



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 13, 2026

SUBJECT FAP Route 345 (US 20/Lake Street)
Project CMAQ-A124(543)
Section 2021-133-N
Cook County
Contract No. 62P51

Item No. 003, April 24th, 2026, Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

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

1. Revised Schedule of Prices.
2. Revised pages i-iv of the Table of Contents of the Special Provisions.
3. Revised pages 2-6, 121-122, 174-185, and 254.
4. Added pages 278-282 to the Special Provisions.
5. Revised sheets 4, 6-9, 16, 20, 22-23, 26, 26A-C, 42-43, 45, 51-53, 66-67, 71, 73-76, 78, and 80-83-of the Plans.

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

Very truly yours,

A handwritten signature in black ink, appearing to read 'Jack A. Elston'.

Jack A. Elston, P.E.
Bureau Chief, Design and Environment

MTS

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MAINTENANCE OF ROADWAYS (D1)

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

STATUS OF UTILITIES (D-1)

Effective: June 1, 2016

Revised: April 1, 2025

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information regarding their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

Utilities To Be Adjusted. Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances, resolution will be a function of the construction staging. The responsible agency must relocate, or complete new installations as noted below; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

Pre-Stage

STAGE / LOCATION	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	DURATION OF TIME
Sta. 498+41, 47.1' LT	Pedestal	Conflicts with Old Lake St realignment; Relocation required	AT&T	-
Sta. 499+02, 47.4' LT	Pedestal	Conflicts with Old Lake St realignment; Relocation required	AT&T	-
Sta. 505+48, 24.9' RT	Manhole	Conflicts with US 20 resurfacing; Adjustment required	AT&T	-
Sta. 505+48, 35.8' RT	Manhole	Conflicts with swale; Adjustment required	AT&T	-
Sta. 512+66, 28.7' RT	Manhole	Conflicts with US 20 resurfacing; Adjustment required	AT&T	-
Sta. 202+29, 29.1' RT	Pedestal Box	Conflicts with sidewalk; Relocation required	AT&T	-
Sta. 299+15, 23.5' RT	Manhole	Conflicts with Oak Ave resurfacing; Adjustment required	AT&T	90 Working Days

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Sta. 498+42, 53.7' LT	Fire Hydrant	Conflicts with Old Lake St realignment at US 20; Relocation required	Village of Bartlett	-
Sta. 514+59, 63.9' RT	Pole	Conflicts with shared-use path & traffic signals; Removal required	Village of Bartlett	TBD
Sta. 505+69 to Sta. 509+70; LT	Aerial lines	On ComEd poles that require relocation	Comcast	-
Sta. 200+76 to Sta. 202+96; LT	Aerial lines	On ComEd poles that require relocation	Comcast	-
Sta. 200+75, 42.5' LT	Splice Box	Conflicts with shared-use path and traffic signals; Relocation required	Comcast	90 Working Days
Sta. 498+20, 59.1' LT	Utility Pole	Conflicts with shoulder and ditch; Relocation required	ComEd	--
Sta. 505+69, 55.8' LT	Utility Pole	Conflicts with sidewalk; Relocation required	ComEd	-
Sta. 506+51, 49.1' LT	Utility Pole	Conflicts with sidewalk; Relocation required	ComEd	-
Sta. 508+13, 49.8' LT	Utility Pole	Conflicts with sidewalk; Relocation required	ComEd	-
Sta. 509+70, 49.8' LT	Utility Pole	Conflicts with sidewalk; Relocation required	ComEd	-
Sta. 514+59, 63.9' RT	Power feed to pole with luminaire	Removal required	ComEd	-
Sta. 200+76, 33.3' LT	Utility Pole	Conflicts with shared-use path; Relocation required	ComEd	-
Sta. 201+38, 31.0' LT	Utility Pole	Conflicts with shared-use path; Relocation required	ComEd	-
Sta. 202+19, 31.6' LT	Utility Pole	Conflicts with shared-use path; Relocation required	ComEd	-
Sta. 202+96, 36.8' LT	Utility Pole	Conflicts with shared-use path; Relocation required	ComEd	90 Working Days
Sta. 495+40 to Sta. 497+19, LT; Sta. 497+60 to Sta. 498+20, LT; Sta. 502+25 to Sta. 502+85, LT; Sta. 504+40 to Sta. 505+20, LT; Sta. 508+40 to Sta. 509+90, LT; Sta. 513+75 to Sta. 513+97, LT; Sta. 514+29 to Sta. 514+37, LT; Sta. 515+30 to Sta. 515+68, LT;	Fiber Optic	Conflicts with ditch/swale/roadway clearance; Relocation required	Everstream/Midwest Fiber	-
Sta. 490+44, 49.8' LT	Handhole	Conflicts with swale; Relocation required	Everstream/Midwest Fiber	-
Sta. 498+35, 43.2' LT	Handhole	Conflicts with Old Lake St realignment; Relocation required	Everstream/Midwest Fiber	-
Sta. 506+65, 47.3' LT	Handhole	Conflicts with sidewalk; Relocation required	Everstream/Midwest Fiber	-

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Sta. 514+89, 42.2' LT	Handhole	Conflicts with swale; Relocation required	Everstream/Midwest Fiber	60 Working Days
Sta. 497+50, RT	Handhole	Conflicts with shoulder and ditch/swale; Adjustment or relocation required	MCI/Verizon/WOW	-
Sta. 504+50, RT	Handhole	Conflicts with Shared-use path drainage; Adjustment or relocation required	MCI/Verizon/WOW	90 Working Days
Sta. 494+10, RT	Handhole	Conflicts with shoulder; Adjustment or relocation required	Metronet	-
Sta. 500+48, RT	Handhole	Conflicts with ditch; Adjustment or relocation required	Metronet	-
Sta. 514+35, RT	Handhole	Conflicts with shared-use path; Relocation required	Metronet	-
Sta. 515+41, RT	Handhole	Conflicts with sidewalk; Relocation required	Metronet	60 Working Days

The following contact information is what was used during the preparation of the plans as provided by the Agency/Company responsible for resolution of the conflict.

