

June 10, 2020

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7606772

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2020-CT-030

FEDERAL-AID PROJECT NO. FAP Nos: STPG-HSIP(076)

**HSIP - Crosswalk & Signal Improvements 2020**

Statewide

CITY/TOWN OF Cranston, Middletown, North Kingstown, Providence, Warren, West Warwick, Newport

COUNTY OF PROVIDENCE, NEWPORT, WASHINGTON, BRISTOL, KENT

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

**A. CONTRACT DOCUMENTS**

1. Bid-Opening
  - i. Bid Opening Addendum – COVID-19 Emergency Protocol for Bid Openings has been included in the contract.
2. Specification – Contract Specific
  - i. Appendix B

Insert Supplemental information “Petroleum and Hazardous Materials Notice” at the end of Appendix B Soil Boring and Vacuum Excavation Logs.

3. Specification - Job Specific

i. JS Index

Delete the JS-index in its entirety and replace it with JS-index (R-1) attached to the Addendum No. 1. The JS index has been revised to include new job specific specs for items added to the contract.

ii. JS-7

Delete Page JS-7 in its entirety and replace it with JS-7 (R-1). Job Specific spec 212.2000 has been revised.

iii. JS-33 – JS-58

Insert pages JS-33 through JS-58 attached to the Addendum No. 1. Job Specific specs for items 202.9910, 202.9911, 202.9912, 202.9913, 202.9914, 202.9915, 202.9916, 202.9917, 202.9918, 202.9919, 202.9930, 208.9901, T13.9901 and T13.9902 have been added to the contract.

**B. DISTRIBUTION OF QUANTITIES**

1. Distribution of Quantities

i. Index Pages 1-2

Delete Index Pages 1-2 in its entirety and replace with revised Index Pages 1-3 (R-1) attached to this Addendum No.1. Index Pages have been revised.

ii. Page 26

Delete Page 26 in its entirety and replace with revised Page 26 (R-1) attached to this Addendum No. 1. Item T15.0100 has been revised.

iii. Pages 31

Delete Page 31 in its entirety and replace with revised Page 31 attached to this Addendum No. 1. Item No. 202.9910 has been added to the contract.

iii. Pages 32-34

Insert Pages 32-34 attached to this Addendum No. 1. Items 202.9910, 202.9911, 202.9912, 202.9913, 202.9914, 202.9915, 202.9916, 202.9917, 202.9918, 202.9919, 208.9901, T13.9901 and T13.9902 have been added.

**C. OTHER CONTRACT CHANGES**

1. Federal Wage Rates

Delete the Federal Wage Rates in its entirety and replace with the attached updated Federal Wage Rates issued June 5, 2020.

2. 212.2100 - MAINTENANCE AND CLEANING OF EROSION AND POLLUTION CONTROLS

Lowest Acceptable Bid Price of "\$3000.00" has been added.

3. 937.0200 - MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION

Lowest Acceptable Bid Price of "\$100000.00" has been added.

  
\_\_\_\_\_  
RI Department of Transportation

Administrator, Division of Project Management

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**State of Rhode Island**

**Department of Administration / Division of Purchases**

**One Capitol Hill, Providence, Rhode Island 02908-5855**

**Tel: (401) 574-8100 Fax: (401) 574-8387**

**COVID-19 EMERGENCY PROTOCOL FOR BID OPENINGS**

**RFQ# 7606772 at June 19, 2020 at 2:00 pm**

Vendors and the public are advised that due to Covid-19 emergency social distancing requirements bid openings at the Division of Purchases shall be conducted via live streaming on the ZOOM website/application . Vendors and the public shall not be permitted to enter the Division of Purchases to attend bid openings. Vendors and the public who attend bid openings via live streaming shall be required to identify themselves and a record of all such attendees shall be maintained by the Division of Purchases. Vendor bid proposals shall be opened and read aloud at the date and time listed herein. The results of bid solicitations requiring a public copy for public works projects shall be posted on the Division of Purchases website as soon as possible after the bid opening. For RFP solicitations only vendor names shall be read aloud at the opening.

Vendors and the public are further advised that visitor access to the Powers Building at One Capitol Hill, Providence, RI requires pre-screening at the entrance to the building. In accordance with the Governor's Executive Order(s) and Department of Health emergency regulations all visitors to the Powers Building must wear a cloth mask which covers the nose and mouth. Vendors delivering bid proposals to the Division of Purchases should allow sufficient time for the pre-screening process. The Division of Purchases assumes no responsibility for delays caused by the screening process or any other reason. Vendors are solely responsible for on time delivery of bid proposals. The Division of Purchases shall not accept late bids for any reason.

Division of Purchases is inviting you to a scheduled Zoom meeting.

Topic: 7606772

Time: Jun 19, 2020 02:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/93305997121?pwd=Y2hxcWN4cHVqL1B2Y2VTXQrYWtHdz09>

Meeting ID: 933 0599 7121

Password: 871987

One tap mobile

+16465588656,,93305997121#,,1#,871987# US (New York)

+13017158592,,93305997121#,,1#,871987# US (Germantown)

Dial by your location

+1 646 558 8656 US (New York)

+1 301 715 8592 US (Germantown)

+1 312 626 6799 US (Chicago)

+1 669 900 9128 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

888 788 0099 US Toll-free

833 548 0276 US Toll-free

833 548 0282 US Toll-free

877 853 5247 US Toll-free

Meeting ID: 933 0599 7121

Password: 871987

Find your local number: <https://zoom.us/u/af2Ztq1fC>

**PETROLEUM AND HAZARDOUS MATERIAL NOTICE**

Green International Affiliates, Inc. (Green) and GZA GeoEnvironmental, Inc. (GZA) conducted a review of available environmental records for adjacent properties of various locations in Rhode Island where crosswalk and signal improvements are proposed (herein referred to as the “Project Area”). The Project Area consists of six (6) locations in Providence, Middletown, Cranston, Warren, Warwick, North Kingstown and five (5) locations in Newport, Rhode Island:

- Location 1 – Elmwood Avenue at Ontario Street in Providence
  - Replace damaged mast arm at the southwest corner of the intersection
- Location 2 – West Main Road at Oliphant Lane in Middletown
  - Replace damaged mast arm at the northeast corner of the intersection
- Location 3 – Route 10 at Park Avenue in Cranston
  - Replace damaged mast arm at the southeast corner of the intersection
- Location 4 – Metacom Avenue at Ocean State Plaza in Warren
  - Full signal replacement, including control cabinet
- Location 5 – West Natick Road at Warwick Mall in Warwick
  - Replace span wires and pole with new mast arm, existing control cabinet and pedestrian signals equipment will remain
- Location 6 – Route 4 at West Allenton Road in North Kingstown
  - Install emergency preemption equipment for the West Allenton Road approaches
- Location A – Memorial Boulevard between Bellevue Avenue and Old Beach Road, Newport
  - Install speed feedback signs (solar powered) at various locations
- Location B – Memorial Boulevard at Chapel Street, Newport
  - New pedestrian hybrid beacon signal
  - Install curb extension
- Location C – Memorial Boulevard at Edgar Court, Newport
  - Replace existing pedestrian signal with new
  - Install curb extension
- Location D – Memorial Boulevard at Cliff Avenue, Newport
  - Install enhanced hard-wired powered pedestrian crossing equipment (RRFB)
- Location E – Memorial Boulevard at Old Beach Road, Newport
  - Install enhanced solar powered pedestrian crossing equipment (RRFB)

Excavation activities are proposed at the following three (3) locations within the Project Area. These locations were included in Green’s review of available environmental records:

- Location 4 – Metacom Avenue at Ocean State Plaza, Warren
- Location B – Memorial Boulevard at Chapel Street, Newport
- Location C – Memorial Boulevard at Edgar Court, Newport

Results of Green’s environmental review are documented in the March 30, 2020 *Corridor Land Use Evaluation (CLUE) Report, HSIP – Crosswalk & Signal Improvements 2020, RI Contract No. 2020-CT-030 (CLUE Report)* and indicated several properties adjacent to Project Area Locations 4, B and C are on record

with the United States Environmental Protection Agency (USEPA) and Rhode Island Department of Environmental Management (RIDEM). The following list of environmental records/databases was reviewed:

- Federal National Priorities List (NPL) List
- Federal Emergency Response Notification System (ERNS) List
- Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List
- Federal Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) Facilities List
- Federal RCRA Generators List
- Federal Brownfield Sites
- Federal institutional controls/engineering controls registries
- RIDEM State Hazardous Waste Sites (SHWS)
- RIDEM Brownfields List
- RIDEM Underground Storage Tank (UST) Database
- RIDEM Leaking Underground Storage Tank (LUST) List
- RIDEM Aboveground Storage Tank Database
- RIDEM Manifest
- RI institutional controls/engineering controls registries

Results of the review of environmental records/databases indicated there are properties adjacent to Project Area Locations 4, B and C that are on the Federal RCRA Generators List. Additionally, adjacent properties are identified as RIDEM SHWS and are regulated by RIDEM due to the former or existing presence of USTs and/or LUSTs.

Land use research was also conducted for properties within and adjacent to Project Area Locations 4, B and C. The following parcels are currently occupied by service stations and/or automobile service shops:

- Parcel 13D-66 – 600 Metacom Avenue, Warren, RI – occupied by Valvoline Instant Oil Change (formerly Grease Monkey) and has been an automobile service shop since at least 1992
- Parcel 15B-335 – 595 Metacom Avenue, Warren, RI – occupied by Coast to Coast Automotive Transmission Repair Shop and has been a general automotive repair shop since at least 1992

The following parcels were likely to have historically stored and used chemicals and/or petroleum material on-Site:

- Parcel 15B-333 – 601 Metacom Avenue, Warren, RI – occupied by an Ocean State Job Lot Plaza and has served as a Shopping Center since 1965.
- Parcel 29-144 – 43 Memorial Boulevard, Newport, RI – occupied by a Peoples Credit Union financial establishment
- Parcel 29-205 – 27 Memorial Boulevard, Newport, RI – former gas station/convenience currently occupied by a building addition to the International Tennis Hall of Fame
- Parcel 13D-1 – 592 Metacom Avenue, Warren, RI – Classic Cleaners, dry cleaning facility

The results of the review of environmental records and land use research indicated there are ten (10) properties adjacent to Project Area Location 4 and five (5) properties adjacent to Project Area Locations B and C that may contain contaminated soil and/or groundwater. Due to the proximity of these properties to the Project Areas, the potential exists for contaminated soil and/or groundwater to be encountered during construction activities. As detailed in Green's CLUE Report, the following factors were considered in order to determining a property's risk level:

- Low Risk
  - Are not, and have never been, developed, or
  - If developed, only for residential development, or for small-scale agriculture, or for commercial uses that do not/did not involve the use of chemicals, petroleum products, or other
- Moderate Risk
  - One or more significant spills or releases of oil/hazardous material (OHM) have been recorded, or
  - The property is currently, or formerly, developed for commercial/industrial type land uses which involve/did involve the use of chemicals, petroleum products, or other contaminants
- High Risk
  - Repeated OHM releases, or
  - Visual inspection of properties revealed conditions or activities that suggested that such releases were possible

The following tables taken from the CLUE summarize the potential risk factor determined for each of the ten (10) properties adjacent to the Project Area Location 4 and five (5) properties adjacent to Project Area Locations B and C. There are six (6) properties categorized as high risk, three (3) as moderate risk, and six (6) as low risk. The Contractor is referred to Green's CLUE Report for additional detail on these properties.

#### Qualitative Site Risk Evaluation – Location 4 - Warren

Parcel Number	Address	Owner	Tenant(s)	Former Use	Potential Risk
13A-79	585 Metacom Ave	WAH Metacom Associates LLC	Warren Shell Oil Products (no longer exists)	Industrial/Commercial	High
13C-4	560 Metacom Avenue	WaterRower Store	Kingsgrove Investments LLC	Industrial	High
15B-334 15B-333 15B-336	601 Metacom Ave	Ocean State Plaza Inc	Family Dollar #8425; Ocean State Plaza Shopping Center	Commercial	Moderate
15B-335	595 Metacom Ave	Redmont Realty Inc.	Coast to Coast Transmissions	Commercial	Moderate
13D-66	600 Metacom Ave	EXPRI - LLC	Valvoline Oil Change	Commercial/Garage	Moderate
13D-1	592 Metacom Ave	Correia Cidalia & Deborah A Morales	Classic Cleaners Inc	Commercial/Retail	Low
15B-338	615 Metacom Avenue	Rollo Family LLC	CVS Pharmacy #0265	Commercial	Low

Parcel Number	Address	Owner	Tenant(s)	Former Use	Potential Risk
15B-338A	611 Metacom Ave	Rollo Family LLC	R I Foot Care Inc.	Commercial	Low
13A-78A	581 Metacom Ave	Richard M Mello	Warren Animal Hospital Inc	Combo/ Residential	Low
13D-421	628 Metacom Avenue	Mayo Corporation	Sam's Cleaners	Commercial	Low

#### Qualitative Site Risk Evaluation – Locations B&C - Newport

Parcel Numbe	Address	Owner	Tenant(s)	Former Use	Potential Risk
29-144	43 Memorial Boulevard	Peoples Credit Union	Peoples Credit Union	Commercial	High
29-190	19 Chapel Street	Housing Authority of the City of Newport, RI	National Grid - Newport Housing Authority	Commercial	High
29-045	29 Memorial Boulevard	Samuels Realty Co, Inc.	7 Eleven # 23880	Commercial	High
29-205	27 Memorial Blvd	International Tennis Hall of Fame, Inc.	Former: Newport Xtra Mart - Sunoco Present: International Tennis Hall of Fame, Inc.	Commercial	High
29-162-7	55 Memorial Blvd # 7	Brian Cornell	Aquidneck Podiatry LTD	Commercial/ Condo	Low

The following table summarizes the construction (excavation) activities that are anticipated to be proximate to high or moderate risk properties that may contain contaminated soil and/or groundwater:

Parcel	Address	Environmental Listing	Adjacent Excavation Type
13A-79	585 Metacom Avenue, Warren	RCRA Inactive Generator, permanently closed UST Site, and active LUST Site	Full signal replacement, including control cabinet
13C-4	560 Metacom Avenue, Warren	RIDEM SHWS, RCRA Active Small Quantity Generator, permanently closed UST Site	
15B-334 15B-333 15B-336	601 Metacom Avenue, Warren	RCRA Active Small Quantity Generator, SRO LUST Site and permanently closed UST Site	



Parcel	Address	Environmental Listing	Adjacent Excavation Type
15B-335	595 Metacom Avenue, Warren	RCRA Inactive Generator	Full signal replacement, including control cabinet
13D-66	600 Metacom Avenue, Warren	RCRA Inactive Generator	
29-144	43 Memorial Boulevard, Newport	RIDEM SHWS, SRO LUST Site and permanently closed UST Site	Pedestrian signal installation
29-190	19 Chapel Street, Newport	RIDEM SHWS, inactive LUST Site and permanently closed UST Site	
29-045	29 Memorial Boulevard, Newport	RCRA Inactive Generator, inactive LUST Site and permanently closed UST Site	
29-205	27 Memorial Boulevard, Newport	RIDEM SHWS, inactive LUST Site and permanently closed UST Site	

GZA evaluated information available on the RIDEM Environmental Resource Map for the remaining eight (8) Project Area locations for which there are no anticipated excavation activities:

- Location 1 – Elmwood Avenue at Ontario Street in Providence
- Location 2 – West Main Road at Oliphant Lane in Middletown
- Location 3 – Route 10 at Park Avenue in Cranston
- Location 5 – West Natick Road at Warwick Mall in Warwick
- Location 6 – Route 4 at West Allenton Road in North Kingstown
- Location A – Memorial Boulevard between Bellevue Avenue and Old Beach Road, Newport
- Location D – Memorial Boulevard at Cliff Avenue, Newport
- Location E – Memorial Boulevard at Old Beach Road, Newport

The results of GZA's review of information on the RIDEM Environmental Resource Map indicated there are several properties adjacent to the Project Area locations that are on record with the USEPA and RIDEM. The following information was reviewed:

- Federal National Priorities List (NPL) List
- Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List
- RIDEM State Hazardous Waste Sites (SHWS)
- RIDEM Underground Storage Tank (UST) Database
- RIDEM Leaking Underground Storage Tank (LUST) List
- RIDEM Aboveground Storage Tank Database

Results of the review of information on the RIDEM Environmental Resource Map indicated there are properties adjacent to the five (5) Project Area locations are regulated by RIDEM due to the former or existing presence of USTs and/or LUSTs. The following table summarizes the results:

Project Location	Adjacent Parcel	Address	Environmental Listing
Location 1 - Elmwood Avenue (US Route 1) at Ontario Street, Providence	52-413	544 Elmwood Avenue, Providence	Permanently closed UST-16813 Site
	51-304	553-555 Elmwood Avenue, Providence	Permanently closed UST-15508 Site and SRO <sup>1</sup> LUST Site 28112-ST
Location 2 - West Main Road (Route 114) at Oliphant Avenue – Middletown	106-53A	1400 West Main Road, Middletown	Permanently closed UST-2029 Site
Location 5 - West Natick Road at Warwick Mall, Warwick	273-409	87 West Natick Road, Warwick	Permanently closed UST-17390 Site
Location A - Memorial Boulevard at Bellevue Avenue, Newport	29-051	174 Bellevue Avenue, Newport	Permanently closed UST-16768 Site and SRO LUST Site 2229-LS
	28-022	103 Bellevue Avenue, Newport	Permanently closed UST-4792 Site and SRO LUST Site 22102-ST
Location D - Memorial Boulevard at Cliff Avenue, Newport	31-001	117 Memorial Boulevard, Newport	Permanently closed UST-19164 Site and SRO LUST Site 2278-ST

The information reviewed indicates all the sites in the table above have achieved regulatory closure; however, the Contractor shall be responsible for reviewing all available environmental information pertaining to the Project Area. In the event that contaminated soil and/or groundwater is encountered during construction activities, the Contractor shall furnish all labor, equipment, materials, tools, supervision, transportation, and incidentals necessary to characterize, stabilize, handle, manage, and transport all materials prior to reuse, discharge, or off-Site disposal. Soil and groundwater in the Project Area may exceed the RIDEM Method 1 Residential Direct Exposure Criteria (R DEC) and Industrial/Commercial Direct Exposure Criteria (I/C DEC) set forth in the Office of Land Revitalization and Sustainable Materials Management, *Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases* (“Remediation Regulations”) effective April 22, 2020. The Contractor shall be responsible for additional safety provisions, equipment, materials, tools and supervision necessary to manage these conditions. The Contractor shall comply with the Remediation Regulations and the most recent versions of all other applicable federal, State or local requirements. Where conflict between federal, state or local requirements exists, the more stringent requirements shall apply.

The Contractor is responsible for and must adhere to the following:

1. Health and Safety Requirements

- The Contractor shall implement health and safety procedures designed to protect health, safety, public welfare, and the environment during the performance of all work.
- The Contractor shall comply with all applicable provisions of federal, State and local health and safety and occupational health and safety statutes and codes.

