

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.i

Title:

Recommendation to Approve Construction Contract for
South Tyler Road Water Main Replacement

Presenter:

Tim Wilson

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$259,862

Budgeted Amount: \$325,000

Not Budgeted: ☐**Executive Summary** (if not budgeted please explain):

On June 16, 2017, sealed bids for the S. Tyler Road Water Main Replacement were publicly opened and read aloud. The City received a total of six (6) bids for this project, with the results shown below.

Bid Results:

Engineer's Estimate-	\$350,702
Apollo Trenchless	\$259,862
V3 Construction	\$301,565
Trine	\$305,923.80
IHC	\$308,490
J. Congdon	\$338,315
Construction by Camco	\$367,729.90

The scope of work will include 722' Linear Ft. of watermain improvements on Tyler Road from Production Drive to Munhall Avenue; this project will include the installation of a 12" water main, by open cut and trenchless methods. Work will also include asphalt patching, sidewalk replacement, and parkway restoration.

Construction is projected to begin in July, with the majority of the project completed by the end of August. Restoration and punch list work will be completed by mid-September. Individual notifications will be provided to the residents and businesses adjacent to the project area, with a press release sent out to the general community.

Attachments (*please list*):

* Letter of Recommendation & Bid Tab * Location Map

Recommendation/Suggested Action (*briefly explain*):

Recommendation to approve Construction Contract with Apollo Trenchless for the 2017 South Tyler Road Water Main Replacement in the amount of \$259,862

June 16, 2017

Mr. Tim Wilson
Public Works Manager – Environmental Services
City of St. Charles
2 E. Main Street
St. Charles, IL 60174

RE: Tyler Road Watermain Improvements

Dear Tim:

Bids for the above project were opened on June 15th, at 10:00 a.m., at the St. Charles City Hall, 2 E. Main Street, St. Charles, IL, and were as listed on the attached bid tabulation.

We reviewed the documentation submitted by the apparent low bidder, Apollo Trenchless, Inc., and found that:

1. To the best of our knowledge and belief, the Bid Form has been appropriately completed. We recommend that your purchasing or legal department also review the documents.
2. We have no objections to the low bidder.
3. Subcontractors have not yet been selected by the low bidder. We recommend that the City reserve the right to review/reject the low bidder's subcontractors at a later date.
4. Low bidder has successfully completed similar projects within the past five years according to references we have contacted; the City of Elmhurst, the Village of Glen Ellyn, and Baxter & Woodman (in reference to a project for the Mission Brook Sanitary District). The low bidder's reference list is attached.
5. Low bidder is not on the Illinois Department of Labor's list of Public Works Debarred Contractors (<https://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Debarred-Contractors.aspx>).
6. Low bidder is not prequalified by the Illinois Department of Transportation, but has agreed to provide a subcontractor that is prequalified in the categories of Aggregate Bases and Surface.
7. In a conference call with Chuck Cohen and Aaron Cohen of Apollo Trenchless, Inc., the low bidder has confirmed that they have thoroughly reviewed the bid documents, they are satisfied that their bid pricing is correct, and that they can complete the project by the contract completion date of August 31, 2017.

St. Charles City IL 8296-10000 Tyler Road Water Main > 300 Bidding and Construction > Bidding

Letter to Mr. Tim Wilson
RE: Tyler Road Watermain
June 16, 2017
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On these bases, we recommend that Apollo Trenchless, Inc. be awarded the Tyler Road Watermain Improvements contract, for the Base Bid (\$236,162.00) and Alternate 2 (\$23,700.00), for a total amount of **\$259,862.00**. This amount is based on the bid unit prices and estimated quantities. Actual quantities, and therefore the final contract price, may vary. On all construction projects, and especially complex ones like this, unpredictable factors may increase the final contract amount. For this reason, we recommend that the City include a 10 percent contingency with this contract.

Our review did not include an evaluation of bidder's current financial condition nor of their permanent safety program or substance abuse prevention program.

Bids remain subject to acceptance until July 30, 2017, unless Bidder agrees to an extension. Please advise us of your decision to award, and do not hesitate to contact me if there are any questions.

Very truly yours,

RUEKERT & MIELKE, INC.



Andrew J Sikich, P.E. (IL, WI), CFM, CPESC
Illinois Manager
asikich@ruekert-mielke.com

