



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 13, 2014

SUBJECT: FAU Route 0361 (New Avenue)
Project ACHSIP-0361(004)
Section 2011-223-I
Will and Cook Counties
Contract No. 60R86
Item No. 088, January 17, 2014 Letting
Addendum B

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised the Table of Contents to the Special Provisions
2. Revised pages 60-64 of the Special Provisions
3. Added pages 277-288 to the Special Provisions

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John D. Baranzelli, P.E.
Acting Engineer of Design and Environment

A handwritten signature in black ink, appearing to read "Ted B. Walschleger P.E." with a stylized flourish at the end.

By: Ted B. Walschleger, P. E.
Engineer of Project Management

cc: John Fortmann, Region 1, District 1; Tim Kell; Estimates

MS/kf

TABLE OF CONTENTS

LOCATION OF PROJECT 1

DESCRIPTION OF PROJECT 1

MAINTENANCE OF ROADWAYS 2

STATUS OF UTILITIES TO BE ADJUSTED 2

PUBLIC CONVENIENCE AND SAFETY (DIST 1) 3

SELECTIVE CLEARING 3

GRADING AND SHAPING SHOULDERS 4

HMA MIXTURE DESIGN REQUIREMENTS (D-1)..... 4

FINE AGGREGATE FOR HOT- MIX ASPHALT (HMA) (D-1) 10

FRICTION SURFACE AGGREGATE (D1) 10

GROUND TIRE RUBBER (GTR) MODIFIED ASPHALT BINDER (D-1)..... 13

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (D-1) 15

BITUMINOUS PRIME COAT FOR HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) (D-1)..... 26

CLEANING EXISTING DRAINAGE STRUCTURES 26

ADJUSTMENTS AND RECONSTRUCTIONS 27

TRAFFIC CONTROL PLAN 28

TEMPORARY INFORMATION SIGNING 29

45 MIL HOT SPRAY THERMOPLASTIC PAVEMENT MARKING 30

AUTOMATED FLAGGER ASSISTANCE DEVICES (BDE)..... 40

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)..... 41

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE) 44

GRANULAR MATERIALS (BDE) 54

HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE) 55

PAYROLLS AND PAYROLL RECORDS (BDE) 56

PORTLAND CEMENT CONCRETE EQUIPMENT (BDE)..... 59

PROGRESS PAYMENTS (BDE) 59

QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE MIXTURES (BDE) 60

REMOVAL AND DISPOSAL OF SURPLUS MATERIALS (BDE) 64

TRACKING THE USE OF PESTICIDES (BDE)..... 65

WARM MIX ASPHALT (BDE) 66

WEEKLY DBE TRUCKING REPORTS (BDE)..... 70

WORKING DAYS (BDE) 71

BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETURN FORM WITH BID) 71

FUEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 74

STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 78
IEPA FORM 663 82
REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES 277

Revised 1/13/14

The failure to perform any requirement, obligation, or term of the contract by the Contractor shall be reason for withholding any progress payments until the Department determines that compliance has been achieved.”

QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE MIXTURES (BDE)

Effective: January 1, 2012

Revised: January 1, 2014

Revise Note 7/ of Schedule B of Recurring Special Provision Check Sheet #31 of the Standard Specifications to read:

- 7/ The test of record for strength shall be the day indicated in Article 1020.04. For cement aggregate mixture II, a strength requirement is not specified and testing is not required. Additional strength testing to determine early falsework and form removal, early pavement or bridge opening to traffic, or to monitor strengths is at the discretion of the Contractor. Strength shall be defined as the average of two 6 x 12 in. (150 x 300 mm) cylinder breaks, three 4 x 8 in. (100 x 200 mm) cylinder breaks, or two beam breaks for field tests. Per Illinois Modified AASHTO T 23, cylinders shall be 6 x 12 in. (150 x 300 mm) when the nominal maximum size of the coarse aggregate exceeds 1 in. (25 mm).

