

Document 00911

NOTICE OF
ADDENDUM NO. 1

Date of Addendum: 2/23/15

PROJECT NAME: Gillette Trunkline (Genesee Segment) Drainage & Paving

PROJECT NO: WBS No. M-410290-0003-4

BID DATE: February 26, 2015

FROM: Ravi Kaleyatodi, P.E., CPM, Senior Assistant Director
City of Houston, Public Works and Engineering Department
611 Walker St., 15th Floor
Houston, Texas 77002
Attn: Ellen Maas, P.E., Project Manager

TO: Prospective Bidders

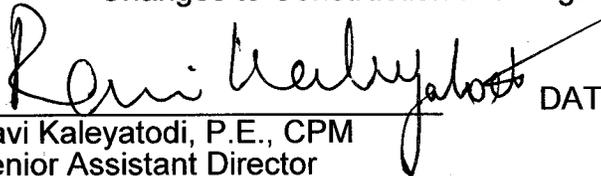
The referenced Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable.

Written questions regarding this Addendum may be submitted to the Project Manager following the procedures specified in Document 00200 – Instructions to Bidders. Immediately notify the City Engineer through the named Project Manager upon finding discrepancies or omissions in the Bid Documents.

This Addendum includes:

ADDENDUM SYNOPSIS

- Changes to Project Manual – Document 00010 Table of Contents
- Changes to Project Manual – Document 00410 Bid Form
- Changes to Project Manual – Document 01110 Summary of Work
- Changes to Construction Drawings



DATED: 2/23/15

Ravi Kaleyatodi, P.E., CPM
Senior Assistant Director
Engineering Branch
Engineering and Construction Division

 END OF DOCUMENT

Document 00910

ADDENDUM NO. 1

Date of Addendum: 2/22/15

PROJECT NAME: Gillette Trunkline (Genesee Segment) Drainage and Paving Improvements

PROJECT NO: WBS No. M-410290-0003-4

BID DATE: February 26, 2015

FROM: J. Timothy Lincoln, P.E., City Engineer
City of Houston, Department of Public Works and Engineering
611 Walker St., 15th Floor
Houston, Texas 77002
Attn: Ellen Maas, P.E., Project Manager

TO: Prospective Bidders

This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable. Insofar as the original Project Manual and Drawings are inconsistent, this Addendum governs.

This Addendum uses the change page method: remove and replace or add pages, or Drawing sheets, as directed in the change instructions below. Change bars (|) are provided in the outside margins of pages from the Project Manual to indicate where changes have been made; no change bars are provided in added sections. Reissued Drawing Sheets show the Addendum number below the title block and changes in the drawing are noted by a revision mark and enclosed in a revision cloud.

CHANGES TO PROJECT MANUAL

INTRODUCTORY INFORMATION

1. Document 00010 – Table of Contents. Replace entire document.

BIDDING REQUIREMENTS

2. Document 00410 – Bid Form. Replace entire document.

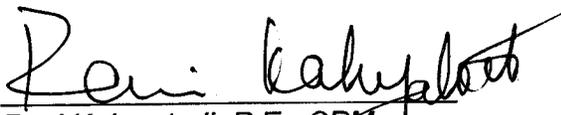
GENERAL REQUIREMENTS

3. Document 01110 – Summary of Work. Replace entire document.

CHANGES TO CONSTRUCTION DRAWINGS

4. Drawing No. 29 – Genesee Street Plan Sta 1+00 to Sta 3+50. Replace entire document. Reason - Changed sheet size from 24"x 36" to 22"x 34".
5. Drawing No. 57 – Paving Detail Sheet. Replace entire document. Reason - Changed sheet size from 24"x 36" to 22"x 34".
6. Drawing No. 72 – Traffic Control Plan Overall Layout. Replace entire document. Reason – Added Note.

END OF ADDENDUM NO. 1


Ravi Kaleyatodi, P.E., CPM
Senior Assistant Director
Department of Public Works and Engineering

DATED: 2/23/15

END OF DOCUMENT



Document 00010

TABLE OF CONTENTS

NOTE: Bold capitalized Specification Sections are included in the City of Houston Department of Public Works and Engineering Standard Construction Specifications for Wastewater Collection Systems, Water Lines, Storm Drainage, Street Paving, and Traffic located here: http://documents.publicworks.houstontx.gov/document-center/cat_view/88-engineering-and-construction/92-specifications/208-division-02-16-standard-specifications.html; and are incorporated in Project Manuals by reference as if copied verbatim. Documents listed "for filing" are to be provided by Bidder and are not included in this Project Manual unless indicated for example only. The Document numbers and titles hold places for actual documents to be submitted by Contractor during Bid, post-bid, or construction phase of the Project. Specification Sections marked with an asterisk (*) are amended by a supplemental specification, printed on blue paper and placed in front of the Specification it amends. Documents in the 200, 300 and 400 series of Division 00, except for Document 00410B – Bid Form, Part B, are not part of the Contract.

<u>Doc. No.</u>	<u>Document Title</u>	<u>Doc. Date</u>
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00450	Bidder's Statement of MWBE/PDBE/DBE/SBE Status	03-09-2007
00452	Contractor Submission List - Fair Campaign Ordinance	04-30-2004

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00455	Affidavit of Ownership or Control	09-04-2007
00456	Bidder's Certificate of Compliance with Buy American Program	02-01-2004
00457	Conflict of Interest Questionnaire	02-28-2006
00458	Bidder's Certificate Regarding Foreign Trade Restrictions	02-01-2004
00459	Contractor's Statement Regarding Previous Contracts Subject to EEO	02-01-2004
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00603	Checklist for Drug Policy Submittal	02-09-2012
00604	History of OSHA Actions and List of On-the-job Injuries	02-01-2004
00605	List of Safety Impact Positions	02-01-2004
00606	Contractor's Certification of No Safety Impact Positions	02-01-2004
00607	Certification Regarding Debarment, Suspension, and Other Responsibility Matters	02-01-2004
00608	Contractor's Certification Regarding Non-segregated Facilities for Project Funded by AIP Grant	02-01-2004
00610	Performance Bond	05-17-2005
00611	Statutory Payment Bond	05-17-2005
00612	One-year Maintenance Bond	05-17-2005

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00911	Notice of Addendum.....	02-01-2004
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01581	Excavation in Public Way Permit Signs.....	08-01-2003
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01770	Closeout Procedures	08-01-2003
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02448	PIPE AND CASING AUGERING FOR SEWERS.....	10-01-2002
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02507	PRESTRESSED CONCRETE CYLINDER PIPE	01-01-2011
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02512	WATER TAP AND SERVICE LINE INSTALLATION	01-01-2011
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02611	REINFORCED CONCRETE PIPE	02-01-2011
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02741	ASPHALTIC CONCRETE PAVEMENT	07-01-2009
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02751	CONCRETE PAVING.....	07-01-2009
02752	CONCRETE PAVEMENT JOINTS.....	10-01-2002
02753	CONCRETE PAVEMENT CURING	10-01-2002
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02765	TEMPORARY AND REMOVABLE REFLECTORIZED PAVEMENT MARKINGS	10-01-2002
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02771	CURB, CURB AND GUTTER, AND HEADERS	10-01-2002
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02912	TREE, PLANT & LANDSCAPE PROTECTION	07-01-2009
02915	TREE PLANTING.....	01-01-2011
02921	HYDROMULCH SEEDING	01-01-2011
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DIVISION 7 – THERMAL AND MOISTURE PROTECTION – Not Used		
DIVISION 8 – DOORS AND WINDOWS – Not Used		
DIVISION 9 – FINISHES – Not Used		
DIVISION 10 – SPECIALTIES – Not Used		
DIVISION 11 – EQUIPMENT – Not Used		
DIVISION 12 – FURNISHINGS – Not Used		
DIVISION 13 – SPECIAL CONSTRUCTION – Not Used		
DIVISION 14 – CONVEYING SYSTEMS – Not Used		
DIVISION 15 – MECHANICAL – Not Used		
DIVIONS 16 – ELECTRICAL – Not Used		
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06078	PORTABLE CHANGEABLE MESSAGE SIGN	2004

<u>Doc. No.</u>	<u>Document Title</u>	<u>Doc. Date</u>
	CenterPoint Energy SPECIFICATIONS	
007-371-08	Installation of Conduit System for Thoroughfare Street Lighting	07-25-2007

APPENDICES

Appendix A – Storm Water Pollution Prevention Plan prepared by HR Green, Inc. (dated October 15, 2014) (See Attached CD)

Appendix B – Geotechnical Report prepared by Aviles Engineering Corp. (dated September 2014) (See Attached CD)

Appendix C – Trench Safety Letter prepared by Aviles Engineering Corp. (dated July 11, 2014) (See Attached CD)

Appendix D – Phase II Environmental Site Assessment prepared by Kleinfelder (dated December 20, 2013) (See Attached CD)

Appendix E – Phase I Environmental Site Assessment prepared by Kleinfelder (dated June 13, 2013) (See Attached CD)

END OF DOCUMENT

Document 00410A

BID FORM – PART A

To: **The Honorable Mayor and City Council of the City of Houston
City Hall Annex
900 Bagby Street
Houston, Texas 77002**

Project: Gillette Outfall (Genesee Segment) Drainage and Paving Improvements

Project No.: WBS M-410290-0003-4

Bidder:

(Print or type full name of proprietorship, partnership, corporation, or joint venture.)