Encl: Bid Tabulation
Reference List
Apollo Bid Forms w/Bid Documents

CC: File

TYLER ROAD WATERMAIN IMPROVEMENTS

CITY OF ST. CHARLES

BID TABULATION

BID OPENING DATE: 6/15/17 AT 10:00AM

1. BASE BID				Engineer's Opinion of Prob Cost		Apollo Trenchless		V3 Construction		Trine		IHC		J. Congdon		Const. by Camco	
Item No.	Description	Unit	Quantity	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Mobilization	LSUM	1	\$ 28,500.00	\$ 28,500.00	\$ 10,000.00	\$ 10,000.00	\$ 3,100.00	\$ 3,100.00	\$ 8,930.00	\$ 8,930.00	\$ 6,829.00	\$ 6,829.00	\$ 2,500.00	\$ 2,500.00	\$ 15,000.00	\$ 15,000.00
2	Traffic Control & Protection, Special	LSUM	1	\$ 25,000.00	\$ 25,000.00	\$ 4,500.00	\$ 4,500.00	\$ 3,500.00	\$ 3,500.00	\$ 38,950.00	\$ 38,950.00	\$ 3,000.00	\$ 3,000.00	\$ 25,000.00	\$ 25,000.00	\$ 9,000.00	\$ 9,000.00
3	Construction Staking and Record Drawings	LSUM	1	\$ 5,000.00	\$ 5,000.00	\$ 5,100.00	\$ 5,100.00	\$ 3,500.00	\$ 3,500.00	\$ 4,025.00	\$ 4,025.00	\$ 3,400.00	\$ 3,400.00	\$ 10,000.00	\$ 10,000.00	\$ 5,850.00	\$ 5,850.00
4	Chain link Fence Removal and Replacement	FOOT	160	\$ 10.00	\$ 1,600.00	\$ 25.00	\$ 4,000.00	\$ 58.00	\$ 9,280.00	\$ 17.25	\$ 2,760.00	\$ 65.00	\$ 10,400.00	\$ 50.00	\$ 8,000.00	\$ 58.55	\$ 9,368.00
5	Abandon Existing Watermain	LSUM	1	\$ 10,000.00	\$ 10,000.00	\$ 8,350.00	\$ 8,350.00	\$ 12,400.00	\$ 12,400.00	\$ 7,650.00	\$ 7,650.00	\$ 12,900.00	\$ 12,900.00	\$ 15,000.00	\$ 15,000.00	\$ 12,175.00	\$ 12,175.00
6	Ductile Iron Water Main Pipe, CL 52, 12"	FOOT	377	\$ 125.00	\$ 47,125.00	\$ 79.50	\$ 29,971.50	\$ 160.00	\$ 60,320.00	\$ 135.80	\$ 51,196.60	\$ 180.00	\$ 67,860.00	\$ 175.00	\$ 65,975.00	\$ 176.00	\$ 66,352.00
7	PVC Water Main Pipe, C-900, 12" (HDD Method)	FOOT	345	\$ 350.00	\$ 120,750.00	\$ 157.00	\$ 54,165.00	\$ 240.00	\$ 82,800.00	\$ 249.70	\$ 86,146.50	\$ 200.00	\$ 69,000.00	\$ 300.00	\$ 103,500.00	\$ 265.45	\$ 91,580.25
8	Steel Casing Pipe, 22" (Open Cut)	FOOT	120	\$ 150.00	\$ 18,000.00	\$ 173.00	\$ 20,760.00	\$ 190.00	\$ 22,800.00	\$ 94.25	\$ 11,310.00	\$ 170.00	\$ 20,400.00	\$ 85.00	\$ 10,200.00	\$ 163.00	\$ 19,560.00
9	Connect to Existing Watermain (non-pressure)	EA	2	\$ 5,000.00	\$ 10,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,700.00	\$ 9,400.00	\$ 6,130.00	\$ 12,260.00	\$ 3,400.00	\$ 6,800.00	\$ 3,500.00	\$ 7,000.00	\$ 6,180.00	\$ 12,360.00
10	Fire Hydrant Removal and Reset	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 2,900.00	\$ 2,900.00	\$ 1,600.00	\$ 1,600.00	\$ 3,119.25	\$ 3,119.25	\$ 3,900.00	\$ 3,900.00	\$ 5,000.00	\$ 5,000.00	\$ 4,870.00	\$ 4,870.00
11	Line Stop Existing Main, 8"	EA	1	\$ 5,500.00	\$ 5,500.00	\$ 4,900.00	\$ 4,900.00	\$ 6,600.00	\$ 6,600.00	\$ 4,200.00	\$ 4,200.00	\$ 6,500.00	\$ 6,500.00	\$ 8,000.00	\$ 8,000.00	\$ 6,525.00	\$ 6,525.00
12	Line Stop Existing Main, 12"	EA	1	\$ 6,000.00	\$ 6,000.00	\$ 6,200.00	\$ 6,200.00	\$ 8,900.00	\$ 8,900.00	\$ 6,500.00	\$ 6,500.00	\$ 7,700.00	\$ 7,700.00	\$ 12,000.00	\$ 12,000.00	\$ 8,750.00	\$ 8,750.00
13	12" Valve in Vault, 5' Diameter	EA	2	\$ 6,000.00	\$ 12,000.00	\$ 9,200.00	\$ 18,400.00	\$ 6,200.00	\$ 12,400.00	\$ 6,162.50	\$ 12,325.00	\$ 7,400.00	\$ 14,800.00	\$ 5,000.00	\$ 10,000.00	\$ 6,825.00	\$ 13,650.00
14	Silt Fence	FOOT	792	\$ 3.00	\$ 2,376.00	\$ 1.50	\$ 1,188.00	\$ 3.50	\$ 2,772.00	\$ 3.20	\$ 2,534.40	\$ 2.50	\$ 1,980.00	\$ 5.00	\$ 3,960.00	\$ 4.85	\$ 3,841.20