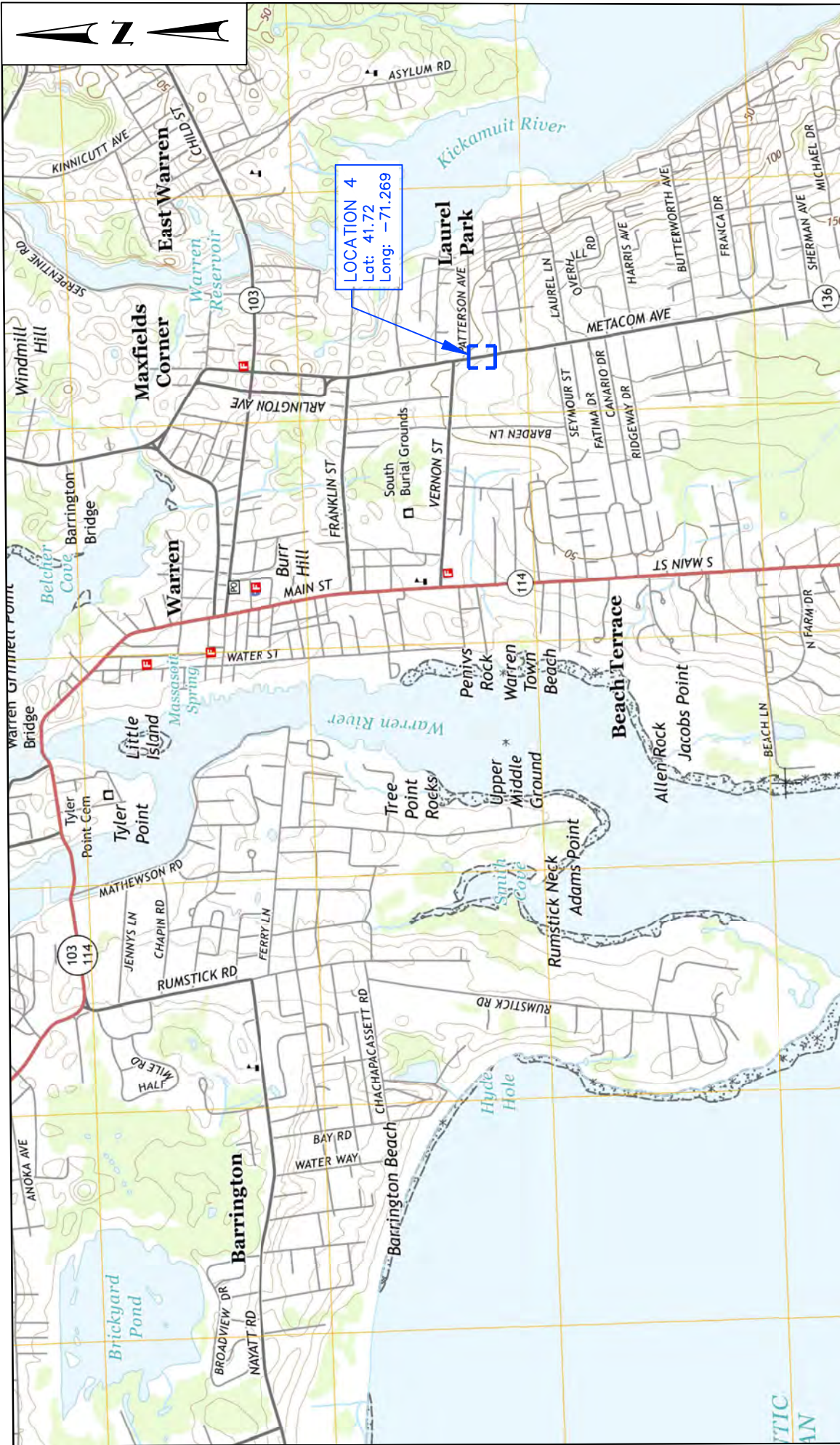
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<sup>1</sup> SRO – Soil Removal Only  
Addendum 1

- The Contractor shall engage a Certified Industrial Hygienist (CIH). The CIH shall prepare a site-specific Health and Safety Plan (HASP) prepared in accordance with the applicable state and federal regulations for all work on this project. The Contractor shall follow the site specific-HASP requirements and recommendations during all site work.
  - The Contractor shall be responsible for securing all work areas and maintaining adequate protection against damage to life and property.
  - The Contractor shall be responsible for determining the appropriate level of personal protection required based on the criteria outlined in Contractor's HASP. Work shall be suspended whenever Contractor personnel are not equipped with a sufficient level of protective clothing and equipment for the hazards encountered. In the event Contractor determines that a level of protection higher than Level D is required, Contractor shall immediately or pre-emptively notify the RIDOT Engineer, and Contractor's personnel shall take the necessary steps outlined in the HASP.
  - In the event Contractor discovers unknown, unforeseen, sudden or potentially hazardous conditions, or environmental conditions inconsistent with known existing conditions, Contractor shall notify the RIDOT Engineer immediately. The verbal notification of any environmental releases, injuries, near misses or OSHA reportable events shall be reported to the RIDOT Engineer immediately following the incident. At that time, Site actions may include a safety stand-down or safety work stoppage depending on the severity of the event. It shall be followed by a written description of the conditions. Written description shall be submitted to the RIDOT Engineer. Contractor shall cooperate with any follow up investigations conducted by the RIDOT Engineer of a reportable condition or other incident.
  - The Contractor is alerted to the fact that conditions of high hazard are present or can be present at the site during the performance of the work. It is the responsibility of the Contractor to take appropriate safety precautions to meet whatever conditions of hazard may be present during the performance of the work, whether reasonably foreseeable or not. The safety conditions enumerated within the Specifications are the minimum permissible and RIDOT does not make any representation that the safety standards provided herein will be adequate to meet all eventualities. The Contractor is therefore alerted to the fact that it shall be the Contractor's responsibility to anticipate and provide such additional safety precautions, facilities, personnel and equipment as shall be necessary to protect life and property from whatsoever conditions of hazard are present or may be present.
  - The Contractor shall comply with the requirements of OSHA excavation safety standards (29 CFR Part 1926.650 Subpart P), and all other applicable federal, State or local requirements. Where conflict between OSHA and State regulations exists, the more stringent requirements shall apply.
2. Environmental / Material Management Procedures
- The Contractor shall obtain and maintain all local, State and federal permits and/or approvals required to facilitate the performance of the work.
  - The Contractor shall perform adequate control of dust, odor, vapor, and noise/vibration during work at all times.
  - The Contractor shall equip all gas or diesel operated pumps, generators or drilling equipment with containment to mitigate the potential release of fuel to the environment.

- The Contractor shall take all necessary measures to ensure that no contamination of the soil, sediments, groundwater, surface waters, or other uncontaminated areas will occur from any of the activities required to perform the work or from equipment or materials used to perform the work. Report all spills to the RIDOT Engineer immediately. Take corrective action immediately, using approved emergency response and spill containment techniques.
- The Contractor shall be responsible for segregating excavated material that is potentially contaminated from non-contaminated (clean) material, as directed by the RIDOT Engineer and/or its representative. The temporary stockpiling of contaminated material must be done so on top of two layers of 6-mil polyethylene sheeting and must be covered with 6-mil polyethylene sheeting at the end of each workday and in accordance with the bid specifications.
- The Contractor shall manage all excess materials such that characterization and removal can be performed efficiently. Excess materials shall be managed in accordance with applicable laws, regulations, and disposal facility requirements governing transportation, recycling, and treatment/disposal.
- The Contractor shall arrange and pay for all testing necessary to properly characterize wastes for disposal at the selected facility in accordance with facility requirements.
- The Contractor is responsible for acquiring all the necessary permits and approvals in the event dewatering or the discharge of groundwater is performed during the performance of the work.

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**LEGEND:**


 APPROXIMATE LIMIT OF WORK




NOTE: DATA TAKEN FROM RIGIS

**USGS LOCUS MAP**

METACOM AVENUE AT OCEAN STATE PLAZA  
LOCATION 4  
WARREN, RHODE ISLAND

PREPARED BY:  
  
**GREEN INTERNATIONAL AFFILIATES, INC.**  
CIVIL AND STRUCTURAL ENGINEERS  
24 ALBION RD., LINCOLN, RI (401) 565-7885

PREPARED FOR:

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**  
  
2 CAPITOL HILL  
PROVIDENCE, RI 02903  
(401) 222-2461

SCALE: AS NOTED PROJECT NO. 19064.02X

DATE: 2/5/2020 DRAWN BY: OF  
REVISD: CHECKED BY: DS

**FIGURE 1A**





### USGS LOCUS MAP

HSIP – CROSSWALKS AND SIGNAL IMPROVEMENTS 2020  
 LOCATION B – MEMORIAL BOULEVARD AT CHAPEL STREET  
 LOCATION C – MEMORIAL BOULEVARD AND EDGAR COURT

PREPARED BY: <b>GREEN INTERNATIONAL AFFILIATES, INC.</b> <small>CIVIL AND STRUCTURAL ENGINEERS          24 ALBION RD., LINCOLN, RI (401) 565-7885</small>	PREPARED FOR: <b>RHODE ISLAND DEPARTMENT OF TRANSPORTATION</b> <small>2 CAPITAL HILL          PROVIDENCE, RI 02903          (401) 222-2451</small>	<h1 style="font-size: 2em;">FIGURE 1B</h1>
SCALE: AS NOTED	PROJECT NO. 19064.03X	
DATE: 2/5/2020	DRAWN BY: OF	
REVISED:	CHECKED BY: DS	

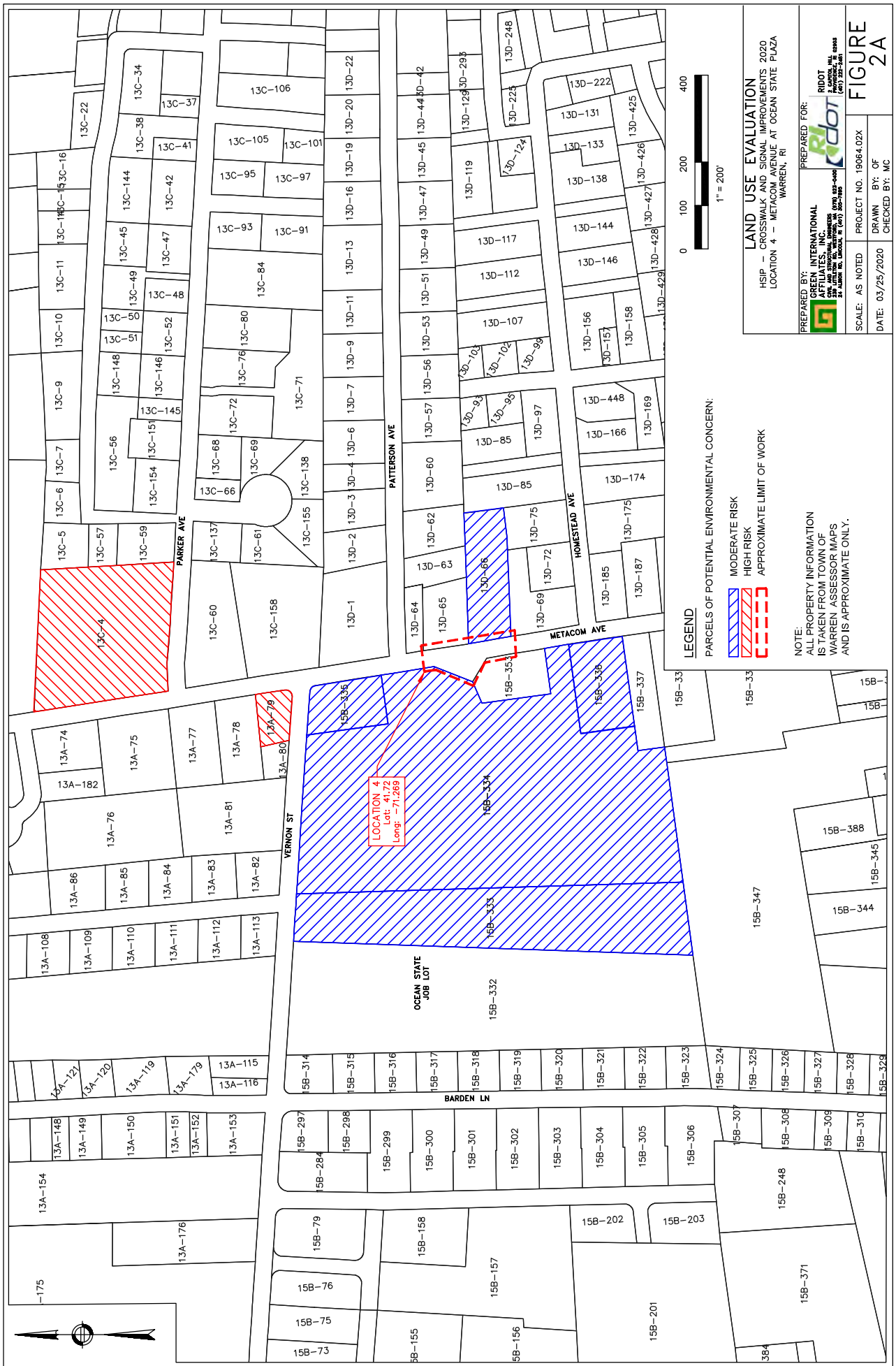
**LEGEND:**

□ APPROXIMATE LIMIT OF WORK

SCALE IN FEET: 0, 1000, 2000

ELEVATIONS IN FEET

NOTE: DATA TAKEN FROM RIGIS



**LAND USE EVALUATION**  
 HSIP - CROSSWALK AND SIGNAL IMPROVEMENTS 2020  
 LOCATION 4 - METACOM AVENUE AT OCEAN STATE PLAZA  
 WARREN, RI

PREPARED BY:  
**GREEN INTERNATIONAL AFFILIATES, INC.**  
 250 WEST BROADWAY, SUITE 200  
 NEW YORK, NY 10006  
 TEL: (212) 512-2000  
 FAX: (212) 512-2001  
 WWW.GREENINTL.COM

RIDOT  
 RI  
 PREPARED FOR:

SCALE: AS NOTED PROJECT NO. 19064-02X  
 DATE: 03/25/2020 DRAWN BY: OF  
 CHECKED BY: MC

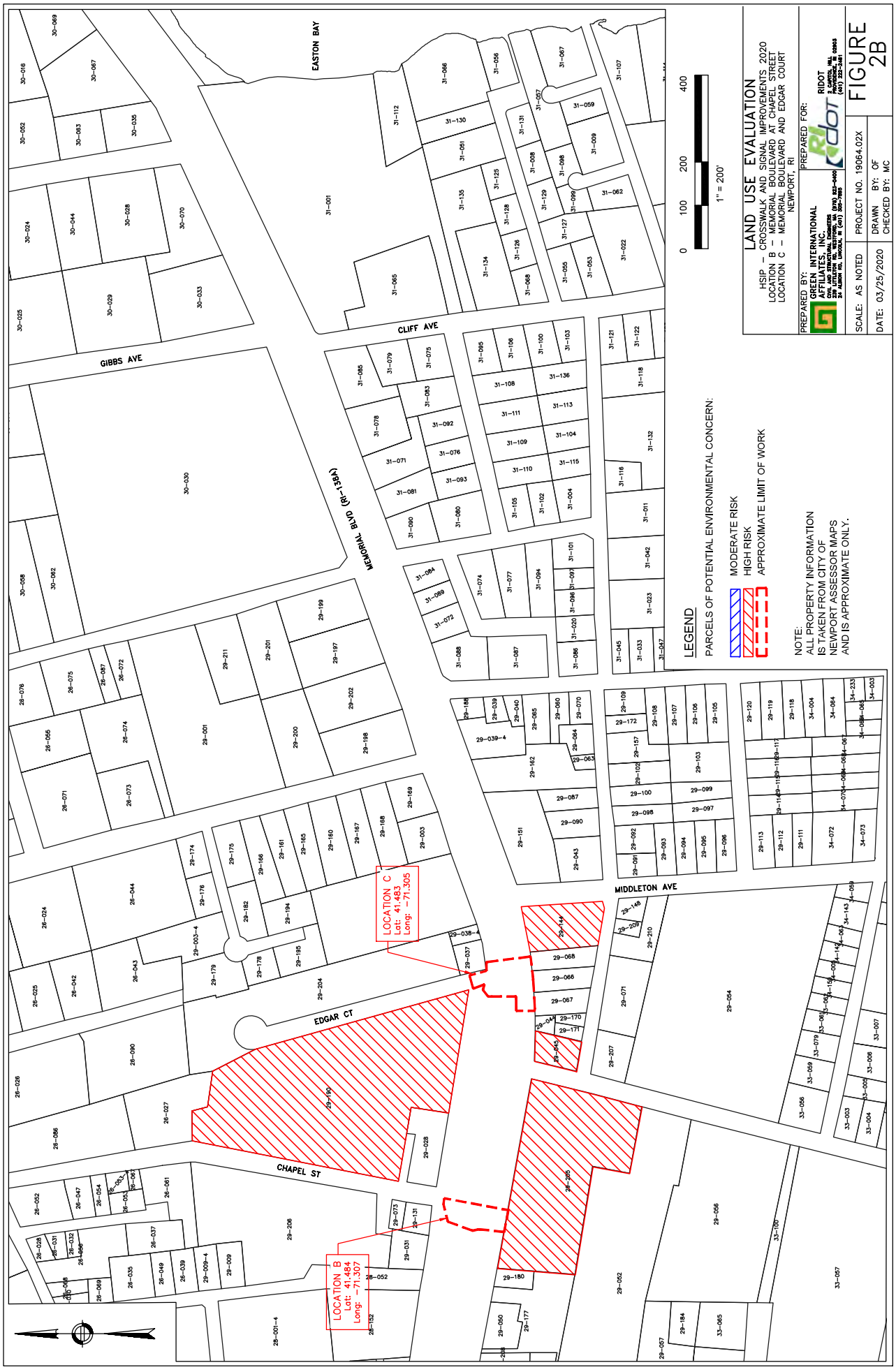
**FIGURE 2A**

**LEGEND**  
 PARCELS OF POTENTIAL ENVIRONMENTAL CONCERN:

- MODERATE RISK
- HIGH RISK
- APPROXIMATE LIMIT OF WORK

NOTE:  
 ALL PROPERTY INFORMATION IS TAKEN FROM TOWN OF WARREN ASSESSOR MAPS AND IS APPROXIMATE ONLY.