Agency/Company Responsible to Resolve Conflict	Name of contact	Phone	E-mail address
AT&T	Richard Kopec	630-632-3148	RK1983@ATT.COM
Village of Bartlett	Tyler Isham	630-837-0811	tisham@bartlett.il.gov
Comcast	Burman, Nathan	847-489-1116	nathan_burman@comcast.com
ComEd	Umme Kulsoom	847-691-3370	Umme.Kulsoom@comed.com
Everstream/Midwest Fiber	Gino Esposito	262-875-8315	gesposito@midwestfibernet.com
MCI/Verizon/WOW	Kendrick Lomax	773-213-8877	klomax@telecom-eng.com
Metronet	Bill Frank	309-838-4941	Bill.Frank@Metronet.com

Utilities To Be Watched And Protected. The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

STAGE / LOCATION	TYPE	DESCRIPTION	OWNER
Sta. 492+85 to Sta. 503+00, LT; Sta. 493+85 to Sta. 501+74, LT; Sta. 501+81, 48.9' LT; Sta. 501+81, Across US 20; Sta. 502+83, Across US 20; Sta. 503+03, 50.6' LT; Sta. 503+12, 48.5' RT; Sta. 501+81 to Sta. 505+48, RT; Sta. 502+83 to Sta. 505+48, RT; Sta. 504+69 to Sta. 514+02, LT; Sta. 505+42, Across US 20; Sta. 505+48 to Sta. 515+25, RT; Sta. 505+48 to Sta. 515+25, RT; Sta. 514+02 to Sta. 515+92, LT; Sta. 515+25, Across US	Handhole, Pedestal, Telephone cable, fiber and conduit	Adjacent to or in vicinity of proposed work	AT&T

20; Sta. 515+37, Across US 20; Sta. 515+41, Across US 20; Sta. 50+58 to Sta. 51+02, LT; Sta. 200+37 to Sta. 206+36, RT and LT under Bartlett Rd; Sta. 200+59 to Sta. 205+13, LT; Sta. 201+36 to Sta. 202+25, RT; Sta. 205+19, 45.6' LT; Sta. 205+32, Across Bartlett Rd; Sta. 205+43, Across Bartlett Rd; Sta. 205+41 to Sta. 206+85, LT; Sta. 296+41 to Sta. 299+15, RT; Sta. 296+41 to Sta. 299+15, RT; Sta. 296+41 to Sta. 297+28, RT			
Sta. 498+18 to Sta. 503+00, LT; Sta. 511+85 to Sta. 514+17, LT; Sta. 513+94, 43.7' LT; Sta. 200+56 to Sta. 202+68, LT; Sta. 296+41 to Sta. 299+08, LT; Sta. 299+05, 26.0' LT	Watermain, Sanitary Sewer and Manhole, Fire Hydrant and water valve box	Adjacent to or in vicinity of proposed work	Village of Bartlett
Sta. 505+79 to Sta. 506+50, LT; Sta. 507+50 to Sta. 508+12, LT; Sta. 200+35 to 202+95, RT and LT, and across Bartlett Rd; Sta. 297+42, Across Oak Ave	Fiber optic and Cable TV	Adjacent to or in vicinity of proposed work	Comcast
Sta. 493+85, 56.5' LT; Sta. 495+03, 56.2' LT; Sta. 496+73, 56.1' LT; Sta. 500+28, 48.4' LT; Sta. 501+44 to Sta. 510+65, LT; Sta. 501+74, 49.0' LT; Sta. 503+26, 49.2' LT; Sta. 504+68, 49.1' LT; Sta. 511+24, 49.5' LT; Sta. 512+91, 48.4' LT; Sta. 512+92 to Sta. 514+18, LT; Sta. 514+02, 47.2' LT; Sta. 514+44, 77.5' RT; Sta. 201+37, 33.2' RT; Sta. 204+16, 39.1' LT; Sta. 204+19, LT; Sta. 205+13, 44.9' LT; Sta. 205+14, LT; 206+75 to Sta. 206+85, LT; Sta. 296+63 to Sta. 296+96, RT; Sta. 297+36, 28.1' LT; Sta. 298+55, 34.6' LT	Utility Pole, Electric Cable, and Aerial Lines	Adjacent to or in vicinity of proposed work	ComEd
Sta. 490+23 to Sta. 495+40, LT; Sta. 497+19 to Sta. 497+60, LT; Sta. 498+20 to Sta. 502+25, LT; Sta. 502+85 to Sta. 504+40, LT; Sta. 505+20 to Sta. 508+40, LT; Sta. 509+90 to Sta. 513+75, LT; Sta. 513+97 to Sta. 514+29, LT; Sta. 514+37 to Sta. 515+30, LT; Sta. 515+68 to Sta. 518+06, LT;	Fiber Optic and Handhole	Adjacent to or in vicinity of proposed work	Everstream/Midwest Fiber
Sta. 490+23 to Sta. 514+45, RT; Sta. 490+55, RT; Sta. 514+45, RT; Sta. 504+50 to Sta. 514+02, LT; Sta. 514+45 to Sta. 517+35, RT; Sta. 200+76 to Sta. 204+16, LT; Sta. 296+41 to Sta. 299+37, LT; Sta. 296+41 to Sta. 299+37, LT	Aerial and Underground Cable, Handhole	Adjacent to or in vicinity of proposed work	MCI/Verizon/WOW
Sta. 490+23 to Sta. 514+35, RT; Sta. 507+47, RT; Sta. 515+41 to Sta. 517+35, RT; Sta. 296+41 to Sta. 299+24, RT	Fiber Optic, Underground Cable, and Handhole	Adjacent to or in vicinity of proposed work	Metronet
Sta. 500+45 to Sta. 504+61, LT; Sta. 514+36 to Sta. 515+95, LT; Sta.	Gas Main	Adjacent to or in vicinity of proposed work	Nicor

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515+95, Across US 20; Sta. 200+57 to Sta. 205+36, LT; Sta. Sta. 296+41 to Sta. 297+10, RT; Sta. 297+78 to Sta. 299+10, RT			
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The following contact information is what was used during the preparation of the plans as provided by the owner of the facility.

Agency/Company Responsible to Resolve Conflict	Name of contact	Phone	E-mail address
AT&T	Richard Kopec	630-632-3148	RK1983@ATT.COM
Village of Bartlett	Tyler Isham	630-837-0811	tisham@bartlett.il.gov
Comcast	Burman, Nathan	847-489-1116	nathan_burman@comcast.com
ComEd	Umme Kulsoom	847-691-3370	Umme.Kulsoom@comed.com
MCI/Verizon/WOW	Kendrick Lomax	773-213-8877	klomax@telecom-eng.com
Nicor	Karey Johnson	(630) 388-2923	karejohn@southernco.com

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor, and the utility companies when necessary.

The contractor is responsible for contacting JULIE (or DIGGER within the City of Chicago) prior to any excavation work. Please note that IDOT electrical facilities are not part of the one-call locating services, such as JULIE or DIGGER.