15	Inlet Protection	EA	9	\$ 100.00	\$ 900.00	\$ 325.00	\$ 2,925.00	\$ 120.00	\$ 1,080.00	\$ 124.45	\$ 1,120.05	\$ 185.00	\$ 1,665.00	\$ 125.00	\$ 1,125.00	\$ 139.00	\$ 1,251.00
16	Parkway Restoration, Special	SY	200	\$ 20.00	\$ 4,000.00	\$ 9.00	\$ 1,800.00	\$ 17.00	\$ 3,400.00	\$ 24.25	\$ 4,850.00	\$ 20.00	\$ 4,000.00	\$ 20.00	\$ 4,000.00	\$ 72.00	\$ 14,400.00
17	Concrete Curb and Gutter Removal and Replacement	FOOT	45	\$ 45.00	\$ 2,025.00	\$ 95.00	\$ 4,275.00	\$ 62.00	\$ 2,790.00	\$ 40.25	\$ 1,811.25	\$ 110.00	\$ 4,950.00	\$ 50.00	\$ 2,250.00	\$ 39.30	\$ 1,768.50
18	Pavement Patching, Full Depth	SY	87	\$ 100.00	\$ 8,700.00	\$ 150.00	\$ 13,050.00	\$ 120.00	\$ 10,440.00	\$ 143.75	\$ 12,506.25	\$ 170.00	\$ 14,790.00	\$ 125.00	\$ 10,875.00	\$ 220.00	\$ 19,140.00
19	Asphalt Driveway Removal & Replacement	SY	34	\$ 90.00	\$ 3,060.00	\$ 200.00	\$ 6,800.00	\$ 120.00	\$ 4,080.00	\$ 51.75	\$ 1,759.50	\$ 100.00	\$ 3,400.00	\$ 50.00	\$ 1,700.00	\$ 157.00	\$ 5,338.00
20	Sidewalk Removal and Replacement, PCC, 5"	SF	1,693	\$ 12.00	\$ 20,316.00	\$ 17.50	\$ 29,627.50	\$ 11.00	\$ 18,623.00	\$ 7.50	\$ 12,697.50	\$ 12.00	\$ 20,316.00	\$ 10.00	\$ 16,930.00	\$ 9.15	\$ 15,490.95
21	Detectable Warnings	SF	10	\$ 35.00	\$ 350.00	\$ 100.00	\$ 1,000.00	\$ 58.00	\$ 580.00	\$ 40.25	\$ 402.50	\$ 340.00	\$ 3,400.00	\$ 30.00	\$ 300.00	\$ 63.00	\$ 630.00
22	Changeable Message Sign	CAL MONTHS	2	\$ 2,500.00	\$ 5,000.00	\$ 1,125.00	\$ 2,250.00	\$ 2,100.00	\$ 4,200.00	\$ 1,035.00	\$ 2,070.00	\$ 1,000.00	\$ 2,000.00	\$ 1,500.00	\$ 3,000.00	\$ 7,775.00	\$ 15,550.00
SUBTOTAL					\$ 338,702.00		\$ 236,162.00		\$ 284,565.00		\$ 289,123.80		\$ 289,990.00		\$ 326,315.00		\$ 352,449.90
2. ALTERNATE 1																	
Item No.	Description	Unit	Quantity														
1	Mobilization	LSUM	1	\$ 28,500.00	\$ 28,500.00	\$ 10,700.00	\$ 10,700.00	\$ 3,100.00	\$ 3,100.00	\$ 8,930.00	\$ 8,930.00	\$ 7,685.00	\$ 7,685.00	\$ 2,500.00	\$ 2,500.00	\$ 15,000.00	\$ 15,000.00
2	Traffic Control & Protection, Special	LSUM	1	\$ 25,000.00	\$ 25,000.00	\$ 4,500.00	\$ 4,500.00	\$ 3,500.00	\$ 3,500.00	\$ 38,950.00	\$ 38,950.00	\$ 3,000.00	\$ 3,000.00	\$ 25,000.00	\$ 25,000.00	\$ 9,000.00	\$ 9,000.00
3	Construction Staking and Record Drawings	LSUM	1	\$ 5,000.00	\$ 5,000.00	\$ 5,100.00	\$ 5,100.00	\$ 3,500.00	\$ 3,500.00	\$ 4,025.00	\$ 4,025.00	\$ 3,400.00	\$ 3,400.00	\$ 10,000.00	\$ 10,000.00	\$ 5,850.00	\$ 5,850.00
4	Chain link Fence Removal and Replacement	FOOT	160	\$ 10.00	\$ 1,600.00	\$ 25.00	\$ 4,000.00	\$ 58.00	\$ 9,280.00	\$ 17.25	\$ 2,760.00	\$ 65.00	\$ 10,400.00	\$ 50.00	\$ 8,000.00	\$ 58.55	\$ 9,368.00
5	Abandon Existing Watermain	LSUM	1	\$ 10,000.00	\$ 10,000.00	\$ 8,250.00	\$ 8,250.00	\$ 12,400.00	\$ 12,400.00	\$ 7,650.00	\$ 7,650.00	\$ 12,900.00	\$ 12,900.00	\$ 15,000.00	\$ 15,000.00	\$ 12,175.00	\$ 12,175.00
6	Ductile Iron Water Main Pipe, CL 52, 12"	FOOT	722	\$ 125.00	\$ 90,250.00	\$ 76.00	\$ 54,872.00	\$ 170.00	\$ 122,740.00	\$ 135.75	\$ 98,011.50	\$ 170.00	\$ 122,740.00	\$ 175.00	\$ 126,350.00	\$ 152.45	\$ 110,068.90
7	Unused	0	0	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -		\$ -		\$ -		\$ -
8	Steel Casing Pipe, 22" (Augered)	FOOT	197	\$ 500.00	\$ 98,500.00	\$ 596.00	\$ 117,412.00	\$ 720.00	\$ 141,840.00	\$ 520.69	\$ 102,575.93	\$ 350.00	\$ 68,950.00	\$ 700.00	\$ 137,900.00	\$ 553.00	\$ 108,941.00
9	Connect to Existing Watermain (non-pressure)	EA	2	\$ 5,000.00	\$ 10,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,700.00	\$ 9,400.00	\$ 5,611.75	\$ 11,223.50	\$ 3,400.00	\$ 6,800.00	\$ 3,500.00	\$ 7,000.00	\$ 6,180.00	\$ 12,360.00
