Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 5, 2010

SUBJECT: FAI Route 290 (I-290/Eisenhower Expressway)
Project: ACIM-290-4 (114) 084
Section: (3031.1, ETC., 3838)RS-5
Cook County
Contract No. 60G52
Item No. 120, January 15, 2010 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. Replaced the Schedule of Prices.
2. Revised page iv of the Table of Contents to the Special Provisions.
3. Added pages 257 - 262 to the Special Provisions.
4. Revised Sheet 1 – 5, 64 & 176 of the Plans.
5. Added sheets 27A, 27B & 251A - 251D to the Plans.

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,

Charles Ingersoll, Chief
Bureau of Design and Environment

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

cc: Diane O'Keefe, Region 1, District 1
Mike Renner
R.E. Anderson
Estimates

TBW:MS:vp

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - 60G52

State Job # - C-91-493-09
PPS NBR - 1-77631-0000
County Name - COOK- -
Code - 31 - -
District - 1 - -
Section Number - (3031.1, ETC., 3838) RS-5

Project Number ACIM-2904/114/084

Route FAI 290

*** REVISED : JANUARY 4, 2010**

	Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
	K0036120	MULCH PLACEMENT 4	SQ YD	4,150.000				
	K1003660	MOWING CYCLES	EACH	2.000				
	XZ186500	ASP EMUL SLURRY SEAL	SQ YD	10,000.000				
*	XX005656	INLET FILTER CLEANING	EACH	738.000				
	X0301424	SILICONE JOINT SEALER	FOOT	886.500				
	X0322256	TEMP INFO SIGNING	SQ FT	2,081.000				
	X0322729	MATL TRANSFER DEVICE	TON	105,640.000				
	X0322856	WEED CONT N SEL/N RES	GALLON	2.000				
	X0322859	WEED CONTR PRE-EM GRN	POUND	200.000				
	X0324685	TEST STRIP SMA	EACH	2.000				
*	X0325095	MAIN DRAIN CLEANING	FOOT	18,005.000				
	X0325201	SHOULDER RUM STRIP RM	SQ YD	362.000				
	X0325222	WEED CONT BASAL TRTMT	GALLON	15.000				
	X0325223	FIBER ASPHALT	POUND	334.000				
*	X0325303	STR REP CON DP OVER 5	SQ FT	258.000				

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* X0325305	STR REP CON DP = < 5	SQ FT	80.000				
X0325702	NIGHT WORK ZONE LIGHT	L SUM	1.000				
X0325739	HMA SHLD REM REPL SPL	SQ YD	25,740.000				
X0325754	REPLCMT RWIS SENSORS	L SUM	1.000				
X0325775	WET RF TEM TAPE T3 4	FOOT	176,098.000				
X0325840	WET RF TEM TAPE T3 12	FOOT	6,841.000				
X0325842	WET RF TEM TAPE T3 LS	SQ FT	109.000				
X0325876	WET RF TEM TAPE T3 8	FOOT	51,323.000				
X0325921	PLANT CARE	SQ YD	6,790.000				
X0326107	WET RF TEM TAPE T3 5	FOOT	44,592.000				
X0326701	WEED CONT BROADLF TRF	POUND	0.800				
X0326765	CLN & PT EXP REBAR SP	SQ FT	10.000				
X0326766	CLEAN RESEAL RLF JNT	FOOT	798.500				
X0326768	CON T HD POLY COILBLE	FOOT	100.000				
X0326769	REM RNST CHLK FNCPOST	EACH	7.000				