If the contract requires the services of an electrical contractor, it is the contractor's responsibility, at their own expense, to locate existing IDOT electrical facilities before commencing work. For contracts that do not require an electrical contractor, the contractor may request one free locate of IDOT electrical facilities by contacting the Department's Electrical Maintenance Contractor. Additional locate requests will be at the contractor's expense.

The Department's Electrical Maintenance Contractor must be notified at least 72 hours in advance of the work by calling 773-287-7600 or emailing dispatch@meade100.com to arrange for the locating of underground electrical facilities.

Please note, the marking of underground facilities does not absolve the contractor of their responsibility to repair or replace any facilities damaged during construction at their expense.

Basis of Payment.

Add the following to the first paragraph of Article 881.04 of the Standard Specifications:

“The price shall include furnishing the equipment described above, all mounting hardware, and installing them in satisfactory operating condition.”

Add the following to Article 881.04 of the Standard Specifications:

“If the work consists of retrofitting an existing polycarbonate pedestrian signal head and pedestrian countdown signal head with light emitting diodes (LEDs), it will be paid for as a PEDESTRIAN SIGNAL HEAD, LED, RETROFIT, of the type specified, and of the particular kind of material, when specified. Price shall be payment in full for furnishing the equipment described above including LED modules, all mounting hardware, and installing them in satisfactory operating condition.”

TRAFFIC SIGNAL BACKPLATE, LOUVERED

Effective: March 1, 2026

882.02TS



Description. This work shall consist of furnishing and installing traffic signal backplates in accordance with Section 882 of the Standard Specifications, except as modified herein.

Materials.

Revise the first paragraph of Article 1078.03 of the Standard Specifications to read:

“The traffic signal backplate shall be made of composite laminated aluminum or ABS plastic (vacuum formed). The composite laminated aluminum shall have a nominal thickness of 0.080 in. (2.0 mm) with a nominal 0.01 in. (0.3 mm) aluminum skin on both sheet sides and shall have a minimum tensile strength of 4,300 psi at 73 ° F (30,000 kPa at 23 ° C). The vacuum formed ABS plastic backplate shall have a nominal thickness of 1/8 in. (3 mm), a nominal 1/2 in. (13 mm) deep back flange on all inside and outside edges, and a minimum tensile strength of 4,300 psi at 73 ° F (30,000 kPa at 23 ° C).”

Revise the first sentence of the second paragraph of Article 1078.03 of the Standard Specifications to read:

“The backplate shall be composed of one or two pieces.”

Revise the third paragraph of Article 1078.03 of the Standard Specifications to read:

“The backplate shall have a retroreflective sheeting. Retroreflective sheeting shall be Type ZZ sheeting according to Article 1091.03 and applied in preferred orientation for the maximum angularity according to the vendor’s recommendations. The retroreflective sheeting shall be installed under a controlled environment by the Manufacturer/Vendor

before shipment to the Contractor. The formed plastic backplate shall be prepared and cleaned, following recommendations of the retroreflective sheeting Manufacturer.”

Revise the fourth paragraph of Article 1078.03 of the Standard Specifications to read:

“The traffic signal backplate shall be louvered to provide openings (louvers) to allow wind to penetrate and reduce wind loading. Retroreflective sheeting shall not interfere with the louvers.”

Basis of Payment. This work shall be paid for at the contract unit price per each for TRAFFIC SIGNAL BACKPLATE, LOUVERED.



DETECTOR LOOP

Effective: May 22, 2002

Revised: March 1, 2024

886.01TS

Procedure.

A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall mark the proposed loop locations and contact the Area Traffic Signal Maintenance and Operations Engineer to inspect and approve the layout. When preformed detector loops are installed, the Contractor shall have them inspected and approved prior to the pouring of the Portland cement concrete surface using the same notification process as above.

Installation.

Revise Article 886.04 of the Standard Specifications to read:

“Loop detectors shall be installed according to the requirements of the “District One Standard Traffic Signal Design Details.” Saw-cuts (homeruns on preformed detector loops) from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw-cut (homerun on preformed detector loops) unless directed otherwise by the Engineer or as shown on the plans.

The detector loop cable insulation shall be labeled with the cable specifications.

Each loop detector lead-in wire shall be labeled in the handhole using a waterproof tag secured to each wire with nylon ties.

Resistance to ground shall be a minimum of 500 mega-ohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries.

DRILLED SHAFTS

Effective: October 5, 2015

Revised: October 27, 2023

Revise Section 516 of the Standard Specifications to read:

~~“SECTION 516. DRILLED SHAFTS~~

~~516.01 — Description.~~ This work shall consist of constructing drilled shaft foundations.

~~516.02 — Materials.~~ Materials shall be according to the following.

Item	Article/Section
(a) Portland Cement Concrete (Note 1)	1020
(b) Reinforcement Bars	1006.10
(c) Grout (Note 2)	1024.01
(d) Permanent Steel Casing	1006.05(d)
(e) Slurry (Note 3)	

~~Note 1. When the soil contains sulfate contaminates, ASTM C 1580 testing will be performed to assess the severity of sulfate exposure to the concrete. If the sulfate contaminate is >0.10 to < 0.20 percent by mass, a Type II (MH) cement shall be used. If the sulfate contaminate is >0.20 to < 2.0 percent by mass, a Type V cement shall be used. If the sulfate contaminate is ≥ 2.0 percent by mass, refer to ACI 201.2R for guidance.~~

~~Note 2. The sand-cement grout mix shall be according to Section 1020 and shall be two to five parts sand and one part Type I or II cement. The maximum water cement ratio shall be sufficient to provide a flowable mixture with a typical slump of 10 in. (250 mm).~~

~~Note 3. Slurry shall be bentonite, emulsified polymer, or dry polymer, and shall be approved by the Engineer.~~

~~516.03 — Equipment.~~ Equipment shall be according to the following.

Item	Article/Section
(a) Concrete Equipment	1020.03
(b) Drilling Equipment (Note 1)	
(c) Hand Vibrator	1103.17(a)
(d) Underwater Concrete Placement Equipment	1103.18

~~Note 1. The drilling equipment shall have adequate capacity, including power, torque and down thrust, to create a shaft excavation of the maximum diameter specified to a depth of 20 percent beyond the depths shown on the plans.~~

~~516.04 — Submittals.~~ The following information shall be submitted on form BBS 133.