10	Fire Hydrant Removal and Reset	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 2,900.00	\$ 2,900.00	\$ 1,600.00	\$ 1,600.00	\$ 3,119.25	\$ 3,119.25	\$ 3,900.00	\$ 3,900.00	\$ 5,000.00	\$ 5,000.00	\$ 4,865.00	\$ 4,865.00
11	Line Stop Existing Main, 8"	EA	1	\$ 5,500.00	\$ 5,500.00	\$ 4,900.00	\$ 4,900.00	\$ 6,600.00	\$ 6,600.00	\$ 4,200.00	\$ 4,200.00	\$ 6,500.00	\$ 6,500.00	\$ 8,000.00	\$ 8,000.00	\$ 6,525.00	\$ 6,525.00
12	Line Stop Existing Main, 12"	EA	1	\$ 6,000.00	\$ 6,000.00	\$ 6,200.00	\$ 6,200.00	\$ 8,900.00	\$ 8,900.00	\$ 6,500.02	\$ 6,500.02	\$ 7,700.00	\$ 7,700.00	\$ 12,000.00	\$ 12,000.00	\$ 8,750.00	\$ 8,750.00
13	12" Valve in Vault, 5' Diameter	EA	2	\$ 6,000.00	\$ 12,000.00	\$ 9,200.00	\$ 18,400.00	\$ 6,200.00	\$ 12,400.00	\$ 6,162.50	\$ 12,325.00	\$ 7,400.00	\$ 14,800.00	\$ 5,000.00	\$ 10,000.00	\$ 6,825.00	\$ 13,650.00
14	Silt Fence	FOOT	900	\$ 3.00	\$ 2,700.00	\$ 1.50	\$ 1,350.00	\$ 3.50	\$ 3,150.00	\$ 3.20	\$ 2,880.00	\$ 2.50	\$ 2,250.00	\$ 5.00	\$ 4,500.00	\$ 4.85	\$ 4,365.00
15	Inlet Protection	EA	9	\$ 100.00	\$ 900.00	\$ 325.00	\$ 2,925.00	\$ 120.00	\$ 1,080.00		\$ -	\$ 185.00	\$ 1,665.00	\$ 125.00	\$ 1,125.00	\$ 139.00	\$ 1,251.00
16	Parkway Restoration, Special	SY	600	\$ 20.00	\$ 12,000.00	\$ 8.00	\$ 4,800.00	\$ 17.00	\$ 10,200.00	\$ 18.50	\$ 11,100.00	\$ 20.00	\$ 12,000.00	\$ 20.00	\$ 12,000.00	\$ 38.00	\$ 22,800.00
17	Concrete Curb and Gutter Removal and Replacement	FOOT	45	\$ 45.00	\$ 2,025.00	\$ 95.00	\$ 4,275.00	\$ 62.00	\$ 2,790.00	\$ 40.25	\$ 1,811.25	\$ 110.00	\$ 4,950.00	\$ 50.00	\$ 2,250.00	\$ 39.30	\$ 1,768.50
18	Pavement Patching, Full Depth	SY	87	\$ 100.00	\$ 8,700.00	\$ 150.00	\$ 13,050.00	\$ 120.00	\$ 10,440.00	\$ 143.75	\$ 12,506.25	\$ 170.00	\$ 14,790.00	\$ 125.00	\$ 10,875.00	\$ 220.00	\$ 19,140.00
19	Asphalt Driveway Removal & Replacement	SY	34	\$ 90.00	\$ 3,060.00	\$ 200.00	\$ 6,800.00	\$ 120.00	\$ 4,080.00	\$ 51.75	\$ 1,759.50	\$ 100.00	\$ 3,400.00	\$ 50.00	\$ 1,700.00	\$ 156.00	\$ 5,304.00
20	Sidewalk Removal and Replacement, PCC, 5"	SF	2,230	\$ 12.00	\$ 26,760.00	\$ 20.00	\$ 44,600.00	\$ 11.00	\$ 24,530.00	\$ 7.20	\$ 16,056.00	\$ 12.00	\$ 26,760.00	\$ 10.00	\$ 22,300.00	\$ 9.00	\$ 20,070.00
21	Detectable Warnings	SF	10	\$ 35.00	\$ 350.00	\$ 100.00	\$ 1,000.00	\$ 58.00	\$ 580.00	\$ 40.25	\$ 402.50	\$ 340.00	\$ 3,400.00	\$ 30.00	\$ 300.00	\$ 63.00	\$ 630.00
22	Changeable Message Sign	CAL MONTHS	2	\$ 2,500.00	\$ 5,000.00	\$ 1,125.00	\$ 2,250.00	\$ 2,100.00	\$ 4,200.00	\$ 1,035.00	\$ 2,070.00	\$ 1,000.00	\$ 2,000.00	\$ 1,500.00	\$ 3,000.00	\$ 7,775.00	\$ 15,550.00
SUBTOTAL					\$ 356,345.00		\$ 322,284.00		\$ 396,310.00		\$ 348,855.70		\$ 339,990.00		\$ 424,800.00		\$ 407,431.40
										As Read:	\$349,975.75						
3. ALTERNATE 2																	
Item No.	Description	Unit	Quantity														
23	Ductile Iron Water Main Pipe, CL 52, 8"	FOOT	20	\$ 100.00	\$ 2,000.00	\$ 285.00	\$ 5,700.00	\$ 260.00	\$ 5,200.00	\$ 344.80	\$ 6,896.00	\$ 300.00	\$ 6,000.00	\$ 100.00	\$ 2,000.00	\$ 178.00	\$ 3,560.00
24	8" Valve in Vault, 5' Diameter	EA	2	\$ 5,000.00	\$ 10,000.00	\$ 9,000.00	\$ 18,000.00	\$ 5,900.00	\$ 11,800.00	\$ 4,952.00	\$ 9,904.00	\$ 6,250.00	\$ 12,500.00	\$ 5,000.00	\$ 10,000.00	\$ 5,860.00	\$ 11,720.00
SUBTOTAL					\$ 12,000.00		\$ 23,700.00		\$ 17,000.00		\$ 16,800.00		\$ 18,500.00		\$ 12,000.00		\$ 15,280.00