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	X0326838	REMOV SIGN PANL T1 SP	SQ FT	142.000				
	X0326839	REMOV SIGN PANL T2 SP	SQ FT	796.000				
	X0326840	REMOV SIGN PANL T3 SP	SQ FT	11,099.000				
	X0326841	REM SIN PAN ASY TB SP	EACH	55.000				
	X0326842	MILE POST MKR ASSY SP	EACH	28.000				
	X0326843	STAIN EX COL CONC SUR	SQ FT	2,000.000				
	X0326844	ROADSIDE DECTECTOR	EACH	24.000				
	X0326845	SERVICE PROVIDER	CAL MO	12.000				
	X0326846	ATMS INTERFACE	L SUM	1.000				
	X0326847	TEMP DET SYS MO MAINT	CAL MO	12.000				
	X0326848	TEMP DET SYS REM SALV	L SUM	1.000				
*	X0326849	CLEAN WET PIT	TON	2,070.000				
*	X0326850	MAIN DRAIN JOINT REP	FOOT	357.000				
	X2010300	TREE REMOV UNDER 6	UNIT	248.000				
	X4066580	POL HMA SC SMA N80	TON	57,738.000				

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	Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
	X4066685	POL HMA BC SMA N80	TON	47,902.000				
	X6700410	ENGR FLD OFF A SPL	CAL MO	10.000				
	X7011015	TR C-PROT EXPRESSWAYS	L SUM	1.000				
	X7013820	TR CONT SURVEIL EXPWY	CAL DA	65.000				
	X8730312	EC C LEAD 18 4C TW SH	FOOT	14,932.000				
	X8850102	INDUCTION LOOP	FOOT	4,086.000				
	Z0001800	APPROACH SL REP (PD)	SQ YD	124.000				
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
	Z0016200	DECK SLAB REP (PART)	SQ YD	82.500				
*	Z0018500	DRAINAGE STR CLEANED	EACH	738.000				
	Z0018600	DRAINAGE STR RECONST	EACH	27.000				
	Z0030250	IMP ATTN TEMP NRD TL3	EACH	18.000				
	Z0030260	IMP ATTN TEMP FRN TL3	EACH	2.000				
	Z0030330	IMP ATTN REL FRD TL3	EACH	2.000				
	Z0030350	IMP ATTN REL NRD TL3	EACH	13.000				

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Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
Z0064800	SELECTIVE CLEARING	UNIT	305.000				
Z0073200	TEMP SHORING & CRIB	EACH	6.000				
Z0076600	TRAINEES	HOUR	1,500.000		0.800		1,200.000
20100110	TREE REMOV 6-15	UNIT	1,530.000				
20100210	TREE REMOV OVER 15	UNIT	96.000				
20101300	TREE PRUN 1-10	EACH	18.000				
20101350	TREE PRUN OVER 10	EACH	23.000				
* 28000510	INLET FILTERS	EACH	738.000				
* DELETED							
40600100	BIT MATLS PR CT	GALLON	560.000				
40600200	BIT MATLS PR CT	TON	470.000				
40600300	AGG PR CT	TON	2,352.000				
40600400	MIX CR JTS FLANGEWYS	TON	882.000				
40600895	CONSTRUC TEST STRIP	EACH	2.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
40600982	HMA SURF REM BUTT JT	SQ YD	5,000.000				
40601005	HMA REPL OVER PATCH	TON	6,291.000				
40603085	HMA BC IL-19.0 N70	TON	18,212.000				
40603240	P HMA BC IL19.0 N90	TON	1,721.000				
40603340	HMA SC "D" N70	TON	12,135.000				
40603595	P HMA SC "F" N90	TON	1,338.000				
* 40800052	INCIDENTL HMA SURF SP	TON	224.000				
42001300	PROTECTIVE COAT	SQ YD	600.000				
44000162	HMA SURF REM 3 1/4	SQ YD	33,011.000				
44000164	HMA SURF REM 3 3/4	SQ YD	182,332.000				
44000165	HMA SURF REM 4	SQ YD	372,681.000				
44000500	COMB CURB GUTTER REM	FOOT	2,812.000				
44001700	COMB C C&G REM & REPL	FOOT	100.000				
44002213	HMA RM OV PATCH 3 1/4	SQ YD	1,320.000				
44002216	HMA RM OV PATCH 4	SQ YD	27,014.000				