**LAND USE EVALUATION**  
 HSIP - CROSSWALK AND SIGNAL IMPROVEMENTS 2020  
 LOCATION B - MEMORIAL BOULEVARD AT CHAPEL STREET  
 LOCATION C - MEMORIAL BOULEVARD AND EDGAR COURT

PREPARED BY:  
 GREEN INTERNATIONAL AFFILIATES, INC.  
 250 W. 10th Street, Suite 200  
 Newport, RI 02840  
 (401) 885-7885

RIDOT  
 ROADWAY DESIGN & CONSTRUCTION  
 245 WATER STREET, SUITE 200  
 NEWPORT, RI 02840  
 (401) 225-3481

SCALE: AS NOTED PROJECT NO. 19064.02X  
 DATE: 03/25/2020 DRAWN BY: OF  
 CHECKED BY: MC

FIGURE 2B

**LEGEND**  
 PARCELS OF POTENTIAL ENVIRONMENTAL CONCERN:

- MODERATE RISK
- HIGH RISK
- APPROXIMATE LIMIT OF WORK

NOTE:  
 ALL PROPERTY INFORMATION IS TAKEN FROM CITY OF NEWPORT ASSESSOR MAPS AND IS APPROXIMATE ONLY.

Addendum 1



**SPECIFICATIONS - JOB SPECIFIC  
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212.2000	Cleaning and Maintenance of Erosion Controls	JS-7
905.1000	Sidewalks	JS-8
928.9901	Truck Mounted Attenuator (TMA) with Truck Mounted Flashing Arrow Board (TMFAB)	JS-9
937.1000	Maintenance and Movement of Traffic Protective Devices	JS-13
938.1000	Price Adjustments	JS-14
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T11.9903	Traffic Signal Reconstruction Location No. 3 – Route 10 at Park Avenue, Cranston	JS-20
T11.9904	Traffic Signal Reconstruction Location No. 4 – Metacom Avenue at Ocean State Plaza, Warren	JS-23
T11.9905	Traffic Signal Reconstruction Location No. 5 – West Natick Road at Warwick Mall, Warwick	JS-23
T11.9906	Traffic Signal Reconstruction Location No. 6 – Memorial Boulevard at Chapel Street, Newport	JS-23
T11.9907	Traffic Signal Reconstruction Location No. 7 – Memorial Boulevard at Edgar Court, Newport	JS-23
T14.9999	Traffic Signal Equipment Painting	JS-28
T15.9901	Rectangular Rapid Flashing Beacon System (Solar)	JS-29
T15.9902	Rectangular Rapid Flashing Beacon System (AC)	JS-29
T13.9901	Traffic Signal Loops at I-95 EB Ramp Exit 2A (Old Exit 6) Warren Avenue, Slocum Street East Providence	JS-33

<b>Code</b>	<b>Title</b>	<b>Page</b>
T13.9902	Traffic Signal Loops at I-95 WB Ramp Exit 2 (Old Exit 6) Broadway, Freeborne Street East Providence	JS-33
202.9910	Contaminated Soil Excavation	JS-39
202.9911	Handling, Hauling, and Stockpiling of Contaminated Soils	JS-43
202.9912	Load and Haul Contaminated Soil, Type 1A	JS-45
202.9913	Disposal of Contaminated Soil, Type 1A	JS-45
202.9914	Load and Haul Contaminated Soil, Type 1B	JS-45
202.9915	Disposal of Contaminated Soil, Type 1B	JS-45
202.9916	Load and Haul Contaminated Soil, Type 2	JS-45
202.9917	Disposal of Contaminated Soil, Type 2	JS-45
202.9918	Load, Haul and Dispose of Contaminated Soil, Type 3	JS-45
202.9919	Soil Sampling	JS-45
202.9930	Health & Safety Requirements	JS-54
208.9901	Soil Stockpile – Contaminated Soil	JS-57

Appendix A: Revised Subsections 206-212 Erosion Controls of the Rhode Island Standard Specifications for Road and Bridge Construction

**JOB SPECIFIC  
R.I. CONTRACT NO. 2020-CT-030**

**CODE 212.2000  
MAINTENANCE AND CLEANING OF EROSION AND POLLUTION CONTROLS**

**DESCRIPTION.** Subsection 212.03.3; Failure to Maintain Erosion and Pollution Controls, of the revised Section 212 of the Standard Specifications included in JS Appendix A, requires that a daily charge be deducted from monies due the Contractor in the event the Engineer decides that erosion and pollution controls are not in place or have not been adequately maintained.

The charge for this Contract will be as stated in Subsection 212.03.3: **Subsection 212.03.3; Failure to Maintain Erosion and Pollution Controls, of the revised Section 212 of the Standard Specifications included in JS Appendix A.**

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**JOB SPECIFIC  
R.I. CONTRACT NO. 2020-CT-030**

**ITEM CODE T13.9901  
TRAFFIC SIGNAL LOOPS AT I-95 EB RAMP EXIT 2A (OLD EXIT 6)  
WARREN AVENUE, SLOCUM STREET EAST PROVIDENCE**

**ITEM CODE T13.9902  
TRAFFIC SIGNAL LOOPS AT I-95 WB RAMP EXIT 2 (OLD EXIT 6)  
BROADWAY, FREEBORNE STREET EAST PROVIDENCE**

**DESCRIPTION:** This item of work shall conform to the applicable sections of the Rhode Island Standard Specifications for Road and Bridge Construction, amended March 2018 with all revisions.

The work shall consist of installing traffic signal loops on an existing traffic signal and providing all incidental equipment, materials, and incidental costs necessary for fully operation and controlling the traffic control signals as specified herein and as shown on the attached record plans at the following locations:

Loc. No. 1: Warren Avenue at Slocum Street in East Providence, RI

Loc. No. 2: Broadway at Freeborne Street in East Providence, RI

The installation of the proposed traffic signal loops at Locations 1 and 2 should avoid modifications to the existing handholes and conduit. Any necessary rewiring work in the existing controller cabinet and modifications and repairs to existing handholes, conduit, curbing and sidewalks shall be considered as incidental costs to this item of work.

**MATERIALS:**

- a) **Loop detector wire and lead-in cable.** The units shall comply with Section M.15.02 of the RIDOT Standard Specifications for Road and Bridge Construction, amended March 2018 with all revisions.

**NOTE: LEAD-IN cable is existing**

**CONSTRUCTION METHODS:**

The loop detectors shall be constructed in accordance with Subsection T.13.03 of the Standard Specifications and as indicated on the attached record plans.

The proposed loop vehicle detection system shall be installed at the intersection shown on the plans in accordance with Section T.13.03 of the RIDOT Standard Specifications. The system shall fully test on all approaches in all lanes as specified.

Traffic signal timings and phasing shown in the attached record plans shown at Locations 1 and 2 shown are to be followed upon installation of the proposed traffic signal loops.

**METHOD OF MEASUREMENT:** Item Code T13.9901 “Traffic Signal Loops at I-95 EB Ramp Exit 2A (Old Exit 6) Warren Avenue, Slocum Street East Providence” and T13.9902 “Traffic Signal Loops at I-95 WB Ramp Exit 2 (Old Exit 6) Broadway, Freeborne Street East Providence” shall be measured for payment by the unit “Lump Sum”.

**BASIS OF PAYMENT:** The accepted quantity of Item Code T13.9901 “Traffic Signal Loops at I-95 EB Ramp Exit 2A (Old Exit 6) Warren Avenue, Slocum Street East Providence” and T13.9902 “Traffic Signal Loops at I-95 WB Ramp Exit 2 (Old Exit 6) Broadway, Freeborne Street East Providence” will be paid each for at the contract unit bid price “Lump Sum”, which price and payment shall constitute full compensation for all labor, tools, equipment, materials, wiring, and incidentals as necessary to complete the item of work to the satisfaction of the engineer. Any rewiring work in the existing controller cabinet, signal timing and phasing adjustments, and any modifications and repairs to existing handholes, conduit, curbing and sidewalks shall be considered as incidental costs to this item of work and are to be included in the lump sum price.

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ITEM	CODE	DESCRIPTION	APPROX. QUANTITY
1	T02.0300	ELECTRIC HANDHOLE - TYPE A - PRECAST (STDS. 18.9 OR 18.10)	5 EACH
3b	T03.9909	8 PHASE ACTUATED CONTROLLER, DIGITAL, WITH 4 PHASE ASSEMBLY, POLE MOUNTED INCLUDING CABINET	1 EACH
4b	T03.1080	28 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2	1 EACH
4d	T03.1039	30 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2	1 EACH
4f	T03.1303	DUAL MAST ARM (30 FOOT BY 30 FOOT) GALVANIZED STEEL TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2	1 EACH
5r	T03.3613	1 WAY 3 SECTION MAST ARM MOUNTED SIGNAL HEAD, 12 INCH	8 EACH
5s	T03.3613	1 WAY 3 SECTION BRACKET MOUNTED SIGNAL HEAD, 12 INCH	1 EACH
6a	T03.4002	1 1/2" RIGID STEEL CONDUIT, UNDERGROUND	10 L.F.
6b	T03.4004	2" RIGID STEEL CONDUIT, UNDERGROUND	50 L.F.
6c	T03.4006	3" RIGID STEEL CONDUIT, UNDERGROUND	115 L.F.
6d	T03.4007	4" RIGID STEEL CONDUIT, UNDERGROUND	10 L.F.
6e	T03.4013	1 1/2" RIGID STEEL CONDUIT, OVERHEAD	10 L.F.
7a	T03.4311	1 1/2" PVC PLASTIC CONDUIT, OVERHEAD	20 L.F.
8a	T03.5001	6 AWG SINGLE CONDUCTOR CABLE, 600 V INSULATION	100 L.F.
8b	T03.5002	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE	500 L.F.
8c	T03.5005	14 AWG 5 CONDUCTOR CABLE	1730 L.F.
8d	T03.0000	TRAFFIC DETECTORS-LOOP, STANDARD 19.5	600 L.F.
8e	T03.0100	TRAFFIC DETECTOR RELAYS-LOOP (2 CHANNEL)	1 EACH
8f	T03.0104	TRAFFIC DETECTOR RELAYS-LOOP (4 CHANNEL)	1 EACH
	T03.9901	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEMS INCLUDING: (1) CONCRETE FOUNDATION (2) HANDHOLES (3) PRESSURE VEHICLE DETECTOR	1 L.S.
	T06.0000	DIRECTIONAL, REGULATORY AND WARNING SIGNS	82 S.F.
	T06.0004	REMOVE & DISPOSE DIRECTIONAL, REGULATORY, WARNING AND SERVICE SIGNS	3 EACH
	T07.0000	PARKING SIGNS	1.5 S.F.
	T09.0124	4 INCH THERMOPLASTIC PAVEMENT MARKINGS, WHITE	910 L.F.
	T09.0128	8 INCH THERMOPLASTIC PAVEMENT MARKINGS, WHITE	525 L.F.
	T09.0129	12 INCH THERMOPLASTIC PAVEMENT MARKINGS, WHITE	285 L.F.
	T09.0130	24 INCH THERMOPLASTIC PAVEMENT MARKINGS, WHITE	100 L.F.
	T09.0134	4 INCH THERMOPLASTIC PAVEMENT MARKINGS, YELLOW	920 L.F.
	T09.0152	THERMOPLASTIC LEFT/RIGHT ARROW	1 EACH
	T09.0154	THERMOPLASTIC COMBINED ARROW	1 EACH
	T09.0160	THERMOPLASTIC MARKING WORD-"ONLY"	2 EACH
	L09.0109	TREE TRIMMING	4 CHRS
	905.9901	INSTALLATION OF WHEELCHAIR RAMP IN GRANITE CURBED AREAS	30 S.Y.

R.I. STATE TRAFFIC SIGNAL NO.

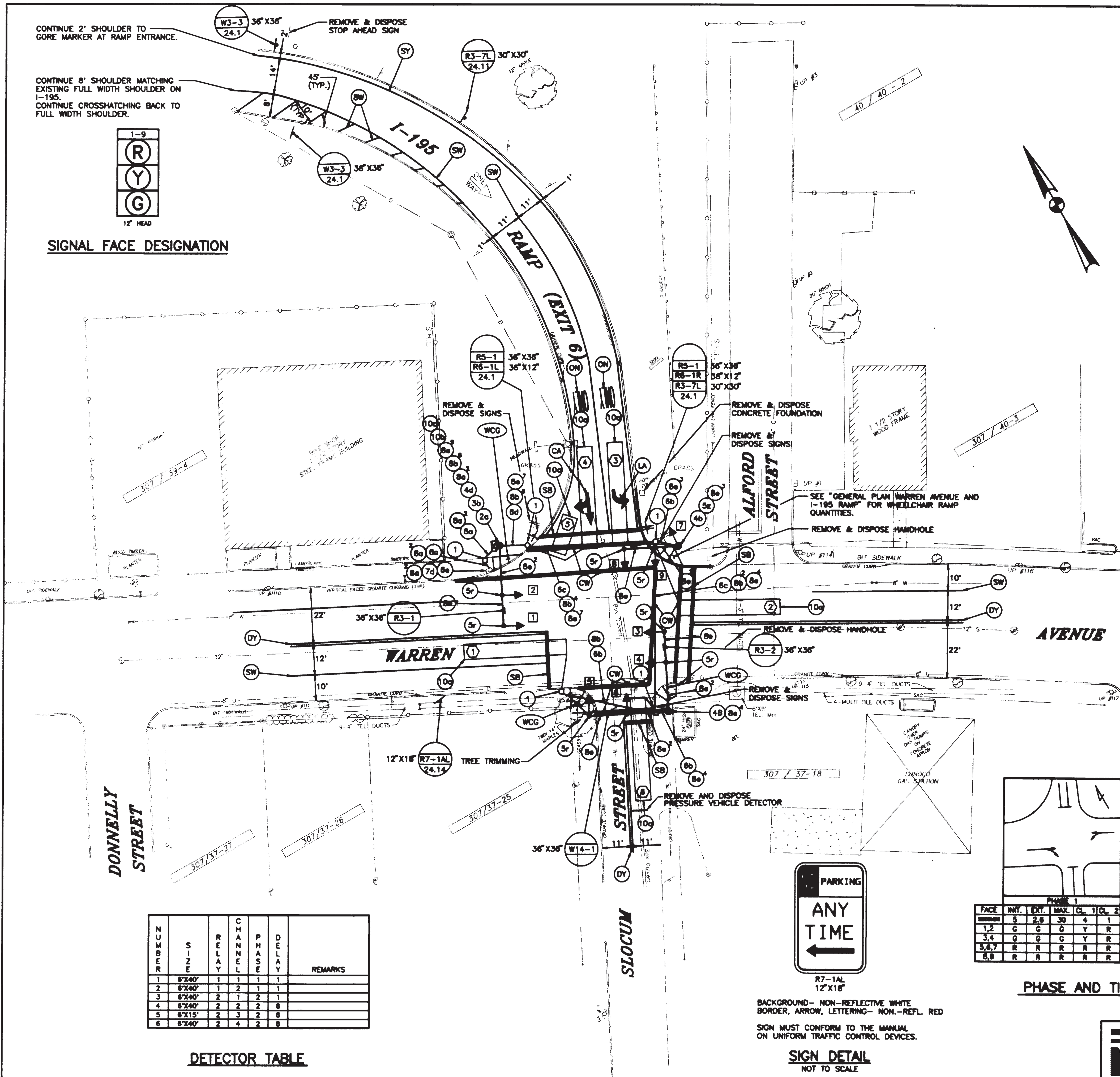
RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF PUBLIC WORKS

TRAFFIC CONTROL IMPROVEMENTS  
CONTRACT 1A-EAST BAY

TRAFFIC SIGNAL PLAN  
WARREN AVENUE AND  
I-195 RAMP

EAST PROVIDENCE RHODE ISLAND

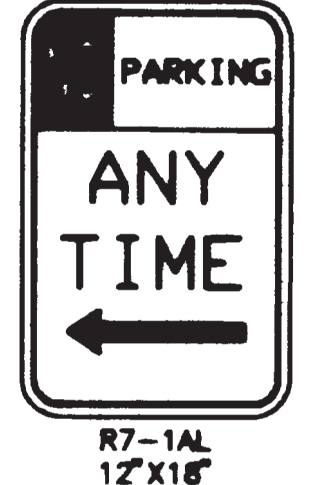
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE 1"=20'



**NOTE:**  
SEE "GENERAL PLAN WARREN AVENUE AND I-195 RAMP" FOR CURBING MODIFICATIONS AND PAVEMENT RECONSTRUCTION DETAILS.

FACE	PHASE 1					PHASE 2				
	INT.	EXT.	MAX.	CL. 1	CL. 2	INT.	EXT.	MAX.	CL. 1	CL. 2
1,2	G	G	30	Y	R	R	R	35	Y	R
3,4	G	G	30	Y	R	R	R	35	Y	R
5,6,7	R	R	30	Y	R	R	R	35	Y	R
8,9	R	R	30	Y	R	R	R	35	Y	R

PHASE AND TIMING DIAGRAM



R7-1AL  
12" X 18"  
BACKGROUND- NON-REFLECTIVE WHITE  
BORDER, ARROW, LETTERING- NON.-REFL. RED  
SIGN MUST CONFORM TO THE MANUAL  
ON UNIFORM TRAFFIC CONTROL DEVICES.

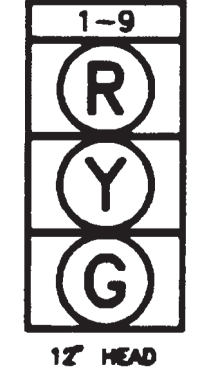
SIGN DETAIL  
NOT TO SCALE

NUMBER	SIZE	CHANNEL RELAY	PHASE DELAY	REMARKS
1	8"x40"	1	1 1 1	
2	8"x40"	1	2 1 1	
3	8"x40"	2	1 2 1	
4	8"x40"	2	2 2 8	
5	8"x15"	2	3 2 8	
6	8"x40"	2	4 2 8	

DETECTOR TABLE

CONTINUE 2' SHOULDER TO CORE MARKER AT RAMP ENTRANCE.

CONTINUE 8' SHOULDER MATCHING EXISTING FULL WIDTH SHOULDER ON I-195. CONTINUE CROSSHATCHING BACK TO FULL WIDTH SHOULDER.