Total Base Bid Amount	\$	\$ 338,702.00	\$ 236,162.00	\$ 284,565.00	\$ 289,123.80	\$ 289,990.00	\$ 326,315.00	\$ 352,449.90
Total Base Bid + Alternate 2		\$ 350,702.00	\$ 259,862.00	\$ 301,565.00	\$ 305,923.80	\$ 308,490.00	\$ 338,315.00	\$ 367,729.90
Total Alternate 1 Amount		\$ 356,345.00	\$ 322,284.00	\$ 396,310.00	\$ 348,855.70	\$ 339,990.00	\$ 424,800.00	\$ 407,431.40
Total Alternate 1 + Alternate 2		\$ 368,345.00	\$ 345,984.00	\$ 413,310.00	\$ 365,655.70	\$ 358,490.00	\$ 436,800.00	\$ 422,711.40



P.O. Box 928
Lombard, IL 60148
(630) 816-8791

Project References

- **Forcemain Replacements for Lake Park and Sycamore Lift Stations**
HDD Installation of 1,530 feet of 6" PVC C900 Force Main
Owner: Village of Roselle: John LaRocca (630) 671-2365 JLaRocca@roselle.il.us
Contractor: Apollo Trenchless, Inc.
Engineer: RHMG Engineers, Inc. Ryan Brick (847) 362-5959 rbrick@rhmg.com
Contract Amount: \$270,500
Date of Completion: October 2016
- **Citation Lake Pumping Station Force Main Extension**
HDD Installation of 2,500 feet of 6" PVC Cert-A-Flo Force Main
Owner: Mission Brook Sanitary District: Bob Blackstone (847) 272-2956 missionbrook@aol.com
Contractor: Apollo Trenchless, Inc.
Engineer: Baxter & Woodman, Inc. Eric Murauskas (815) 459-1260 emurauskas@baxterwoodman.com
Contract Amount: \$357,000
Date of Completion: November 2015
- **Hodgkins Lenzi Alley Water Main Extension**
HDD Installation of 630 ft of 8" PVC (C900) Water Main
Owner: Village of Hodgkins
Engineer: Frank Novotny & Associates, Inc.
Contractor: Glenbrook Excavating, Todd Barnett (847) 724-9477 toddb@glenbrookexcavating.com
Contract Amount: \$28,360
Date of Completion: November 2014
- **Ogden Ave Water Main**
HDD Installation of 900 feet of 8" HDPE Water Main
Owner: LaGrange Park, IL
Contractor: Suburban General Contracting, John Chase (630) 479-3952 subgen1@yahoo.com
Contract Amount: \$75,000
Date of Completion: August 2014
- **Allen Road Force Main**
HDD Installation of 2,550 feet of 16" CertaLok PVC Force Main
Owner: Greater Peoria Sanitary District: James Sloan, PE (309) 272-4850 x4850 jsloan@gpsd.org
Contractor: Stark Excavating, Inc: Don Colclasure, Jr. (309) 828-5034 dcolclasurejr@starkcompanies.com
Engineer: Maurer-Stutz
Contract Amount: \$137,000
Date of Completion: July 2014
- **Braeside Area Localized Drainage Improvements**
HDD Installation of 2,700 feet of 8" CertaLok On-Grade Sanitary Sewer
Owner: Village of Glen Ellyn: Bob Minix, PE (630) 547-5514 Bobm@glenellyn.org
Contractor: Apollo Trenchless, Inc.
Engineer: Pavia-Marting & Co.
Contract Amount: \$568,000
Date of Completion: July 2013
- **Atrium Lift Station Force Main Replacement**
HDD Installation of 1,250 feet of 10" HDPE through landfill
Owner: City of Elmhurst: Chrit Dufort, (630) 530-3036 Chris.Dufort@elmhurst.org
Contractor: Apollo Trenchless, Inc.
Engineer: RJN Group, Cathy Morley, PE (630) 682-4700 x354 cmorley@rjn.com
Contract Amount: \$165,000
Date of Completion: November 2012

Local Public Agency Formal Contract Proposal

PROPOSAL SUBMITTED BY		
Apollo Trenchless, Inc.		
Contractor's Name		
PO Box 928		
Street	IL	P.O. Box
Lombard		60148
City	State	Zip Code

STATE OF ILLINOIS

COUNTY OF Kane
City of St. Charles, Illinois
 (Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. Tyler Road Watermain Improvements
 SECTION NO. N/A
 TYPES OF FUNDS Corporate

☒ SPECIFICATIONS (required)☒ PLANS (required)**For Municipal Projects**

Submitted/Approved/Passed

Tim Wilson – Public Works Manager – Env. Services

☐ Mayor ☐ President of Board of Trustees ☒ Municipal Official

Date

For County and Road District Projects

Submitted/Approved

Highway Commissioner
Date

Submitted/Approved

County Engineer/Superintendent of Highways
Date

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

NOTICE TO BIDDERS

County Kane
 Local Public Agency City of St. Charles
 Section Number N/A
 Route Tyler Road WM Improvements