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Revised 1/13/14

REMOVAL AND DISPOSAL OF SURPLUS MATERIALS (BDE)

Effective: November 2, 2012

Revise the first four paragraphs of Article 202.03 of the Standard Specifications to read:

“202.03 Removal and Disposal of Surplus, Unstable, Unsuitable, and Organic Materials. Suitable excavated materials shall not be wasted without permission of the Engineer. The Contractor shall dispose of all surplus, unstable, unsuitable, and organic materials, in such a manner that public or private property will not be damaged or endangered.

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Revised 1/13/14

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

Revise Article 669.01 of the Standard Specifications to read:

“669.01 Description. This work shall consist of the transportation and proper disposal of contaminated soil and water. This work shall also consist of the removal, transportation, and proper disposal of underground storage tanks (UST), their content and associated underground piping to the point where the piping is above the ground, including determining the content types and estimated quantities.”

Revise Article 669.08 of the Standard Specifications to read:

“669.08 Contaminated Soil and/or Groundwater Monitoring. The Contractor shall hire a qualified environmental firm to monitor the area containing the regulated substances. The affected area shall be monitored with a photoionization detector (PID) utilizing a lamp of 10.6eV or greater or a flame ionization detector (FID). Any field screen reading on the PID or FID in excess of background levels indicates the potential presence of contaminated material requiring handling as a non-special waste, special waste, or hazardous waste. No excavated soils can be taken to a clean construction and demolition debris (CCDD) facility or an uncontaminated soil fill operation with detectable PID or FID meter readings that are above background. The PID or FID meter shall be calibrated on-site and background level readings taken and recorded daily. All testing shall be done by a qualified engineer/technician. Such testing and monitoring shall be included in the work. The Contractor shall identify the exact limits of removal of non-special waste, special waste, or hazardous waste. All limits shall be approved by the Engineer prior to excavation. The Contractor shall take all necessary precautions.

Based upon the land use history of the subject property and/or PID or FID readings indicating contamination, a soil or groundwater sample shall be taken from the same location and submitted to an approved laboratory. Soil or groundwater samples shall be analyzed for the contaminants of concern, including pH, based on the property's land use history or the parameters listed in the maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605. The analytical results shall serve to document the level of soil contamination. Soil and groundwater samples may be required at the discretion of the Engineer to verify the level of soil and groundwater contamination.

Samples shall be grab samples (not combined with other locations). The samples shall be taken with decontaminated or disposable instruments. The samples shall be placed in sealed containers and transported in an insulated container to the laboratory. The container shall maintain a temperature of 39 °F (4 °C). All samples shall be clearly labeled. The labels shall indicate the sample number, date sampled, location and elevation, and any other observations.

The laboratory shall use analytical methods which are able to meet the lowest appropriate practical quantitation limits (PQL) or estimated quantitation limit (EQL) specified in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods", EPA Publication No. SW-846 and "Methods for the Determination of Organic Compounds in Drinking Water", EPA, EMSL, EPA-600/4-88/039. For parameters where the specified cleanup objective is below the acceptable detection limit (ADL), the ADL shall serve as the cleanup objective. For other parameters the ADL shall be equal to or below the specified cleanup objective.”

Replace the first two paragraphs of Article 669.09 of the Standard Specifications with the following:

“669.09 Contaminated Soil and/or Groundwater Management and Disposal. The management and disposal of contaminated soil and/or groundwater shall be according to the following:

- (a) Soil Analytical Results Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels exceed the most stringent maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605, the soil shall be managed as follows:
- (1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC but they are still considered within area background levels by the Engineer, the excavated soil can be utilized within the construction limits as fill, when suitable. Such soil excavated for storm sewers can be placed back into the excavated trench as backfill, when suitable, unless trench backfill is specified. If the soils cannot be utilized within the construction limits, they shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.
 - (2) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for a Metropolitan Statistical Area (MSA) County, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as “uncontaminated soil” at a CCDD facility or an uncontaminated soil fill operation within an MSA County provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
 - (3) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as “uncontaminated soil” at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago or within the Chicago corporate limits provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
 - (4) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as “uncontaminated soil” at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
 - (5) When the Engineer determines soil cannot be managed according to Articles 669.09(a)(1) through (a)(4) above, the soil shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