SIGNAL FACE DESIGNATION

R.A. CATALDO ENGINEERING  
141 PIONEER ROAD  
PATTUCHEE, R.I. 02880



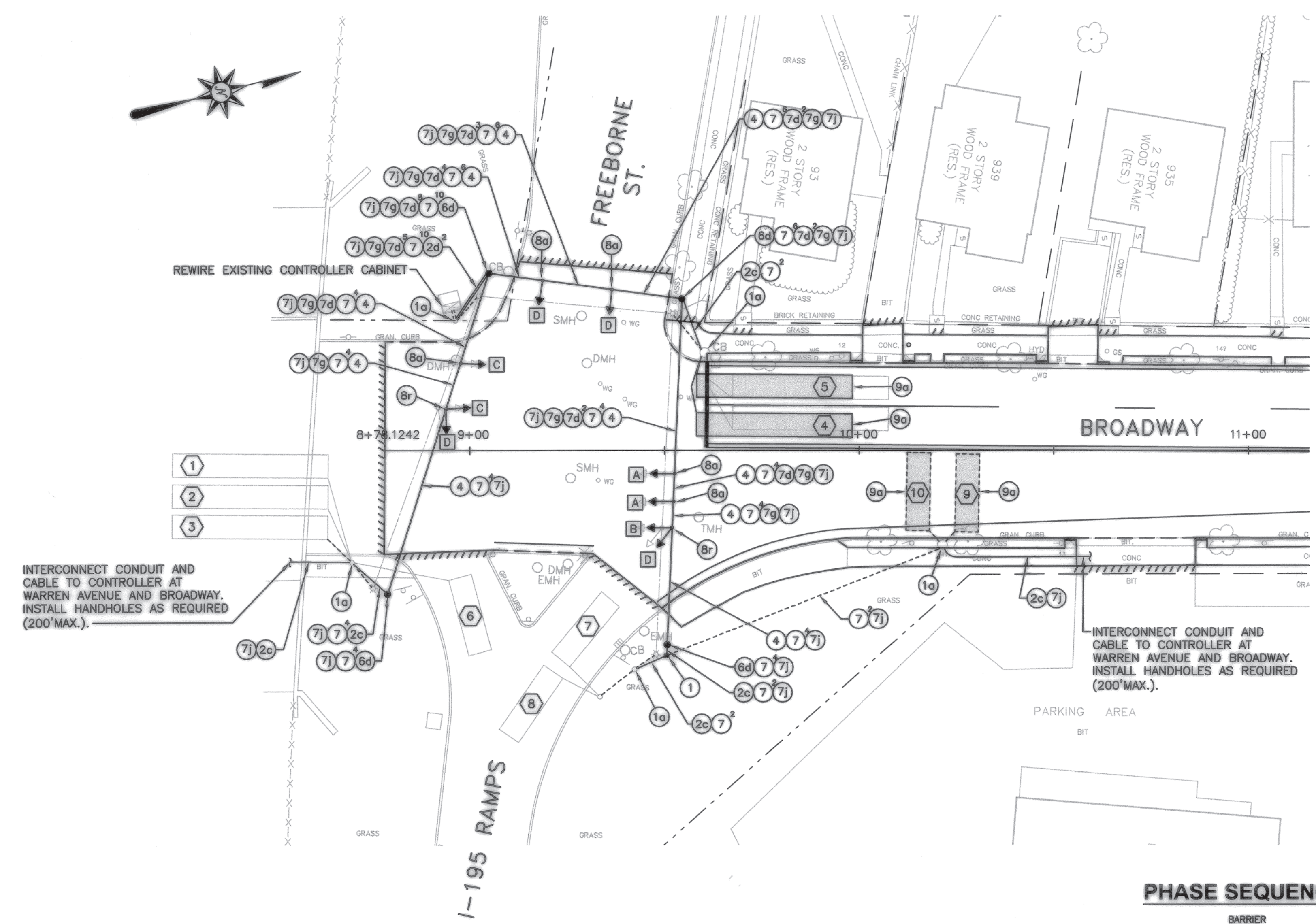
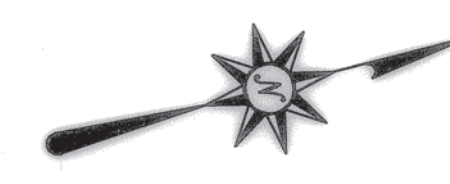
SEQUENCE AND TIMING DIAGRAM																																		
APPROACH	DIRECTION	HOUSING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	FLASHING OPERATION							
MINIMUM INTERVAL			5			5																												
VEHICLE EXTENSION			2.4			2.4																												
MAXIMUM 1			45			25																												
MAXIMUM 2			0			0																												
YELLOW CLEARANCE				4			4																											
RED CLEARANCE					1			1																										
WARREN AVENUE	EB	1,2	G	Y	R	R	R	R																										
WARREN AVENUE	WB	3,4	G	Y	R	R	R	R																										
SLOCUM STREET	NB	5,6	R	R	R	G	Y	R																										
I-195 EB OFF-RAMP	SB	7,8,9	R	R	R	G	Y	R																										
DETECTOR			NON-LOCK				NON-LOCK																											
RECALL			SOFT				OFF																											
			Ø1				Ø2				Ø3				Ø4				Ø5				Ø6				Ø7				Ø8			
<p><b>SEQUENCE AND TIMING NOTES:</b></p> <p>ALL INFORMATION SHOWN ON THIS SEQUENCE AND TIMING DIAGRAM REPRESENTS EXISTING OPERATING CONDITIONS AT THIS INTERSECTION. THE CONTRACTOR SHALL PROVIDE THE SAME SEQUENCE OF OPERATION AS SHOWN. COORDINATED OPERATIONS AND TIMING REVISIONS WILL BE PROVIDED TO THE CONTRACTOR DURING CONSTRUCTION. SEE SPECIAL PROVISIONS.</p>																																		

Vanasse Hangen Brustlin, Inc.

Sheet 10 of 47

Warren Avenue at Slocum Street  
Existing Signal Sequence and  
Timing Diagram - Location A3  
East Providence, Rhode Island

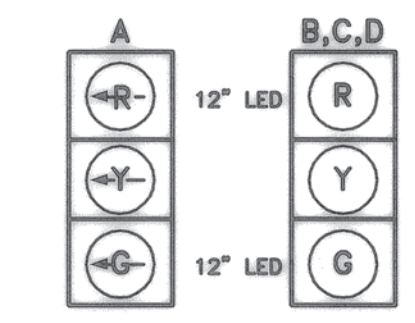




**NOTES:**

1. REMOVE AND SALVAGE ALL EXISTING EQUIPMENT INCLUDING; CONTROL SYSTEM YAGI ANTENNA, RADIO, SPAN POLES, SPAN WIRE, WIRING AND SIGNAL HEADS, UNLESS OTHERWISE INDICATED OR AS DIRECTED BY THE ENGINEER. THE CABINET AND CONTROLLER EQUIPMENT SHALL BE RETAINED AND REWIRED TO REPLICATE EXISTING CONDITIONS.
2. ALL PROPOSED SIGNAL FACES ARE TO HAVE RED AND GREEN LED INDICATIONS.

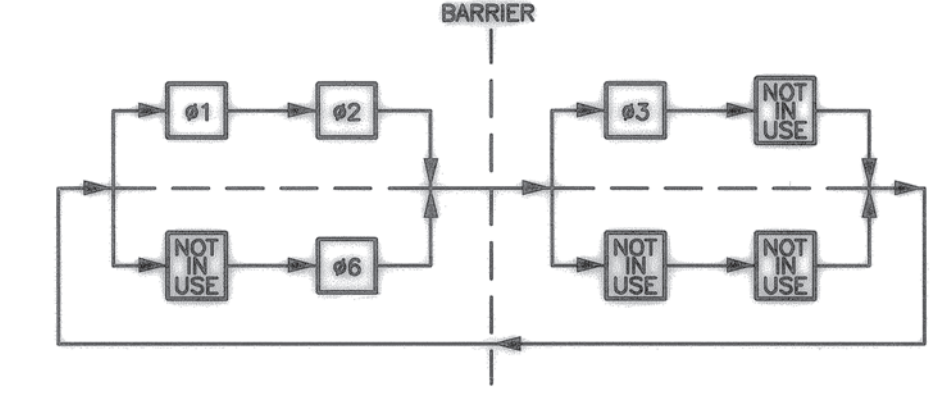
**SIGNAL HEADS**



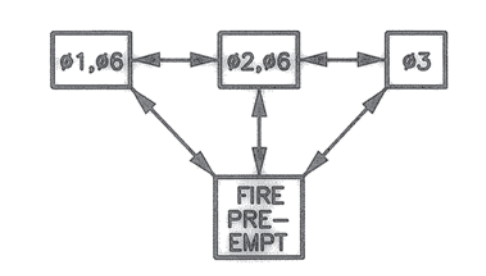
INTERCONNECT CONDUIT AND CABLE TO CONTROLLER AT WARREN AVENUE AND BROADWAY. INSTALL HANDHOLES AS REQUIRED (200' MAX.).

INTERCONNECT CONDUIT AND CABLE TO CONTROLLER AT WARREN AVENUE AND BROADWAY. INSTALL HANDHOLES AS REQUIRED (200' MAX.).

**PHASE SEQUENCE**



**PREFERENTIAL PHASE SEQUENCE**



PHASING AND TIMING			#1	#2	#3	#4	#5	#6	#7	FIRE PRE-EMPT	FLASHING										
STREET	DIR.	HEADS	GREEN	CL1	CL2	GREEN	CL1	CL2	GREEN	CL1	CL2	GREEN	CL1	CL2	GREEN	CL1	CL2	GREEN	CL1	CL2	
BROADWAY	NB	A	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
BROADWAY	NB	B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
BROADWAY	SB	C	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R
RAMP DR-5	WB	D	R	R	R	R	R	R	G	Y	R	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE
INTERVALS																					
INITIAL I			8			8						8									30
EXTENSION			2.4			2.4						2.4									-
MAX 1 (AM PEAK)			26			30						30									30
MAX 2 (PM PEAK)			24			39						39									30
CLEARANCE				3.5	1.5		3.5	1.5		3.5	1.5		3.5	1.5		3.5	1.5		3.5	1.5	
PEDESTRIAN																					
MEMORY			NON-LOCKING			LOCK						LOCK									
RECALL			OFF			SOFT						SOFT									

**LOOP DETECTOR DATA**

DETECTOR NO.	SIZE	RELAY	SLOT	PHASE	DELAY
1	6'x40'	1	2	#1	-
2	6'x40'	1	2	#1	-
3	6'x40'	1	2	#6	-
4	6'x40'	1	2	#1	-
5	6'x40'	2	4	#2	-
6	6'x30'	2	4	#3	5
7	6'x20'	2	4	#3	5
8	6'x20'	2	4	#3	5
9	6'x15'	3	6	SYSTEM	-
10	6'x15'	3	6	SYSTEM	-

REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION

**1R IMPROVEMENTS TO  
U.S. ROUTE 44 AND  
BROADWAY**

EAST PROVIDENCE      RHODE ISLAND

**TRAFFIC SIGNAL PLAN No.4**

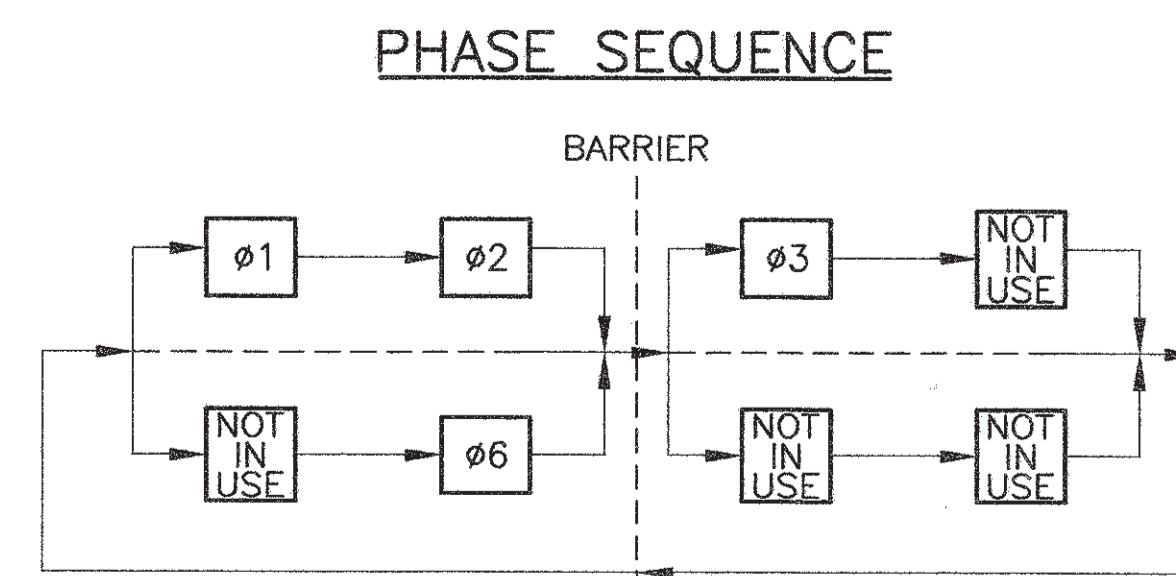
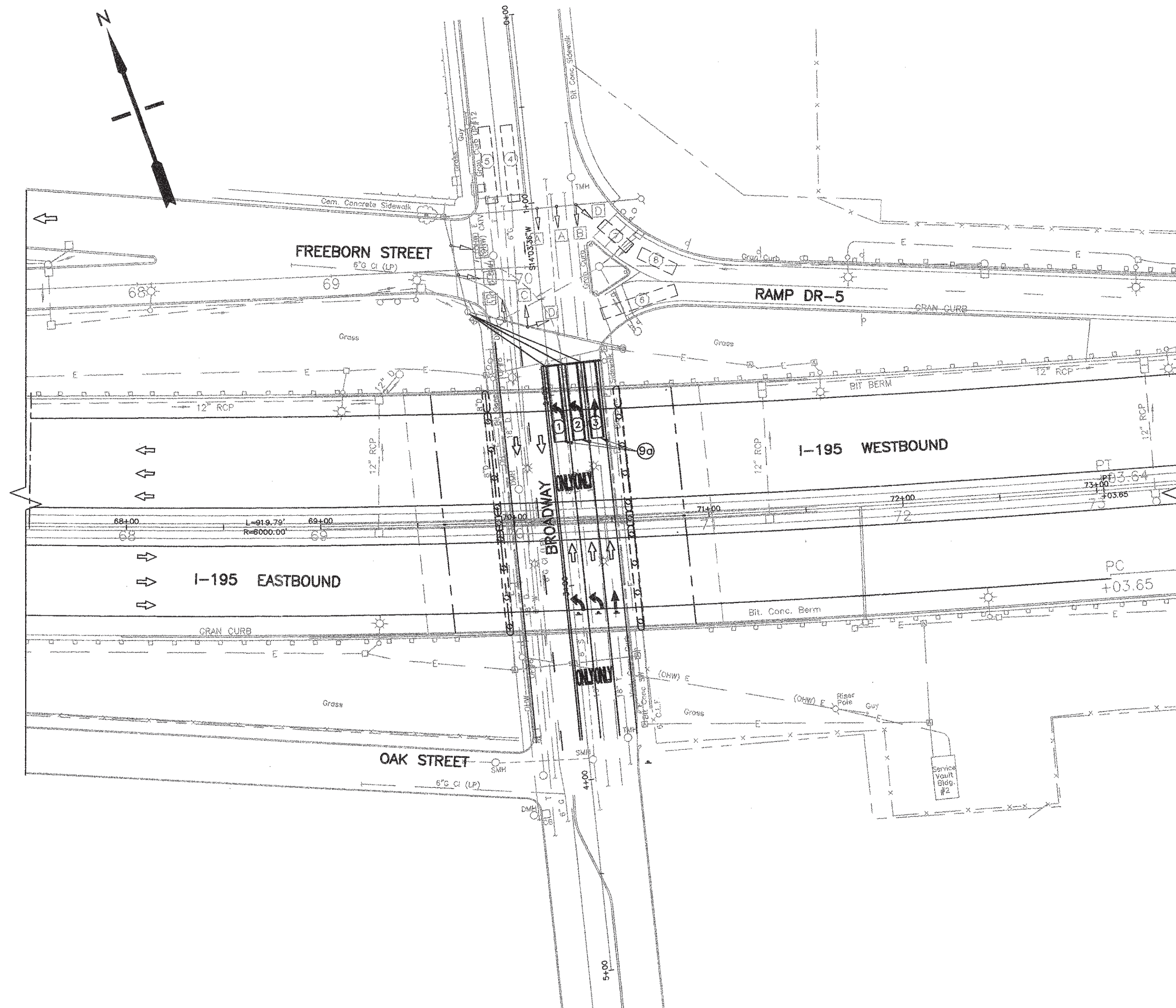
CITY OF EAST PROVIDENCE

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ SCALE: 1"=20'

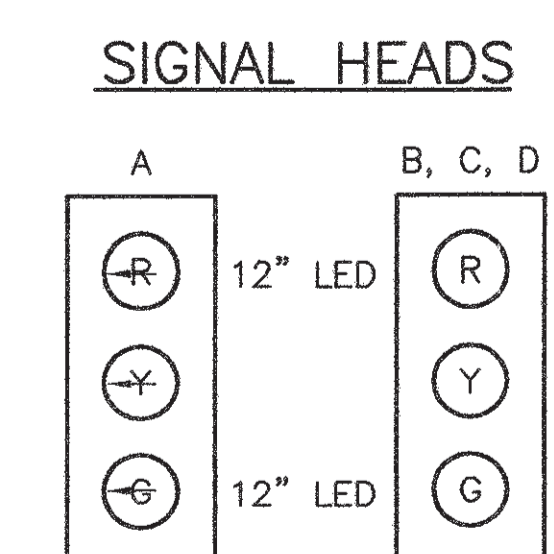
**BETA** Beta Group, Inc.  
Engineers • Scientists • Planners

6 Blockstone Valley Place Lincoln, RI 02885 401.333.2382 fax: 401.333.9225  
1420 Providence Hwy. (Rte. 1) Norwood, MA 02062 781.255.1982 fax: 781.255.1974  
email: BETA@BETA-INC.com





LOOP DETECTOR NO.	PHASE	RELAY	SLOT NO.	SIZE	DELAY SETTINGS (SECONDS)	OPERATION
1	1	1	1	6'x40'	-	PRESENCE
2	1	1	2	6'x40'	-	PRESENCE
3	6	1	3	6'x40'	-	PRESENCE
4	2	2	1	EXISTING	-	PRESENCE
5	2	2	2	EXISTING	-	PRESENCE
6	3	2	3	EXISTING	5	PRESENCE
7	3	2	4	EXISTING	5	PRESENCE
8	3	3	1	EXISTING	5	PRESENCE



NO.	LEGEND	DESCRIPTION
9a	[Symbol]	TRAFFIC DETECTOR, LOOP STD. 19.5
	[Symbol]	TRAFFIC DETECTOR LOOP (EXISTING)
	[Symbol]	CONTROLLER (EXISTING)
	[Symbol]	SIGNAL HEAD (EXISTING)
	[Symbol]	HANDHOLE (EXISTING)

PHASING AND TIMING	ø1		ø2		ø3		ø4		ø5		ø6		ø7		FIRE PRE-EMPT		OPERATION		
	GREEN	CL1	CL2	GREEN	CL1	CL2	GREEN	CL1	CL2	GREEN	CL1	CL2	GREEN	CL1	CL2	GREEN		CL1	CL2
BROADWAY NB	A	-R	-Y	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R
BROADWAY NB	B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
BROADWAY SB	C	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R
RAMP DR-5 WB	D	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
INTERVALS																			
INITIAL 1	8		8		8		NOT IN USE		NOT IN USE		8		NOT IN USE		30				
EXTENSION	2.4		2.4		2.4		NOT IN USE		NOT IN USE		2.4		NOT IN USE		-				
MAX 1 (AM PEAK)	26		30		34		NOT IN USE		NOT IN USE		30		NOT IN USE		30				
MAX 2 (PM PEAK)	24		39		27		NOT IN USE		NOT IN USE		39		NOT IN USE		30				
CLEARANCE PEDESTRIAN	3.5 1.5		3.5 1.5		3.5 1.5		NOT IN USE		NOT IN USE		3.5 1.5		NOT IN USE		3.5 1.5				
MEMORY	NON-LOCKING		LOCK		NON-LOCKING		NOT IN USE		NOT IN USE		LOCK		NOT IN USE		NOT IN USE				
RECALL	OFF		SOFT		OFF		NOT IN USE		NOT IN USE		SOFT		NOT IN USE		NOT IN USE				

THE LOUIS BERGER GROUP, INC.  
PROVIDENCE, RHODE ISLAND  
DATE: SEPT.17, 2002 DESIGNED BY: RK  
SCALE: 1"=40' SHEET 22 OF 53

REVISIONS	RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO. DATE BY	PROJECT TITLE	
	INTERSTATE ROUTE 195	
	BROADWAY BRIDGE NO. 470	
	EAST PROVIDENCE RHODE ISLAND	
	FINAL CONDITION	
	TRAFFIC SIGNAL PLAN	
	BROADWAY & RAMP DR-5	
	CHECKED BY HP	DATE SEPT.17, 2002 SCALE 1"=40'



## **JOB SPECIFIC**

### **CODE 202.9910 CONTAMINATED SOIL EXCAVATION**

**DESCRIPTION:** This item includes the excavation of potentially contaminated soils. During the course of the project, contaminated soils have the potential to be located in the following areas where soil excavation will be performed for the project:

- Metacom Avenue at Ocean State Plaza in Warren, RI
  - Full signal replacement, including control cabinet
- Memorial Boulevard at Chapel Street, Newport, RI
  - New pedestrian hybrid beacon signal
  - Install curb extension
- Memorial Boulevard at Edgar Court, Newport, RI
  - Replace existing pedestrian signal with new
  - Install curb extension

In addition, the following locations were identified to have underground storage tanks (USTs) and/or leaking USTs located in the immediate vicinity.