Sealed proposals for the improvement described below will be received at the office of the City Clerk
City of St. Charles, 2 East Main Street, St. Charles, IL 60174 until 10:00 AM on June 15, 2017
 Address Time Date

Sealed proposals will be opened and read publicly at the office of Council Chambers
City of St. Charles, 2 East Main Street, St. Charles, IL 60174 at 10:00 AM on June 15, 2017
 Address Time Date

DESCRIPTION OF WORK

Name Tyler Road Watermain Improvements Length: 722 feet (0.14 miles)
 Location Tyler Road from Production Drive to Munhall Avenue
 Proposed Improvement This project will include the installation of 722 feet of 12" water main, by open cut and trenchless methods. Work will also include asphalt patching, sidewalk replacement, and parkway restoration.

1. Plans and proposal forms will be available in the office of City of St. Charles website at no charge at:
<http://www.stcharlesil.gov/bids-proposals>. Contact Tim Wilson, Public Works Manager – Environmental Services, 630-377-4405
 Address
2. ☒ Prequalification
 If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority.
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
 - a. BLR 12200 – Contract Cover
 - b. BLR 12200 – Notice to Bidders
 - c. BLR 12200 – Proposal
 - d. BLR 12200a – Schedule of Prices
 - e. BLR 12200 – Signatures
 - f. BLR 12230 – Proposal Bid Bond
 - g. BC 57 – Affidavit of Availability
 - h. Certificate of Nondiscrimination
 - i. Affidavit of Noncollusion
 - j. Certificate of Compliance with State of Illinois Prevailing Wages
 - k. IDOT Certification of Eligibility
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

PROPOSAL

County Kane
 Local Public Agency City of St. Charles
 Section Number N/A
 Route Tyler Road WM Improvements

1. Proposal of Apollo Trenchless, Inc.

for the improvement of the above section by the construction of This project will include the installation of 722 feet of 12" Watermain by trenchless and open cut methods. Work will also include asphalt patching, sidewalk replacement and parkway restoration.

a total distance of 722 feet, of which a distance of 722 feet, (0.14 miles) are to be improved.

2. The plans for the proposed work are those prepared by Ruekert & Mielke, Inc. and approved by the Department of Transportation on N/A
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the project Special Provisions and General Specifications contained in this proposal.
5. The undersigned agrees to complete the work within _____ working days or by August 31, 2017 unless additional time is granted in accordance with the specifications.
6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to:

Treasurer of City of St. Charles

The amount of the check is 10% of bid amount (_____).

7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number N/A.
8. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for 110% of the amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.
9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
11. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this contract.
12. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12200a, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.

**SCHEDULE OF PRICES
BASE BID**

County Kane
Local Public Agency City of St. Charles
Section N/A
Route Tyler Road WM Improvements

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	Mobilization	LSUM	1	\$10,000.00	\$10,000.00
2	Traffic Control & Protection, Special	LSUM	1	\$4,500.00	\$4,500.00
3	Construction Staking and Record Drawings	LSUM	1	\$5,100.00	\$5,100.00
4	Chain link Fence Removal and Replacement	FOOT	160	\$25.00	\$4,000.00
5	Abandon Existing Watermain	LSUM	1	\$8,350.00	\$8,350.00
6	Ductile Iron Water Main Pipe, CL 52, 12"	FOOT	377	\$79.50	\$29,971.50
7	PVC Water Main Pipe, C-900, 12" (HDD Method)	FOOT	345	\$157.00	\$54,165.00
8	Steel Casing Pipe, 22" (Open Cut)	FOOT	120	\$173.00	\$20,760.00
9	Connect to Existing Watermain (non-pressure)	EA	2	\$2,000.00	\$4,000.00
10	Fire Hydrant Removal and Reset	EA	1	\$2,900.00	\$2,900.00
11	Line Stop Existing Main, 8"	EA	1	\$4,900.00	\$4,900.00
12	Line Stop Existing Main, 12"	EA	1	\$6,200.00	\$6,200.00
13	12" Valve in Vault, 5' Diameter	EA	2	\$9,200.00	\$18,400.00
14	Silt Fence	FOOT	792	\$1.50	\$1,188.00
Page Total (to be carried forward to Page 2)					\$174,434.50

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
15	Inlet Protection	EA	9	\$325.00	\$2,925.00
16	Parkway Restoration, Special	SY	200	\$9.00	\$1,800.00
17	Concrete Curb and Gutter Removal and Replacement	FOOT	45	\$95.00	\$4,275.00
18	Pavement Patching, Full Depth	SY	87	\$150.00	\$13,050.00
19	Asphalt Driveway Removal & Replacement	SY	34	\$200.00	\$6,800.00
20	Sidewalk Removal and Replacement, PCC, 5"	SF	1,693	\$17.50	\$29,627.50
21	Detectable Warnings	SF	10	\$100.00	\$1,000.00
22	Changeable Message Sign	CAL MONTHS	2	\$1,125.00	\$2,250.00
Carried forward from Page 1					\$174,434.50
Total from Page 2					\$61,727.50
Bidders Proposal for BASE BID					\$236,162.00

**SCHEDULE OF PRICES
ALTERNATE 1
THIS ALTERNATE, IF CHOSEN, SHALL
REPLACE THE BASE BID**

County Kane
Local Public Agency City of St. Charles
Section N/A
Route Tyler Road WM Improvements