Revised 4-13-2026

~~(a) Qualifications. At the time of the preconstruction conference, the Contractor shall provide the following documentation:~~

~~(1) References. A list containing at least three projects completed within the three years prior to this project's bid date which the Contractor performing this work has installed drilled shafts of similar diameter, length, and site conditions to those shown in the plans. The list of projects shall contain names and phone numbers of owner's representatives who can verify the Contractor's participation on those projects.~~

~~(2) Experience. Name and experience record of the drilled shaft supervisor, responsible for all facets of the shaft installation, and the drill operator(s) who will be assigned to this project. The supervisor and operator(s) shall each have a minimum of three years experience in the construction of drilled shafts.~~

~~(b) Installation Procedure. A detailed installation procedure shall be submitted to the Engineer for acceptance at least 28 days prior to drilled shaft construction and shall address each of the following items unless otherwise directed by the Engineer in writing:~~

~~(1) Equipment List. List of proposed equipment to be used including cranes, drill rigs, augers, belling tools, casing, vibratory hammers, core barrels, bailing buckets, final cleaning equipment, slurry equipment, tremies, or concrete pumps, etc.~~

~~(2) General Sequence. Details of the overall construction operation sequence, equipment access, and the sequence of individual shaft construction within each substructure bent or footing group. The submittal shall address the Contractor's proposed time delay and/or the minimum concrete strength necessary before initiating a shaft excavation adjacent to a recently installed drilled shaft.~~

~~(3) Shaft Excavation. A site specific step by step description of how the Contractor anticipates the shaft excavation to be advanced based on their evaluation of the subsurface data and conditions expected to be encountered. This sequence shall note the method of casing advancement, anticipated casing lengths, tip elevations and diameters, the excavation tools used and drilled diameters created. The Contractor shall indicate whether wet or dry drilling conditions are expected and if groundwater will be sealed from the excavation.~~

~~(4) Slurry. When the use of slurry is proposed, details on the types of additives to be used and their manufacturers shall be provided. In addition, details covering the measurement and control of the hardness of the mixing water, agitation, circulation, de-sanding, sampling, testing, and chemical properties of the slurry shall be submitted.~~

~~(5) Shaft Cleaning. Method(s) and sequence proposed for the shaft cleaning operation.~~

~~(6) Reinforcement Cage and Permanent Casing. Details of reinforcement placement including rolling spacers to be used and method to maintain proper elevation and location of the reinforcement cage within the shaft excavation during concrete placement. The method(s) of adjusting the reinforcement cage length and permanent casing if rock is encountered at an elevation other than as shown on the plans. As an option, the Contractor may perform soil borings and rock cores at the~~

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~~drilled shaft locations to determine the required reinforcement cage and permanent casing lengths.~~

~~(7) Concrete Placement. Details of concrete placement including proposed operational procedures for free fall, tremie or pumping methods. The sequence and method of casing removal shall also be stated along with the top of pour elevation, and method of forming through water above streambed.~~

~~(8) Mix Design. The proposed concrete mix design(s).~~

~~(9) Disposal Plan. Containment and disposal plan for slurry and displaced water. Containment and disposal plan for contaminated concrete pushed out of the top of the shaft by uncontaminated concrete during concrete placement.~~

~~(10) Access and Site Protection Plan. Details of access to the drilled shafts and safety measures proposed. This shall include a list of casing, scaffolding, work platforms, temporary walkways, railings, and other items needed to provide safe access to the drilled shafts. Provisions to protect open excavations during non-working hours shall be included.~~

~~The Engineer will evaluate the drilled shaft installation procedure and notify the Contractor of acceptance, need for additional information, or concerns with the installation's effect on the existing or proposed structure(s).~~

CONSTRUCTION REQUIREMENTS

~~**516.05 — General.** Excavation for drilled shaft(s) shall not proceed until written authorization is received from the Engineer. The Contractor shall be responsible for verification of the dimensions and alignment of each shaft excavation as directed by the Engineer.~~

~~Unless otherwise approved in the Contractor's installation procedure, no shaft excavation, casing installation, or casing removal with a vibratory hammer shall be made within four shaft diameters center to center of a shaft with concrete that has a compressive strength less than 1500 psi (10,300 kPa). The site-specific soil strengths and installation methods selected will determine the actual required minimum spacing, if any, to address vibration and blow out concerns.~~

~~Lost tools shall not remain in the shaft excavation without the approval of the~~

~~Engineer. Blasting shall not be used as a method of shaft excavation.~~

~~**516.06 — Shaft Excavation Protection Methods.** The construction of drilled shafts may involve the use of one or more of the following methods to support the excavation during the various phases of shaft excavation, cleaning, and concrete placement dependent on the site conditions encountered. Surface water shall not flow uncontrolled into the shaft excavation, however water may be placed into the shaft excavation in order to meet head pressure requirements according to Articles 516.06(c) and 516.13.~~

~~The following are general descriptions indicating the conditions when these methods may be used.~~

~~(a) Dry Method. The dry construction method shall only be used at sites where the groundwater and soil conditions are suitable to permit the drilling and dewatering of the excavation without causing subsidence of adjacent ground, boiling of the base soils, squeezing, or caving of the shaft side walls. The dry method shall consist of drilling the shaft excavation, removing accumulated water, cleaning the shaft base, and placing the reinforcement cage and concrete in a predominately dry excavation.~~

~~Slurry Method. The slurry construction method may be used at sites where dewatering the excavation would cause collapse of the shaft sidewalls or when the volume and head of water flowing into the shaft is likely to contaminate the concrete during placement resulting in a shaft defect. This method uses slurry, or in rare cases water, to maintain stability of the shaft sidewall while advancing the shaft excavation. After the shaft excavation is completed, the slurry level in the shaft shall be kept at an elevation to maintain stability of the shaft sidewall, maintain stability of the shaft base, and prevent additional groundwater from entering the shaft. The shaft base shall be cleaned, the reinforcement cage shall be set, and the concrete shall be discharged at the bottom of the shaft excavation, displacing the slurry upwards.~~

~~(b) Temporary Casing Method. Temporary casing shall be used when either the dry or slurry methods provide inadequate support to prevent sidewall caving or excessive deformation of the shaft excavation. Temporary casing may be used with slurry or be used to reduce the flow of water into the excavation to allow dewatering and concrete placement in a dry shaft excavation. Temporary casing shall not be allowed to remain permanently without the approval of the Engineer.~~

~~During removal of the temporary casing, the level of concrete in the casing shall be maintained at a level such that the head pressure inside the casing is a minimum of 1.25 times the head pressure outside the casing, but in no case is less than 5 ft (1.5 m) above the bottom of the casing. Casing removal shall be at a slow, uniform rate with the pull in line with the shaft axis. Excessive rotation of the casing shall be avoided to limit deformation of the reinforcement cage. In addition, the slump requirements during casing removal shall be according to Article 516.12.~~