- Location 1 – Elmwood Avenue at Ontario Street in Providence
- Location 2 – West Main Road at Oliphant Lane in Middletown
- Location A – Memorial Boulevard between Bellevue Avenue and Old Beach Road, Newport
- Location D – Memorial Boulevard at Cliff Avenue, Newport
- Location 5 – West Natick Road at Warwick Mall in Warwick

Environmentally impacted properties are identified in the March 30, 2020 *Corridor Land Use Evaluation* (CLUE) prepared by Green International Affiliates, Inc. For additional information and approximate locations, refer to the figures presented in the CLUE Report. Copies of these figures are also provided in Appendix B *Petroleum and Hazardous Material Notice*.

If encountered, contaminated soil shall be excavated from the area. Excavated contaminated soil management shall be completed in accordance with Code 202.9911 Handling, Hauling, and Stockpiling of Contaminated Soil. The work shall be performed in accordance with all appropriate sections of the Rhode Island Department of Transportation (RIDOT) Standard Specifications for Road and Bridge Construction, 2010 Edition, and in compliance with all applicable permits.

Contaminated soil loading and hauling from the contaminated soil excavation area and stockpiling in the RIDOT-approved contaminated soil stockpile area shall be paid for in accordance with Code 202.9911 Handling, Hauling, and Stockpiling of Contaminated Soil. The contaminated soil stockpile construction and maintenance shall be paid for in accordance with Code 208.9901 Soil Stockpile – Contaminated Soil. Loading, hauling, and off-site recycling/disposal shall be paid for in accordance with Codes 202.9912 through 202.9917 Load, Haul, and Dispose of Type 1A, Type 1B, Type 2 and Type 3 Soils.

**SUBMITTALS:**

The Contractor shall prepare and submit two copies of a Soil Management Plan (SMP) to RIDOT for review and approval. The SMP shall describe how the Contractor will comply with the soil management requirements as described in Job Specific Code 202.9911 Handling, Hauling, and Stockpiling of Contaminated Soil. The SMP shall include a list of all equipment, including sizes and capacities the sequencing of all soil removal activities, all proposed on-site and off-site stockpile locations and their respective capacities, contaminated soil loading and hauling methodologies, and off-site recycling/disposal facilities. The sequence shall identify specific excavations, proposed stockpile locations and capacities. The Contractor shall be required to sequence excavation operations so as not to exceed the stockpile location capacity. The SMP shall include an operation log that will be used to document daily contaminated soil excavation activities.

**HEALTH AND SAFETY PLAN:** The Contractor shall produce and maintain a site-specific Health and Safety Plan (HASP) in compliance with Code 202.9930 Health and Safety Requirements. The site-specific HASP shall be implemented as part of this work. The Contractor shall provide three copies of the OSHA 40-hour health and safety training and the 8-hour refresher training certificates, if applicable, to RIDOT for the persons that will be performing the contaminated soil excavation work.

The Contractor's employees and Subcontractor's employees who will be potentially directly exposed to the contaminated soils are required to have OSHA 40-hour health and safety training and the 8-hour refresher training, if applicable. The Contractor shall provide one copy of the training certificates to RIDOT for the persons that will be performing the work.

If visible dust is generated, the level of dermal and respiratory protection shall be determined based upon periodic air monitoring to be performed by the Contractor and the requirements of the Site-specific HASP. RIDOT may conduct duplicate air monitoring for quality assurance purposes. Level D protection shall be the minimum personal protective level for all on-site personnel.

**APPLICABLE LAWS AND REGULATIONS:** The excavation, removal, stockpiling, and transportation of contaminated soil shall be conducted in accordance with the Environmental Protection Agency (EPA) and the Rhode Island Department of Environmental Management (RIDEM) regulations, the RIDOT-approved SMP, and in compliance with all applicable permits.

**MATERIALS:** The Contractor shall supply and utilize all required materials to adequately complete contaminated soil excavation. Personal protective equipment shall be as specified in the Contractor's site-specific Health and Safety Plan prepared in accordance with 202.9930, Health and Safety Requirements.

**CONTAMINATED SOIL EXCAVATION:** The Contractor may choose and implement any effective and lawful method for excavating contaminated soil encountered in the work area provided they perform the required excavation subject to the RIDOT approved SMP. The Contractor shall assume all responsibility for the adequacy of the methods, materials, documentation, and equipment employed.

The Contractor shall ensure that compliance with applicable regulations is maintained during all contaminated soil earthwork operations. The Contractor shall maintain copies of the SMP on-site. The Contractor shall be required to maintain an operation log during the contaminated soil earthwork activities to include, but not be limited to, dates of earthwork activities, dates and times of field sampling, soil management observations, and tracking related to stockpile generation. The operation log shall be submitted to the RIDOT Resident Engineer daily to document the operations associated with contaminated soil earthwork activities. The Contractor and Resident Engineer shall sign the operating log at the completion of contaminated soil excavation activities. The Contractor shall not resume contaminated soil excavation activities until the daily log for the previous day has been signed by the Contractor and the RIDOT Resident Engineer.

In addition to the above, the Contractor is responsible for erosion and pollution controls in accordance with local, state and federal regulations as well as what is included in the Contract Documents.

During excavation of contaminated soil, the Contractor shall be required to control dust emission and sedimentation erosion. Erosion control devices shall be installed as shown on the Plans or as directed by RIDOT. All excavated soils, deemed non-compliant by the RIDOT Inspector and field screen results, shall immediately be placed into trucks, covered, and hauled to be stockpiled in the appropriate RIDOT-approved dry contaminated soil stockpile or wet contaminated soil stockpile. In the event the material has been pre-characterized by the Contractor through laboratory analysis, it may be live-loaded and hauled to an off-site RIDOT-approved and appropriately permitted/licensed receiving facility. Stockpiles shall be constructed in accordance with Item Code 208.9901 Soil Stockpile – Contaminated Soil. Stockpile areas shall be selected by the Contractor at no additional cost to the State and are subject to the approval of RIDOT.

While engaged in contaminated soil excavation work, the Contractor shall be subject to on-site inspection by the RIDOT Inspector. If the work is in violation of the requirements of this specification, RIDOT will issue a stop work order to be in effect immediately and until the violation is resolved. Standby time and expenses required to resolve the violation shall be at the Contractor's expense.

The Contractor shall coordinate contaminated soil excavation with RIDOT. The Contractor shall provide notification to RIDOT 72-hours in advance of all contaminated soil excavation work. RIDOT shall be responsible for collecting and analyzing confirmatory soil samples. The Contractor shall assist RIDOT in obtaining confirmatory soil samples from the excavation as required and as directed by RIDOT. The Contractor shall provide equipment and labor required to collect confirmatory soil samples from contaminated soil excavations.

The Contractor shall notify RIDOT within 24 hours if an unexpected change of conditions related to the presence of petroleum-impacted soil and/or hazardous wastes or material are encountered at the site. The Contractor shall not proceed with work in the areas where an unexpected change of conditions related to the presence of petroleum-impacted soil and/or hazardous wastes or material is encountered until authorized to do so by RIDOT.

During contaminated soil excavation, the Contractor shall minimize odors by methods including the use of odor suppressant shell material where necessary.

The Contractor shall be responsible for obtaining all necessary permits, manifests, and bill of lading documentation in conjunction with contaminated soil and shall provide timely notification of such actions as may be required by applicable federal, state regional, and/or local authorities. Contaminated soil loading, hauling, and disposal shall be completed in accordance with Codes 202.9912 through 202.9917.

Contaminated soil classifications under this Contract shall be as follows:

- Type 1A** Excavated project soil in which levels of total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs – polycyclic aromatic hydrocarbons (PAHs) only), and Priority Pollutant Metals have been found to be below the Rhode Island Department of Environmental Management (RIDEM) Residential Direct Exposure Criteria (R-DEC) through testing prior to being taken off of the project. This soil shall be disposed at an Industrial/Commercial site. The Contractor shall provide documentation to RIDOT that the disposal site is an Industrial/Commercial site as defined in the RIDEM Remediation Regulations.
- Type 1B** Excavated project soil in which levels of TPH, VOCs, SVOCs (PAHs only), and Priority Pollutant Metals are found to be above the RIDEM R-DEC, but within the limits of the Industrial/Commercial Direct Exposure Criteria (I/C-DEC). This soil shall be disposed at an appropriately permitted and/or licensed facility. Concentrations are within disposal parameter limits allowed by the Rhode Island Resource Recovery Corporation for materials disposition at the Central Landfill as landfill cover.
- Type 2** Excavated project soil in which levels of TPH, VOCs, SVOCs (PAHs only), and Priority Pollutant Metals have been observed above the RIDEM I/C-DEC but are within parameters such that the material can be accepted for out-of-state landfill cover or in-state landfiling at the Central Landfill without pretreatment or that are suitable for asphalt batching.
- Type 3** Excavated project soil in which concentrations exceed the EPA hazardous waste characteristics necessitating disposal as a hazardous waste and/or concentrations indicate the presence of contaminants as defined by Toxic Substance Control Act (TSCA).

**METHOD OF MEASUREMENT:** Item 202.9910 “Contaminated Soil Excavation” will be measured for payment by the “Cubic Yard” actually excavated in accordance with the Contract Documents and/or as directed by RIDOT.

**BASIS OF PAYMENT:** Item 202.9910 “Contaminated Soil Excavation” will be paid for at its respective contract unit price per “Cubic Yard” as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools and equipment, and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by RIDOT.

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## **JOB SPECIFIC**

### **CODE 202.9911 HANDLING, HAULING, AND STOCKPILING OF CONTAMINATED SOILS**

**DESCRIPTION:** This item includes the handling and hauling of contaminated soil from the excavation location to the approved stockpile location, and the unloading, and stockpiling of the contaminated soil in the stockpile locations. The attached Appendix B *Petroleum and Hazardous Material Notice* contains information about the potential presence of petroleum and hazardous materials on properties adjoining the work area and the potential of encountering contaminated material in the work area.

The work shall be performed in accordance with all appropriate sections of the Rhode Island Department of Transportation (RIDOT) Standard Specifications for Road and Bridge Construction, 2010 Edition, the RIDOT approved Soil Management Plan (SMP) and in compliance with all applicable permits. In the event that suspected contaminated soil is encountered in the work area, the Contractor shall immediately notify the RIDOT Engineer and obtain all the necessary permits and approval from the Rhode Island Department of Environmental Management (RIDEM) prior to handling, hauling, and stockpiling of the suspected contaminated soil.

Excavation of contaminated soil shall be paid for under Item 202.9910 Contaminated Soil Excavation. Stockpile construction and management shall be paid for under the applicable item; Item 208.9901 Soil Stockpile – Contaminated Soil.

**MATERIALS:** The Contractor shall supply and utilize all required materials to adequately complete contaminated soil handling, hauling and stockpiling. Personal protective equipment shall be as specified in the Contractor's site-specific Health and Safety Plan prepared in accordance with Code 201.9930 Health and Safety Requirements.

The Contractor's employees and Subcontractor's employees who will be potentially exposed to hazardous subsurface soils excavated from project are required to have OSHA 40-hour health and safety training and the 8-hour refresher training, if applicable. The Contractor shall provide training certificates to the RIDOT Engineer for the persons that will be performing the work.

**CONSTRUCTION METHODS:** The Contractor shall supply and utilize all required equipment and material to handle, haul, and stockpile excavated contaminated soil within approved dry and wet contaminated soil stockpile areas. All contaminated soil stockpile locations shall be constructed in accordance with the applicable Code 208.9901 Soil Stockpile – Contaminated Soil. The Contractor shall maintain the stockpile locations as required by the RIDOT Engineer.

The Contractor is required to have the necessary personal protective equipment available as specified in the Contractor's site specific Health and Safety Plan and shall have access to an inventory of personal protection equipment in the event that the level of personal protection equipment needs to be upgraded.

During loading, hauling, and/or stockpiling, the Contractor shall minimize odors by methods including the use of odor suppressant shell material where necessary.

Subject to the approval of the RIDOT Engineer, the Contractor may choose to implement any effective and lawful methods for handling, hauling, and stockpiling contaminated soil encountered in the work area, provided the required handling, hauling, and stockpiling methods are performed in accordance with the Contractor's RIDOT-approved SMP. The Contractor shall assume all responsibility for the adequacy of the methods, materials, documentation, and equipment employed.

The Contractor shall load, haul, and place contaminated soils into the contaminated stockpile locations identified by the Contractor and approved by RIDOT. The Contractor shall comply with the SMP requirements during all contaminated soil management activities.

Contaminated soil excavated from the project shall be loaded, hauled, and stockpiled at a location approved by RIDOT. All contaminated soil stockpiles shall be placed on two (2) sheets of minimum 6 mil polyethylene sheeting and covered with same, and managed in accordance with the applicable Code 208.9901 Soil Stockpile – Contaminated Soil.

**METHOD OF MEASUREMENT:** Item 202.9911 “Handling and Stockpiling Contaminated Soils” will be measured for payment by the “Cubic Yard” actually excavated in accordance with the Contract Documents and/or as directed by the RIDOT.

**BASIS OF PAYMENT:** Item 201.9911 “Handling, Hauling, and Stockpiling of Contaminated Soils” will be paid for at its respective contract unit price per “Cubic Yard” as listed in the Proposal. The price so-stated shall constitute full and complete compensation for all labor, materials, tools, and equipment required for the handling, hauling, and stockpiling of all contaminated soil and all other incidentals required to finish the work, complete as described in these Special Provisions and elsewhere in the Contract Documents and/or as directed by the RIDOT Engineer and accepted by the RIDOT Engineer.

**JOB SPECIFIC**

**CODE 202.9912**  
**LOAD AND HAUL CONTAMINATED SOIL, TYPE 1A**  
**CODE 202.9913**  
**DISPOSAL OF CONTAMINATED SOIL, TYPE 1A**  
**CODE 202.9914**  
**LOAD AND HAUL CONTAMINATED SOIL, TYPE 1B**  
**CODE 202.9915**  
**DISPOSAL OF CONTAMINATED SOIL, TYPE 1B**  
**CODE 202.9916**  
**LOAD AND HAUL CONTAMINATED SOIL, TYPE 2**  
**CODE 202.9917**  
**DISPOSAL OF CONTAMINATED SOIL, TYPE 2**  
**CODE 202.9918**  
**LOAD, HAUL AND DISPOSE OF CONTAMINATED SOIL, TYPE 3**  
**CODE 202.9919**  
**SOIL SAMPLING**

**DESCRIPTION:** This item of work includes soil management, special handling, loading and hauling of contaminated or hazardous soil, and disposal at an off-site Industrial/Commercial property, recycling or disposal facility in accordance with the Rhode Island Department of Environmental Management (RIDEM) regulations for recycling/disposal of these materials and as directed by Rhode Island Department of Transportation (RIDOT). The attached Appendix B *Petroleum and Hazardous Material Notice* contains information about the potential presence of petroleum and hazardous materials on properties adjoining the work area and the potential of encountering contaminated material in the work area.

**HEALTH AND SAFETY PLAN:** The Contractor shall produce and maintain a site-specific Health and Safety Plan (HASP) in compliance with Code 202.9930 Health and Safety Requirements. The site-specific HASP shall be implemented as part of this work. The Contractor's employees and Subcontractor's employees who will be potentially exposed to the contaminated soils in the stockpile location, and while loading, hauling and disposing of contaminated soils, are required to have Occupational Safety and Health Administration (OSHA) 40-hour health and safety training and the 8 hour refresher training, if applicable. The Contractor shall provide training certificates to RIDOT for the persons that will be performing the work.

If visible dust is generated, the level of dermal and respiratory protection shall be determined based upon periodic air monitoring to be performed by the Contractor and the requirements of the Site-specific HASP. RIDOT may conduct duplicate air monitoring for quality assurance purposes. Level D protection shall be the minimum personal protective level for all on-site personnel.

**APPLICABLE LAWS AND REGULATIONS:** The loading, hauling, and disposal of contaminated soil shall be conducted in accordance with the Environmental Protection Agency (EPA) and RIDEM



regulations, the RIDOT approved Soil Management Plan (SMP), and in compliance with all applicable permits.

The Contractor shall ensure that compliance with applicable regulations is maintained during all loading, hauling, and disposal operations. The Contractor shall be required to maintain an operations log during the loading, hauling, and disposal activities to include, but not be limited to, dates of activities, soil management observations, estimated volumes loaded and hauled for offsite recycling/disposal, the recycling/disposal facility the contaminated soil was transported to and paperwork documenting lawful off-site disposition. In addition to the above, the Contractor is responsible for erosion and pollution controls in accordance with local, state and federal regulations as well as what is included in the Contract Documents. The Contractor shall submit a summary report to RIDOT on a daily basis to document the operations associated with loading, hauling, and transportation of contaminated soil.

**SUBMITTALS:** Code 202.9910 Contaminated Soil Excavation requires the Contractor to prepare and submit two copies of a Soil Management Plan (SMP). The SMP submittal includes the Contractor's proposed contaminated soil loading, hauling, and disposal methodologies. A separate SMP submittal for the loading, hauling, and disposal of contaminated soils is not required.

The Contractor shall provide two copies of the OSHA 40-hour health and safety training and the 8-hour refresher training certificates, if applicable, to the RIDOT for the persons that will be directly exposed to the contaminated soil during loading and hauling.

