUTY TYPE C	REMOVE DRAINAGE STRUCTURE - 0'-10' DFFP	CAP EXISTING CATC BASIN	15" R.C. PIPE 0'-10' DEEP	1 .;	DEEP 15" HIGH DENSITY	0'-10' DEEP 18" HIGH DENSITY	POLYETHYLENE PIPE 0'-10' DEEP 15" REINFORCED	CONCRETE DRAINA PIPE END	CONCRETE PIPE CONNECTION	REMOVE EXISTING - 0'-10' DEEP	TIMBER DECK	MODIETED BIBBAB	MODIFIED KIFKAF BITUMINOUS	CONCRETE PARK CURBING	TEMPORARY PRECA: CONCRETE BARRIER CURB	TED	CONCRETE BARRIER CURB	TEMPORARY PRECA CONCRETE BARRIE	AR TEC	CONCRETE BARRIE	LLARD	ATTACHMENT ASSEMBLY	4' CHAIN LINK GATE HIGH	TEMPORARY 6' CHA	} < ≥	CHAIN LINK FENCE TEMPORARY 20' CH LINK DOUBLE GATE	[PROTECTIVE FEINCE	SIDEWALK SHED
UNIT	CY	SY	LF	SY	CY		ON 22	TON	ТО		TON	GAL	SY			LF 1548	EA	EA	E	A	EA	EA	EA	E	Α	EA	EA	EA	EA	LF	LF	<u>F L</u>	F	_F	EA	EA	LF	SF	C	Y	LF	LF	+	<u>LF</u>	LF	<u>L</u> F	<u>-</u> F	EA	EA	EA	LF			. LF		LF
STG-01	270	1710	2005	2071	654	_	-+	1025	24				8760		_	-		_		\perp	12			+-	+	\dashv	12			+	+	6		1.4	-+			+	+ -	<u> </u>		766	+	271	720	+		+			+-	+-	+	+	+	
STG-02				+	+		_		+				1886	_	+	1658		 	•		13	1	2		<u>-</u>	\dashv	13	1		 	+	 		14				1		,		766	+	528		55		+			+	+	+		+	
STG-03					+	+							2118	_	F2 .	100		+			12		3		_	\dashv	- Г			25	1.0	5		57				+		2		1718	+	.568	379	26	<u>'</u>	+			+	+-	+	+-	+,	174
STG-04	246	3383	841	3465	456		_	855	39	19 /	766	1/58	1788	_	_			 		_	10					\dashv	<u> </u>			25	19			50	2			+		. 6	520	1367	+	434		_	+	+			+	+	+	+	+	174
STG-05				-		_	309			+			1572	+	_	1671		_		+					_	\dashv				+	+	3			-+			+	+ -	<u> </u>		1000	+	260		+	+	+	-		+-	+-	+	+	+	
STG-06	265	1641	1005	1620	260		387		1.0	00 6	C1 F	1104	2510		_	2766		 		-					-	<u>_</u>			1	49	+	3	'		-+		40	1	+-	<u> </u>		924	+	635		-	+	+			+	+-	+	+-	+	
STG-07				+	+	_							3335			+		1		+	8					2	5	1	1	1	+	_					48			<u> </u>		3645	+	8834			+	-+			+	+	+		+	
STG-08	20	1648	555	1641	. 361			566	18				2947					<u> </u>	•	2	1							2		22						_	22					2968	+	743			+	+			+	+	+		+	
STG-09						+	368				89	124				246		_								-+				 					1	2		160	'			2339	+-	714			+				+	90	+	325	<u> </u>	
STG-10				1			923			_			1671	+				_								-+				<u> </u>	+-								+			1885	+	033			+	\dashv			+	+-	+-	+-	+	
STG-11				1277	+	_	-+		+				2302	_		2222		 			1					_				-	+	-						-	+	_		2847		338			+	-+			+		+		-	
STG-12				+	+	_							1537		_	2867		_	-	-					+	\dashv				<u> </u>	+		-	-				1	+	-		1068	+	223		-	+	_			+	_	+	+-	+	
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STG-14						+	979						1809	+	-+	2583		_								_	2			<u> </u>		3	5						1	L		1967	+	521			+				+		+		+	
STG-15						_	201						1044	-	2	2237		_								\dashv				<u> </u>									\bot			799	+	057			+				 		+		4	460
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ITEM	BITUMINOUS CONCRETE SIDEWALK	S CALCIUM CHLORIDE FOR DUST CONTROL	WATER FOR DUST CONTROL	TYPE DE-7A DELINEA	TYPE	PROTECTION AND SUPPORT OF EXISTING UTILITIES	TRUCK-MOUNTED OR TRAILER- MOUNTED IMPACT ATTENUATOR	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 200LB.	 		ATTENU MODUL	ATT	IMPACT ATTENUATION SYSTE TYPE A MODULE 700 LB RELOCATION OF TEMPORARY	IMPACT ATTENUATION TYPE A MODULE 1400 RELOCATION OF TEMI	IMPACT ATTENDATION STST TYPE A MODULE 2100 LB RELOCATION OF TEMPORAR IMPACT ATTENUATION SYST	TYPE A MODULE 200 LB RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTE	TYPE A MODULE 400 LB																
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DATE REVI	SION DESC	RIPTION		SHEET I		F WORK WI			RED.					EPA	KIME	NI C)F I	RANSPORTATION T-STAGING2.dgn		No. 1	NSE CANAL East	Hartford, CT	06108	OF	I-91 NB AND TO I				¹ 15	NB	D		LED SHEET