~~When called for on the plans, the Contractor shall install a permanent casing as specified. Permanent casing may be used as a shaft excavation support method or may be installed after shaft excavation is completed using one of the above methods. After construction, if voids are present between the permanent casing and the drilled excavation, the voids shall be filled with grout by means of tremie(s) or concrete pump which shall be lowered to the bottom of the excavation. The contractor's means and methods for grout placement shall fill the annular void(s) between the permanent casing and the surrounding earth material to restore and provide lateral earth resistance to the shaft. Grout yield checks shall be performed by the contractor for submittal to the~~

~~Engineer. Permanent casing shall not remain in place beyond the limits shown on the plans without the specific approval of the Engineer.~~

~~When the shaft extends above the streambed through a body of water and permanent casing is not shown, the portion above the streambed shall be formed with removable casings, column forms, or other forming systems as approved by the Engineer. The forming system shall not scar or spall the finished concrete or leave in place any forms or casing within the removable form limits as shown on the plans unless approved as part of the installation procedure. The forming system shall not be removed until the concrete has attained a minimum compressive strength of 2500 psi (17,200 kPa) and cured for a minimum of 72 hours. For shafts extending through water, the concrete shall be protected from water action after placement for a minimum of seven days.~~

~~**516.07 — Slurry.** When slurry is used, the Contractor shall provide a technical representative of the slurry additive manufacturer at the site prior to introduction of the slurry into the first shaft where slurry will be used, and during drilling and completion of a minimum of one shaft to adjust the slurry mix to the specific site conditions. During construction, the level of the slurry shall be maintained a minimum of 5 feet (1.5 m) above the height required to prevent caving of the shaft excavation. In the event of a sudden or significant loss of slurry in the shaft excavation, the construction of that foundation shall be stopped and the shaft excavation backfilled or supported by temporary casing, until a method to stop slurry loss, or an alternate construction procedure, has been approved by the Engineer.~~

~~(a) General Properties. The material used to make the slurry shall not be detrimental to the concrete or surrounding ground. Mineral slurries shall have both a mineral grain size that remains in suspension and sufficient viscosity and gel characteristics to transport excavated material to a suitable screening system. Polymer slurries shall have sufficient viscosity and gel characteristics to transport excavated material to suitable screening systems or settling tanks. The percentage and specific gravity of the material used to make the slurry shall be sufficient to maintain the stability of the excavation and to allow proper concrete placement.~~

~~If approved by the Engineer, the Contractor may use water and excavated soils as drilling slurry. In this case, the range of acceptable values for density, viscosity and pH, as shown in the following table for bentonite slurry shall be met.~~

~~When water is used as the slurry to construct rock sockets in limestone, dolomite, sandstone or other formations that are not erodible, the requirements for slurry testing shall not apply if the entire fluid column is replaced with fresh water after drilling. To do so, fresh water shall be introduced at the top of the shaft excavation and existing water used during drilling shall be pumped out of the shaft excavation from the bottom of the shaft excavation until the entire volume of fluid has been replaced.~~

~~(b) Preparation. Prior to introduction into the shaft excavation, the manufactured slurry admixture shall be pre-mixed thoroughly with clean, fresh water and for adequate time in accordance with the slurry admixture manufacturer's recommendations. Slurry tanks of adequate capacity shall be used for slurry mixing, circulation, storage and treatment. No excavated slurry pits will be allowed in lieu of slurry tanks without approval from the Engineer. Adequate desanding equipment shall be provided to control slurry properties during the drilled shaft excavation in accordance with the values provided in Table 1.~~

~~(c) Quality Control. Quality control tests shall be performed on the slurry to determine density, viscosity, sand content and pH of freshly mixed slurry, recycled slurry and slurry in the shaft excavation. Tests of slurry samples from within two feet of the bottom and at mid-height of the shaft excavation shall be conducted in each shaft excavation during the excavation process to measure the consistency of the slurry. A minimum of four sets of tests shall be conducted during the first eight hours of slurry use on the project. When a series of four test results do not change more than 1% from the initial test, the testing frequency may be decreased to one set every four hours of slurry use. Reports of all tests, signed by an authorized representative of the Contractor, shall be furnished to the Engineer upon completion of each drilled shaft. The physical properties of the slurry shall be as shown in Table 1.~~

~~The slurry shall be sampled and tested less than 1 hour before concrete placement. Any heavily contaminated slurry that has accumulated at the bottom of the shaft shall be removed. The contractor shall perform final shaft bottom cleaning after suspended solids have settled from the slurry. Concrete shall not be placed if the slurry does not have the required physical properties.~~

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Table 1—SLURRY PROPERTIES

	Bentonite	Emulsified Polymer	Dry Polymer	Test Method
Density, lb/cu ft (kg/cu m) (at introduction)	65.2 ± 1.6 ¹ (1043.5 ± 25.6)	63 (1009.0) max.	63 (1009.0) max.	ASTM D 4380
Density, lb/cu ft (kg/cu m) (prior to concrete placement)	67.0 ± 3.5 ¹ (1073.0 ± 56.0)	63 (1009.0) max.	63 (1009.0) max.	ASTM D 4380
Viscosity ² , sec/qt (sec/L)	46 ± 14 (48 ± 14)	38 ± 5 (40 ± 5)	65 ± 15 (69 ± 16)	ASTM D 6910
pH	9.0 ± 1.0	9.5 ± 1.5	9.0 ± 2.0	ASTM D 4972
Sand Content, percent by volume (at introduction)	4 max.	1 max.	1 max.	ASTM D 4381
Sand Content, percent by volume (prior to concrete placement)	10 max.	1 max.	1 max.	ASTM D 4381
Contact Time ³ , hours	4 max.	72 max.	72 max.	

Note 1. When the slurry consists of only water and excavated soils, the density shall not exceed 70 lb/cu ft (1121 kg/cu m).

Note 2. Higher viscosities may be required in loose or gravelly sand deposits. Note 3. Contact time is the time without agitation and sidewall cleaning.

516.08 Obstructions. An obstruction is an unknown isolated object that causes the shaft excavation method to experience a significant decrease in the actual production rate and requires the Contractor to core, break up, push aside, or use other means to mitigate the obstruction. Subsurface conditions such as boulders, cobbles, or logs and buried infrastructure such as footings, piling, or abandoned utilities, when shown on the plans, shall not constitute an obstruction. When an obstruction is encountered, the Contractor shall notify the Engineer immediately and upon concurrence of the Engineer, the Contractor shall mitigate the obstruction with an approved method.