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	Mobilization	LSUM	1	\$10,700.00	\$10,700.00
2	Traffic Control & Protection, Special	LSUM	1	\$4,500.00	\$4,500.00
3	Construction Staking and Record Drawings	LSUM	1	\$5,100.00	\$5,100.00
4	Chain link Fence Removal and Replacement	FOOT	160	\$25.00	\$4,000.00
5	Abandon Existing Watermain	LSUM	1	\$8,250.00	\$8,250.00
6	Ductile Iron Water Main Pipe, CL 52, 12"	FOOT	722	\$76.00	\$54,872.00
7	Unused	Unused	Unused	Unused	Unused
8	Steel Casing Pipe, 22" (Augered)	FOOT	197	\$596.00	\$117,412.00
9	Connect to Existing Watermain (non-pressure)	EA	2	\$2,000.00	\$4,000.00
10	Fire Hydrant Removal and Reset	EA	1	\$2,900.00	\$2,900.00
11	Line Stop Existing Main, 8"	EA	1	\$4,900.00	\$4,900.00
12	Line Stop Existing Main, 12"	EA	1	\$6,200.00	\$6,200.00
13	12" Valve in Vault, 5' Diameter	EA	2	\$9,200.00	\$18,400.00
14	Silt Fence	FOOT	900	\$1.50	\$1,350.00
15	Inlet Protection	EA	9	\$325.00	\$2,925.00
Page Total (to be carried forward to Page 2)					\$245,509.00

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
16	Parkway Restoration, Special	SY	600	\$8.00	\$4,800.00
17	Concrete Curb and Gutter Removal and Replacement	FOOT	45	\$95.00	\$4,275.00
18	Pavement Patching, Full Depth	SY	87	\$150.00	\$13,050.00
19	Asphalt Driveway Removal & Replacement	SY	34	\$200.00	\$6,800.00
20	Sidewalk Removal and Replacement, PCC, 5"	SF	2,230	\$20.00	\$44,600.00
21	Detectable Warnings	SF	10	\$100.00	\$1,000.00
22	Changeable Message Sign	CAL MONTHS	2	\$1,125.00	\$2,250.00
Carried forward from Page 1					\$245,509.00
Total from Page 2					\$76,775.00
Bidders Proposal for ALTERNATE 1					\$322,284.00

SCHEDULE OF PRICES
ALTERNATE 2
THIS ALTERNATE, IF CHOSEN, SHALL BE
ADDED TO EITHER THE BASE BID OR
ALTERNATE 1

County Kane
 Local Public Agency City of St. Charles
 Section N/A
 Route Tyler Road WM Improvements

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
23	Ductile Iron Water Main Pipe, CL 52, 8"	FOOT	20	\$285.00	\$5,700.00
24	8" Valve in Vault, 5' Diameter	EA	2	\$9,000.00	\$18,000.00
Bidders Proposal for ALTERNATE 2					\$23,700.00

CONTRACTOR CERTIFICATIONS

County	Kane
Local Public Agency	City of St. Charles
Section Number	N/A
Route	Tyler Road WM Improvements

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative Code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be cancelled.

SIGNATURES

County Kane
 Local Public Agency City of St. Charles
 Section Number N/A
 Route Tyler Road WM Improvements

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Business Address _____

Inset Names and Addressed of All Partners



(If a corporation)

Corporate Name Apollo Trenchless, Inc.

Signed By  
 President

Business Address PO Box 928
Lombard, IL 60148

Insert Names of Officers

President Aaron Cohen
 Secretary Aaron Cohen
 Treasurer Aaron Cohen

Attest: 
 Secretary

Route Tyler Road WM Improvements

County Kane

Local Agency City of St. Charles

Section N/A

RETURN WITH BID

PAPER BID BOND

WE Apollo Trenchless, Inc. P O Box 928, Lombard, IL 60148 as **PRINCIPAL**

and Washington International Insurance Company 475 North Martingale Road, Suite 850, Schaumburg, IL 60173 as SURETY.

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect. -

IN THE EVENT the LA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 15th day of June, 2017

Principal

Apollo Trenchless, Inc.

(Company Name)

(Company Name)

By: Chuck Cohen By: _____
 Chuck Cohen (Signature and Title) (Signature and Title)

(If PRINCIPLE is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Washington International Insurance Company

(Name of Surety)

Surety

By

William P. Maher

(Signature of Attorney-in-Fact)

STATE OF Illinois

COUNTY OF Cook

Vicki L. Broadbuss

do hereby certify that Chuck Cohen and William P. Maher

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPALS and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 15th day of June, 2017.

My commission expires June 18, 2017

Vicki L. Broadbush (Notary Public)

ELECTRONIC BID

☐ **Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)**

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

[illegible]

Electronic Bid Bond ID Code

(Company/Bidder Name)

{Signature and Title}

Date _____

Affidavit of Availability For the Letting of Tyler Road Watermain Improvements

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show **NONE**.

	1	2	3	4	Awards Pending	
County and Section Number						
Contract With						
Estimated Completion Date						
Total Contract Price						Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						\$0.00

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show **NONE**.