1.0 OFFER

- A. Total Bid Price:** Having examined the Project location and all matters referred to in Bid Documents for the Project, we, the undersigned, offer to enter into a Contract to perform the Work for the Total Bid Price shown on the signature page of this Document
- B. Security Deposit:** Included with the Bid is a Security Deposit in the amount of 10 percent of the Total Bid Price subject to terms described in Document 00200 – Instructions to Bidders.
- C. Period for Bid Acceptance:** This offer is open to acceptance and is irrevocable for 90 days from Bid Date. That period may be extended by mutual written agreement of the City and Bidder.
- D. Addenda:** All Addenda have been received. Modifications to Bid Documents have been considered and all related costs are included in the Total Bid Price.
- E. Bid Supplements:** The following documents are attached:
- Security Deposit (*as defined in Document 00200 – Instructions to Bidders*)
 - Document 00450 - Bidder's Statement of MWSBE Status
 - Document 00452 - Contractor's Submission List - Fair Campaign Ordinance Form A
 - Document 00453 – Bidder's Statement of Residency (*not required for AIP funded project*)
 - Document 00454 - Affidavit of Non-interest
 - Document 00455 - Affidavit of Ownership or Control
 - Document 00456 - Bidder's Certificate of Compliance with Buy American Program (*required for AIP funded project*)
 - Document 00457 – Conflicts of Interest Questionnaire (CIQ)
 - Document 00458 - Bidder's Certificate Regarding Foreign Trade Restriction (*required for AIP funded project*)
 - Document 00459 - Contractor's Statement Regarding Previous Contracts Subject to EEO (*required for AIP funded project*)
 - Document 00460 – Pay or Play Acknowledgement Form (POP 1-A)
 - Document 00470 – Bidder's MWSBE Participation Plan (*required unless no MWSBE participation goal is provided in Document 00800 (the "Goal")*).
 - Document 00471 – Bidder's Record of Good Faith Efforts (*required if the goal in Bidder's Participation Plan-Documents 00470 is lower than the Goal*).

00410-A1

08-01-2013

Addendum No. 1

- Document 00472 – Bidder's Goal Deviation Request (required if the goal in Bidder's Participation Plan-Document 00470 is lower than the Goal).
- Others as listed: _____

2.0 CONTRACT TIME

- A. If offer is accepted, Contractor shall achieve Date of Substantial Completion within 750 days after Date of Commencement of the Work, subject to adjustments of Contract Time as provided in the Contract.

1.0 TOTAL BID PRICE HAS BEEN CALCULATED BY BIDDER, USING THE FOLLOWING COMPONENT PRICES AND PROCESS (PRINT OR TYPE NUMERICAL AMOUNTS):

A. STIPULATED PRICE:

\$ (N/A)

(Total Bid Price; minus Base Unit Prices, Extra Unit Prices, Cash Allowances and All Alternates, if any)

B. BASE UNIT PRICE TABLE:

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
BASE UNIT PRICES FOR - GENERAL						
1	01502	Mobilization	LS	1	\$ 350,000.00(1)	\$ 350,000.00(1)
2	01555	Traffic Control and Regulation	LS	1	\$ 150,000.00(1)	\$ 150,000.00(1)
3	01562	Tree and plant protection	LS	1	\$ 50,000.00(2)	\$ 50,000.00(2)
4	01562	Zero Curb Cutback	LF	270	\$	\$
5	01562	Install Checkerplate for Tree Protection	SF	480	\$	\$
6	02233	Remove Tree 6" to 11" Diameter or Palm	EA	7	\$	\$
7	02233	Remove Tree 12" to 29" Diameter	EA	14	\$	\$
8	02233	Remove Tree 30" Diameter or larger	EA	2	\$	\$
9	02915	Tree planting (2" Live Oak)	EA	112	\$	\$
10	02120	Transportation and disposal of Class I soils	CY	850	\$	\$
11	02120	Transportation and disposal of Class II soils	CY	150	\$	\$
12	02120	Transportation and Disposal of Contaminated Groundwater from PPCA	GAL	100	\$	\$
13	02105	Preparatory Work for Sampling and Analysis in PPCA	LS	1	\$	\$
14	02221	Remove/Dispose storm pipe 12-inch dia and smaller	LF	170	\$	\$
15	02221	Remove/Dispose storm pipe 15-inch dia	LF	786	\$	\$
16	02221	Remove/Dispose storm pipe 15-inch dia in PPCA	LF	122	\$	\$
17	02221	Remove/Dispose storm pipe 18-inch dia	LF	1391	\$	\$
18	02221	Remove/Dispose storm pipe 24-inch dia	LF	1305	\$	\$
19	02221	Remove/Dispose storm pipe 24-inch dia in PPCA	LF	340	\$	\$
20	02221	Remove/Dispose storm pipe 30-inch dia	LF	248	\$	\$
21	02221	Remove/Dispose storm pipe 36-inch dia	LF	32	\$	\$
22	02221	Remove/Dispose storm pipe 42-inch dia	LF	4	\$	\$

Genesee Street Drainage & Paving
WBS No. M-410290-0003-4

**BID FORM
PART B**

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
23	02221	Remove/Dispose storm pipe 48-inch dia	LF	120	\$ _____	\$ _____
24	02221	Remove/Dispose monolithic storm pipe 54-inch dia	LF	34	\$ _____	\$ _____
25	02221	Remove/Dispose monolithic storm pipe 60-inch dia	LF	42	\$ _____	\$ _____
26	02221	Remove/Dispose Inlets all sizes/depth	EA	48	\$ _____	\$ _____
27	02221	Remove/Dispose Storm Manholes all Sizes/depth	EA	26	\$ _____	\$ _____
28	02221	Remove/Dispose Monolithic Storm Manholes all Sizes/depth	EA	1	\$ _____	\$ _____
28	02221	Remove and Dispose of Asphaltic surface (all thickness, including base & subgrade, w/ or w/o curb, all depths)	SY	15700	\$ _____	\$ _____
29	02221	Remove/Dispose Driveway (all thicknesses and all types)	SY	1480	\$ _____	\$ _____
30	02221	Remove/Dispose Conc Sidewalk 4-inch thick/More	SY	3770	\$ _____	\$ _____
31	02221	Removing and disposing of concrete pavements (including all thickness, w/ or w/o asphalt, including base & subgrade, w/ or w/o curb, all depths)	SY	2450	\$ _____	\$ _____
32	02221	Remove and Dispose of Concrete Curb and Gutter	LF	6950	\$ _____	\$ _____
33	02233	Clearing and grubbing	AC	7	\$ _____	\$ _____
34	01578	Ground water control for open-cut construction (Prior Engineer Approval Required)	LF	2000	\$ _____	\$ _____
35	02260	Trench safety system for trench excavations (5'-10' depth)	LF	5376	\$ _____	\$ _____
36	02260	Trench safety system for trench excavations (10-25' depth)	LF	1344	\$ _____	\$ _____
37	02260	Trench safety system for trench excavations (Over 25' depth)	LF	3190	\$ _____	\$ _____
38	02922	Sodding	SY	9570	\$ _____	\$ _____
39	01110	Remove, Store, and Relocate Existing Road Sign	EA	80	\$ _____	\$ _____
40	01570	Inlet protection barrier (gravel bags)	LF	1100	\$ _____	\$ _____
41	01570	Storm Inlet Sediment Trap	EA	42	\$ _____	\$ _____
42	01570	Filter fabric fence	LF	4400	\$ _____	\$ _____
43	01570	Stabilized Construction Exit	SY	600	\$ _____	\$ _____
44	01110	Chainlink Fence around Construction Area	LF	3300	\$ _____	\$ _____
45	01555	Install low profile concrete barriers	LF	1200	\$ _____	\$ _____
46	01555	Relocate low profile concrete barriers	LF	6170	\$ _____	\$ _____
47	01555	Remove low profile concrete barriers	LF	1200	\$ _____	\$ _____

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
48	TxDOT 6078	Solar Powered Changeable Message Sign	WK	14	\$ _____	\$ _____
49	01110	Temporary No Parking Signs, CR8-3	EA	6	\$ _____	\$ _____
50	01555	Flagmen	LS	1	\$ _____ 80,000.00(2)	\$ _____ 80,000.00(2)
51	02400	Tunnel shafts (all shafts, all dimensions)	LS	1	\$ _____	\$ _____
SUBTOTAL FOR GENERAL ITEMS						\$ _____

BASE UNIT PRICES FOR - STORM SEWER						
Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
52	02082	Type C manhole for 42-inch diameter and smaller sewers	EA	10	\$ _____	\$ _____
53	02082	Type C manhole for 42-inch diameter and smaller (in PPCA)	EA	3	\$ _____	\$ _____
54	02082	Type C manhole for 48-inch diameter and larger	EA	3	\$ _____	\$ _____
55	02082	Type C manhole for 48-inch diameter and larger (in PPCA)	EA	1	\$ _____	\$ _____
56	02082	Manhole for concrete box sewers	EA	17	\$ _____	\$ _____
57	02082	Manhole for concrete box sewers (in PPCA)	EA	2	\$ _____	\$ _____
58	02082	Extra Depth Manhole	VF	160	\$ _____	\$ _____
59	02633	24-inch diameter storm sewer lead	LF	762	\$ _____	\$ _____
60	02633, 02105	24-inch diameter storm sewer lead (in PPCA)	LF	113	\$ _____	\$ _____
61	02631	24-inch diameter storm sewer by open cut	LF	627	\$ _____	\$ _____
62	02631, 02105	24-inch diameter storm sewer by open cut (in PPCA)	LF	101	\$ _____	\$ _____
63	02631	30-inch diameter storm sewer by open cut	LF	77	\$ _____	\$ _____
64	02631	30-inch diameter storm sewer by open cut (in PPCA)	LF	20	\$ _____	\$ _____
65	02631	48-inch diameter storm sewer by open cut (in PPCA)	LF	64	\$ _____	\$ _____
66	02631	54-inch diameter storm sewer by open cut	LF	117	\$ _____	\$ _____
67	02631	8-foot by 8-foot box storm sewer by open cut	LF	392	\$ _____	\$ _____
68	02631	10-foot by 10-foot box storm sewer by open cut	LF	2783	\$ _____	\$ _____
69	02631, 02105	10-foot by 10-foot box storm sewer by open cut (in PPCA)	LF	330	\$ _____	\$ _____
70	02631	10-foot by 10-foot box storm sewer by hand tunnel	LF	176	\$ _____	\$ _____