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* DELETED							
* 44004260	PAVED SHLD REMOVAL SP	SQ YD	1,000.000				
44200549	CL A PATCH T1 10	SQ YD	300.000				
44200553	CL A PATCH T2 10	SQ YD	300.000				
44201761	CL D PATCH T1 10	SQ YD	167.000				
44201765	CL D PATCH T2 10	SQ YD	8,850.000				
44201769	CL D PATCH T3 10	SQ YD	3,205.000				
44201771	CL D PATCH T4 10	SQ YD	13,490.000				
44213000	PATCH REINFORCEMENT	SQ YD	600.000				
44213200	SAW CUTS	FOOT	294.000				
50102400	CONC REM	CU YD	46.700				
50157300	PROTECTIVE SHIELD	SQ YD	342.000				
50300255	CONC SUP-STR	CU YD	46.700				
50800205	REINF BARS, EPOXY CTD	POUND	6,180.000				
50800515	BAR SPLICERS	EACH	38.000				

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52000110	PREF JT STRIP SEAL	FOOT	328.000				
55039700	SS CLEANED	FOOT	2,136.000				
58700300	CONCRETE SEALER	SQ FT	130,648.000				
60300205	FR & GRATES ADJUST SP	EACH	441.000				
60300310	FR & LIDS ADJUST SPL	EACH	441.000				
60605000	COMB CC&G TB6.24	FOOT	2,812.000				
64200105	SHOULDER RUMBLE STRIP	FOOT	120,577.000				
67100100	MOBILIZATION	L SUM	1.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	40.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	109.000				
70300240	TEMP PVT MK LINE 6	FOOT	38,204.000				
70400100	TEMP CONC BARRIER	FOOT	24,190.000				
70400200	REL TEMP CONC BARRIER	FOOT	17,626.000				
72000105	SIGN PANEL T1 SPL	SQ FT	228.000				
72000205	SIGN PANEL T2 SPL	SQ FT	1,578.000				

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72000305	SIGN PANEL T3 SPL	SQ FT	12,166.000				
72400100	REMOV SIN PAN ASSY TA	EACH	15.000				
72800100	TELES STL SIN SUPPORT	FOOT	558.000				
73000105	WOOD SIN SUPPORT SPL	FOOT	1,098.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	617.000				
78000200	THPL PVT MK LINE 4	FOOT	166,850.000				
78000400	THPL PVT MK LINE 6	FOOT	937.000				
78000500	THPL PVT MK LINE 8	FOOT	47,190.000				
78000600	THPL PVT MK LINE 12	FOOT	15,231.000				
78000650	THPL PVT MK LINE 24	FOOT	123.000				
78004210	PREF PL PM TB INL L4	FOOT	2,048.000				
78004220	PREF PL PM TB INL L5	FOOT	39,841.000				
78005100	EPOXY PVT MK LTR-SYM	SQ FT	1,000.000				
78005110	EPOXY PVT MK LINE 4	FOOT	446,804.000				
78005120	EPOXY PVT MK LINE 5	FOOT	119,608.000				

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78005140	EPOXY PVT MK LINE 8	FOOT	41,679.000				
78008210	POLYUREA PM T1 LN 4	FOOT	17,617.000				
78008220	POLYUREA PM T1 LN 5	FOOT	3,281.000				
78008240	POLYUREA PM T1 LN 8	FOOT	84.000				
78008250	POLYUREA PM T1 LN 12	FOOT	1,226.000				
78100100	RAISED REFL PAVT MKR	EACH	4,278.000				
78100105	RAISED REF PVT MKR BR	EACH	80.000				
78200450	MONODIR GDRL REFL	EACH	300.000				
78200530	BAR WALL MKR TYPE C	EACH	1,935.000				
78300100	PAVT MARKING REMOVAL	SQ FT	30,301.000				
78300200	RAISED REF PVT MK REM	EACH	4,278.000				
81900200	TR & BKFIL F ELECT WK	FOOT	100.000				
84200600	REM LT U NO SALV	EACH	65.000				
85000200	MAIN EX TR SIG INSTAL	EACH	1.000				
88600100	DET LOOP T1	FOOT	170.000				

Revised 1/5/2010

MAIN DRAIN JOINT REPAIR

Description. This work shall consist of repairing designated joints, cracks, lift holes and other defects by sealing from the inside surface of the pipe using materials, application techniques and methods stated in these specifications, as shown in the plans and as directed by the Engineer. The techniques shall include providing a water-tight seal by injecting chemical into the soil surrounding the joint or by forming a flexible gasket within the joint annulus as the joint spacing/gap permits.