- (b) Soil Analytical Results Do Not Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels do not exceed the most stringent MAC, the excavated soil can be utilized within the construction limits or managed and disposed of off-site as “uncontaminated soil” according to Article 202.03. However the excavated soil cannot be taken to a CCDD facility or an uncontaminated soil fill operation for the following reason.
- (1) The pH of the soil is less than 6.25 or greater than 9.0.
 - (2) The soil exhibited elevated photoionization detector (PID) utilizing a lamp of 10.6eV or greater or a flame ionization detector (FID) readings.
- (c) Soil Analytical Results Exceed Most Stringent MAC but Do Not Exceed TACO Residential. When the soil analytical results indicate that detected levels exceed the most stringent MAC but do not exceed TACO Tier 1 Soil Remediation Objectives for Residential Properties pursuant to 35 IAC 742 Appendix B Table A, the excavated soil can be utilized within the right-of-way or managed and disposed of off-site as “uncontaminated soil” according to Article 202.03. However the excavated soil cannot be taken to a CCDD facility or an uncontaminated soil fill operation.
- (d) Groundwater. When groundwater analytical results indicate the detected levels are above Appendix B, Table E of 35 Illinois Administrative Code 742, the most stringent Tier 1 Groundwater Remediation Objectives for Groundwater Component of the Groundwater Ingestion Route for Class 1 groundwater, the groundwater shall be managed off-site as a special waste.

All groundwater encountered within lateral trenches may be managed within the trench and allowed to infiltrate back into the ground. If the groundwater cannot be managed within the trench it must be removed as a special or hazardous waste. The Contractor is prohibited from managing groundwater within the trench by discharging it through any existing or new storm sewer. The Contractor shall install backfill plugs within the area of groundwater contamination.

One backfill plug shall be placed down gradient to the area of groundwater contamination. Backfill plugs shall be installed at intervals not to exceed 50 ft (15 m). Backfill plugs are to be 4 ft (1.2 m) long, measured parallel to the trench, full trench width and depth. Backfill plugs shall not have any fine aggregate bedding or backfill, but shall be entirely cohesive soil or any class of concrete. The Contractor shall provide test data that the material has a permeability of less than 10^{-7} cm/sec according to ASTM D 5084, Method A or per another test method approved by the Engineer.”

Revise Article 669.14 of the Standard Specifications to read:

“669.14 Final Environmental Construction Report. At the end of the project, the Contractor will prepare and submit three copies of the Environmental Construction Report on the activities conducted during the life of the project, one copy shall be submitted to the Resident Engineer, one copy shall be submitted to the District's Environmental Studies Unit, and one copy shall be submitted with an electronic copy in Adode.pdf format to the Geologic and Waste Assessment Unit, Bureau of Design and Environment, IDOT, 2300 South Dirksen Parkway, Springfield, Illinois 62764. The technical report shall include all pertinent information regarding the project including, but not limited to:

- (a) Measures taken to identify, monitor, handle, and dispose of soil or groundwater containing regulated substances, to prevent further migration of regulated substances, and to protect workers,
- (b) Cost of identifying, monitoring, handling, and disposing of soil or groundwater containing regulated substances, the cost of preventing further migration of regulated substances, and the cost for worker protection from the regulated substances. All cost should be in the format of the contract pay items listed in the contract plans (identified by the preliminary environmental site assessment (PESA) site number),
- (c) Plan sheets showing the areas containing the regulated substances,
- (d) Field sampling and testing results used to identify the nature and extent of the regulated substances,
- (e) Waste manifests (identified by the preliminary environmental site assessment (PESA) site number) for special or hazardous waste disposal, and
- (f) Landfill tickets (identified by the preliminary environmental site assessment (PESA) site number) for non-special waste disposal.”

Revise the second paragraph of Article 669.16 of the Standard Specifications to read:

“The transportation and disposal of soil and other materials from an excavation determined to be contaminated will be paid for at the contract unit price per cubic yard (cubic meter) for NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, or HAZARDOUS WASTE DISPOSAL.”