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
71	02631, 02105	10-foot by 10-foot box storm sewer by hand tunnel (in PPCA)	LF	56	\$ _____	\$ _____
72	02633	Type C-1 Inlet (Pre Cast)	EA	1	\$ _____	\$ _____
73	02633, 02105	Type C-1 Inlet (Pre Cast) (in PPCA)	EA	4	\$ _____	\$ _____
74	02633	Type BB inlet (Pre Cast) (w/ V4243-4 Grate)	EA	41	\$ _____	\$ _____
75	02633, 02105	Type BB inlet (Pre Cast) w/ V4243-4 Grate) (in PPCA)	EA	2	\$ _____	\$ _____
76	02081	Type C manhole with BB inlet top	EA	6	\$ _____	\$ _____
77	02633	Junction box with grate top for maximum 24-inch diameter storm sewer	EA	1	\$ _____	\$ _____
78	02633	Junction box with lid top for maximum 24-inch diameter storm sewer	EA	2	\$ _____	\$ _____
79	02633	Type 1 Junction Box	EA	5	\$ _____	\$ _____
80	02633, 02105	Type 1 Junction Box (in PPCA)	EA	1	\$ _____	\$ _____
81	02221	Remove existing plug on 10-foot by 10-foot box	EA	1	\$ _____	\$ _____
82	04210	Precast or Brick Plug for 8-foot by 8-foot box	EA	1	\$ _____	\$ _____
83	04210	Precast or Brick Plug for 18-inch storm sewer	EA	3	\$ _____	\$ _____
84	04211	Precast or Brick Plug for 24-inch storm sewer	EA	1	\$ _____	\$ _____
85	04210	Precast or Brick Plug for 60-inch storm sewer	EA	1	\$ _____	\$ _____
86	02084	24" Ring Grate	EA	1	\$ _____	\$ _____
SUBTOTAL FOR STORM SEWER ITEMS						\$ _____

BASE UNIT PRICES FOR - PAVING						
Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
87	02315	Roadway Excavation with or without subgrade	CY	1650	\$ _____	\$ _____
88	02336	Lime for Lime stabilized Subgrade (42#/SY)	TON	240	\$ _____	\$ _____
89	02336	Lime Stabilized Subgrade 8-inch thick	SY	12400	\$ _____	\$ _____
90	02336	Cement Stabilized Sand Base for High Early Strength Concrete	SY	8410	\$ _____	\$ _____
91	02711	Hot Mix Asphalt Base Course (Type A/B) / All Thickness	TON	420	\$ _____	\$ _____
92	02741	Hot Mix Asphalt Concrete Pavement 2-inch thick	TON	140	\$ _____	\$ _____

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**BID FORM
PART B**

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
93	02714	Flexible Base Course/temp driveways	EA	40	\$ _____	\$ _____
94	02714	Flexible Base Course for Temporary Roadways, Detours, & Shoulders	SY	5200	\$ _____	\$ _____
95	02751	Reinforced Concrete Pavement 9-inch thick	SY	5710	\$ _____	\$ _____
96	02751	Reinforced Concrete Pavement 7-inch thick	SY	4340	\$ _____	\$ _____
97	02751	High Early Strength Reinforced Con Pav 9-inch thick	SY	4750	\$ _____	\$ _____
98	02751	High Early Strength Reinforced Con Pav 7-inch thick	SY	3260	\$ _____	\$ _____
99	04901	Removal of existing brick, cleaning of existing brick, and storing of existing brick (stacking existing brick including pallets and storage)	SF	1470	\$ _____	\$ _____
100	04901	Setting new and restored existing brick pavers, including sand setting bed	SF	2877	\$ _____	\$ _____
101	04901	Purchase new brick pavers	SF	1410	\$ _____	\$ _____
102	01110	Remove, clean, store, and replace existing curb side ceramic street markers	EA	4	\$ _____	\$ _____
103	01110	Remove, clean, store, and replace existing vertical street name sign	EA	2	\$ _____	\$ _____
104	02754	Concrete Driveways including Excavation 7-inch thick	SF	13320	\$ _____	\$ _____
105	02771	6-Inch Concrete Curb	LF	6910	\$ _____	\$ _____
106	02771	6-Inch Concrete Curb (monolithic)	LF	680	\$ _____	\$ _____
107	02771	Mountable Concrete Curb	LF	360	\$ _____	\$ _____
108	02771	Sidewalk Curb, all Heights	LF	60	\$ _____	\$ _____
109	01110	Reconnect existing curb drain to proposed curb	EA	10	\$ _____	\$ _____
110	02752	Street Pavement Expansion Joint with Load transfer	LF	1750	\$ _____	\$ _____
111	02752	Street Pavement Expansion Joint without Load transfer	LF	1638	\$ _____	\$ _____
112	02752	Preformed Expansion Joints	LF	910	\$ _____	\$ _____
113	02752	Saw Cutting	LF	160	\$ _____	\$ _____
114	02771	Concrete Paving Header	LF	800	\$ _____	\$ _____
115	02775	Sidewalk 4-1/2-inch thick	SF	34080	\$ _____	\$ _____
116	02775	Wheelchair Ramps, all types, complete in place	SF	5420	\$ _____	\$ _____
SUBTOTAL FOR PAVING ITEMS						\$ _____

BASE UNIT PRICES FOR - SIGNING & STRIPING						
Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
117	02762	Blast cleaning pavement markers 4-inch wide lines	LF	4,200	\$ _____	\$ _____
118	02762	Blast cleaning pavement markers 8-inch wide lines	LF	1,600	\$ _____	\$ _____
119	02762	Blast cleaning pavement markers 24-inch wide lines	LF	200	\$ _____	\$ _____
120	02765	Temporary Pavement Marker 4" Solid (White or Yellow)	LF	8600	\$ _____	\$ _____
121	02765	Temporary Pavement Marker 24" Solid (White)	LF	200	\$ _____	\$ _____
122	02767	Thermoplastic Pavement Marking 4-inch wide White (BRK)	LF	1330	\$ _____	\$ _____
123	02767	Thermoplastic Pavement Marking 4-inch wide White (SLD)	LF	1540	\$ _____	\$ _____
124	02767	Thermoplastic Pavement Marking 4-inch wide Yellow (SLD)	LF	1400	\$ _____	\$ _____
125	02764	Raised Pav Marker Ty I with Two face Reflective (Yellow)	EA	40	\$ _____	\$ _____
126	02767	Thermoplastic Pavement Marking (Stop Bar) 24-inch wide White (SLD)	LF	80	\$ _____	\$ _____
127	02767	Thermoplastic Pavement Marking (Crosswalk) 12-inch wide White (SLD)	LF	850	\$ _____	\$ _____
128	02767	Thermoplastic Pavement Marking Symbol TURNING ARROW	EA	3	\$ _____	\$ _____
129	02767	Thermoplastic Pavement Marking Elongated Word ONLY	EA	3	\$ _____	\$ _____
130	01554	Furnish and Install Traffic Sign and Post	EA	6	\$ _____	\$ _____
SUBTOTAL FOR SIGNING & STRIPING ITEMS						\$ _____

BASE UNIT PRICES FOR - WATER						
Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
131	02516	Cut, plug, and abandon existing 2-inch diameter water line	EA	1	\$ _____	\$ _____
132	02516	Cut, plug, and abandon existing 4-inch diameter water line	EA	1	\$ _____	\$ _____
133	02516	Cut, plug, and abandon existing 6-inch diameter water line	EA	3	\$ _____	\$ _____
134	02516	Cut, plug, and abandon existing 8-inch diameter water line	EA	24	\$ _____	\$ _____
135	02516	Cut, plug, and abandon existing 8-inch diameter water line within limits of PPCA	EA	3	\$ _____	\$ _____

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**BID FORM
PART B**

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
136	02516	Cut, plug, and abandon existing 12-inch diameter water line	EA	2	\$ _____	\$ _____
137	02516	Cut, plug, and abandon existing 16-inch diameter water line	EA	2	\$ _____	\$ _____
138	02086	Adjust Existing Valve Box to Proposed Grade	EA	25	\$ _____	\$ _____
139	02086	Adjust Existing Valve Box to Proposed Grade within PPCA limits	EA	3	\$ _____	\$ _____
140	02512	3/4-inch to 1-inch diameter water taps and copper service line with meter box, short side	EA	6	\$ _____	\$ _____
141	02512	3/4-inch to 1-inch diameter water taps and copper service lines with meter box within limits of PPCA, short side	EA	2	\$ _____	\$ _____
142	02512	3/4-inch to 1-inch diameter watertaps and copper service line with meter box, long side	EA	11	\$ _____	\$ _____
143	02512	3/4-inch to 1-inch diameter water taps and copper service lines with meter box within limits of PPCA, long side	EA	3	\$ _____	\$ _____
144	02511	2-inch diameter water line by open-cut	LF	20	\$ _____	\$ _____
145	02511	6-inch diameter water line by open-cut	LF	30	\$ _____	\$ _____
146	02511	6-inch diameter water line by open-cut with restrained joints	LF	150	\$ _____	\$ _____
147	02511	6-inch diameter water line by trenchless construction	LF	40	\$ _____	\$ _____
148	02511	6-inch diameter DIP water line by trenchless construction with restrained joints	LF	30	\$ _____	\$ _____
149	02511	8-inch diameter water line by open-cut	LF	1,350	\$ _____	\$ _____
150	02511	8-inch diameter water line by open-cut within PPCA limits	LF	90	\$ _____	\$ _____
151	02511	8-inch diameter water line by open-cut with restrained joint	LF	320	\$ _____	\$ _____
152	02511	8-inch diameter DIP water line by open-cut with restrained joint	LF	160	\$ _____	\$ _____
153	02511	8-inch diameter DIP water line by open-cut with restrained joint in PPCA	LF	70	\$ _____	\$ _____
154	02511	8-inch diameter water line by trenchless construction	LF	40	\$ _____	\$ _____
155	02511	8-inch diameter water line by trenchless construction with restrained joints	LF	60	\$ _____	\$ _____
156	02511	8-inch diameter DIP water line by trenchless construction with restrained joints	LF	210	\$ _____	\$ _____
157	02511	8-inch diameter DIP water line by trenchless construction with restrained joints within PPCA	LF	50	\$ _____	\$ _____
158	02511	12-inch diameter water line by open-cut	LF	570	\$ _____	\$ _____
159	02511	12-inch diameter DIP water line by open-cut with restrained joint	LF	110	\$ _____	\$ _____
160	02511	12-inch diameter water line by trenchless construction	LF	120	\$ _____	\$ _____
161	02511	12-inch diameter DIP water line by trenchless construction with restrained joints	LF	90	\$ _____	\$ _____
162	02511	16-inch diameter DIP water line by open-cut with restrained joint	LF	90	\$ _____	\$ _____