REV. DATE

ROJECT NO. 63-703

DRAWING NO.

GEN-27

SHEET NO. **01.01.05.21**

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IIEM	ARE PART		TION - TYPE	FOUNDALION - LYPE III LIGHT STANDARD (ANCHOR BASE) (10' BRACKETS, 30'	HEIGHT) NDARD (A BRACKET	MOUNTING HEIGHT) ALUMINUM LIGHT STANDARD (ANCHOR BASE) (12' BRACKET, 40'	MOUNTING HEIGHT) ALUMINUM LIGHT STANDARD (ANCHOR BASE) (TWIN 12' BRACKET, 40'	MOUNTING HEIGHT) ALUMINUM LIGHT STANDARD (6' BRACKET, 30' MOUNTING	HEIGHT) ALUMINUM LIGHT STANDARD (12' BRACKET, 30' MOUNTING	HEIGHT) ALUMINUM LIGHT STANDARD (12'	BRACKET, 40' MOUNTING HEIGHT) ALUMINUM LIGHT STANDARD (15'	BRACKET, 40' MOUNTING HEIGHT) ALUMINUM		BRACKET, 40' MOUNTING HEIGHT) ALUMINUM	BRIDGE INSPECTION RECEPTACLES (SITE NO. 1)	BRIDGE INSPECTION RECEPTACLES (SITE NO. 2)	REMOVE LIGHT STANDARD	REMOVE CONCRETE LIGHT STANDARD BASE	REMOVE AND RELOCATE LIGHT STANDARD	REMOVE EXISTING LUMINAIRE	ROADWAY LUMINAIRE - HIGH PRESSURE SODIUM (200 WATT)	LED LUMINAIRE	LED LUMINAIRE - TYPE 1	LED LUMINAIRE - TYPE 2	LED LUMINAIRE - TYPE 3	UNDERBRIDGE LUMINAIRE LED (WALL MOUNTED)	UNDERBRIDGE LUMINAIRE LED (PENDANT MOUNTED)	REMOVE UNDERBRIDGE LUMINAIRE	3" POLYVINYL CHLORIDE CONDUIT IN TRENCH	2½" FIBERGLASS CONDUIT - SURFACE	2½" FIBERGLASS CONDUIT IN TRENCH	2½" FIBERGLASS CONDUI IN MEDIAN BARRIER	2 1/2" FIBERGLASS CONDUIT UNDER ROADWA 18" X 12" X 8" CAST IRON JUNCTION BOX	× 10" -MET	16" X 14" X 6" NEMA 4X NON-METALLIC JUNCTION BOX	CONCRETE HANDHOLE TYPE I REMOVE CONCRETE HANDHOLE	DRAIN	ONDUCT	NO. 2 SINGLE CONDUCTOR	3/4" LIQUID TIGHT FLEXIBLE METAL CONDUIT	CABLE IN DUCT (THREE NO. 2 CONDUCTORS)	REMOVE CABLE	. 8 BARE COPPE OUNDING CONI	T AEKIAL CABLE (3 NO. T 2)	IELUMINATION UNIT	TEMPORARY LIGHT STANDARD ATTACHMENT BRACKET
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ROJECT NO. 63-703