Application. The following is a summary of work to be performed:

I. Cleaning and preparation of the pipe defect to be repaired
II. Injection sealing of pipe joint or defect using one of the following:
- Acrylamide gel
- Acrylic gel
- Urethane gel
- Polyurethane Resin (foam)

In addition, these specifications allow the application of an elastomeric polyurethane resin in combination with other materials to create a satisfactory flexible gasket in the joint annulus.

III. Expanding Gasket Placement Techinque (EGP) method of impregnating oil-free jute fiber or open cell backer rod with elastomeric polyurethane.

I. Pipe Joint/Crack Preparation

Each joint/crack designated by the Engineer to be sealed shall be properly prepared to ensure the effectiveness of the work. Preparation shall include the removal of all previous joint sealing materials. Such removal shall be accomplished using chipping hammers, chisels and water pressure cleaning in any combination to achieve satisfactory results. Any remaining sand, silt, etc. which may accumulate on the bottom (invert) of the joint shall be removed prior to chemical sealing.

If voids are suspected in the sands/soil around the pipe joint to be sealed, then it shall be necessary to fill that void with soil cement or other expansive materials prior to injecting chemical grout. If it is impractical to fill the void, then an internal elastomeric polyurethane gasket shall be applied.

II. Injection Sealing (Pipe Joint/Crack)

After the joint/crack has been properly prepared, injection ports will be drilled into the pipe joint area where infiltration is or has been active. After the injection ports have been drilled, a chemical injection device shall be placed into the ports and chemical grout shall in injected into the soil surrounding the pipe joint/crack. Injection ports shall be placed around the joint circumference to create a satisfactory seal. “Open” injection ports provide a visual travel route for the placement of the chemical grout by allowing the injected grout to be seen by the operator as it flows around the circumference of the pipe. Once injection has been completed, the injection device shall be removed and the injection ports shall be cleaned and then filled with rapid setting patching material.

Added 1/5/2010

III. Expanding Gasket Placement Technique (EGP) Joint Crack Seal

When joint openings exceed 1 inch, it shall be necessary to use an elastomeric polyurethane resin in conjunction with filler materials to form a gasket seal. This shall be accomplished by impregnating oil-free jute fiber or open cell backer rod with elastomeric polyurethane resin. This is followed by packing the combined materials between the opening in the joint bell and spigot or the crack in the following manner:

1. Cut the oil-free jute fiber or open cell backer rod in various sizes to meet the dimension requirements of the open joint or crack.
2. Place the oil-free jute fiber or open cell backer rod in a heavy-duty plastic bag or pail.
3. Pour the elastomeric polyurethane resin into the plastic container covering the oil-free jute fiber or open cell backer rod. Allow sufficient time for the oil-free jute fiber or open cell backer rod to be thoroughly saturated with the resin.
4. Wet the surfaces of the joint/crack with water using a hand-spray operation.
5. Place the pre-saturated oil-free jute fiber or open cell backer rod in the joint/crack then lightly tamped into place using wooden dowels, putty knives or other suitable tools.
6. Apply water using a hand sprayer during the tamping process.
7. Apply additional layers of saturated oil-free jute fiber or open cell backer rod in the same fashion as described above until the joint/crack opening is adequately filled. Note: DO NOT apply layers of the saturated oil-free fiber or open cell backer rod in excess of one inch from the interior joint surface.
8. Once the new gasket has been put into place, the entire joint/crack surface shall be finished using a rapid setting patching material. The patching material shall be hand-applied and finished with a trowel to existing surface configurations. When completed, the joint/crack surface shall be smooth and flush with adjacent surfaces.