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**BID FORM
PART B**

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
163	02511	16-inch diameter DIP water line by trenchless construction restrained joint	LF	30	\$ _____	\$ _____
164	02511	2-Inch Diameter Standard Connection	EA	1	\$ _____	\$ _____
165	02513	6-inch diameter wet connection, complete in place	EA	3	\$ _____	\$ _____
166	02513	8-inch diameter wet connection	EA	21	\$ _____	\$ _____
167	02513	8-Inch diameter wet connection within limits of PPCA	EA	1	\$ _____	\$ _____
168	02513	12-inch diameter wet connection	EA	2	\$ _____	\$ _____
169	02513	16-inch diameter wet connection	EA	1	\$ _____	\$ _____
170	02520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box	EA	5	\$ _____	\$ _____
171	02520	6-inch diameter fire hydrant branch by open-cut	LF	52	\$ _____	\$ _____
172	02511	6-inch diameter plug and clamp	EA	1	\$ _____	\$ _____
173	02511	12-inch diameter plug and clamp	EA	1	\$ _____	\$ _____
174	02520	Remove and salvage existing fire hydrant	EA	5	\$ _____	\$ _____
175	02525	8-inch by 6-inch diameter tapping sleeve and valve	EA	1	\$ _____	\$ _____
176	02525	6-inch by 6-inch diameter tapping sleeve and valve	EA	1	\$ _____	\$ _____
177	02525	8-inch by 8-inch diameter tapping sleeve and valve	EA	1	\$ _____	\$ _____
178	02525	16-inch by 16-inch diameter tapping sleeve and valve	EA	1	\$ _____	\$ _____
SUBTOTAL FOR WATER ITEMS						\$ _____

BASE UNIT PRICES FOR - WASTEWATER

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
179	02222	Abandon and fill 8-inch diameter sewer	LF	600	\$ _____	\$ _____
180	02222	Abandon and fill manhole	EA	3	\$ _____	\$ _____
181	02086	Adjustment of existing manhole and frame and cover to new grade	EA	12	\$ _____	\$ _____
182	02222	Plug Existing 6-Inch Sanitary Sewer	EA	13	\$ _____	\$ _____
183	02222	Plug Existing 8-Inch Sanitary Sewer	EA	7	\$ _____	\$ _____
184	02222	Plug Proposed 10-Inch Sanitary Sewer	EA	2	\$ _____	\$ _____
185	02222	Plug Existing 12-Inch Sanitary Sewer	EA	2	\$ _____	\$ _____
186	02221	Remove and Dispose 6 inch sewer line	LF	960	\$ _____	\$ _____
187	02221	Remove and Dispose 6 inch sewer line within PPCA limits	LF	250	\$ _____	\$ _____
188	02221	Remove and Dispose 8 inch sewer line	LF	1,460	\$ _____	\$ _____
189	02221	Remove and Dispose 8 inch sewer line within PPCA limits	LF	120	\$ _____	\$ _____
190	02221	Remove and Dispose 12 inch sewer line	LF	80	\$ _____	\$ _____
191	02221	Remove and Dispose of Existing Manholes	EA	15	\$ _____	\$ _____
192	02221	Remove and Dispose Existing 8" Sanitary Plug	EA	1	\$ _____	\$ _____
193	02534	Sanitary Sewer Lead Reconnection	EA	32	\$ _____	\$ _____
194	02534	Sanitary Sewer Lead Reconnection in PPCA	EA	4	\$ _____	\$ _____
195	02534	6-Inch-diameter sanitary sewer service lead; open cut, All Depths	LF	990	\$ _____	\$ _____
196	02534	6-Inch-diameter sanitary sewer service lead in PPCA; open cut, All Depths	LF	170	\$ _____	\$ _____
197	02534	6-Inch Sanitary Sewer Clean-Out	EA	34	\$ _____	\$ _____
198	02534	6-Inch Sanitary Sewer Clean-Out in PPCA	EA	4	\$ _____	\$ _____

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
199	02531	6-inch diameter sanitary sewer, by open-cut, All Depths	LF	6	\$ _____	\$ _____
200	02531	8-inch diameter sanitary sewer, by open-cut, All Depths	LF	1,580	\$ _____	\$ _____
201	02531	8-inch diameter sanitary sewer within PPCA, by open-cut, All Depths	LF	110	\$ _____	\$ _____
202	02531	10-inch diameter sanitary sewer, by open-cut, All Depths	LF	70	\$ _____	\$ _____
203	02531	12-inch diameter sanitary sewer, by open-cut, All Depths	LF	860	\$ _____	\$ _____
204	02531	12-inch diameter sanitary sewer within PPCA, by open-cut, All Depths	LF	150	\$ _____	\$ _____
205	02082	4-foot diameter precast concrete manholes, up to 8-ft depth	EA	28	\$ _____	\$ _____
206	02082	Extra Depth for 4-foot Dia. Sanitary Sewer Manhole	VF	39	\$ _____	\$ _____
207	02082	4-Inch Standard Drop	EA	1	\$ _____	\$ _____
208	02082	Extra Height for 4-Inch Standard Drop	VF	12	\$ _____	\$ _____
209	02082	8-Inch Standard Drop	EA	8	\$ _____	\$ _____
210	02082	Extra Height for 8-Inch Standard Drop	VF	6	\$ _____	\$ _____
211	02082	4-foot diameter precast concrete manholes in PPCA, up to 8-ft depth	EA	4	\$ _____	\$ _____
212	02082	Extra Depth, 4-foot diameter sanitary sewer manhole in PPCA	VF	2	\$ _____	\$ _____
SUBTOTAL FOR WASTEWATER ITEMS						\$ _____

TOTAL BASE UNIT PRICES: \$ _____

C. EXTRA UNIT PRICE TABLE:

Item No.	Spec Ref	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in figures
213	02221	Remove and Dispose of Miscellaneous Concrete And Masonry	CY	100	\$ 10.00(2)	\$ 1,000.00(2)
214	01555	Uniformed Peace Officer (to be used as directed)	LS	1	\$ 40,000.00(2)	\$ 40,000.00(2)
215	02317	6" Overexcavate trench bottom	LF	200	\$ 5.00(2)	\$ 1,000.00(2)
216	02318	Excavation around obstructions	CY	40	\$ 10.00(2)	\$ 400.00(2)
217	02318	Extra hand excavation	CY	40	\$ 12.00(2)	\$ 480.00(2)
218	02318	Extra machine excavation	CY	100	\$ 10.00(2)	\$ 1,000.00(2)
219	02318	Extra placement of backfill material	CY	100	\$ 5.00(2)	\$ 500.00(2)
220	02318	Extra placement of granular fill	CY	20	\$ 20.00(2)	\$ 400.00(2)
221	02318S	Extra cement-stabilized sand	CY	100	\$ 20.00(2)	\$ 2,000.00(2)
222	02511	Extra water fittings in place	TON	1	\$ 1,000.00(2)	\$ 1,000.00(2)
223	03315	Extra grade 60 reinforcing steel in place	LB	1000	\$ 0.50(2)	\$ 500.00(2)
224	03315	Class "A" Concrete Seal Slab	CY	100	\$ 350.00(2)	\$ 35,000.00(2)
225	03315	Extra class "A" concrete with or without forms	CY	20	\$ 400.00(2)	\$ 8,000.00(2)
226	02317, 02317S	18" Overexcavate trench bottom	LF	3180	\$ 20.00(2)	\$ 61,600.00(2)
SUBTOTAL FOR EXTRA UNIT ITEMS						\$

D. CASH ALLOWANCE TABLE:

Cash Allowance No.	Cash Allowance Short Title	Cash Allowance in Figures
CASH.01	NPDES Permits	\$ 200.00
CASH.02	Street Cut Permit	\$ 4,200.00
CASH.03	CenterPoint Energy Street Light Relocations	\$ 2,851.00
TOTAL CASH ALLOWANCES:		\$ 7,251.00

E. TOTAL BID PRICE:

(Add Totals for Items A., B., C., and D. above)

\$ _____

2.0 SIGNATURES: By signing this Document, I agree that I have received and reviewed all Addenda and considered all costs associated with the Addenda in calculating the Total Bid Price.

Bidder:

(Print or type full name of your proprietorship, partnership, corporation, or joint venture.*)

****By:**

Signature

Date

Name:

(Print or type name)

Title

Address:

(Mailing)

(Street, if different)

Telephone and Fax Number:

(Print or type numbers)

* If Bid is a joint venture, add additional Bid Form signature sheets for each member of the joint venture.

** Bidder certifies that the only person or parties interested in this offer as principals are those named above. Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding.

Note: This document constitutes a government record, as defined by § 37.01 of the Texas Penal Code. Submission of a false government record is punishable as provided in § 37.10 of the Texas Penal Code.

Footnotes for Tables B through D:

- (1) Fixed Unit Price determined prior to Bid. Cannot be adjusted by the Bidder.
- (2) Minimum Bid Price determined prior to Bid. Can be increased by the Bidder by crossing out the Minimum and noting revised price on the line above.
- (3) Maximum Bid Price determined prior to Bid. Can be decreased but not increased by Bidder by crossing out the Maximum and noting revised price on the line above. A Bid that increases the Maximum Bid Price may be found non-conforming and non-responsive.
- (4) Fixed Range Bid Price determined prior to Bid. Unit Price can be adjusted by Bidder to any amount within the range defined by crossing out prices noted and noting revised price on the line above.