Qualifications. The term environmental firm shall mean an environmental firm with at least five (5) documented leaking underground storage tank (LUST) cleanups or that is pre-qualified in hazardous waste by the Department. Documentation includes but not limited to verifying remediation and special waste operations for sites contaminated with gasoline, diesel, or waste oil in accordance with all Federal, State, or local regulatory requirements and shall be provided to the Engineer for approval. The environmental firm selected shall not be a former or current consultant or have any ties with any of the properties contained within and/or adjacent to this construction project.

General. This Special Provision will likely require the Contractor to subcontract for the execution of certain activities.

All contaminated materials shall be managed as either “uncontaminated soil” or non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances. The Environmental Firm shall continuously monitor all soil excavation for worker protection and soil contamination. **Phase I Preliminary Engineering information is available through the District’s Environmental Studies Unit.** Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less.

The Contractor shall manage any excavated soils and sediment within the following areas:

- Station 119+00 to Station 124+50 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Carbazole, Indeno(1,2,3-cd)Pyrene, Arsenic, Lead, and Manganese.
- Station 115+00 to Station 116+25 0 to 30 feet RT (Vacant Land, PESA Site 2518-9, Eastside of the 15000 block of New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Lead.
- Station 116+25 to Station 117+00 0 to 30 feet RT (Style Line Cabinet and Top Company, PESA Site 2518-10, 15349 South New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Lead.
- Station 129+00 to Station 137+50 0 to 30 feet RT (Paramount Plastics, PESA Site 2518-17, 15160 South New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, and Lead.
- Station 142+70 to Station 145+50 0 to 30 feet RT (Wolverine Pipeline Station, PESA Site 2518-19, 14963 South New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 147+50 to Station 149+80 0 to 30 feet RT (Deerfield Construction Group, PESA Site 2518-20, 14927 South New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, and Lead.
- Station 149+80 to Station 150+60 0 to 30 feet RT (Satellite Shelters, Inc., PESA Site 2518-21, 14835 South New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, and Lead.
- Station 137+00 to Station 142+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Indeno(1,2,3-cd)Pyrene.
- Station 196+50 to Station 204+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, and Lead.

- Station 277+00 to Station 279+00 0 to 30 feet RT (Parking Lot, PESA Site 2518-38, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, and Lead.
- Station 301+50 to Station 304+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzene and Benzo(a)Pyrene.
- Station 281+00 to Station 284+50 0 to 30 feet RT (Parking Lot, PESA Site 2518-38, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, Lead, and Manganese.
- Station 306+50 to Station 307+50 0 to 30 feet RT (Tank Farm and Loading Terminals, PESA Site 2518-40, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Indeno(1,2,3-cd)Pyrene.
- Station 316+50 to Station 324+00 0 to 30 feet RT (Tank Farm and Loading Terminals, PESA Site 2518-40, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 327+00 to Station 331+70 0 to 30 feet RT (Tank Farm and Loading Terminals, PESA Site 2518-40, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, Lead, and Manganese.
- Station 339+50 to Station 341+25 0 to 30 feet LT (Vacant Land, PESA Site 2518-42, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, and Lead.
- Station 344+25 to Station 348+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, and Lead.
- Station 339+50 to Station 342+50 0 to 30 feet RT (Warehouse on Wheels, PESA Site 2518-45, 12315-12319 New Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Indeno(1,2,3-cd)Pyrene, and Lead.
- Station 115+00 to Station 119+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead and Manganese.