~~**516.09 — Top of Rock.** The top of rock will be considered as the point where rock, defined as bedded deposits and conglomerate deposits exhibiting the physical characteristics and difficulty of rock removal as determined by the Engineer, is encountered which cannot be drilled with augers and/or underreaming tools configured to be effective in the soils indicated in the contract documents.~~

~~**516.10 — Design Modifications.** If the top of rock elevation differs from that shown on the plans by more than 10 percent of the length of the drilled shaft above the rock, the Engineer shall be contacted to determine if any drilled shaft design changes may be required. In addition, if the type of soil or rock encountered is not similar to that shown in the subsurface exploration data, the Contractor may be required to extend the drilled shaft length(s) beyond those specified in the plans. In either case, the Engineer will determine if revisions are necessary and the extent of the modifications required.~~

~~**516.11 — Excavation Cleaning and Inspection.** Materials removed or generated from the shaft excavations shall be disposed of according to Article 202.03.~~

~~After excavation, each shaft shall be cleaned. For a drilled shaft terminating in soil, the depth of sediment or debris shall be a maximum of 1 1/2 in. (38 mm). For a drilled shaft terminating in rock, the depth of sediment or debris shall be a maximum of 1/2 in. (13 mm).~~

~~A shaft excavation shall be overreamed when, in the opinion of the Engineer, the sidewall has softened, swelled, or has a buildup of slurry cake. Overreaming may also be required to correct a shaft excavation which has been drilled out of tolerance. Overreaming may be accomplished with a grooving tool, overreaming bucket, or other approved equipment. Overreaming thickness shall be a minimum of 1/2 in. (13 mm) and a maximum of 3 in. (75 mm).~~

~~**516.12 — Reinforcement.** This work shall be according to Section 508 and the following.~~

~~The shaft excavation shall be cleaned and inspected prior to placing the reinforcement cage. The reinforcement cage shall be completely assembled prior to drilling and be ready for adjustment in length as required by the conditions encountered. The reinforcement cage shall be lifted using multiple point sling straps or other approved methods to avoid reinforcement cage distortion or stress. Cross frame stiffeners may be required for lifting or to keep the reinforcement cage in proper position during lifting and concrete placement.~~



~~The Contractor shall attach rolling spacers to keep the reinforcement cage centered within the shaft excavation during concrete placement and to ensure that at no point will the finished shaft have less than the minimum concrete cover(s) shown on the plans. The rolling spacers or other approved non-corrosive spacing devices shall be installed within 2 ft (0.6 m) of both the top and bottom of the drilled shaft and at intervals not exceeding 10 ft (3 m) throughout the length of the shaft to ensure proper reinforcement cage alignment and clearance for the entire shaft. The number of rolling spacers at each level shall be one for each 1.0 ft (300 mm) of shaft diameter, with a minimum of four rolling spacers at each level. For shafts with different shaft diameters throughout the length of the excavation, different sized rolling spacers shall be provided to ensure the reinforcement cage is properly positioned throughout the entire length of the shaft.~~

~~When a specific concrete cover between the base of the drilled shaft and the reinforcement cage is shown on the plans, the bottom of the reinforcement cage shall be supported so that the proper concrete cover is maintained.~~

~~If the conditions differ such that the length of the shaft is increased, additional longitudinal bars shall be either mechanically spliced or lap spliced to the lower end of the reinforcement cage and confined with either hoop ties or spirals. The Contractor shall have additional reinforcement available or fabricate the reinforcement cages with additional length as necessary to make the required adjustments in a timely manner as dictated by the encountered conditions. The additional reinforcement may be non-epoxy coated.~~

~~**516.13 — Concrete Placement.** Concrete work shall be performed according to the following.~~

~~Throughout concrete placement the head pressure inside the drilled shaft shall be at least
1.1 times the head pressure outside the drilled shaft.~~

~~Concrete placement shall begin within 1 hour of shaft cleaning and inspection. The pour shall be made in a continuous manner from the bottom to the top elevation of the shaft as shown on the contract plan or as approved in the Contractor's installation procedure. Concrete placement shall continue after the shaft excavation is full and until 18 in. (450 mm) of good quality, uncontaminated concrete is expelled at the top of shaft. Vibration of the concrete will not be allowed when the concrete is displacing slurry or water. In dry excavations, the concrete in the top 10 ft (3 m) of the shaft shall be vibrated.~~

~~When using temporary casing or placing concrete under water or slurry, a minimum of seven days prior to concrete placement, a 4 cu yd (3 cu m) trial batch of the concrete mixture shall be performed to evaluate slump retention. Temporary casing shall be withdrawn before the slump of the concrete drops below 6 in. (150 mm). For concrete placed using the slurry method of construction, the slump of all concrete placed shall be a minimum of 6 in. (150 mm) at the end of concrete placement.~~

~~Devices used to place concrete shall have no aluminum parts in contact with concrete.~~

~~When the top of the shaft is at the finished elevation and no further concrete placement above the finished elevation is specified, the top of the shaft shall be level and finished according to Article 503.15(a).~~

~~Concrete shall be placed by free fall, tremie, or concrete pump subject to the following conditions:~~

- ~~(a) Free Fall Placement. Concrete shall only be placed by free fall when the rate of water infiltration into the shaft excavation is less than 12 in. (300 mm) per hour and the depth of water in the shaft excavation is less than 3 in. (75 mm) at the time of concrete placement.~~

~~Concrete placed by free fall shall fall directly to the base without contacting the reinforcement cage, cross frame stiffeners, or shaft sidewall. Drop chutes may be used to direct concrete to the base during free fall placement.~~

~~Drop chutes used to direct placement of free fall concrete shall consist of a smooth tube. Concrete may be placed through either a hopper at the top of the tube or side openings as the drop chute is retrieved during concrete placement. The drop chute shall be supported so that free fall does not exceed 60 ft (18.3 m) for conventional concrete or 30 ft (9.1 m) for self-consolidating concrete. If placement cannot be satisfactorily accomplished by free fall in the opinion of the Engineer, either a tremie or pump shall be used to accomplish the pour.~~

- ~~(b) Tremie and Concrete Pump Placement. Concrete placement shall be according to Article 503.08, except the discharge end of the steel pipe shall remain embedded in the concrete a minimum of 10 ft (3.0 m) throughout concrete placement when displacing slurry or water.~~

~~**516.14 — Construction Tolerances.** The following construction tolerances shall apply to all drilled shafts.~~