Section 01110

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Summary of the Work including work by the City, City-furnished Products, work sequence, future work, Contractor use of Premises, special conditions for substantial completion and City occupancy. The project will construct storm drainage improvements to address and reduce the risk of structural flooding. Improvements include modification of street conveyance and sheet flow, and providing detention as needed for mitigation.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. The purpose of the project is to construct a storm sewer trunkline and all associated storm sewer, sanitary sewer, water line, and pavement improvements that improves drainage in the Montrose and Midtown Subdivisions. The benefitted area of the project includes 1,070 acres.
- B. Work of the Contract is for construction of the storm sewer trunkline starting at Genesee and West Dallas and continuing along Genesee to Tuam Street, then along Tuam Street from Genesee to Helena. The project also includes replacing pavement, water and sanitary sewer utilities, driveways and sidewalks affected by the construction.
- C. The new storm sewer system includes the construction of a 10'x10' and 8'x8' pre-cast storm sewer trunk. Included are connections to new curb inlets and existing storm laterals. The average depth of excavation for the box will be approximately 30 feet below grade and dewatering may be required prior to excavation through backfilling. Due to noise and vibration considerations in close proximity of residential and other structures, sheet pile driven shoring may not be used. Only temporary shoring methods may be used. Bedding for concrete boxes will be in accordance with COH Detail 02317-06. All existing utilities crossing the box that are to remain in place while the trench is open shall be properly braced with prior approval from governing authority during construction activities in the area.
- D. Remove existing storm sewer inlets, manholes, and pipe as shown on the drawings. Existing storm sewer pipe may be monolithic.
- E. Construction of proposed 8" and 12" diameter PVC C-900 (pressure class 150- DR-18) waterlines, valves, and accompanying appurtenances. Remove and dispose abandoned waterlines in conflict with proposed construction. The Contractor shall notify the City of all waterline service interruptions 2 weeks in advance.
- F. Construction of proposed 8" and 12" diameter sanitary sewer lines and accompanying appurtenances. Remove and dispose abandoned sanitary sewer lines in conflict with proposed construction. The Contractor shall notify the City of all sanitary sewer service interruptions 2 weeks in advance.
- G. On Genesee Street, remove existing asphalt pavement and construct 7" reinforced concrete pavement over 8" lime stabilized subgrade and 9" reinforced concrete pavement over 8" lime stabilized subgrade. On Tuam Street, remove existing concrete and asphalt pavement and construct 9" reinforced concrete pavement over 8" lime stabilized subgrade. No separate payment shall be made for the saw cutting of pavement, curbs,

Addendum No. 1

01110-1

10-15-2014

sidewalks, ramps, and driveways. It is considered to be incidental to removal and disposal of existing pavement, curbs, sidewalks, ramps, and driveways.

- H. On Andrews Street at Genesee, existing bricks are to be removed, stacked, stored, cleaned and re-installed in accordance with Specification 04901.
 - I. Remove various layers and types of surface material covering the existing brick street with caution to prevent damage to salvageable bricks beneath the surface. **Contractor shall take photographs of brick pattern and submit to City prior to any removal of bricks.**
 - II. Carefully remove, stack, preserve and store (in secure location provided by Contractor), clean, and re-install existing bricks.
 - III. Construct new brick street with curbs as shown on drawings. Bricks are to be replaced in exact pattern of existing street.
 - IV. Removed and restored bricks, per specification 02983, (in-situ bricks) shall have priority and are to be completely utilized for the finished surface within the intersection limits and patterns first. New replacement bricks are to be blended with the in-situ or stored bricks.
 - V. Contractor shall be responsible for the purchasing of new bricks as required to supplement the in-situ bricks at the intersection of Andrews Street and Genesee Street. The purchased bricks shall match the existing bricks in size (4½"x2½"x8½" +/-), color range, texture, and lugs (see photo). Contractor to coordinate with City Construction PM (Brian Alcott) and Fourth Ward Redevelopment Authority (FWRA) (Willie Brown from Espa Corp., (713) 680-0080 or wbrown@espacorp.com) for approving new bricks when necessary.
 - VI. Contractor to use Polymeric Sand for brick installation.



- I. Not Used.
- J. Provide connections to intersecting streets.
- K. Use high-early strength concrete in all areas requiring limited road closures (as shown on plans).
- L. Remove existing driveways to the rights-of-way within the construction area and replace them with new concrete driveways (except as noted on the plans).
- M. Maintain access to residences and businesses along construction route at all times during construction.

- N. Remove existing sidewalks and ramps damaged by construction and replace with ADA/TDLR compliant ramps and sidewalks. Construct new sidewalks and curb cuts shown in the drawings that are compliant with the latest Americans with Disabilities Act (ADA) and the Texas Accessibility Standards (TAS). City of Houston standard drawings are to be used as general guides only. Where they differ from TAS guidelines on slope, clearance, and spacing, the TAS guidelines are to be followed in construction.
- O. Install and maintain erosion sediment controls as part of the Storm Water Pollution Prevention Plans during construction. The construction area for all aspects of this project that will disturb the natural ground is greater than 5 acres, therefore the Contractor will follow TPDES guidelines of construction areas that are greater than 5 acres.
- P. Remove, salvage, and deliver to the City's water maintenance department's warehouse various waterline fire hydrants, as called for by the plans, from waterlines abandoned by this contract.
- Q. Installation of new signing and striping materials along proposed pavements.
- R. All existing traffic signs, stop signs, warning signs, and barricades noted on the construction drawings as being relocated or that may exist at the time of construction shall be removed, stored, and relocated to their present location upon completion of the roadway construction. If these signs are damaged or no longer suitable for use, then replacements shall be provided in kind at no additional cost to the City. This item shall be paid for per each sign to be removed, stored, and replaced. Prior to removal, Contractor is to provide a list of signs to the City Project Manager for approval.
- S. Contractor shall notify the impacted property owners a minimum of 72 hours in advance of construction to coordinate removal and/or placement of landscaping items, sanitary sewer services, driveways, etc. No separate payment will be made for this work.
- T. Contractor to protect existing fences from damage or disturbance. Replacement fences (all types) damaged or disturbed during construction other than those identified in the plans are the responsibility of the Contractor.
- U. Not Used
- V. All mailboxes damaged or in need of relocation shall be done by the Contractor during construction including restoration of like boxes in kind. U.S. Postal Service Mailboxes and delivery routes within each neighborhood interrupted by construction shall be relocated and detoured at the Contractor's expense and shall be coordinated with the local branch of the U.S. Postal Service. This work will not be paid for separately but shall be incidental to the various construction bid items included in Document 00410 – Bid Form, Parts A & B.
- W. There are two existing METRO bus stops on W. Gray Street within the construction limits. Contractor shall coordinate with METRO prior to beginning construction as follows:
- I. If a COH permit for lane and/or sidewalk closure is required, permit holder must notify METRO Bus Operations (Transportation) at the following three email addresses a minimum of 10 working days in advance of commencing work:
 - Zelma.Ridley@RideMetro.org
 - Carl.Taylor@RideMetro.org
 - Shirley.Mitchell@RideMetro.org

- II. Contractor shall notify METRO at (713) 615-7119 two weeks prior to mobilizing to the project site to coordinate bus operations during construction.
- X. In order to construct the 10'x10' RCB on Genesee across Welch/Dennis, an existing monolithic storm sewer manhole and 54-inch – 60-inch monolithic storm sewer pipes will need to be removed within 10'x10' RCB limits.
- Y. Two schools, Carnegie Vanguard High School and Gregory-Lincoln Education Center, are located along the construction route. Several additional constraints on construction will be required when working along Genesee between W. Dallas and W. Gray to ensure safety near the schools:
 - I. Two uniformed peace officers will be required for school-related traffic control between 7 am and 8 am and between 3 pm and 4 pm, Monday through Friday, except school holidays. The locations of the officers shall be coordinated with Gregory-Lincoln Education Center (Principal Phillips, 713-942-1400) and Carnegie Vanguard High School (Principal Moss, 713-732-3690).
 - II. The construction area on Genesee between W. Dallas and W. Gray shall be fenced off, with pedestrian access and signage provided on either the east or west side of Genesee at all times. 6-foot chain link fence will be portable and will be paid for by linear foot of fence provided. Resetting and removal of fence will not be paid for separately.
 - III. To ensure adequate time to reroute bus traffic as necessary, schools are to be notified a minimum of 2 weeks in advance of construction on Genesee between W. Dallas and W. Gray and prior to any traffic control phasing changes in the area.
 - IV. During construction on Genesee between W. Dallas and W. Gray, Contractor shall bag all existing parking signs on the east side of Taft between W. Dallas and W. Gray and install "CR8-3" signs along Taft instead.
 - V. Access to both schools' delivery driveways on Genesee must be maintained during school hours. Contractor to coordinate any required driveway closures with schools a minimum of 2 weeks in advance.
 - VI. Contractor shall contact Houston Independent School District (HISD) Construction and Facility Department at 713-556-9250 a minimum of 10 working days prior to any construction activity or traffic control near a school.
- Z. Street Name Tile Markers are located on existing curb throughout the project.
 - I. In the following locations (marked on plans), Contractor shall saw cut street name tile marker at joints as shown on plans, clean, store (in secure location provided by Contractor), and replace tile marker as shown on plans:
 - On Tuam at southeast corner of Albany intersection,
 - On Tuam at southeast corner of Helena intersection,
 - On Genesee at northeast corner of Webster intersection, and
 - On Genesee at northeast corner of Robin intersection.
- AA. When replacing driveways with existing driveway sensors, Contractor shall remove and replace driveway to avoid damaging sensors. Any sensors that are damaged will be incidental to work and replaced at Contractor's expense.
- BB. Contractor shall maintain access for commercial deliveries throughout the duration of the project. During construction at the intersection of Welch Street and Genesee Street, Contractor shall ensure pedestrian access is available to Langford's Grocery on the southeast corner of the intersection.
- CC. The project has several constraints of which the Contractor must be aware at all times:

Addendum No. 1

01110-4

10-15-2014

- I. Tree protection will be required on the project. Methods used shall be approved by the City of Houston Urban Forester, Dale Temple, (832) 395-2205. Mr. Temple shall be notified at least two (2) weeks in advance of clearing, cutting, or pruning of any tree. Tree pruning of roots and canopies is included in the contract, as well as temporary fencing, mulching, and watering. Any trees damaged by the work shall be replaced by the Contractor at the Contractor's expense.
 - II. The geotechnical report for this project indicates that groundwater may be encountered in some areas. Dewatering may therefore be required.
 - III. Due to the limited right-of-way, trees, and traffic accommodation, storm sewer trenches will be constructed so that work area is limited and one lane of traffic remains open where called for on the traffic control plans.
 - IV. Storm sewer trunkline alignment changes in a couple areas which will require skewed junction boxes.
 - V. Various private utilities exist within the construction area and must be supported and protected by the Contractor during construction. Permanent adjustment or relocations of private utilities will be made by the respective utility companies or "by others." Contractor shall be responsible for coordinating with private utility companies during construction for bracing of poles labeled "to be braced" on plans.
 - VI. Any irrigation utilities that have been disturbed due to construction shall be replaced with same quality material or better according to the City of Houston standard specifications. The work will not be paid for separately but will be incidental to the various construction bid items included in Document 00410 – Bid Form, Parts A & B.
 - VII. The Phase II Environmental Site Assessment (ESA) Report has identified a Potentially Petroleum Contaminated Area (PPCA) on Genesee between Cook Street and Oneil Street and between West Gray Street and approximately 100 feet north of West Gray Street. The Contractor is required to refer to the Phase II ESA and to all related PPCA documents for this project. The Contractor is required to inform the COH PWE Construction Manager within 24 hours if actual PPCA soil and water contaminants are identified during construction activities performed by the Contractor. The specific underground utilities and appurtenances that are to be installed by the Contractor in this portion of the project area include: reinforced concrete pipe storm sewer leads, reinforced concrete box culverts, storm sewer inlets, storm sewer manholes and junction boxes, sanitary sewer manholes, sanitary sewer lines, and water lines and appurtenances.
 - VIII. No work shall take place within the City Park located on the east side of Genesee Street between Cleveland Street and Ruthven Street. Existing fence around park is to remain in place during construction.
 - IX. Before any closures of major thoroughfares including W. Gray or Tuam or where shown on the plans, Contractor shall provide a solar powered message board (portable changeable message sign) a minimum of 1 week in advance. Contractor shall contact Engineer a minimum of 1-week in advance to obtain required message.
 - X. Traffic Control operations will be limited to a maximum of 800 consecutive feet of active construction sections and no consecutive cross-street closures will be allowed.
 - XI. Contractor shall install temporary intersection closure signs a minimum of 1 week before any intersection closures. Contractor shall submit temporary intersection closure sign template to Construction Project Manager for approval of sign layout. Sign shall be orange background with black lettering.
- DD. Two construction projects located near Genesee Street may be under construction at the same time as this project. Contractor shall coordinate with surrounding contractors to ensure adequate street closure and traffic coordination is provided. Contacts for preliminary coordination are provided below:
- I. Fourth Ward Redevelopment Authority: Dan Simeone from Espa Corp., (832) 605-7513 or dan.simeone@KCI.com

- II. Freedmen's Town Brick Streets: Brian Alcott from City of Houston, (832)395-2396, Brian.Alcott@houstontx.gov.

EE. Traffic Signage Work Includes:

- I. All existing traffic signs, stop signs, warning signs, and barricades noted on the construction drawings as being relocated or that may existing at the time of construction shall be removed, stored, and relocated to their present location upon completion of the roadway construction.
- II. If these signs are damaged or no longer suitable for use then replacements shall be provided in kind at no additional cost to the City.

- FF. The downstream portion of the 10'x10' RCB on this project connects to an existing 10'x10' RCB south of W. Dallas on Genesee (refer to Montrose Area and Midtown Drainage and Paving Improvements (Sub-Project 1), City of Houston Record Drawing No. 51355).

1.03 CASH ALLOWANCES

- A. Include the following specific Cash Allowances in Contract Price under provision of General Conditions Paragraph 3.11:

- 1. NPDES Permits
- 2. Street Cut Permit
- 3. Street Light Pole Removal or Relocation

1.04 ALTERNATES

None

1.05 CITY-FURNISHED PRODUCTS

None

1.06 WORK SEQUENCE

- A. Construct the Work in Phases during the construction period, as shown on the Traffic Control and Detour Plans.
- B. For projects with no Phases, do not disturb more than 50% of total project linear feet of disturbed right-of-way and easement until site restored in accordance with Section 01740 – Site Restoration.
- C. Coordination of the Work: Refer to Section 01312 – Coordination and Meetings.
 - 1. Contractor to coordinate work with the adjoining Fourth Ward Street Reconstruction Project Contractor, Dan Simeone, P.E., Senior Project Manager, at (713) 680-0080 for utility tie-ins, street transitions, and traffic control. Project is expected to begin Fall 2014. The project is generally bounded by Genesee to the west, Crosby Street to the east, W. Dallas to the north, and W. Gray to the south.
 - 2. Contractor to coordinate work with the adjoining Brick Streets in Freedman's Town Project Contractor and Construction Manager, Brian Alcott, P.E. at (832) 395-2396 for traffic control. The project is currently under construction. The project is generally bounded by Wilson to the west, Heiner Street to the east, W. Dallas to the north, and Andrews to the south.

3. The following are to be invited to all Construction Meetings:
 - A. 4th Ward Redevelopment Authority (Dan Simeone, 713-680-0080)
 - B. Gregory-Lincoln Education Center (Principal Phillips, 713-942-1400)
 - C. Carnegie-Vanguard High School (Principal Moss, 713-732-3690)
4. Contractor to coordinate work with Demi's Dog House during work in the W. Gray and Genesee intersection (Nicole Felsher, nfelsher@gmail.com, 713-942-0688). Demi's Dog House business hours are 7 am to 7 pm.

1.07 CONTRACTOR USE OF PREMISES

- A. Comply with procedures for access to the site and Contractor's use of rights-of-way as specified in Section 01145 – Use of Premises.
- B. Construction Operations: Limited to the City's rights-of-way provided by the City and areas shown or described in the Contract documents.
- C. Utility Outages and Shutdown: Provide a minimum of 48 hours notice to the City and private utility companies (when applicable), excluding weekends and holidays, in advance of required utility shutdown. Coordinate all work as required.
- D. Private Utility Relocations: Pursuant to Section 40-395 of the City of Houston (City) Utility Relocation Ordinance Program (URO), the following private utilities were identified and scheduled for relocation within the scope of the project limits. Based upon the relocation schedules provided by the utility owners, the City anticipates these relocations to be completed by the dates listed below, and unless otherwise stated, clearance of these potential obstructions will be performed by their respective owners.

The following is a description of the private utilities identified for relocation within the project limits:

Utility Owner	Type of Facility	Approximate Location	Estimated Clearance Date	Anticipated Effect to Construction
AT&T Texas	Power Poles	Tuam Sta 1+68-5+61 Genesee 5+77-10+70	January 2016	None
Centerpoint Electric	Power Poles	Tuam Sta. 2+32-7+40 Genesee 1+48-33+43	February 2015	None
Centerpoint Gas	2" to 4" Gas Lines	Genesee 6+89-34+35	May 2015	None
Comcast	Pedestal	Genesee Sta. 10+16	November 2015	None

The relocation of these facilities is not anticipated to interfere with the Contractor's operations, but the Contractor shall develop the project construction schedule and bid accordingly. In the event that the clearance dates are deviated and proven to impact the Contractor's schedule, the Contractor shall notify the construction project manager per Article 7 – Changes in the Work under Document 00700 – General Conditions. The Contractor is invited to review all information of potential obstructions currently on file with the Engineer.

1.08 STREET CUT ORDINANCE

- A. Excavations on or under pavement in the City's right-of-way must have a permit. Comply with City of Houston, Texas Ordinance No. 2000-1115, an ordinance amending Chapter 40 of the Code of Ordinances, Houston, Texas, relating to excavating in the Public right-of-way.
- B. Comply with the latest edition of street cut "New Pavement Repair and Pavement Replacement" details.
- C. Quantities are included for street cut pavement repair and replacement in applicable Specification sections for Unit Price contracts.
- D. Include payment for street cut pavement repair and replacement in lump sum bid for Stipulated Price contracts.

1.09 WARRANTY

- A. Comply with warranty requirements in accordance with Document 00700 – General Conditions.

1.10 ADDITIONAL CONDITIONS FOR SUBSTANTIAL COMPLETION

- A. In addition to requirements outlined in Document 00700 – General Conditions, for Contractor to be substantially complete with the Work and call for inspections by Project Manager to confirm, the following conditions must be met or completed:
 1. All pay items complete report.
 2. Contractor shall contact Project Manager to complete Texas Department of Licensing and Regulation post Construction Inspection of sidewalks and wheelchair ramps for Texas Accessibility Standards.
 3. All safety related work including pavement striping, signing, and permanent signalization.

4. Traffic operational in all lanes, at all times, unless lane reductions are due to adjacent construction projects.
5. All services and utilities operational.

1.11 SETTLEMENT MONITORING

- A. Contractor shall install survey monitoring points along ROW at 25' intervals and monitor horizontal and vertical movements of these points on a daily basis. Monitoring shall commence at least two (2) weeks prior to excavation of the trench in the vicinity of the point and continue until trench is backfilled to top of subgrade level. Post trench backfill monitoring shall continue on a bi-weekly basis for a period of four (4) weeks at which time monitoring may be discontinued.
- B. Monitoring will be conducted by a Registered Professional Land Surveyor in the State of Texas and readings will be reported to the City within 24-hours. The measurement and data collection shall be sufficient to determine horizontal and vertical movement to the nearest 0.01-foot.
- C. Payment for Settlement Monitoring is incidental to 10-foot by 10-foot and 8-foot by 8-foot Box Storm Sewer by Open Cut bid items.

