

CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS

IN COOPERATION WITH  
MICHIGAN DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

CONTROL SECTION NO. -----

JOB NO. -----

FEDERAL PROJECT NO. -----

FEDERAL ITEM NO. -----

PLANS FOR PROPOSED

ADELAIDE ST OVER ABANDONED GTW RR (DEQUINDRE CUT)  
BRIDGE REPLACEMENT

GENERAL NOTES

THE RECONSTRUCTION DESIGN IS BASED ON 1.2 TIMES THE CURRENT AASHTO LRFD BRIDGE DESIGN SPECIFICATION HL-93 LOADING WITH THE EXCEPTION THAT THE DESIGN TANDEM PORTION OF THE HL-93 LOAD DEFINITION SHALL BE REPLACED BY THE SINGLE 60 KIP AXLE LOAD BEFORE APPLICATION OF THIS 1.2 FACTOR. THE RESULTING LOAD IS DESIGNATED HL-93 MOD. LIVE LOAD PLUS DYNAMIC LOAD ALLOWANCE DEFLECTION DOES NOT EXCEED 1/1000 OF SPAN LENGTH.

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED HEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE ACCORDING TO THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION 2012 EDITION.

THE DESIGN OF THE STRUCTURAL MEMBERS ARE BASED ON MATERIAL OF THE FOLLOWING GRADES AND STRESSES:

CONCRETE: GRADE S2 FC=3,000 PSI  
CONCRETE: GRADE D FC=4,000 PSI  
STEEL REINFORCEMENT FY=60,000 PSI

ESTIMATED TRAFFIC DISTRIBUTION  
AVERAGE DAILY TRAFFIC 335  
DESIGN HOURLY VOLUME  
COMMERCIAL 10%  
POSTED SPEED NONE  
DESIGN SPEED 30 MPH

ALL EXPOSED CONCRETE CORNERS SHOWN SQUARE ON THE PLANS SHALL BE BEVELED WITH 1/2" TRIANGULAR MOLDINGS EXCEPT AS OTHERWISE NOTED.

BIDDERS WILL BE FURNISHED WITH SCANNED IMAGES OF PLAN SHEETS OF THE EXISTING STRUCTURE IF REQUESTED.

THE DESIGN OF THE FOUNDATION PILING IS BASED ON MATERIAL OF THE FOLLOWING GRADES AND STRESSES (AND LOSSES):

FOUNDATION PILING (STEEL H-PILING):  
AASHTO M270  
GRADE 50 FY=50,000 PSI

UNLESS OTHERWISE SHOWN ON THE PLANS PROVIDE MINIMUM CONCRETE CLEAR COVER FOR REINFORCEMENT ACCORDING TO THE FOLLOWING:  
CONCRETE CAST AGAINST EARTH: 3 IN  
PRECAST CONCRETE: 1 IN  
ALL OTHER UNLESS SHOWN ON PLANS: 2 IN

THE BRIDGE DECK SURFACE HAS AN HMA OVERLAY, HMA CAP OR HMA PATCHES. REMOVAL OF HMA AS A RESULT OF REMOVAL OF OTHER SUPERSTRUCTURE ITEMS SHALL BE INCLUDED IN THE REMOVAL OF THOSE ITEMS.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION.

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MDOT STANDARD PLANS (NOT TO BE PRINTED)

WHERE THE FOLLOWING ITEMS ARE CALLED FOR IN THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLANS GIVEN BELOW.

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INTEGRAL CURB AND INTEGRAL CURB & GUTTER	R-31-F*
TRANSVERSE PAVEMENT JOINTS (PLAIN CONCRETE PAVEMENT)	R-39-I
LOAD TRANSFER ASSEMBLIES FOR TRANSVERSE JOINTS	R-40-H
LONGITUDINAL PAVEMENT JOINTS	R-41-G*
TYPICAL LAYOUTS FOR CONCRETE PAVEMENT	R-42-F*
LOCATION OF TRANSVERSE JOINTS IN PLAIN CONCRETE PAVEMENT	R-43-I*
GRANULAR BLANKET, UNDERDRAINS, OUTLET ENDINGS FOR UNDERDRAINS, AND SEWER BULKHEADS	R-80-E*
UTILITY TRENCHES	R-83-B
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BRIDGE RAILING, AESTHETIC PARAPET TUBE	B-25-G*
FENCING FOR BRIDGE RAILING, AESTHETIC PARAPET TUBE	B-41-C
MOLDING, BEVEL, LIGHT STANDARD ANCHOR BOLT ASSEMBLY & NAMEPLATE DETAILS	B-103-E

TRAFFIC AND SAFETY STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR IN THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLANS GIVEN BELOW, OPPOSITE EACH ITEM, UNLESS OTHERWISE INDICATED.

GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS  
TEMPORARY TRAFFIC CONTROL DEVICES

W20-100-A\*  
W20-125-d

\* DESIGNATES SPECIAL DETAILS

UTILITY CONTACT INFORMATION

CITY OF DETROIT PLD 9449 GRINNELL DETROIT, MI 48213 MICHAEL LASKOWSKI (313) 267-7306	STREET LIGHTING
CITY OF DETROIT DWSD 735 RANDOLPH ST. DETROIT, MI 48226 GANG SONG (313) 967-1508	WATER MAINS & SEWERS
CITY OF DETROIT TRAFFIC ENGINEERING, D.P.W. 2633 MICHIGAN AVENUE DETROIT, MI 48207 ASHOK PATEL (313) 224-1610	TRAFFIC SIGNALS
DTE, DETROIT EDISON ONE ENERGY PLAZA ICS GROUP, 5185B DETROIT, MI 48226 CHANELLE BARNES (313) 235-4427	ELECTRIC POWER

DTE, MICHIGAN CONSOLIDATED  
GAS COMPANY  
17150 ALLEN RD  
MELVINDALE, MI 48122  
LAURIE FORRESTER (313) 389-7261

GAS MAIN

AT&T  
17651 MICHIGAN AVE  
DEARBORN, MI 48126  
DAVID HARDAWAY (313) 240-5541

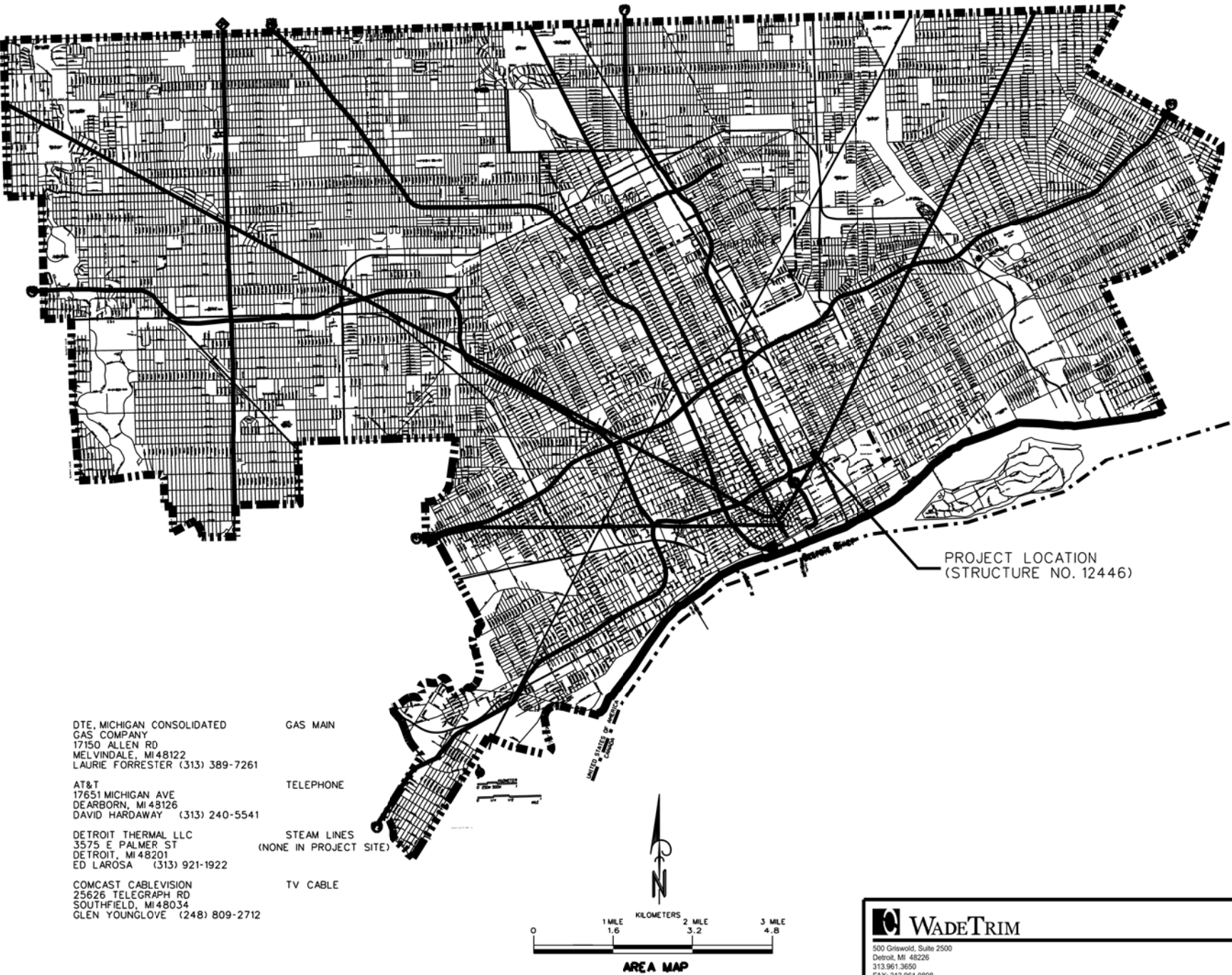
TELEPHONE

DETROIT THERMAL LLC  
3575 E PALMER ST  
DETROIT, MI 48201  
ED LAROSA (313) 921-1922

STEAM LINES  
(NONE IN PROJECT SITE)

COMCAST CABLEVISION  
25626 TELEGRAPH RD  
SOUTHFIELD, MI 48034  
GLEN YOUNGLOVE (248) 809-2712

TV CABLE



PROJECT LOCATION  
(STRUCTURE NO. 12446)

Drawn		Date:
Checked		CEA File Name
Approved		
		File No.
		Job No.
Approved		
		File No.
Approved		

CONTRACT FOR BRIDGE REPLACEMENT		
LOCAL AUTHORITY APPROVAL CITY OF DETROIT CITY ENGINEERING DEPARTMENT DEPARTMENT OF PUBLIC WORKS		
APPROVED BY	HEAD ENGINEER	DATE
APPROVED BY	CITY ENGINEER	DATE
PREPARED UNDER THE SUPERVISION OF		
ROBERT R. BREEN, PE		
LICENSE #		
DATE		

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