- ~~(a) Center of Shaft. The center of the drilled shaft shall be within 3 in. (75 mm) of the plan station and offset at the top of the shaft.~~
- ~~(b) Center of Reinforcement Cage. The center of the reinforcement cage shall be within 1 1/2 in. (40 mm) of plan station and offset at the top of the shaft.~~
- ~~(c) Vertical Plumbness of Shaft. The out of vertical plumbness of the shaft shall not exceed 1.5 percent.~~
- ~~(d) Vertical Plumbness of Reinforcement Cage. The out of vertical plumbness of the shaft reinforcement cage shall not exceed 0.83 percent.~~
- ~~(e) Top of Shaft. The top of the shaft shall be no more than 1 in. (25 mm) above and no more than 3 in. (75 mm) below the plan elevation.~~
- ~~(f) Top of Reinforcement Cage. The top of the reinforcement cage shall be no more than 1 in. (25 mm) above and no more than 3 in. (75 mm) below the plan elevation.~~
- ~~(g) Bottom of shaft. Excavation equipment and methods used to complete the shaft excavation shall have a nearly planar bottom. The cutting edges of excavation equipment used to create the bottom of shafts in rock shall be normal to the vertical axis of the shaft within a tolerance of 6.25 percent.~~

~~**516.15 — Method of Measurement.** This work will be measured for payment in place and the volume computed in cubic yards (cubic meters). The volume will be computed using the plan diameter of the shaft multiplied by the measured length of the shaft. The length of shaft in soil will be computed as the difference in elevation between the top of the drilled shaft shown on the plans, or as installed as part of the Contractor's installation procedure, and the bottom of the shaft or the top of rock (when present) whichever is higher. The length of shaft in rock will be computed as the difference in elevation between the measured top of rock and the bottom of the shaft.~~

~~When permanent casing is specified, it will be measured for payment in place, in feet (meters). Permanent casing installed at the Contractor's option will not be measured for payment.~~

~~Reinforcement furnished and installed will be measured for payment according to Article 508.07.~~

~~516.16 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) for DRILLED SHAFT IN SOIL, and/or DRILLED SHAFT IN ROCK.~~

~~Permanent casing will be paid for at the contract unit price per foot (meter) for PERMANENT CASING.~~

~~Reinforcement furnished and installed will be paid for according to Article 508.08.~~

~~Obstruction mitigation will be paid for according to Article 109.04."~~

AGGREGATE SUBGRADE IMPROVEMENT (BDE)

Effective: April 1, 2012

Revised: April 1, 2022

Add the following Section to the Standard Specifications:

"SECTION 303. AGGREGATE SUBGRADE IMPROVEMENT

303.01 Description. This work shall consist of constructing an aggregate subgrade improvement (ASI).

303.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.07
(b) Reclaimed Asphalt Pavement (RAP)	1031.09

303.03 Equipment. The vibratory roller shall be according to Article 1101.01, or as approved by the Engineer. Vibratory machines, such as tampers, shall be used in areas where rollers do not fit.

303.04 Soil Preparation. The minimum immediate bearing value (IBV) of the soil below the improved subgrade shall be according to the Department's "Subgrade Stability Manual" for the aggregate thickness specified.

Revised 4-13-2026

General Equipment

Revise Article 1101.04 of the Standard Specifications to read:

“1101.04 Pavement Surface Grinding Equipment. The pavement surface grinding device shall have a minimum effective head width of 3 ft (0.9 m).

- (a) Diamond Saw Blade Machine. The machine shall be self-propelled with multiple diamond saw blades.
- (b) Profile Milling Machine. The profile milling machine shall be a drum device with carbide or diamond teeth with spacing of 0.315 in. (8 mm) or less and maintain proper forward speed for surface texture according to the manufacturer’s specifications.”

SURVEYING SERVICES (BDE)

Effective: April 1, 2025

Delete the fourth paragraph of Article 667.04 of the Standard Specifications.

Delete Section 668 of the Standard Specifications.

TEMPORARY CONCRETE BARRIER (BDE)

Effective: January 1, 2026

Add the following to Article 704.02 of the Standard Specifications:

“(f) Type C Reflector1097.02(c)”

~~TRAFFIC SIGNAL BACKPLATE (BDE)~~

~~Effective: August 1, 2025~~

~~Revise the second sentence of the third paragraph of Article 1078.03 of the Standard Specifications to read:~~

~~“Retroreflective sheeting shall be Type AZ or Type ZZ according to Article 1091.03 and applied in the preferred orientation for the maximum angularity according to the manufacturer’s recommendations.”~~



REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (PROJECT SPECIFIC)

Description. This work shall consist of the removal and disposal of regulated substances according to Section 669 of the Standard Specifications as revised below.

Contract Specific Sites. The excavated soil and groundwater within the areas listed below shall be managed as either "uncontaminated soil", hazardous waste, special waste or non-special waste. For stationing, the lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit, whichever is less.

Soil Disposal Analysis. When the waste material requires sampling for landfill disposal acceptance, the Contractor shall secure a written list of the specific analytical parameters and analytical methods required by the landfill. The Contractor shall collect and analyze the required number of samples for the parameters required by the landfill using the appropriate analytical procedures. A copy of the required parameters and analytical methods (from landfill email or on landfill letterhead) shall be provided as Attachment 4A of the BDE 2733 (Regulated Substances Final Construction Report). The price shall include all sampling materials and effort necessary for collection and management of the samples, including transportation of samples from the job site to the laboratory. The Contractor shall be responsible for determining the specific disposal facilities to be utilized; and collect and analyze any samples required for disposal facility acceptance using a NELAP certified analytical laboratory registered with the State of Illinois.

Site 2140A/B-2: Residence and Vacant Land, 1500 block of S. Bartlett Road, Bartlett, Cook County

- Station 490+15 to Station 493+40 (CL US 20), 0 feet to 60 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Benzo(a)pyrene and Arsenic.
- Station 493+40 to Station 499+00 (CL US 20), from 0 feet to 80 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminant of concern sampling parameter: Arsenic, and Manganese

Site 2140A/B-3: Vacant Land, 600 Block of W. Lake Street, Bartlett, Cook County

- Station 490+15 to Station 492+55 (CL US 20), 0 to 90 feet RT. The Engineer has determined that this material meets the criteria of and shall be managed in accordance with Article 669.05(b)(1).
- Station 492+55 to Station 494+90 (CL US 20), from 0 to 90 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminant of concern sampling parameter: Benzo(a)pyrene.

Site 2140A/B-4: Agricultural Land, 500-600 blocks of W. Lake Street, Bartlett, Cook County

- Station 497+15 to Station 499+55 (CL US 20), from 0 to 90 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminant of concern sampling parameter: Iron.
- Station 501+90 to Station 504+50 (CL US 20), 0 feet to 70 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with

Article 669.05(a)(5). Contaminants of concern sampling parameters: Benzo(a)pyrene, Arsenic, and Iron.