PART 2 PRODUCTS – Not Used

PART 3 EXECUTION – Not Used

END OF SECTION

19/15/17

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**GILLETTE TRUNKLINE
(GENESEE SEGMENT)
DRAINAGE AND PAVING**

PAVING DETAIL SHEET
ADDENDUM NO. 1

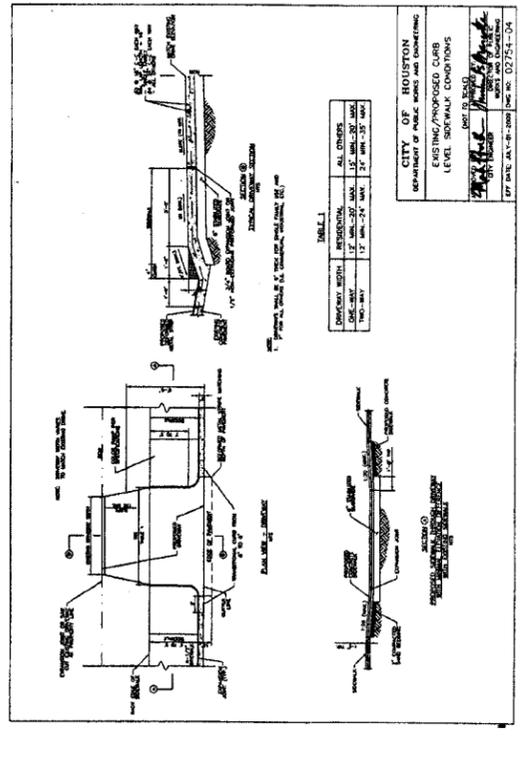
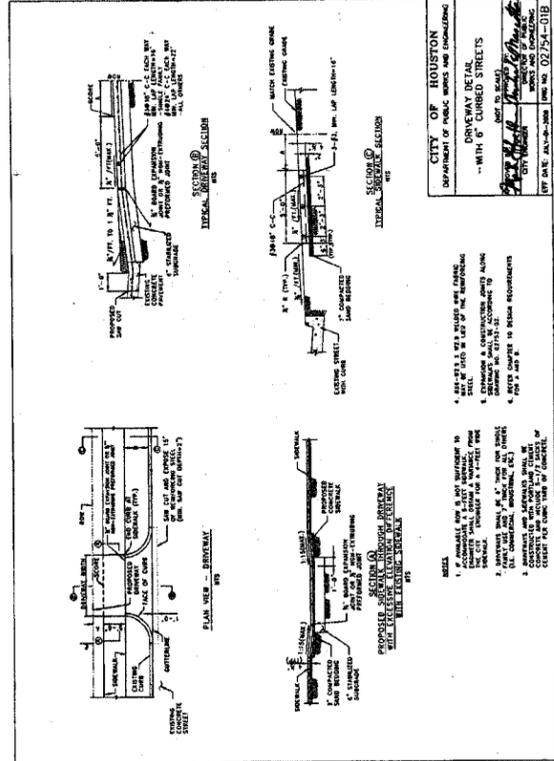
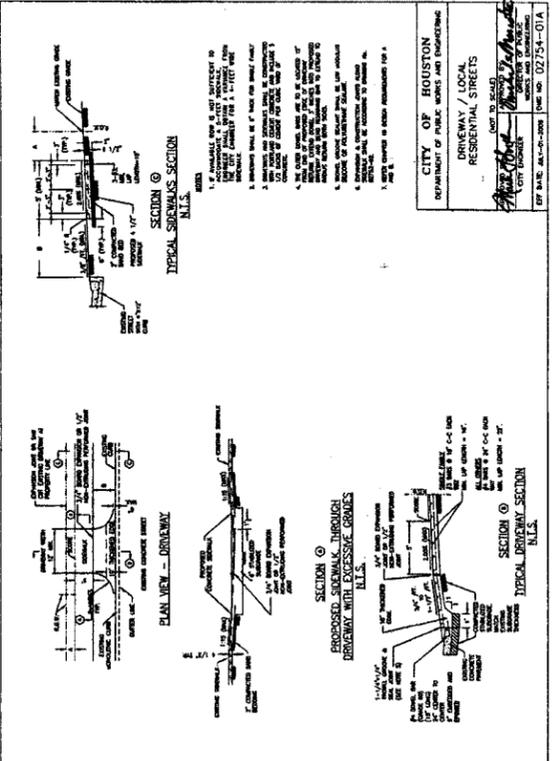
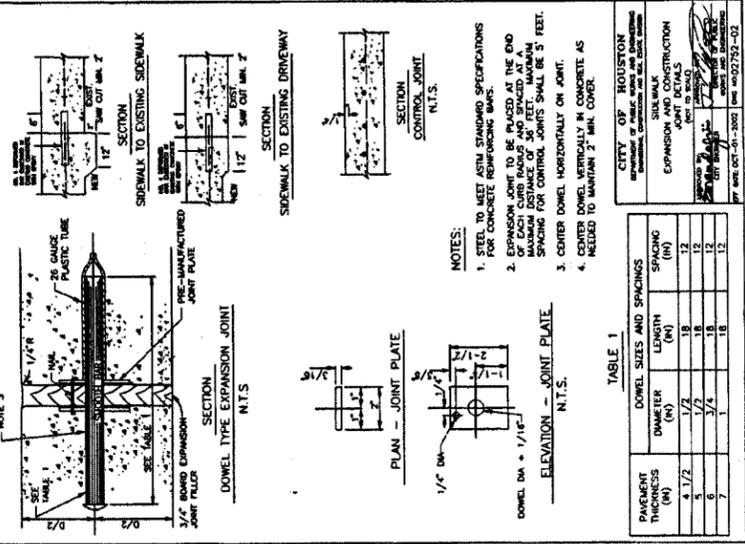
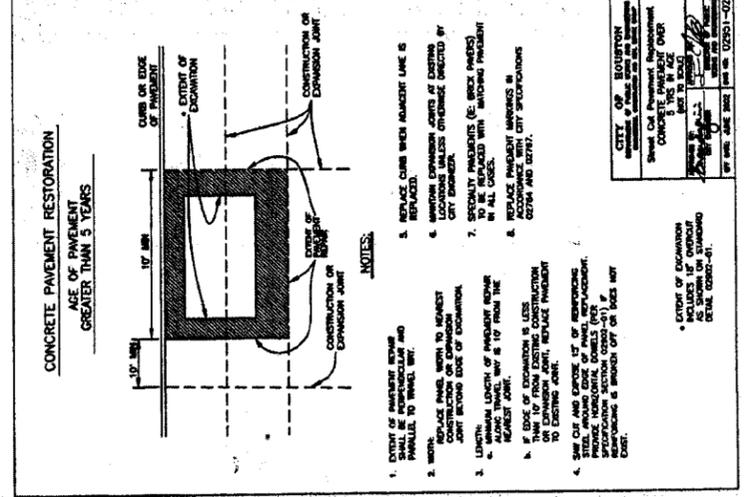
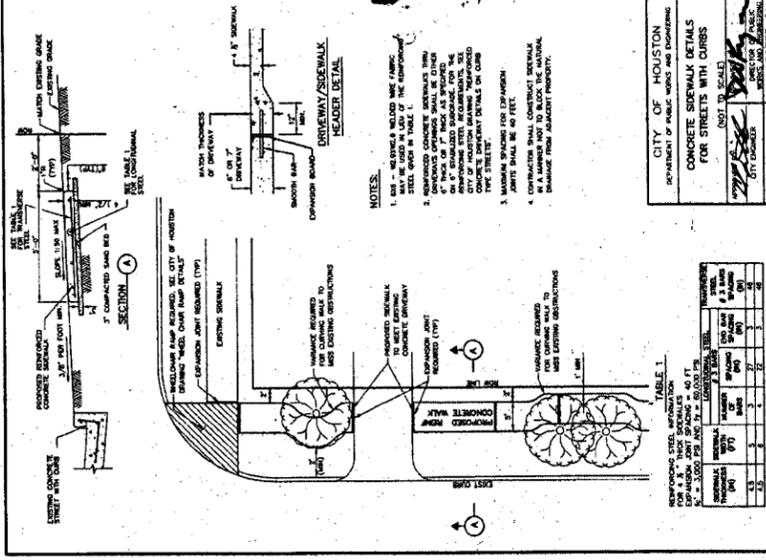
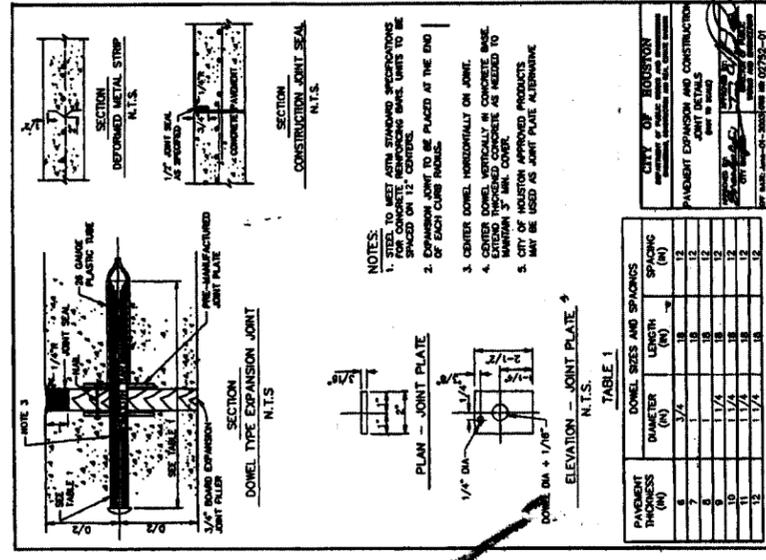
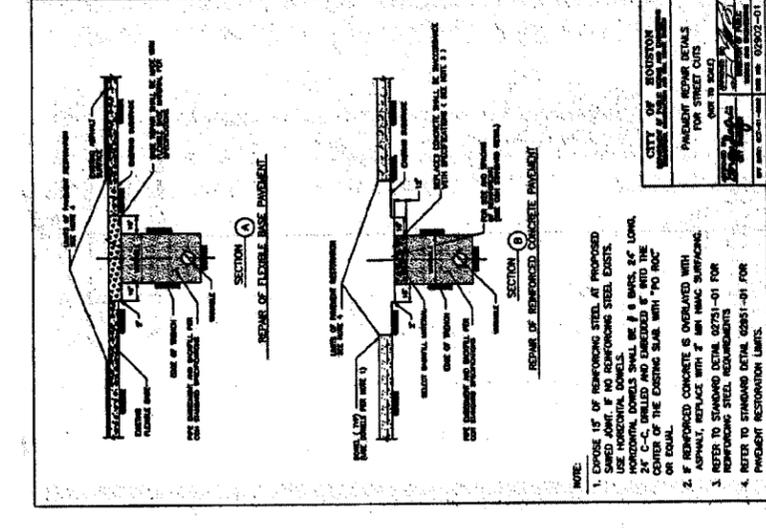
59488
CITY DRAWING NUMBER

HRGreen
11000 Katy Road, Suite 205
Houston, TX 77042
Tel: 713.966.9996
Fax: 713.966.9044

Surveyed by: KUO
FB No. P5761

WBS No. M-410290-0003-4
DRAWING SCALE
CITY OF HOUSTON PM
ROOPA MEHTA, P.E.
FILE: \\C:\Users\roopa\Documents\Projects\2014\20140201\20140201.dwg

SHEET NO. 57 OF 107



OVERALL CONSTRUCTION AND TRAFFIC CONTROL PHASING NOTES

PHASE I: GENESEE STREET (SOUTH OF WEST GRAY TO NORTH OF SAULNIER STREET)

STEP A

1. INSTALL ADVANCED WARNING SIGNS AND DEVICES.
2. CONSTRUCT WATER LINE ADJUSTMENTS AND BACKFILL.
3. CONSTRUCT STORM SEWER AND CONCRETE PAVEMENT ON WEST SIDE OF GENESEE STREET.