Materials. The contractor shall submit for review and approval of the Engineer material specifications for each of the following items:

Acrylamide-Base Chemical Sealant

Formed by the bringing together of three primary chemical constituents:

1. Acrylamide
2. Triethanolamine/CAT-T
3. Ammonium Persulfate

Gel times shall be controlled from ten seconds to as long as one hour by adjusting the percentage of catalysts used.

The group material shall have the following basic properties:

1. Viscosity of approximately one (1) centipoise (cps).
2. The viscosity to remain constant through the induction period.
3. The ability to tolerate dilution and react in moving water.
4. The final reaction shall produce a continuous irreversible impermeable stiff gel.

Added 1/5/2010

Acrylic-Base Chemical Sealant

Shall be formed by the bringing together of three primary chemical constituents:

1. Acrylic
2. Triethanolamine/CAT-T
3. Sodium Persulfate

The chemical constituents shall be mixed with water prior to placement.

Gel times shall be controlled from ten seconds to as long as one hour by adjusting the percentage of catalysts used.

The group material shall have the following basic properties:

1. Viscosity of approximately one (1) centipoise.
2. The viscosity to remain constant through the induction period.
3. The ability to tolerate dilution and react in moving water.
4. The final reaction shall produce a continuous irreversible impermeable stiff gel.

Polyurethane Gel Chemical Sealant

A moisture curing, hydrophilic urethane liquid that is designed to be mixed with water as applied through pumping equipment.

Elastomeric Polyurethane Resin (Foam)

Designed to control water and seal cracks in concrete. Elastomeric Polyurethane Resin expands when it comes in contact with water and quickly forms a flexible closed cell polyurethane foam seal.

Oil-Free Jute Fiber

Open Cell Round Backer Rod

Rapid Setting High Early Strength Patching Material

Method of Measurement. This work will be measured for payment per foot of joint repair as approved by the Engineer. The Contractor shall CCTV the sewer segments after cleaning and shall provide Digital Video Disc (DVD) recordings to the Engineer for verification of repairs.

Basis of Payment. This work will be paid for at the contract unit price per foot for MAIN DRAIN JOINT REPAIR. The Contractor is expected to complete this work using the permanent lane closures shown in the maintenance of traffic plans when possible. Any work not able to be completed using these permanent lane closures shall be coordinated with the Department and any required traffic control shall be included in TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

Added 1/5/2010

MAIN DRAIN CLEANING

Description. This work shall consist of cleaning the existing main drain storm sewer and main drain manholes as shown in the plans, as described herein and as directed by the Engineer.

Construction Requirements. The types of debris or other foreign matter which may be encountered include, but are not limited to, silt, gravel, broken concrete or rocks, root growth, and other deposits or accumulation which shall be completely removed at the time of final inspection. The equipment selected for cleaning shall be capable of removing all debris and other deleterious material from the main sewer and manholes.

When a sewer is found to be more than one-half full with debris, bucket machines, rodding machines, and/or vacuum equipment shall be used to remove the major portion of material before hydraulic equipment is employed.

All debris removed during the cleaning operations shall be disposed of outside the State right-of-way in accordance with the local EPA rules and regulations and Section 202.03 of the Standard Specifications. Disposal costs shall not be paid for separately, but shall be included in the unit price for MAIN DRAIN CLEANING.

The method by which the debris is removed from the main drain sewer and main drain manholes shall include safety, transportation, equipment and traffic control described herein, and shall require the approval of the Engineer.

The Contractor is expected to complete this work using the permanent lane closures shown in the maintenance of traffic plans when possible. Any work not able to be completed using these permanent lane closures shall be coordinated with the Department and any required traffic control shall be included in TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

The Contractor shall CCTV the sewer segments after cleaning and shall provide Digital Video Disc (DVD) recordings to the Engineer for verification of cleaning.