Prior to the commencement of any on-site activities, the Contractor shall submit to RIDOT a list of proposed contaminated soil receiving facilities, along with copies of each facility's license and/or permit. RIDOT approval of the proposed contaminated soil receiving facilities shall be required prior to any contaminated soil leaving the site.

Prior to the commencement of any on-site activities, the Contractor shall submit to RIDOT a list of proposed contaminated soil transporters, along with copies of each transporter's license and permit. RIDOT approval of the proposed transporter shall be required prior to any contaminated soil transportation.

The Contractor will be responsible for preparing the facility acceptance application(s) for disposal of contaminated soil. Copies of the package, including all laboratory reports, will be provided to RIDOT for review and signature as generator.

The Contractor shall provide two copies of the receiving facility approval for the disposal of contaminated soil at the facility to the RIDOT a minimum of three days prior to the loading, hauling, and disposal of contaminated soil at the facility.

The Contractor shall provide two copies of contaminated soil manifest/bill of lading that require RIDOT signature as the waste generator to the RIDOT a minimum of three days prior to the hazardous waste being loaded and transported for off-site reuse/disposal. RIDOT shall sign and return the contaminated soil manifest/bill of lading to the Contractor one day prior to the contaminated soil being transported for reuse/disposal.

The Contractor shall maintain copies of the contaminated soil operational log. The operational log shall be submitted to the RIDOT daily.

**Hauling Slips:** The Contractor shall prepare slips to document the transportation of the soil from the project to the final reuse/disposal site. The slips shall, at a minimum, list the following information: date, truck identification, truck driver's name, approximate quantity of soil hauled, weight, reuse/disposal site location, and the RIDOT's representative's signature. These slips will be prepared in duplicate. The Contractor shall retain one copy, and the second copy will be given to RIDOT at the end of each day in which soil is hauled.

Copies of all Bill of Ladings, manifests, disposal facility weight slips and any other disposal related documents shall be provided to RIDOT within 5 business days of the disposal work being completed.

**EQUIPMENT/MATERIALS:** The Contractor shall supply and utilize all required equipment to adequately complete the contaminated soil excavation. During contaminated soil excavation, erosion and sedimentation control best management practices shall be installed around the excavation and the stockpiles to minimize the effects of erosion and surface run-off. Contaminated soil, if stockpiled, shall be placed on two layers of minimum 6 mil polyethylene sheeting and covered with one layer of same, as described in CODE 208.9901 Soil Stockpile – Contaminated Soil and the RIDOT-approved SMP.

The Contractor is required to have the necessary personal protective equipment available as specified in the Contractor's site specific Health and Safety Plan and shall have access to an inventory of personal protection equipment in the event that the level of personal protection equipment needs to be upgraded.

During excavation or stockpiling, the Contractor shall minimize odors by methods including the use of odor suppressant shell material where necessary.

**CONTAMINATED SOIL LOADING, HAULING, AND DISPOSAL:** The Contractor may choose and implement any effective and lawful method for loading, hauling, and disposing of contaminated soil encountered, excavated and stockpiled in the work area provided they perform the required work subject to the approval of RIDOT. The Contractor shall assume all responsibility for the adequacy of the methods, materials, documentation, and equipment employed.

During loading and hauling of contaminated soil the Contractor shall be required to control dust and sedimentation erosion. Erosion control devices shall be installed as shown on the Plans or as directed by RIDOT.

Free liquids shall not be present in the contaminated soil transported for off-site reuse/disposal. The Contractor shall be responsible for confirming that free liquids are not present in contaminated soils transported for off-site recycling/disposal. The Contractor shall be responsible for all costs related to off-site impact from free liquids present in contaminated soil being transported for off-site reuse/disposal including, but not limited to, regulatory compliance, fines and penalties, and response actions.

While engaged in contamination/hazardous soil loading and hauling the Contractor shall be subject to on-site inspection by the RIDOT Inspector. If the work is in violation of the requirements of this specification, RIDOT will issue a stop work order to be in effect immediately and until the violation is resolved. Standby time and expenses required to resolve the violation shall be at the Contractor's expense.

The Contractor shall be responsible for obtaining all necessary permits, manifests, and bill of lading documentation in conjunction with contaminated/hazardous material loading, hauling and disposal; and shall provide timely notification of such actions as may be required by applicable federal, state regional, and/or local authorities. RIDEM shall be notified within 24 hours if an unexpected change of conditions is encountered related to the presence of hazardous wastes or material encountered at the Project Site.

All contaminated soil shall be disposed of at an off-site recycling or disposal facility in accordance with RIDEM regulations for recycling/disposal of these materials. Profiling for disposal of contaminated material shall be the responsibility of the Contractor. All testing and characterization required by the off-site receiving facility shall be the responsibility of the Contractor to perform at no additional cost to the State. All handling and disposal of these materials shall conform to the applicable RIDEM requirements for handling, storage, transporting, and disposal of contaminated /hazardous waste material. The Contractor shall be responsible for the submittal of material profiling data and any additional data obtained by the Contractor to the receiving facility and to RIDEM prior to the removal and final disposal of contaminated material from the site or the interim stockpile area. Where specifications, requirements, and reference documents vary, the more stringent requirements shall apply.

Stockpiled contaminated soils shall be sampled and analyzed by the Contractor for profiling for disposal. It shall be the Contractor's responsibility to provide all data required by the recycling/disposal facility for disposal facility characterization. Disposal of material shall not be allowed at any facility that currently maintains a listing as a State or Federal waste site.

Contaminated soil classifications under this Contract shall be as follows:

**Type 1A** Excavated project soil in which levels of contaminants including, but not limited to, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and Priority Pollutant Metals have been found to be below the RIDEM Residential Direct Exposure Criteria (R-DEC) through testing prior to being taken off of the project. This soil shall be disposed at an Industrial/Commercial site. The Contractor shall provide documentation that the disposal site is an Industrial/Commercial site as defined in the RIDEM Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases (Remediation Regulations).

**Type 1B** Excavated project soil in which levels of contaminants including, but not limited to TPH, VOCs, SVOCs, and Priority Pollutant Metals are found to be above the RIDEM R-DEC, but within the limits of the Industrial/Commercial Direct Exposure Criteria (I/C-DEC). This soil shall be disposed at an appropriately permitted and/or licensed facility such as the Rhode Island Resource Recovery Corporation Central Landfill for reuse as landfill cover.

**Type 2** Excavated project soil in which levels of TPH, VOCs, SVOCs, and Priority Pollutant Metals have been observed above the RIDEM I/C-DEC but are within parameters such that the material can be accepted without pretreatment at an out-of-state landfill for reuse as cover or in-state landfilling at the Central Landfill or that are suitable for asphalt batching.

**Type 3** Concentrations exceed the EPA hazardous waste characteristics (see Type 3 Soil Criteria attachment) necessitating disposal as a hazardous waste and/or indicate the presence of contaminants as defined by Toxic Substance Control Act (TSCA).

**METHOD OF MEASUREMENT:** Item 202.9912 “Load and Haul Contaminated Soil, Type 1A” and Item 202.9913 “Disposal of Contaminated Soil, Type 1A”, Item 202.9914 “Load and Haul Contaminated Soil, Type 1B” and Item 202.9915 “Disposal of Contaminated Soil, Type 1B”, Item 202.9916 “Load and Haul Contaminated Soil, Type 2” and Item 202.9917 “Disposal of Contaminated Soil, Type 2” will be measured for payment by the “Ton” actually loaded and hauled or disposed in accordance with the Contract Documents and/or as directed by RIDOT. The number of tons will be determined from weight slips generated by the receiving disposal facility or other Contractor provided scale approved by RIDOT.

Item 202.9918 “Load, Haul, and Dispose Contaminated Soil, Type 3” will be calculated for payment by the actual cost, verified by the force account records for facility profiling, loading, transporting, disposing, and invoices from the disposal facility per soil type referenced herein.

Item 202.9919 “Soil Sampling” shall be paid for by the unit “each” for each soil sample tested for all of the parameters required by the disposal facility.

**BASIS OF PAYMENT:** The accepted quantity of item 202.9912 “Load and Haul Contaminated Soil, Type 1A” will be paid for at its respective contract unit price per “Ton” as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, and equipment and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by RIDOT.

The accepted quantity of item 202.9913 “Disposal of Contaminated Soil, Type 1A” will be paid for at its respective contract unit price per “Ton” as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, and equipment and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the RIDOT. The only acceptable bid price for item 202.9913 shall be \$45.00 (forty-five dollars) per ton. If the direct cost of disposing of this material actually paid to the receiving facility, as documented by paid invoices or cancelled checks, is different (higher or lower) than \$45.00/Ton, then the price paid per ton for this item will be adjusted (higher or lower) by that difference in Dollars/Ton.

The accepted quantity of item 202.9914 “Load and Haul Contaminated Soil, Type 1B” will be paid for at its respective contract unit price per “Ton” as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, and equipment and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the RIDOT.

The accepted quantity of item 202.9915 “Disposal of Contaminated Soil, Type 1B” will be paid for at its respective contract unit price per “Ton” as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, and equipment and all other incidentals

required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the RIDOT. The only acceptable bid price for item 202.9906 shall be \$45.00 (forty-five dollars) per ton. If the direct cost of disposing of this material actually paid to the receiving facility, as documented by paid invoices or cancelled checks, is different (higher or lower) than \$45.00/ton, then the price paid per ton for this item will be adjusted (higher or lower) by that difference in Dollars/Ton.

The accepted quantity of item 202.9916 “Load and Haul Contaminated Soil, Type 2” will be paid for at its respective contract unit price per “Ton” as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, and equipment and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the RIDOT.

The accepted quantity of item 202.9917 “Disposal of Contaminated Soil, Type 2” will be paid for at its respective contract unit price per “Ton” as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, and equipment and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the RIDOT. The only acceptable bid price for item 202.9906 shall be \$45.00 (forty-five dollars) per ton. If the direct cost of disposing of this material actually paid to the receiving facility, as documented by paid invoices or cancelled checks, is different (higher or lower) than \$45.00/Ton, then the price paid per ton for this item will be adjusted (higher or lower) by that difference in Dollars/Ton.

The accepted quantity of item 202.9918 “Load, Haul, and Dispose Contaminated Soil, Type 3” will be paid for the actual amount expended to handle, load, transport, and dispose of this type of soil. The price so stated shall constitute full and complete compensation for all labor, materials, tools, and equipment and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the Engineer. The estimated dollar figure for this item of work is established by the Department at 15,000 units at \$1.00 each and is inserted in the proposal as an authorized lump sum amount from which payments will be drawn.

The accepted quantity of item 202.9919 “Soil Sampling” will be paid for at the contract bid price per each for each soil sample tested for all of the parameters required by the disposal facility. The price shall include sampling, testing, lab fees, transportation, reporting, storage, and disposal of the samples and all other incidentals required to complete the work to the satisfaction of the Engineer.

**TYPE 1A SOIL CRITERIA ATTACHMENT**

- a. Estimated quantitation limits
- b. Direct exposure criteria for PCBs consistent with the Toxic Substance Control Act (TSCA)
- c. Background Levels of Priority Pollutant Metals in Rhode Island Soils, T. O' Connor, RIDEM
- d. Direct exposure criteria for Lead consistent with the Rhode Island Department of Health Rules and Regulations for Lead Poisoning Prevention [R23-24.6PB], as amended

Contaminant	R-DEC (mg/kg)	Contaminant	R-DEC (mg/kg)
<b>Volatiles</b>			
Acetone	7,800	Ethylene dibromide	0.01
Benzene	2.5	Isopropyl benzene	27
Bromodichloromethane	10	Methyl ethyl ketone	10,000
Bromoform	81	Methyl isobutyl ketone	1,200
Bromomethane	0.8	Methyl tertiary-butyl ether (MTBE)	390
Carbon tetrachloride	1.5	Methylene chloride	45
Chlorobenzene	210	Styrene	13
Chloroform	1.2	1,1,1,2-Tetrachloroethane	2.2
Dibromochloromethane	7.6	1,1,1,2,2-Tetrachloroethane	1.3
1,2-Dibromo-3-chloropropane (DBCP)	0.5	Tetrachloroethene	12
1,1-Dichloroethane	920	Toluene	190
1,2-Dichloroethane	0.9	1,1,1-Trichloroethane	540
1,1-Dichloroethene	0.2	1,1,2-Trichloroethane	3.6
cis-1,2-Dichloroethene	630	Trichloroethene	13
Trans-1,2-Dichloroethene	1,100	Vinyl chloride	0.002
1,2-Dichloropropane	1.9	Xylenes (Total)	110
Ethylbenzene	71		
<b>Semi-Volatiles</b>			
Acenaphthene	43	Diethyl phthalate	340
Acenaphthylene	23	2,4-Dimethyl phenol	1,400
Anthracene	35	Dimethyl phthalate	1,900
Benzo(a)anthracene	0.9	2,4-Dinitrophenol	160
Benzo(a)pyrene	0.4	2,4-Dinitrotoluene	0.9
Benzo(b)fluoranthene	0.9	Fluoranthene	20
Benzo(g,h,i)perylene	0.8	Fluorene	28
Benzo(k)fluoranthene	0.9	Hexachlorobenzene	0.4
1,1-Biphenyl	0.8	Hexachlorobutadiene	8.2
Bis(2-ethylhexyl)phthalate	46	Hexachloroethane	46
Bis(2-chloroethyl)ether	0.6	Indeno(1,2,3-cd)pyrene	0.9
Bis(2-chloroisopropyl)ether	9.1	2-Methyl naphthalene	123
4-Chloroaniline (p-)	310	Naphthalene	54
2-Chlorophenol	50	Pentachlorophenol	5.3
Chrysene	0.4	Phenanthrene	40
Dibenzo(a,h)anthracene <sup>a</sup>	0.4	Phenol	6,000
1,2-Dichlorobenzene (o-DCB)	510	Pyrene	13
1,3-Dichlorobenzene (m-DCB)	430	1,2,4-Trichlorobenzene	96
1,4-Dichlorobenzene (p-DCB)	27	2,4,5-Trichlorophenol	330
3,3-Dichlorobenzidine	1.4	2,4,6-Trichlorophenol	58
2,4-Dichlorophenol	30		
<b>Pesticides/PCBs</b>			
Chlordane	0.5	Polychlorinated Biphenyls (PCBs) <sup>b</sup>	10
Dieldrin	0.04		
<b>Organics</b>			
Antimony	100	Lead <sup>d</sup>	150
Arsenic <sup>c</sup>	7.0	Manganese	390
Barium	5,500	Mercury	23
Beryllium <sup>c</sup>	1.5	Nickel	1,000
Cadmium	39	Selenium	390
Chromium III (Trivalent)	1,400	Silver	200
Chromium VI (Hexavalent)	390	Thallium	5.5
Copper	3,100	Vanadium	550
Cyanide	200	Zinc	6,000

**TYPE 1B SOIL CRITERIA ATTACHMENT**

- a) Estimated quantitation limits
- b) Direct exposure criteria for PCBs consistent with the Toxic Substance Control Act (TSCA)
- c) Background Levels of Priority Pollutant Metals in Rhode Island Soils, T. O' Connor, RIDEM
- d) Direct exposure criteria for Lead consistent with the Rhode Island Department of Health Rules and Regulations for Lead Poisoning Prevention [R23-24.6PB], as amended

Contaminant	I/C-DEC (mg/kg)	Contaminant	I/C-DEC (mg/kg)
<b>Volatiles</b>			
Acetone	10,000	Ethylene dibromide	0.07
Benzene	200	Isopropyl benzene	10,000
Bromodichloromethane	92	Methyl ethyl ketone	10,000
Bromoform	720	Methyl isobutyl ketone	10,000
Bromomethane	2,900	Methyl tertiary-butyl ether (MTBE)	10,000
Carbon tetrachloride	44	Methylene chloride	760
Chlorobenzene	10,000	Styrene	190
Chloroform	940	1,1,1,2-Tetrachloroethane	220
Dibromochloromethane	68	1,1,1,2,2-Tetrachloroethane	29
1,2-Dibromo-3-chloropropane (DBCP)	4.1	Tetrachloroethene	110
1,1-Dichloroethane	10,000	Toluene	10,000
1,2-Dichloroethane	63	1,1,1-Trichloroethane	10,000
1,1-Dichloroethene	9.5	1,1,2-Trichloroethane	100
cis-1,2-Dichloroethene	10,000	Trichloroethene	520
Trans-1,2-Dichloroethene	10,000	Vinyl chloride	3.0
1,2-Dichloropropane	84	Xylenes (Total)	10,000
Ethylbenzene	10,000		
<b>Semi-Volatiles</b>			
Acenaphthene	10,000	Diethyl phthalate	10,000
Acenaphthylene	10,000	2,4-Dimethyl phenol	10,000
Anthracene	10,000	Dimethyl phthalate	10,000
Benzo(a)anthracene	7.8	2,4-Dinitrophenol	4,100
Benzo(a)pyrene	0.8	2,4-Dinitrotoluene	8.4
Benzo(b)fluoranthene	7.8	Fluoranthene	10,000
Benzo(g,h,i)perylene	10,000	Fluorene	10,000
Benzo(k)fluoranthene	78	Hexachlorobenzene	3.6
1,1-Biphenyl	10,000	Hexachlorobutadiene	73
Bis(2-ethylhexyl)phthalate	410	Hexachloroethane	410
Bis(2-chloroethyl)ether	5.2	Indeno(1,2,3-cd)pyrene	7.8
Bis(2-chloroisopropyl)ether	82	2-Methyl naphthalene	10,000
4-Chloroaniline (p-)	8,200	Naphthalene	10,000
2-Chlorophenol	10,000	Pentachlorophenol	48
Chrysene	780	Phenanthrene	10,000
Dibenzo(a,h)anthracene <sup>a</sup>	0.8	Phenol	10,000
1,2-Dichlorobenzene (o-DCB)	10,000	Pyrene	10,000
1,3-Dichlorobenzene (m-DCB)	10,000	1,2,4-Trichlorobenzene	10,000
1,4-Dichlorobenzene (p-DCB)	240	2,4,5-Trichlorophenol	10,000
3,3-Dichlorobenzidine	13	2,4,6-Trichlorophenol	520
2,4-Dichlorophenol	6,100		
<b>Pesticides/PCBs</b>			
Chlordane	4.4	Polychlorinated Biphenyls (PCBs) <sup>b</sup>	10
Dieldrin	0.4		
<b>Organics</b>			
Antimony	820	Lead <sup>d</sup>	500
Arsenic <sup>c</sup>	7.0	Manganese	10,000
Barium	10,000	Mercury	610
Beryllium <sup>c</sup>	1.5	Nickel	10,000
Cadmium	1,000	Selenium	10,000
Chromium III (Trivalent)	10,000	Silver	10,000
Chromium VI (Hexavalent)	10,000	Thallium	140
Copper	10,000	Vanadium	10,000
Cyanide	10,000	Zinc	10,000

**TYPE 3 SOIL CRITERIA ATTACHMENT**

**MAXIMUM CONCENTRATION OF CONTAMINANTS FOR THE TOXICITY CHARACTERISTIC BY TCLP**

Contaminant	Regulatory Level (mg/L)	Contaminant	Regulatory Level (mg/L)
Arsenic	5.0	Hexachlorobutadien	0.5
Barium	100.0	Haxachloroethane	3.0
Benzene	0.5	Lead	5.0
Cadmium	1.0	Lindane	0.4
Carbon tetrachloride	0.5	Mercury	0.2
Chlordane	0.03	Methoxychlor	10.0
Chlorobenzene	100.0	Methyl ethyl ketone	200.0
Chloroform	6.0	Nitrobenzene	2.0
Chromium	5.0	Pentachlorophenol	100.0
o-Cresol	200.0 <sup>1</sup>	Pyridine	5.0 <sup>2</sup>
m-Cresol	200.0 <sup>1</sup>	Selenium	1.0
p-Cresol	200.0 <sup>1</sup>	Silver	5.0
Cresol	200.0 <sup>1</sup>	Tetrachloroethylene	0.7
2,4-D	10.0	Toxaphene	0.5
1,4-Dichlorobenzene	7.5	Trichloroethylene	0.5
1,2-Dichloroethane	0.5	2,4,5-Trichlorophenol	400.0
1,1-Dichloroethylene	0.7	2,4,6-Trichlorophenol	2.0
2,4-Dinitrotoluene	0.13 <sup>2</sup>	2,4,5-TP (Silvex)	1.0
Endrin	0.02	Vinyl chloride	0.2
Heptachlor (and its epoxide)	0.008		
Hexachlorobenzene	0.13 <sup>2</sup>		

**Analyses**

*Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods, EPA Publication SW-846*, is the source of analytical methods used in the identification and quantification of hazardous wastes for compliance with Subtitle C rules. Outlined below are the SW-846 test methods and corresponding regulatory levels set forth in 40 CFR 261, Subpart C, for characteristic wastes. Analyses are not performed for the identification of the other three categories of wastes.