GEN-28

01.01.05.22

DRAWING NO.

HARTFORD

EAST HARTFORD

DETAILED

ESTIMATE SHEET

RELOCATION OF I-91 NB

INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB

TO I-84 EB

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

STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-TLP.dgn

MJG

CLR

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.

SHEET NO. Plotted Date: 8/16/2018

REVISION DESCRIPTION

REV. DATE

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ITEM		LINEAK SYSIEM MODIFICATIONS	GUANO ABATEMENT	ASBESTOS ABA LEAD COMPLAI	ABRASIVE BLA CLEANING & ENVIRONMENT	HEA	MANAGEMENT AND RESTORATION	HAZARDOUS MATERIAL EXCAVATION	CONTROLLED MATERIAL HANDLING	DISPOSAL OF HAZARDOUS WASTE	SECURING, CONSTRUCTING, AND	DIS EN\ WO	SOLID IFICATION DISPOSAL OF CONTROLLED	MATERIALS HANDLING OF	CONTAMINATED GROUNDWATER	DISPOSAL OF LEAD DEBRIS FROM ABRASIVE BLAST																																				
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			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.	MCS CHECKED BY: CLR	STATE OF CONNECTION DEPARTMENT OF TRANSPO
EV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/23/2018		Filename:\HW_MSH_0063_0703_01-06_EST-LANDSCAPE.dgn

STATE OF CONNECTICUT	E
DEPARTMENT OF TRANSPORTATION	
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RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING
OF I-91 NB AND ROUTE 5/15 NB
TO I-84 EB

	EAST	HAR	TFORD
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	ESTIM	IATE	SHEET

OJECT NO. **63-703** RAWING NO.