- Station 117+00 to Station 119+75 0 to 30 feet RT (Style Line Cabinet and Top Company, PESA Site 2518-10, 15349 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Lead.
- Station 119+75 to Station 122+25 0 to 30 feet RT (Commercial Building, PESA Site 2518-11, 15341 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, and Lead.
- Station 122+25 to Station 123+00 0 to 30 feet RT (Woodlands and Vacant Area, PESA Site 2518-11, 15000 blocks of South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Manganese.
- Station 126+75 to Station 129+00 0 to 30 feet RT (Commercial Building, PESA Site 2518-16, 15200 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 137+50 to Station 142+7 0 to 30 feet RT (Hoppy's Landscaping, PESA Site 2518-18, 15041 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 145+50 to Station 147+50 0 to 30 feet RT (Deerfield Construction Group, PESA Site 2518-20, 14927 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, and Manganese.
- Station 150+60 to Station 153+00 0 to 30 feet RT (Satellite Shelters, Inc., PESA Site 2518-21, 14835 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Manganese.
- Station 153+00 to Station 155+40 0 to 30 feet RT (KLP Transport, PESA Site 2518-22, 14825 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Arsenic, and Lead.
- Station 155+40 to Station 162+00 0 to 30 feet RT (Triple G Enterprises, PESA Site 2518-23, 14813 and 14729 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Lead.
- Station 128+00 to Station 137+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Lead.
- Station 142+00 to Station 189+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Arsenic, Lead, and Manganese.

- Station 162+00 to Station 163+20 0 to 30 feet RT (McMahon Transport Group, PESA Site 2518-24, 14715 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Lead and Manganese.
- Station 164+80 to Station 167+75 0 to 30 feet RT (Commercial Building, PESA Site 2518-25, 14631 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Arsenic, and Manganese.
- Station 167+75 to Station 170+70 0 to 30 feet RT (Onyx Special Services, PESA Site 2518-26, 14617 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Lead and Manganese.
- Station 170+70 to Station 172+15 0 to 30 feet RT (Petroleum Pipeline Valve Station, PESA Site 2518-27, 14617 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Lead and Manganese.
- Station 172+15 to Station 175+80 0 to 30 feet RT (Woodlands, PESA Site 2518-28, between 13803 and 14617 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Manganese.
- Station 181+20 to Station 184+40 0 to 30 feet RT (Woodlands, PESA Site 2518-28, between 13803 and 14617 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.
- Station 204+00 to Station 211+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, Arsenic, and Lead.
- Station 215+50 to Station 221+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Arsenic.
- Station 194+00 to Station 220+65 0 to 30 feet RT (Woodlands, PESA Site 2518-28, between 13803 and 14617 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Arsenic, Lead, and Manganese.
- Station 220+65 to Station 223+60 0 to 30 feet RT (Vacant Land, PESA Site 2518-31, 13803 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Lead and Manganese.
- Station 225+00 to Station 226+20 0 to 30 feet RT (Westshore Pipeline Station, PESA Site 2518-32, 13803 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, and Manganese.
- Station 226+20 to Station 232+80 0 to 30 feet RT (Woodlands, PESA Site 2518-33, between 301 and 13803 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, and Manganese.

- Station 239+20 to Station 240+30 0 to 30 feet RT (Vacant Lot, PESA Site 2518-34, 301 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 240+30 to Station 244+00 0 to 30 feet RT (Residences and Vacant Lots, PESA Site 2518-35, 335, 365, and north of 365 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Lead.
- Station 227+00 to Station 244+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 252+35 to Station 254+20 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Dibenzo(a,h)Anthracene.
- Station 258+40 to Station 301+50 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Arsenic, Lead, Manganese, and Aluminum.
- Station 250+00 to Station 271+30 0 to 30 feet RT (Woodlands, PESA Site 2518-37, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, Lead, Manganese, and Aluminum.
- Station 271+30 to Station 277+00 0 to 30 feet RT (Parking Lot, PESA Site 2518-38, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, Manganese, and Aluminum.
- Station 306+50 to Station 309+00 0 to 30 feet LT (Tank Farm and Loading Terminals, PESA Site 2518-41, 12327 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, and Manganese.
- Station 279+00 to Station 281+00 0 to 30 feet RT (Parking Lot, PESA Site 2518-38, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Lead, and Manganese.
- Station 284+50 to Station 291+00 0 to 30 feet RT (Tank Farm, PESA Site 2518-39, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 294+70 to Station 296+50 0 to 30 feet RT (Tank Farm, PESA Site 2518-39, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Pyrene, and Lead.