1. Ignitability:
  - Liquids – a flash point of less than 60° C by test methods including American Society for Testing and Materials (ASTM) Standard D-93-79, D-93-80, or D-3278-78.
  - Non-liquids capable of causing fire at standard temperature and pressure and burn hazardously when ignited.
  - Compressed gas – ignitable by test methods outlined in 49 CFR 173.300.
  - Oxidizers – test methods outlined in 49 CFR 173.151.
2. Corrosivity:
  - Aqueous solutions with a pH value of less than or equal to 2, or greater than or equal to 12.5 by Method 5.2 in SW-846.
  - Liquids that corrode steel by National Association of Corrosion Engineers Standard TM-01-69.
3. Reactivity: a waste exhibiting any one of the eight properties outlined in Section 261.23 (a).
4. Toxicity: extraction procedure by Method 1311 or total sample analysis. Refer to *Table 7 – Maximum Concentration of Contaminants for the Toxicity Characteristic by TCLP* for analytes and respective regulatory levels.



## **JOB SPECIFIC**

### **CODE 202.9930 HEALTH & SAFETY REQUIREMENTS**

**DESCRIPTION:** The Contractor's attention is directed to the fact that the work site has the potential to contain contaminated soil and/or groundwater. The Contractor may potentially encounter contaminated soil and/or groundwater during the course of work, and is required to prepare a site specific Health and Safety Plan certified by a Certified Industrial Hygienist.

During the course of construction, contaminated soils have the potential to be located in the following areas:

- Metacom Avenue at Ocean State Plaza in Warren, RI
  - Full signal replacement, including control cabinet
- Memorial Boulevard at Chapel Street, Newport, RI
  - New pedestrian hybrid beacon signal
  - Install curb extension
- Memorial Boulevard at Edgar Court, Newport, RI
  - Replace existing pedestrian signal with new
  - Install curb extension

In addition, the following locations were identified to have underground storage tanks (USTs) and/or leaking USTs located in the immediate vicinity.

- Location 1 – Elmwood Avenue at Ontario Street in Providence
- Location 2 – West Main Road at Oliphant Lane in Middletown
- Location A – Memorial Boulevard between Bellevue Avenue and Old Beach Road, Newport
- Location D – Memorial Boulevard at Cliff Avenue, Newport
- Location 5 – West Natick Road at Warwick Mall in Warwick

Environmentally impacted properties are identified in the March 2020 *Corridor Land Use Evaluation* (CLUE) prepared by Green International Affiliates, Inc. For additional information and approximate locations, refer to the figures presented in the CLUE Report. Copies of these figures are also provided in Appendix B *Petroleum and Hazardous Material Notice*. The Contractor's employees and Subcontractor's employees who will be potentially directly exposed to soils in these areas are required to have Occupational Safety and Health Administration (OSHA) 40-hour health and safety training and the 8-hour refresher training, if applicable. The Contractor shall provide training certificates to the RIDOT for the persons that will be performing the work. The attached Appendix B *Petroleum and Hazardous Material Notice* contains a detailed summary of properties adjoining the work area.

The Contractor is responsible to monitor working conditions at all times during construction and to provide appropriate protective clothing, equipment and facilities for his personnel, and to establish workplace procedures to ensure their safety, and to enforce the use of these procedures, equipment and facilities in accordance with the following guidelines:

*Safety and Health Regulations Promulgated by the U.S. Department of Labor OSHA, 29 CFR 1910 - Occupational Safety and Health Standards, and 29 CFR 1926 - Safety and Health Regulations for*

*Construction.*

The Contractor shall engage a Certified Industrial Hygienist (CIH). The CIH shall prepare a site-specific Health and Safety Plan (HASP) prepared in accordance with the applicable state and federal regulations for all work on this project. The Contractor shall follow the site specific-HASP requirements and recommendations during all site work.

The Contractor shall implement a Health and Safety protection program. The HASP shall include required personnel protection equipment (PPE) and the Contractor shall provide such required PPE to his personnel. The Contractor shall provide stations allowing workers to wash and to put on and remove protective clothing, and stations for vehicles to be cleaned, if necessary, before leaving the site, air monitoring, and evaluation of areas where unsafe levels of gas have accumulated. The HASP shall include COVID-19 specific provisions for the protection of Site personnel and the public by establishing measures and procedures to be followed in accordance with guidance provided by federal, State, and local agencies. The COVID-19 specific provisions are subject to updates as the situation and guidance associated with COVID-19 changes.

The Contractor shall comply with all federal, state and local safety requirements related to the presence of combustible gases, nausea-inducing gases, and ingestion/inhalation of petroleum compound including, but not limited to, polyaromatic hydrocarbons and volatile organic compounds.

In addition to the above requirements, the Contractor shall comply with the following requirements:

1. All construction equipment on the site shall be equipped with vertical exhaust pipes or a spark proof exhaust.
2. Smoking shall not be permitted in any area where gases can accumulate, or in areas where contaminated soil is presented.
3. Welding or open flames shall not be permitted in enclosed areas where combustible gases are present. It shall be the Contractors responsibility to assess air quality in enclosed areas prior to welding or the use of open flames for the presence of combustible gases.
4. Toxic gas indicators, an organic vapor analyzer, a combustible gas indicator, an oxygen indicator, and fire extinguishers shall be available at all times during operations. Periodic monitoring with portable monitoring devices shall be employed in areas susceptible to gas accumulation. The Contractor shall maintain daily monitoring records that shall be submitted to RIDOT upon request.

If, at any time, RIDOT is apprised of a safety hazard which demands immediate attention because of its high potential for harm to the public travel, persons on or about the work, or public or private property, RIDOT shall have the right to order such safeguards to be erected and such precautions to be taken as necessary and the Contractor shall comply with such orders. If, under such circumstances, the Contractor does not or cannot immediately put the work into proper and approved condition, or if the Contractor or its representative is not upon the site so that the Contractor can be notified immediately of the insufficiency of safety precautions, then RIDOT may put the work into such a condition that shall be, in its opinion, in all respects safe, and the Contractor shall pay all expenses of such labor and materials as may have been used for this purpose by the Contractor or by RIDOT. The

fact that RIDOT does not observe a safety hazard or does not order the Contractor to take remedial measures shall in no way relieve the Contractor of the entire responsibility for any costs, loss or damage by any party sustained on account of the insufficiency of the safety precautions taken by the Contractor or by the Owner acting under authority of this Section.

The Contractor is alerted to the fact that conditions of high hazard can be present at the site during the performance of the work. It is the responsibility of the Contractor to take appropriate safety precautions to meet whatever conditions of hazard may be present during the performance of the work, whether reasonably foreseeable or not. The safety conditions enumerated within the Specifications are the minimum permissible and RIDOT does not make any representation that the safety standards provided herein will be adequate to meet all eventualities. The Contractor is therefore alerted to the fact that it shall be the Contractor's responsibility to anticipate and provide such additional safety precautions, facilities, personnel and equipment as shall be necessary to protect life and property from whatsoever conditions of hazard are present or may be present.

The Contractor shall supply and erect highly visible safety fencing a minimum of three feet in height around all construction areas that pose a threat to safety and shall post proper signage as required by local, state and federal requirements. The Contractor shall erect safety fencing as documented on the Contract Drawings or as directed by RIDOT and shall maintain such fencing and signage until such a time that the potential safety hazard has been rectified. Upon final completion of construction, all safety fencing shall be removed off-site by the Contractor. The Contractor shall enforce safety fencing requirements of OSHA.

During operations, whenever unsafe levels of toxic gases are detected, all work will cease in the area until acceptable levels are reached.

**MATERIALS:** Not applicable.

**CONSTRUCTION METHODS:** The Contractor shall comply with all applicable local, state, and federal regulations applicable to all work included in the project.

**SHOP DRAWINGS:** The Contractor shall submit two copies of the site-specific health and safety plan (HASP) used for work on this project to RIDOT for record use only.

The Contractor shall submit evidence of initial 40-hour OSHA health and safety training and the 8-hour refresher training, if applicable, for each employee that will be directly exposed while engaged in excavation, stockpiling, and other contaminated soil management related activities.

**METHOD OF MEASUREMENT:** This item will not be measured for payment.

**BASIS OF PAYMENT:** No separate payment will be made for this item. Costs for this item are incidental to the required work.

## **JOB SPECIFIC**

### **CODE 208.9901 SOIL STOCKPILE – CONTAMINATED SOIL**

**DESCRIPTION:** This item shall consist of constructing, maintaining, securing, and removing the contaminated soil stockpile. The stockpile shall be located within the project limits at a location approved by Rhode Island Department of Transportation (RIDOT). The location of the stockpile shall not obstruct through vehicular and pedestrian traffic. The stockpile shall be maintained for the duration of excavating, stockpiling, and disposing of contaminated soils.

**MATERIALS:** All materials used, including but not limited to, hay bales, compost filter socks, and concrete barrier, shall conform to the standard specifications for the applicable items.

**Top and Bottom Liner:** Contaminated soil stockpiles shall be placed on two layers of polyethylene sheeting with a minimum thickness of 6 mil. All excess material shall be staged on and covered with polyethylene sheeting with a minimum thickness of 6 mil at the end of the workday and while not in active use. Polyethylene sheeting shall be secured with sandbags.

Polyethylene sheeting shall be strong, durable, impermeable and flexible with a minimum thickness of 6 mil or other Engineer-approved material meeting the established criteria in ASTM D 4397-91.

**SEDIMENTATION CONTROLS:** The Contractor shall install sedimentation controls around the perimeter of all stockpiles to prevent the potential migration of disturbed soils. At a minimum, these controls shall consist of the installation of Filtrexx Soxx or RIDOT-approved equivalent. The Filtrexx Soxx shall be 12-inches in diameter and made of compost with no manure, biosolids, kiln-dried wood or construction debris allowed. Particle size analysis: 98% shall pass through a 3-inch (75 mm) sieve; 30-50% shall pass 3/8 inches (10 mm) sieve. Filtrexx Soxx shall be a knitted mesh with 1/8" - 3/8" (3-10 mm) openings, and made of biodegradable (cotton or jute) materials

Filtrexx Soxx shall be installed at a maximum of 10 feet on center. Stakes shall be 24-inches long and embedded a minimum of 9 inches. Stakes should be driven through the center of the Filtrexx Soxx, with a maximum of 3 inches of the stake exposed above the Filtrexx Soxx.

**SUBMITTALS:** The Contractor shall submit a shop drawing for the contaminated soil stockpile construction demonstrating that it is compliant with specification.

**CONSTRUCTION METHODS:** The Contractor shall determine the size of the stockpile based on the anticipated excavation operations. The maximum stockpile area shall be 750 square feet. Prior to constructing the stockpile, the Contractor shall submit a plan to RIDOT for approval showing the location, size and limits of the proposed stockpile. The Contractor shall submit a soil stockpile construction detail to RIDOT for approval. The Contractor shall construct the soil stockpile in accordance with the RIDOT approved detail and only at the location approved by the RIDOT. Alternate locations for stockpiles shall be submitted to RIDOT for approval before any such stockpile shall be utilized. The stockpile shall be complete and ready to accept excavated soils prior to initiating any excavation operations.

The actual dimensions of the stockpile shall be determined by the Contractor. The soil stockpile shall be large enough to contain the amount of excavated soils anticipated at any one period and still provide ample operating room for turning the excavated material to facilitate drying if required, loading, and unloading within the confines of the stockpile.

The material shall be thoroughly dried and turned over as necessary to facilitate the drying process. The stockpile shall be constructed in a manner that allows the contractor to collect any water that drains from the stockpile.

Water collected in the contaminated soil stockpile areas shall be collected and characterized for disposal by the Contractor. The Contractor shall provide copies of the disposal characterization laboratory analytical data to RIDOT prior to off-site disposal. The Contractor shall be responsible for the transportation and off-site disposal of the collected water at a disposal facility approved by the RIDOT. RIDOT will review disposal applications and forms, and sign as generator.

The Contractor shall inspect the soil stockpile daily and perform all work required to maintain the soil stockpile. The top liner shall be replaced when it is ripped. Stockpiled contaminated soils shall be covered and the cover secured at the end of each workday. The Contractor shall maintain an inventory of stockpile maintenance items including but not limited to 6-mil polyethylene sheeting, weights to secure the contaminated soil stockpile covers, Filtrexx Soxx, or other erosion control devices required to contain the contaminated soil, and any other items required for the stockpile maintenance.

Upon completion of excavation operations, and after all excavated soils are removed from the stockpile location the Contractor shall restore the site to the final condition in accordance with the Plans. All materials used to construct the contaminated soil stockpile, including but not limited to polyethylene sheeting, geotextiles, Filtrexx Soxx, and concrete barrier, shall remain the property of the Contractor and shall be disposed of legally.

Contractor shall be responsible for inspecting and maintaining all stockpiles at no additional cost to RIDOT.

**METHOD OF MEASUREMENT:** Item 208.9901 Soil Stockpile – Contaminated Soil will be measured for payment by the “Square Foot” of Soil Stockpile actually installed in accordance with the Contract Documents and/or as directed by RIDOT.

**BASIS OF PAYMENT:** The accepted quantities of Item 208.9901 Soil Stockpile – Contaminated Soil will be paid for at its respective contract unit price per “Square Foot” as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, equipment, and disposal, and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by RIDOT.

The maximum area for Item 208.9901 Soil Stockpile – Contaminated Soil, shall be 750 square feet. The Contractor shall not be reimbursed for a stockpile area greater than 750 square feet.

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FAP Nos: STPG-HSIP(076)

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### Distribution of Quantities

Project Name - HSIP - Crosswalk & Signal Improvements 2020

Estimate Name - Addendum 1

R.I. Contract No. - 2020-CT-030

FAP Nos: STPG-HSIP(076)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
063	T15.0100	Cont.				
		502+38 LT R10-15R		6.25	0004	01
		502+86 LT R1-1, R10-15L		12.50	0004	01
		502+94 LT R10-6aL		6.00	0004	01
		502+94 LT R10-6aR		6.00	0004	01
		MEMORIAL BLVD AT CLIFF AVE				
		MEMORIAL AVE EASTBOUND LT		9.00	0004	01
		R1-5				
		MEMORIAL AVE WESTBOUND LT		9.00	0004	01
		R1-5				
		MEMORIAL AVE WESTBOUND R1-5		9.00	0004	01
		MEMORIAL BLVD EASTBOUND RT		9.00	0004	01
		R1-5				
		MEMORIAL BLVD AT EDGAR CT				
		507+10 RT R10-6aL		6.00	0004	01
		507+10 RT R10-6aR		6.00	0004	01
		507+50 LT R10-15R		6.25	0004	01
		507+59 LT R10-23		5.00	0004	01
		507+59 RT R10-23		5.00	0004	01
		508+14 LT R10-6aL		6.00	0004	01
		508+14 LT R10-6aR		6.00	0004	01
		MEMORIAL BLVD AT OCEAN STATE				
		PLAZA				
		103+13 RT		1.50	0004	01
		MEMORIAL BLVD AT OLD BEACH RD				
		MEMORIAL BLVD WB R1-5L		9.00	0004	01
		MEMORIAL BLVD WB R1-5R		9.00	0004	01
		WEST NATICK ROAD				
		117+29 RT R6-1, R5-1		9.25	0004	01
<b>Item T15.0100 Total:</b>				<b>157.75</b>		
064	T15.0200	REMOVE AND RELOCATE DIRECTIONAL	EACH			
		REGULATORY AND WARNING SIGN				
		MEMORIAL BLVD AT OLD BEACH RD				

**Distribution of Quantities**

Project Name - HSIP - Crosswalk &amp; Signal Improvements 2020

Estimate Name - Addendum 1

R.I. Contract No. - 2020-CT-030

FAP Nos: STPG-HSIP(076)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
074	T20.4506 Cont.	WEST NATICK ROAD				
		116+94 RT - 117+00 RT		5.00	0004	01
				<b>Item T20.4506 Total:</b>		<b>55.00</b>
075	T20.4508	<b>REMOVE PAVEMENT MARKING LINE - GREATER THAN 6 INCHES WIDE</b>	<b>LF</b>			
		MEMORIAL AVE AT CHAPEL ST				
		200+13 LT - 200+37 LT		72.00	0004	01
		200+40		33.00	0004	01
		200+40 - 200+72		66.00	0004	01
		200+73		35.00	0004	01
		200+74 LT - 201+2 LT		88.00	0004	01
		MEMORIAL BLVD AT EDGAR CT				
		300+13 - 300+36		64.00	0004	01
		300+76 - 300+98		64.00	0004	01
		METACOM AVENUE				
		102+21		22.00	0004	01
		102+32		140.00	0004	01
		102+57 - 103+8		180.00	0004	01
		103+16		160.00	0004	01
		WEST NATICK ROAD				
		107+00		24.00	0004	01
				<b>Item T20.4508 Total:</b>		<b>948.00</b>
076	T20.4515	<b>REMOVE PAVEMENT MARKING SYMBOL - YIELD LINE TRIANGLE (ALL SIZES)</b>	<b>EACH</b>			
		MEMORIAL BLVD AT CHAPEL ST				
		200+17 LT - 200+36 LT		7.00	0004	01
		200+82 RT - 201+00 RT		7.00	0004	01
				<b>Item T20.4515 Total:</b>		<b>14.00</b>
077	202.9910	CONTAMINATED SOIL EXCAVATION	CY			