Method of Measurement. This work will be measured for payment per foot of debris removed and disposed of from the main drain storm sewer and main drain manholes. The measured length shall be confirmed by the Engineer prior to removal and disposal of the debris.

Basis of Payment. This work will be paid for at the contract unit price per foot for MAIN DRAIN CLEANING.

PAVED SHOULDER REMOVAL (SPECIAL)

Description. This work shall consist of complete removal of existing hot-mix asphalt (HMA) surfaces in preparation for subsequent resurfacing according to Section 440 of the Standard Specifications, as shown on the plans, as described herein and as directed by the Engineer.

Construction Requirements. Typical applications of this work include, but are not limited to, all HMA pads at fencing along frontage roads, all HMA side slopes at exit and entrance ramps and bridge approaches, and all HMA pads at ends of barrier terminal walls.

Added 1/5/2010

For locations and extent of work, the Contractor shall coordinate with the Engineer and contact Rick Wanner, Roadside Development Architect, IDOT Roadside Development Unit, at (847) 705-4172 at least 72 hours prior to starting work.

CLEANING OF WET PIT

Description. This work shall consist of the removal and disposal of all debris from the designated pump station wet pit as shown in the plans, as described herein and as directed by the Engineer.

Pump Station No. 4 is located at the southwest quadrant of I-290 and the Des Plaines River.
Pump Station No. 20 is located in the median of I-290 west of Wolf Road.

Construction Requirements. The method by which the debris is removed from the wet pit shall include safety, transportation, equipment and traffic control described herein, and shall require the approval of the Engineer.

The wet pit shall be cleaned once prior to commencement of all other construction operations and once at the completion of construction.

The Contractor is expected to complete this work using the permanent lane closures shown in the maintenance of traffic plans when possible. Any work not able to be completed using these permanent lane closures shall be coordinated with the Department and any required traffic control shall be included in TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

All removed material shall be disposed of outside the State right-of-way and in accordance with the local EPA rules and regulations and Section 202.03 of the Standard Specifications. Disposal costs shall not be paid for separately, but shall be included in the unit price for CLEANING OF WET PIT.

Areas outside the bar screen(s)/trash rack(s) up to the inlet sewer shall be cleaned.

The Contractor shall contact Mr. Naser Gholeh, IDOT Engineer, at (847) 221-3089 at least 72 hours prior to beginning work and to obtain access to the pump stations.

Method of Measurement. Each ton of wet pit debris that is removed and disposed of in accordance with the above specifications and approved by the Engineer shall be counted as a unit for payment.

Basis of Payment. This work will be paid for at the contract unit price per ton for CLEANING OF WET PIT.

Added 1/5/2010

INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)

Description. This work shall consist of constructing a hot-mix asphalt (HMA) surface on a prepared base according to Section 408 of the Standard Specifications, as shown on the plans, as described herein and as directed by the Engineer.

Construction Requirements. Typical applications of this work include, but are not limited to, all HMA pads at fencing along frontage roads, all HMA side slopes at exit and entrance ramps and bridge approaches, and all HMA pads at ends of barrier terminal walls.

For locations and extent of work, the Contractor shall coordinate with the Engineer and contact Rick Wanner, Roadside Development Architect, IDOT Roadside Development Unit, at (847) 705-4172 at least 72 hours prior to starting work.

INLET FILTER CLEANING
Effective: February 7, 2007

Description. This work shall consist of cleaning sediment from each assembled inlet filter. The Engineer will designate the need for cleaning based on the rate of debris and silt collected at each inlet filter location.

Cleaning of the inlet filter shall consist of inspecting and cleaning (includes removal and proper disposal of debris and silt that has accumulated in the filter fabric bag) by vactoring, removing and dumping or any other method approved by the Engineer.

Method of Measurement. Cleaning of the inlet filter shall be measured for payment each time that the cleaning work is performed at each of the inlet filter locations.

Basis of Payment. The work will be paid for at the contract unit price per each for INLET FILTER CLEANING.

Added 1/5/2010