GEN-30 HEET NO. **01.01.05.24**

HARTFORD	PROJE
EAST HARTFORD	DRAW
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		LANDSCAPE SUBSET																																									
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ITEM	WILDFLOWER BESTABLISMENT	رب WOOD СНІР МULCH	HEMEROCALLIS SPP. P DAYLILY 1 GAL. CONT.	SALIX DISCOLOR, PUSSY WILLOW 24" - 36" HT. CONT.	CORNUS SERICEA, RED SIER DOGWOOD 24" - 36" HT. CONT. JUNIPERUS SABINA	CUPRESSOCYPARIS LEYLANDII, LEYLAND	CYPRESS, 5' - 6' HT. CRATAEGUS	CRUSGALLI 'THORNLESS	TIFOLIA, 18" - 24"	CLETHRA ALNIFOLIA SUMMERSWEET 2' - 3' HT. B.B.	AMELANCHIER CANADENSIS, SHADBLOW	ECT	CORNUS RACEMOSA GRAY DOGWOOD 2' -	CORNUS STOLONIFERA FLAVIRAMEA YELLOW TWIG REDOSIFR	ALNUS RUGOSA, SPECKLED ALDER 18" - 24" HT. B.B.	QUERCUS PALUSTRIS, PIN OAK, 24" - 36" HT. NO.3 CONTAINER	QUERCUS RUBRA, NORTHERN RED OAK, 1 3/4" - 2" CAL. B.B.	QUERCUS RUBRA, NORTHERN RED OAK, 24" - 36" HT. NO.3	ECHINACEA PUPUREA, PURPLE CONE FLOWER, 1 GAL. CONTAINER	RUDBECKIA HIRTA, BLACK EYED SUSAN 1 GAL. CONTAINER	ILEX VERTICILLATA COMMON WINTERREPRY 2' - 3'	SOLIDAGO JUNCEA F (EARLY GOLDENROD) 1	SYRINGA PATULA "MISS FIM", MISS KIM LILAC, 18" - 24" HT	HAMAMELIS VIRGINIANA, WITCH HAZEL 18" - 24" HT.	I;;; () ()	PICEA ABIES, NORWAY P SPRUCE, 3' - 4' HT. B.B.	AATICA SUMAC 18" -	SEDUM AUTOMN JOT , AUTOMN JOY SEDUM 1 GALLON CONTAINER VIBURNUM DENTATUM	ARROWWODD VIBURNUM 2 - 3' HT. B.B. VIBURNUM LENTAGO	VIBURNUM 18" - 24" PICEA ABIES NORWAY SPRUCE 6' - 8' HT, B.B.	PICEA PUNGENS COLORADO SPRUCE 5' - 6' HT. B.B.	AMELANCHIER P CANADENSIS SHADBLOW		GRANDIFLORA "AUTUMN BRILLIANCE", "ACER RUBRUM RED MAPLE	ACER RUE MAPLE 2"	LIQUIDAMAR STYRACIFLUA,	AMERICAN SWEE1 ASCLEPIS TUBEROSA - B BUTTERFLY WEED 1 GALLON CONTAINER	MYRICA PENNSYLVANICA, NORTHERN BAYBERRY,		LIRIODENDRON TULIPIFERA TULIPTREE 1 3/4" - 2" CAL. B.B.	QUERCUS PALUSTRIS PIN OAK 2" - 2 1/2" CAL. B.B.		CONSERVATION SEEDING FOR SLOPES WETLAND GRASS ESTABLISHMENT SFLOODPLAIN SEED MIX
LDS-01	LD.	5.Γ.	EA.	EA.	<u>EA.</u> E/	4. CA	1. [EA.	EA.	EA.	EA.	L.F.	LA.	LA.	EA.	EA.	EA.	EA.	<u>EA.</u>	EA.	LA.	LA.	LA.	LA.	EA.	LA.	EA.	EA.	<u>-A. C</u>	. <u>EA.</u>	EA.	LA.	EA.	CA. CA	. <u> </u>	LA.	+ CA.	LA.	EA.	EA.	EA.		274 3.F 3.T.
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LDS-14		650			15	5	•	3	10	5	10		8	15		25	3	25	30	30	5	 	15	<u> </u>	6	5			7	4	4	6		40	2	+		12					2510
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LANDSCAPE SUBSET

ENVIRONMENTAL LANDSCAPING ITEM NUMBER ITEM UNIT 21 1559 ELP-01 18 1545 10 ELP-02 10 5358 10 ELP-03 2026 ELP-04 1873 ELP-05 5 3166 ELP-06 ELP-07 6245 ELP-08 ELP-09 20 11795 20 50 50 ELP-10 9134 ELP-11 12 6 6 2160 ELP-12 2554 ELP-13 3448 ELP-14 19 | 15 2899 ELP-15 ELP-16 ELP-17 50 50 SUBTOTAL 58 20 49 60 50 75 53762 UNASSIGNED 238 75 54000 20 60 50 50 49 50 STATE OF CONNECTICUT **HARTFORD** KCS 63-703 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. CLR

DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0063_0703_01-06_EST-ENVIRON_LANDSCAPE.dgn

SHEET NO. Plotted Date: 8/16/2018

REVISION DESCRIPTION

REV. DATE

RELOCATION OF I-91 NB INTERCHANGE 29 AND WIDENING OF I-91 NB AND ROUTE 5/15 NB CME Associates, Inc. 101 East River Drive, 1st Floor East Hartford, CT 06108 TO I-84 EB

EAST HARTFORD **DETAILED ESTIMATE SHEET**

GEN-31 01.01.05.25