- Station 297+50 to Station 298+50 0 to 30 feet RT (Tank Farm, PESA Site 2518-39, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene.
- Station 313+00 to Station 314+50 0 to 30 feet LT (Tank Farm and Loading Terminals, PESA Site 2518-41, 12327 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, and Manganese.
- Station 314+50 to Station 325+70 0 to 30 feet LT (Vacant Land, PESA Site 2518-42, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 328+00 to Station 336+00 0 to 30 feet LT (Vacant Land, PESA Site 2518-42, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 307+50 to Station 316+50 0 to 30 feet RT (Tank Farm and Loading Terminals, PESA Site 2518-40, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 324+00 to Station 327+00 0 to 30 feet RT (Tank Farm and Loading Terminals, PESA Site 2518-40, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Lead.
- Station 331+70 to Station 333+50 0 to 30 feet RT (Tank Farm and Loading Terminals, PESA Site 2518-40, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Lead, and Manganese.
- Station 348+00 to Station 360+50 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-45, 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, and Lead.
- Station 342+50 to Station 344+50 0 to 30 feet RT (Warehouse on Wheels, PESA Site 2518-45, 12315-12319 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, and Lead.
- Station 346+25 to Station 348+50 0 to 30 feet RT (Commercial Building, PESA Site 2518-49, 12301 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene, Dibenzo(a,h)Anthracene, Lead, and Manganese.
- Station 348+50 to Station 360+50 0 to 30 feet RT (Residences and Vacant Lot, PESA Site 2518-50, 12239-12263 and 16786 New Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Dibenzo(a,h)Anthracene, Lead, and Manganese.

- Station 163+20 to Station 164+80 0 to 30 feet RT (McMahon Transport Group, PESA Site 2518-24, 14715 South New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene.
- Station 175+80 to Station 181+20 0 to 30 feet RT (Woodlands, PESA Site 2518-28, between 13803 and 14617 South New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene.
- Station 211+00 to Station 215+50 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Dibenzo(a,h)Anthracene.
- Station 223+60 to Station 225+00 0 to 30 feet RT (Westshore Pipeline Station, PESA Site 2518-32, 13803 South New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Dibenzo(a,h)Anthracene.
- Station 221+00 to Station 227+00 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene.
- Station 250+50 to Station 252+35 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Dibenzo(a,h)Anthracene.
- Station 254+20 to Station 258+40 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Arsenic.
- Station 304+00 to Station 306+50 0 to 30 feet LT (Railroad Tracks and ROW, PESA Site 2518-8, Westside of the 400-16000 blocks of New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene.
- Station 291+00 to Station 294+70 0 to 30 feet RT (Tank Farm, PESA Site 2518-39, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Dibenzo(a,h)Anthracene.
- Station 296+50 to Station 297+50 0 to 30 feet RT (Tank Farm, PESA Site 2518-39, north of 415 South New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Dibenzo(a,h)Anthracene.
- Station 304+00 to Station 306+00 0 to 30 feet RT (Tank Farm and Loading Terminals, PESA Site 2518-40, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Dibenzo(a,h)Anthracene.
- Station 309+00 to Station 313+00 0 to 30 feet LT (Tank Farm and Loading Terminals, PESA Site 2518-41, 12327 New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene.

- Station 325+70 to Station 328+00 0 to 30 feet LT (Vacant Land, PESA Site 2518-42, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Dibenzo(a,h)Anthracene.
- Station 341+25 to Station 344+25 0 to 30 feet LT (Vacant Land, PESA Site 2518-42, southwest of 12327 New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene and Benzo(b)Fluoranthene.
- Station 344+25 to Station 346+25 0 to 30 feet RT (Resicom, PESA Site 2518-48, 12305 New Avenue). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Pyrene.
- Station 125+00 to Station 125+70 0 to 30 feet RT (Budget Cement, PESA Site 2518-14, 15000 block of South New Avenue). This material meets the criteria of Article 669.09(a)(4) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, and Dibenzo(a,h)Anthracene.
- Station 125+70 to Station 126+75 0 to 30 feet RT (Commercial Building, PESA Site 2518-16, 15200 South New Avenue). This material meets the criteria of Article 669.09(a)(4) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, and Dibenzo(a,h)Anthracene.