**Distribution of Quantities**

Project Name - HSIP - Crosswalk &amp; Signal Improvements 2020

Estimate Name - Addendum 1

R.I. Contract No. - 2020-CT-030

FAP Nos: STPG-HSIP(076)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
077	202.9910	Cont. PROJECT WIDE		300.00	0004	01
				<b>Item 202.9910 Total:</b>	<b>300.00</b>	
078	202.9911	HANDLING, HAULING, AND STOCKPILING OF CONTAMINATED SOILS PROJECT WIDE	CY			
				PROJECT WIDE	300.00	0004 01
				<b>Item 202.9911 Total:</b>	<b>300.00</b>	
079	202.9912	LOAD AND HAUL CONTAMINATED SOIL, TYPE 1A PROJECT WIDE	TON			
				PROJECT WIDE	10.00	0004 01
				<b>Item 202.9912 Total:</b>	<b>10.00</b>	
080	202.9913	DISPOSAL OF CONTAMINATED SOIL, TYPE 1A PROJECT WIDE	TON			
				PROJECT WIDE	10.00	0004 01
				<b>Item 202.9913 Total:</b>	<b>10.00</b>	
081	202.9914	LOAD AND HAUL CONTAMINATED SOIL, TYPE 1B PROJECT WIDE	TON			
				PROJECT WIDE	10.00	0004 01
				<b>Item 202.9914 Total:</b>	<b>10.00</b>	
082	202.9915	DISPOSAL OF CONTAMINATED SOIL, TYPE 1B PROJECT WIDE	TON			
				PROJECT WIDE	10.00	0004 01
				<b>Item 202.9915 Total:</b>	<b>10.00</b>	

### Distribution of Quantities

Project Name - HSIP - Crosswalk & Signal Improvements 2020

Estimate Name - Addendum 1

R.I. Contract No. - 2020-CT-030

FAP Nos: STPG-HSIP(076)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
083	202.9916	LOAD AND HAUL CONTAMINATED SOIL, TYPE 2	TON			
		PROJECT WIDE				
		PROJECT WIDE		280.00	0004	01
Item 202.9916 Total:				280.00		
084	202.9917	DISPOSAL OF CONTAMINATED SOIL, TYPE 2	TON			
		PROJECT WIDE				
		PROJECT WIDE		280.00	0004	01
Item 202.9917 Total:				280.00		
085	202.9918	LOAD, HAUL AND DISPOSE OF CONTAMINATED SOIL, TYPE 3	EACH			
		PROJECT WIDE				
		PROJECT WIDE		2,000.00	0004	01
Item 202.9918 Total:				2,000.00		
086	202.9919	SOIL SAMPLING	EACH			
		PROJECT WIDE				
		PROJECT WIDE		2.00	0004	01
Item 202.9919 Total:				2.00		
087	208.9901	SOIL STOCKPILE - CONTAMINATED SOIL	SF			
		PROJECT WIDE				
		PROJECT WIDE		750.00	0004	01
Item 208.9901 Total:				750.00		
088	T13.9901	TRAFFIC SIGNAL LOOPS AT I-95 EB RAMP EXIT 2A (OLD EXIT 6) WARREN AVENUE, SLOCUM STREET EAST PROVIDENCE	LS			
		EAST PROVIDENCE				

### Distribution of Quantities

Project Name - HSIP - Crosswalk & Signal Improvements 2020

Estimate Name - Addendum 1

R.I. Contract No. - 2020-CT-030

FAP Nos: STPG-HSIP(076)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
088	T13.9901 Cont.	I-95 EB RAMP EXIT 2A (OLD EXIT 6) WARREN AVENUE, SLOCUM STREET		1.00	0004	01
<b>Item T13.9901 Total:</b>				<b>1.00</b>		
089	T13.9902	TRAFFIC SIGNAL LOOPS AT I-95 WB RAMP EXIT 2 (OLD EXIT 6) BROADWAY, FREEBORNE STREET EAST PROVIDENCE  EAST PROVIDENCE  I-95 WB RAMP EXIT 2 (OLD EXIT 6)	LS	1.00	0004	01
<b>Item T13.9902 Total:</b>				<b>1.00</b>		

"General Decision Number: RI20200001 06/05/2020

Superseded General Decision Number: RI20190001

State: Rhode Island

Construction Types: Building, Heavy (Heavy and Marine) and Highway

Counties: Rhode Island Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories) HEAVY, HIGHWAY AND MARINE CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020
2	02/21/2020
3	03/06/2020
4	03/13/2020
5	05/01/2020
6	05/22/2020
7	06/05/2020

ASBE0006-006 12/01/2019

Rates Fringes

HAZARDOUS MATERIAL HANDLER (Includes preparation, wetting, stripping, removal scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from

mechanical systems).....\$ 36.60 22.40

ASBE0006-008 09/01/2019

Rates Fringes

Asbestos Worker/Insulator
Includes application of
all insulating materials,
protective coverings,
coatings & finishes to all
types of mechanical systems.\$ 43.60 29.90

BOIL0029-001 01/01/2017

Rates Fringes

BOILERMAKER.....\$ 42.42 24.92

\* BRRIO003-001 06/01/2020

Rates Fringes

Bricklayer, Stonemason,
Pointer, Caulker & Cleaner.....\$ 42.55 28.02

BRRIO003-002 03/01/2020

Rates Fringes

Marble Setter, Terrazzo
Worker & Tile Setter.....\$ 40.78 28.92

BRRIO003-003 03/01/2020

Rates Fringes

Marble, Tile & Terrazzo
Finisher.....\$ 34.10 27.88

CARP0330-001 09/01/2019

Rates Fringes

CARPENTER (Includes Soft
Floor Layer).....\$ 38.48 28.60
Diver Tender.....\$ 36.28 27.15
DIVER.....\$ 49.28 28.50
Piledriver.....\$ 37.13 28.45
WELDER.....\$ 39.48 28.60

FOOTNOTES:

When not diving or tending the diver, the diver and diver
tender shall receive the piledriver rate. Diver tenders
shall receive \$1.00 per hour above the pile driver rate
when tending the diver.

Work on free-standing stacks, concrete silos & public utility
electrical power houses, which are over 35 ft. in height
when constructed: \$.50 per hour additional.

Work on exterior concrete shear wall gang forms, 45 ft. or
more above ground elevation or on setback: \$.50 per hour
additional.



The designated piledriver, known as the ""monkey"": \$1.00 per hour additional.

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CARP1121-002 01/06/2020

	Rates	Fringes
MILLWRIGHT.....	\$ 39.07	29.15

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\* ELEC0099-002 06/01/2020

	Rates	Fringes
ELECTRICIAN.....	\$ 41.61	57.24%
Teledata System Installer.....	\$ 31.21	13.10%+14.93

FOOTNOTES:

Work of a hazardous nature, or where the work height is 30 ft. or more from the floor, except when working OSHA-approved lifts: 20% per hour additional.

Work in tunnels below ground level in combined sewer outfall: 20% per hour additional.

-----  
ELEV0039-001 01/01/2020

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 53.25	34.765+a+b

FOOTNOTES:

A. PAID HOLIDAYS: New Years Day; Memorial Day; Independence Day; Labor Day; Veterans' Day; Thanksgiving Day; the Friday after Thanksgiving Day; and Christmas Day.

B. Employer contributes 8% basic hourly rate for 5 years or more of service of 6% basic hourly rate for 6 months to 5 years of service as vacation pay credit.

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\* ENGI0057-001 06/01/2020

	Rates	Fringes
Operating Engineer: (power plants, sewer treatment plants, pumping stations, tunnels, caissons, piers, docks, bridges, wind turbines, subterranean & other marine and heavy construction work)		
GROUP 1.....	\$ 42.55	26.95+a
GROUP 2.....	\$ 40.55	26.95+a
GROUP 3.....	\$ 36.17	26.95+a
GROUP 4.....	\$ 33.32	26.95+a
GROUP 5.....	\$ 39.60	26.95+a
GROUP 6.....	\$ 30.40	26.95+a
GROUP 7.....	\$ 24.40	26.95+a
GROUP 8.....	\$ 36.25	26.95+a

GROUP 9.....\$ 40.17

26.95+a

a. BOOM LENGTHS, INCLUDING JIBS:

- 150 feet and over + \$ 2.00
- 180 feet and over + \$ 3.00
- 210 feet and over + \$ 4.00
- 240 feet and over + \$ 5.00
- 270 feet and over + \$ 7.00
- 300 feet and over + \$ 8.00
- 350 feet and over + \$ 9.00
- 400 feet and over + \$10.00

a. PAID HOLIDAYS:

New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

a. FOOTNOTES:

Hazmat work: \$2.00 per hour additional.  
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, lighters, boom trucks and derricks

GROUP 2: Digging machine, Ross Carrier, locomotive, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, graders, front end loader (3 yds. and over), vibratory hammer & vacuum truck, roadheaders, forklifts, econobile type equipment, tunnel boring machines, concrete pump and on site concrete plants.

GROUP 3: Oilers on cranes.

GROUP 4: Oiler on crawler backhoe.

GROUP 5: Bulldozer, bobcats, skid steer loader, tractor, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile-powered sweeper (3-yd. capacity), 8-ft. sweeper minimum 65 HP).

GROUP 6: Well-point installation crew.

GROUP 7: Utility Engineers and Signal Persons

GROUP 8: Heater, concrete mixer, stone crusher, welding machine, generator and light plant, gas and electric driven pump and air compressor.

GROUP 9: Boat & tug operator.

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ENGI0057-002 05/01/2020

Rates                      Fringes

Power Equipment Operator  
(highway construction projects; water and sewerline projects which are incidental to highway construction

projects; and bridge projects that do not span water)

GROUP 1.....	\$ 35.70	26.95+a
GROUP 2.....	\$ 30.40	26.95+a
GROUP 3.....	\$ 24.40	26.95+a
GROUP 4.....	\$ 30.98	26.95+a
GROUP 5.....	\$ 34.68	26.95+a
GROUP 6.....	\$ 34.30	26.95+a
GROUP 7.....	\$ 29.95	26.95+a
GROUP 8.....	\$ 31.33	26.95+a
GROUP 9.....	\$ 33.28	26.95+a

a. FOOTNOTE: a. Any employee who works three days in the week in which a holiday falls shall be paid for the holiday.

a. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Digging machine, crane, piledriver, lighter, locomotive, derrick, hoist, boom truck, John Henry's, directional drilling machine, cold planer, reclaimer, paver, spreader, grader, front end loader (3 yds. and over), vacuum truck, test boring machine operator, veemere saw, water blaster, hydro-demolition robot, forklift, economobile, Ross Carrier, concrete pump operator and boats

GROUP 2: Well point installation crew

GROUP 3: Utlity engineers and signal persons

GROUP 4: Oiler on cranes

GROUP 5: Combination loader backhoe, front end loader (less than 3 yds.), forklift, bulldozers & scrapers and boats

GROUP 6: Roller,skid steer loaders, street sweeper

GROUP 7: Gas and electric drive heater, concrete mixer, light plant, welding machine, pump & compressor

GROUP 8: Stone crusher

GROUP 9: Mechanic & welder

-----  
\* ENGI0057-003 06/01/2020

BUILDING CONSTRUCTION

	Rates	Fringes
Power Equipment Operator		
GROUP 1.....	\$ 41.82	26.95+a
GROUP 2.....	\$ 39.82	26.95+a
GROUP 3.....	\$ 39.60	26.95+a
GROUP 4.....	\$ 35.60	26.95+a
GROUP 5.....	\$ 32.75	26.95+a
GROUP 6.....	\$ 38.90	26.95+a
GROUP 7.....	\$ 38.47	26.95+a
GROUP 8.....	\$ 35.79	26.95+a

a. BOOM LENTHS, INCLUDING JIBS:

- 150 ft. and over: + \$ 2.00
- 180 ft. and over: + \$ 3.00
- 210 ft. and over: + \$ 4.00
- 240 ft. and over: + \$ 5.00
- 270 ft. and over: + \$ 7.00
- 300 ft. and over: + \$ 8.00
- 350 ft. and over: + \$ 9.00
- 400 ft. and over: + \$10.00

a. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

- a. FOOTNOTE: Hazmat work: \$2.00 per hour additional.  
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, lighters, boom trucks and derricks.

GROUP 2: Digging machine, Ross carrier, locomotive, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, front end loader (3 yds. and over), vibratory hammer and vacuum truck

GROUP 3: Telehandler equipment, forklift, concrete pump & on-site concrete plant

GROUP 4: Fireman & oiler on cranes

GROUP 5: Oiler on crawler backhoe

GROUP 6: Bulldozer, skid steer loaders, bobcats, tractor, grader, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile powered sweeper (3 yds. capacity), 8-ft. sweeper (minimum 65 hp)

GROUP 7: Well point installation crew

GROUP 8: Heater, concrete mixer, stone crusher, welding machine, generator for light plant, gas and electric driven pump & air compressor

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IRON0037-001 09/16/2019

	Rates	Fringes
IRONWORKER.....	\$ 36.27	28.98

-----  
LABO0271-001 06/02/2019

BUILDING CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 31.80	25.05
GROUP 2.....	\$ 32.05	25.05
GROUP 3.....	\$ 32.55	25.05
GROUP 4.....	\$ 32.80	25.05

GROUP 5.....\$ 33.80 25.05

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone Spreader, Pneumatic Tool Operator, Wagon Drill Operator, Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

LABO0271-002 06/02/2019

HEAVY AND HIGHWAY CONSTRUCTION

Rates Fringes

LABORER

COMPRESSED AIR

Group 1.....\$ 49.23 23.50
Group 2.....\$ 38.75 23.50
Group 3.....\$ 51.23 23.50

FREE AIR

Group 1.....\$ 41.30 23.50
Group 2.....\$ 38.75 23.50
Group 3.....\$ 43.30 23.50

LABORER

Group 1.....\$ 31.80 23.05
Group 2.....\$ 32.05 23.05
Group 3.....\$ 32.80 23.05
Group 4.....\$ 25.30 23.05
Group 5.....\$ 33.80 23.05

OPEN AIR CAISSON, UNDERPINNING WORK AND BORING CREW

Bottom Man.....\$ 37.80 23.05
Top Man & Laborer.....\$ 36.85 23.05

TEST BORING

Driller.....\$ 38.25 23.05
Laborer.....\$ 36.85 23.05

LABORER CLASSIFICATIONS

GROUP 1: Laborer; Carpenter tender; Cement finisher tender; Wrecking laborer; Asbestos removers [non-mechanical systems]; Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping tamper; Chain saw operators; Concrete and power buggy operator; Concrete saw operator; Demolition burner; Fence and guard rail erector; Highway stone spreader; Laser beam operator; Mechanical grinder operator; Mason tender; Mortar

mixer; Pneumatic tool operator; Riprap and dry stonewall builder; Scaffold erector; Setter of metal forms for roadways; Wagon drill operator; Wood chipper operator; Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar powered drills; Brick paver; Block paver; Rammer and curb setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake person, track person, miner, grout person, lock tender, gauge tender, miner: motor person & all others in compressed air

GROUP 2: Change house attendant, powder watchperson, top person on iron

GROUP 3: Hazardous waste work within the ""HOT"" zone

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the ""HOT"" zone

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\* PAIN0011-005 06/01/2020

	Rates	Fringes
PAINTER		
Brush and Roller.....	\$ 35.62	22.55
Epoxy, Tanks, Towers, Swing Stage & Structural Steel.....	\$ 37.62	22.55
Spray, Sand & Water Blasting.....	\$ 38.62	22.55
Taper.....	\$ 36.37	22.55
Wall Coverer.....	\$ 36.12	22.55

-----  
\* PAIN0011-006 06/01/2020

	Rates	Fringes
GLAZIER.....	\$ 39.18	22.55

FOOTNOTES:

SWING STAGE: \$1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

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\* PAIN0011-011 06/01/2020

	Rates	Fringes
Painter (Bridge Work).....	\$ 52.25	22.55

-----  
PAIN0035-008 06/01/2011

	Rates	Fringes
Sign Painter.....	\$ 24.79	13.72

-----  
PLAS0040-001 06/03/2019

BUILDING CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 36.00	27.15

FOOTNOTE: Cement Mason: Work on free swinging scaffolds under 3 planks width and which is 20 or more feet above ground and any offset structure: \$.30 per hour additional.

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PLAS0040-002 07/01/2019

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 32.85	22.20

-----  
PLAS0040-003 07/01/2019

	Rates	Fringes
PLASTERER.....	\$ 37.55	27.50

-----  
PLUM0051-002 03/02/2020

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 43.69	30.05

-----  
ROOF0033-004 12/01/2019

	Rates	Fringes
ROOFER.....	\$ 37.90	27.25

-----  
SFRI0669-001 01/02/2020

	Rates	Fringes
SPRINKLER FITTER.....	\$ 45.67	24.74

-----  
SHEE0017-002 12/01/2019

	Rates	Fringes
Sheet Metal Worker.....	\$ 37.13	36.38
-----		
TEAM0251-001 05/01/2019		

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 27.96	26.8525+A+B+C
GROUP 2.....	\$ 27.61	26.8525+A+B+C
GROUP 3.....	\$ 27.66	26.8525+A+B+C
GROUP 4.....	\$ 27.71	26.8525+A+B+C
GROUP 5.....	\$ 27.81	26.8525+A+B+C
GROUP 6.....	\$ 28.21	26.8525+A+B+C
GROUP 7.....	\$ 28.41	26.8525+A+B+C
GROUP 8.....	\$ 27.91	26.8525+A+B+C
GROUP 9.....	\$ 28.16	26.8525+A+B+C
GROUP 10.....	\$ 27.96	26.8525+A+B+C

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, plus Presidents' Day, Columbus Day, Veteran's Day & V-J Day, providing the employee has worked at least one day in the calendar week in which the holiday falls.

B. Employee who has been on the payroll for 1 year or more but less than 5 years and has worked 150 Days during the last year of employment shall receive 1 week's paid vacation; 5 to 10 years - 2 weeks' paid vacation; 10 or more years - 3 week's paid vacation.

C. Employees on the seniority list shall be paid a one hundred dollar (\$100.00) bonus for every four hundred (400) hours worked, up to a maximum of five hundred dollars (\$500.00)

All drivers working on a defined hazard material job site shall be paid a premium of \$2.00 per hour over applicable rate.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Pick-up trucks, station wagons, & panel trucks

GROUP 2: Two-axle on low beds

GROUP 3: Two-axle dump truck

GROUP 4: Three-axle dump truck

GROUP 5: Four- and five-axle equipment

GROUP 6: Low-bed or boom trailer.

GROUP 7: Trailers when used on a double hook up (pulling 2 trailers)

GROUP 8: Special earth-moving equipment, under 35 tons

GROUP 9: Special earth-moving equipment, 35 tons or over



## GROUP 10: Tractor trailer

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

## Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

## Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

## Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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## WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"