STEP B

4. INSTALL ADVANCED WARNING SIGNS AND DEVICES.
5. MOVE TRAFFIC ONTO NEWLY CONSTRUCTED PAVEMENT.
6. CONSTRUCT STORM INLET LEADS AND PAVEMENT ON EAST SIDE OF GENESEE STREET.

7. PHASE II: GENESEE STREET (TUAM STREET TO SOUTH OF WEST GRAY)

STEP A

1. INSTALL ADVANCED WARNING SIGNS AND DEVICES. CLOSE TRAFFIC IN SOUTHBOUND DIRECTION.
2. CONSTRUCT WATER LINES AND SANITARY SEWER LINES ON WEST SIDE OF GENESEE STREET.

3. INSTALL PROPOSED STORM SEWER AND TEMPORARY PAVEMENT ON WEST SIDE OF GENESEE STREET.

STEP B

4. CONSTRUCT STORM SEWER AND STORM SEWER LEADS AND CONCRETE PAVEMENT ON EAST SIDE.

5. CONSTRUCT PAVING ON EAST SIDE OF GENESEE STREET.

STEP C

6. INSTALL CONCRETE PAVEMENT ON WEST SIDE OF GENESEE STREET.

PHASE III: TUAM STREET (GENESEE STREET TO EAST OF HELENA STREET)

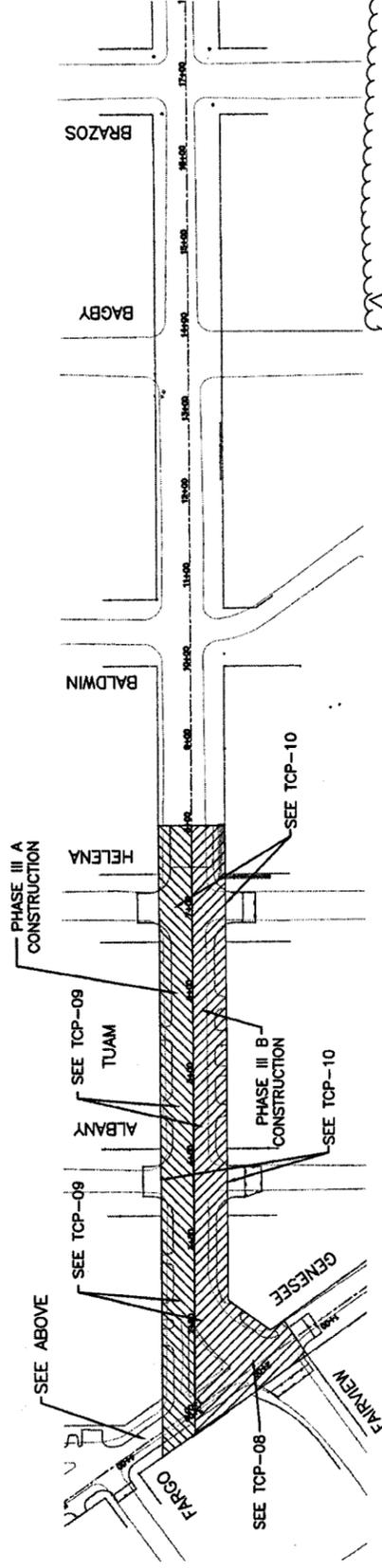
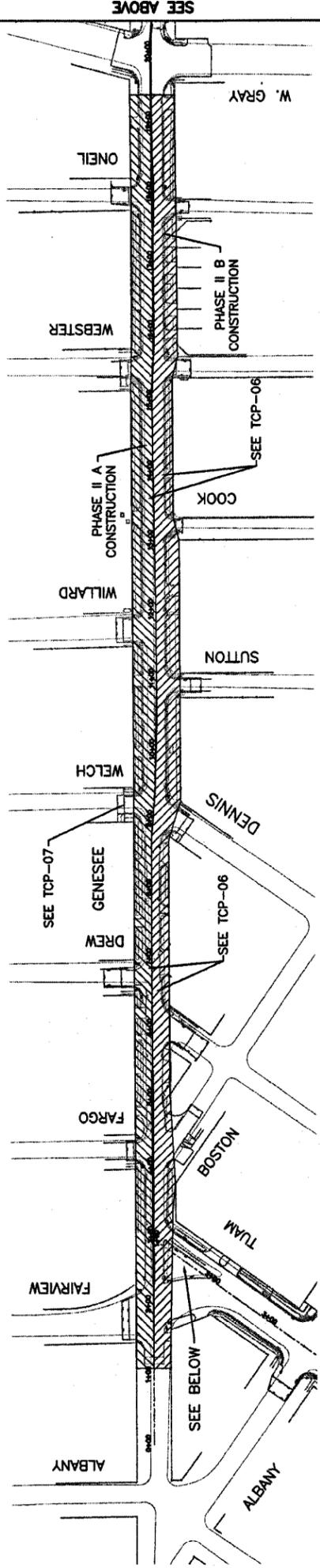
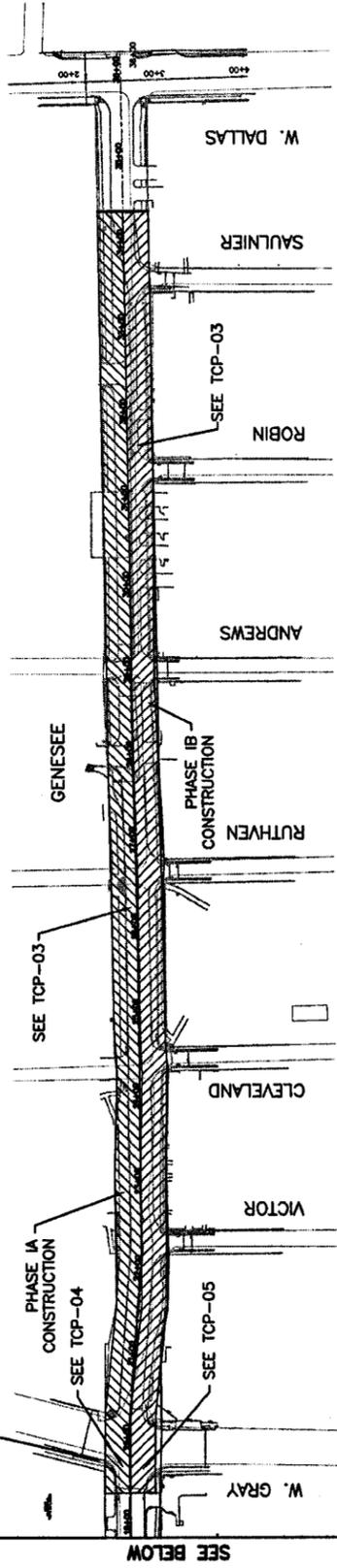
STEP A

1. INSTALL ADVANCED WARNING SIGNS AND DEVICES.
2. CONTRACTOR TO MAINTAIN TWO-WAY TRAFFIC.

3. CLOSE NORTH HALF OF TUAM STREET AND WATER LINES INCLUDING BACKFILLING.
4. INSTALL PROPOSED STORM SEWER, STREET TO EAST OF HELENA.

STEP B

1. INSTALL ADVANCED WARNING SIGNS AND DEVICES. CLOSE SOUTH HALF OF TUAM STREET.
2. MOVE TRAFFIC TO NORTH HALF OF PAVEMENT AND OPEN TO TRAFFIC.
3. CONSTRUCT STORM SEWER AND STORM LEADS, WATER LINES, AND SANITARY SEWER.
4. CONSTRUCT PAVEMENT ON SOUTH HALF OF TUAM STREET FROM GENESEE STREET TO EAST OF HELENA STREET.



LEGEND:



NOTES:

1. CONTRACTOR SHALL INSTALL TEMPORARY INTERSECTION CLOSURE SIGNS A MINIMUM OF 1 WEEK BEFORE ANY INTERSECTION CLOSURES. CONTRACTOR SHALL SUBMIT TEMPORARY INTERSECTION CLOSURE SIGN TEMPLATE TO CITY CONSTRUCTION PM FOR APPROVAL.
2. COORDINATE RELOCATIONS OF METRO BUS STOPS WITH METRO BUS CONTROL AT 713-864-2264/2272 PRIOR TO BEGINNING WORK.
3. TRAFFIC PERMITTING WILL PERMIT FOR UP TO 800 FEET OF ACTIVE CONSTRUCTION SECTIONS AND NO CONSECUTIVE CROSS-STREET CLOSURES.
4. REFER TO TCP-01 FOR SIGN AND CHANNELIZATION SPACING.

1	02/17/15	ADDED NOTE
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CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**GILLETTE TRUNKLINE
 (GENESEE SEGMENT)**
 TRAFFIC CONTROL PLAN
 OVERALL LAYOUT
 ADDENDUM NO. 1
 (SHEET REF NO.: TCP-02)



WBS NO. M-410290-0003-3
DRAWING SCALE 1"=100'
CITY OF HOUSTON PM
ROOPA META, P.E.
FILE:
SHEET NO. 72 OF 107