- Station 507+60 to Station 508+70 (CL US 20), 0 feet to 60 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic.
- Station 508+70 to Station 509+40 (CL US 20), 0 feet to 60 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminants of concern sampling parameters: Manganese.
- Station 511+45 to Station 512+50 (CL US 20), 0 feet to 70 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic.

Site 2140A/B-5: Encounter Church, 600 W. Lake Street, Bartlett, Cook County

- Station 499+00 to Station 501+70 (CL US 20), from 0 feet to 60 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(2). Contaminant of concern sampling parameter: Arsenic.
- Station 202+25 to Station 202+90 (CL Bartlett Road), from 0 feet to 50 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(b)(1).

Site 2140A/B-6: Vacant Land, 1500 block of S. Bartlett Road, Bartlett, Cook County

- Station 202+90 to Station 205+70 (CL Bartlett Road), from 0 feet to 50 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(2). Contaminant of concern sampling parameter: Arsenic.

Site 2140A/B-7: Vacant Land, 575 W. Lake St, Bartlett, Cook County

- Station 504+00 to Station 505+25 (CL US 20), 0 to 50 feet LT. The Engineer has determined that this material meets the criteria of and shall be managed in accordance with Article 669.05(b)(1).
- Station 200+00 to Station 202+25 (CL Bartlett Road), 0 to 60 feet LT. The Engineer has determined that this material meets the criteria of and shall be managed in accordance with Article 669.05(b)(1).

Site 2140A/B-8: Residential Buildings, 1409-1411 and 1424-1426 Beverly Lane, Bartlett, Cook County

- Station 205+70 to Station 206+40 (CL Bartlett Road), 0 to 50 feet LT. The Engineer has determined that this material meets the criteria of and shall be managed in accordance with Article 669.05(b)(2). Contaminant of concern sampling parameter: Arsenic.

Site 2140A/B-9: Vacant Land, 500 block of W. Lake St, Bartlett, Cook County

- Station 504+50 to Station 507+60 (CL US 20), 0 feet to 50 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic and Iron.

Site 2140A/B-10: Commercial Building, 555 W. Lake Street, Bartlett, Cook County



- Station 505+25 to 506+30 (CL US 20), 0 to 60 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(3). Contaminants of concern sampling parameters: Benzo(a)pyrene.
- Station 200+00 to 202+05 (CL Bartlett Road), 0 to 80 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(3). Contaminants of concern sampling parameters: Benzo(a)pyrene.
- Station 506+30 to Station 507+50 (CL US 20), 0 feet to 70 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic and Iron.

Site 2140A/B-11: Bartlett Lake Apartments, 561-564 Deere Park Circle, Bartlett, Cook County

- Station 507+50 to Station 511+80 (CL US 20), 0 feet to 60 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic, Iron, Manganese, and Thallium.
- Station 511+80 to Station 514+75 (CL US 20), from 0 to 55 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminant of concern sampling parameter: Benzo(a)pyrene and Iron.
- Station 202+05 to Station 202+75 (CL Bartlett Road), 0 feet to 40 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(3). Contaminants of concern sampling parameters: Benzo(a)pyrene.
- Station 202+75 to Station 205+70 (CL Bartlett Road), 0 feet to 40 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). 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.

Site 2140A/B-13: Tom's Farm Stand, 101 E Lake Street, Bartlett, Cook County

- Station 509+40 to Station 510+95 (CL US 20), from 0 to 60 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminant of concern sampling parameter: Manganese.
- Station 510+95 to Station 511+45 (CL US 20), 0 feet to 70 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic.

Site 2140A/B-14: Vacant Land, 100 block of E. Lake Street, Bartlett, Cook County

- Station 512+50 to Station 513+25 (CL US 20), 0 feet to 70 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic.
- Station 513+25 to Station 515+00 (CL US 20), 0 feet to 105 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(3). Contaminants of concern sampling parameters: Benzo(a)pyrene.
- Station 298+65 to Station 299+00 (CL Oak Avenue), 0 feet to 30 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(3). Contaminants of concern sampling parameters: Benzo(a)pyrene.

Site 2140A/B-15: The Oaks, 3151-3157 Medford Court, 3161-3195 Norwood Cour, 4081-4096 Quincy Court, 4101-4106 Rowley Court, Streamwood

- Station 514+75 to Station 516+80 (CL US 20), from 0 to 55 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(3). Contaminant of concern sampling parameter: Benzo(a)pyrene.
- Station 516+80 to Station 519+00 (CL US 20), 0 feet to 55 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminant of concern sampling parameter: Iron.
- Station 519+00 to Station 521+30 (CL US 20), 0 feet to 55 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(b)(1).

Site 2140A/B-16: Commercial Building, 105-111 E. Lake Street, Bartlett, Cook County

- Station 515+00 to Station 516+75 (CL US 20), 0 feet to 95 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic and Manganese.
- Station 298+40 to Station 299+00 (CL Oak Avenue), from 0 to 75 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminant of concern sampling parameters: Arsenic and Manganese.
- Station 516+75 to Station 517+80 (CL US 20), 0 feet to 60 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(3). Contaminants of concern sampling parameters: Arsenic.
- Station 297+30 to Station 298+40 (CL Oak Avenue), from 0 to 75 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminant of concern sampling parameters: Arsenic and Manganese.

Site 2140A/B-17: Oakfield Shopping Center, 125-213 E. Lake Street, Bartlett, Cook County

- Station 517+80 to Station 519+00 (CL US 20), from 0 feet to 60 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(2). Contaminant of concern sampling parameter: Arsenic.
- Station 519+00 to Station 520+40 (CL US 20), 0 feet to 60 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene.
- Station 296+40 to Station 297+30 (CL Oak Avenue), from 0 to 75 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminant of concern sampling parameters: Arsenic and Manganese.

Site 2140A/B-18: Dunkin', 225 E. Lake Street, Bartlett, Cook County

- Station 520+40 to Station 522+20 (CL US 20), 0 feet to 60 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene.

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Site 2140A/B-19: Commercial Buildings, 231 E. Lake Street, Bartlett, Cook County

- Station 522+20 to Station 524+45 (CL US 20), 0 feet to 60 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters: Arsenic, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene.

Due to changes in the preliminary construction plans, excavation is no longer anticipated for this subject property. Therefore, cost to manage soils have not been prepared for this property

Work Zones

Three distinct OSHA HAZWOPER work zones (exclusion, decontamination, and support) shall apply to projects adjacent to or within sites with documented leaking underground storage tank (LUST) incidents, or sites under management in accordance with the requirements of the Site Remediation Program (SRP), Resource Conservation and Recovery Act (RCRA), or Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), or as deemed necessary. For this project, the work zones apply for the following ISGS PESA Sites:

None

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