						Accumulated Totals
Earthwork						
Portland Cement Concrete Paving						
Bituminous Plant Mix						
Bituminous Aggregate Mixture						
Miscellaneous Bituminous Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces						
Highway, R.R. and Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						
Miscellaneous Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Fabrication						
Building Construction						
Other Construction (List)						
Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Disclosure of this information is **REQUIRED** to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

I, being duly sworn, do hereby declare that this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

this 14TH day of JUNE 2017Type or Print Name Aaron Cohen President

Officer or Director

Title

Signed



Notary Public

My commission expires 8/15/2020Company Apollo Trenchless, Inc.Address PO Box 928
Lombard, IL 60148

(Notary Seal)

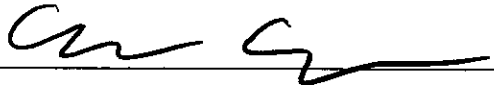
Printed by 02011

CERTIFICATE OF NONDISCRIMINATION

This is to certify that this firm does not and will not discriminate in any of its employment practices against persons because of their race, color, religion, sex or place of national origin, or ancestry.

The undersigned will take all necessary affirmative action as may be required by all applicable Federal, State and Local laws, ordinances, rules, regulations and orders to ensure that applicants are employed and that employees are treated, during employment, without regard to their race, color, religion, sex or national origin or ancestry.

Firm: Apollo Trenchless, Inc.

By: 

Title: President

Date: 6/14/2017

STATE OF ILLINOIS)
)
COUNTY OF KANE & DUPAGE)

AFFIDAVIT OF NONCOLLUSION

The undersigned, who has herewith submitted a bid to provide,

Labor and material for Water Main construction work

(describe nature of service or product)
in accordance with plans and specifications furnished by the City of St Charles for
Tyler Road Watermain Improvements project

(describe project)

does hereby affirm that said undersigned person and/or firm into any agreement, understanding, or arrangement with any other bidder or prospective bidder or with any other person, firm, or corporation relating to the price named in said proposal, nor has said undersigned person and/or firm entered into any agreement, understanding, or arrangement under which any person, firm, or corporation is to refrain from bidding, nor any agreement, understanding, or arrangement for any act or omission in restraint of free competition among bidders.

The undersigned further affirms that said undersigned person and/or firm is not disqualified by law from contracting with the City of St Charles; and that said undersigned person and/or firm has not disclosed to any person, firm, or corporation the terms of this proposal or the price named herein.

Apollo Trenchless, Inc.

Company

PO Box 928

Lombard, IL 60148

Address

Bid for

6/14/2017

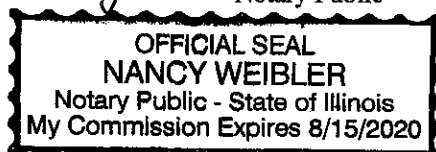
Date _____

Duly authorized agent or officer

Subscribed and sworn to me

this 14TH day of JUNE, A.D. 20 17

Hanery A. Wampler
Notary Public



**CERTIFICATE OF COMPLIANCE
WITH STATE OF ILLINOIS
PREVAILING WAGE RATES**

This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 *et seq.* ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed.

The Department publishes the prevailing wage rates on its website at <http://www.state.il.us/agency/idol/rates/rates.htm>. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's website for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, *including but not limited to*, all wage requirements and notice and record keeping duties.

The undersigned will take all necessary action and be responsible for full compliance with the State of Illinois laws and Illinois Department of Transportation Special Provision with regard to this issue. The Special Provision is included in these documents for your information. If the Company believes the Act does not apply to them, then in lieu of certified payroll, the Company will provide a certified statement, in letter form, setting forth the basis upon which they have concluded the Act does not apply.

Apollo Trenchless, Inc.

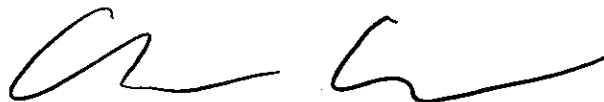
Company

PO Box 928
Lombard, IL 60148

Address

6/14/2017

Date



Duly Authorized Agent of Officer

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2017

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 4-1-16) (Revised 1-1-17)

SUPPLEMENTAL SPECIFICATIONS

<u>Std. Spec. Sec.</u>	<u>Page No.</u>
106 Control of Materials	1
403 Bituminous Surface Treatment (Class A-1, A-2, A-3)	2
420 Portland Cement Concrete Pavement	3
502 Excavation for Structures	5
503 Concrete Structures	7
504 Precast Concrete Structures	10
542 Pipe Culverts	11
586 Sand Backfill for Vaulted Abutments	12
670 Engineer's Field Office and Laboratory	14
704 Temporary Concrete Barrier	15
888 Pedestrian Push-Button	17
1003 Fine Aggregates	18
1004 Coarse Aggregates	19
1006 Metals	21
1020 Portland Cement Concrete	22
1103 Portland Cement Concrete Equipment	24

Check Sheet for Recurring Special Provisions

Adopted January 1, 2017

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	26
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	29
3	<input type="checkbox"/> EEO	30
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	40
5	<input type="checkbox"/> Required Provisions - State Contracts	45
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	51
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Check Sheet for Local Roads and Streets Recurring Special Provisions

Adopted January 1, 2017

The following LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

Local Roads And Streets Recurring Special Provisions

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SPECIAL PROVISIONS FOR CITY OF ST CHARLES TYLER ROAD WATERMAIN IMPORVEMENTS

The following Special Provisions supplement the Illinois Department of Transportation's (IDOT) "Standard Specifications for Road and Bridge Construction," adopted April 1, 2016, (hereinafter referred to as the "Standard Specifications"); the "Standard Specifications for Water and Sewer Construction in Illinois"; the "City of St. Charles Engineering Design and Inspection Policy Manual"; the "Manual on Uniform Traffic Control Devices for Streets and Highways" in effect on the date of invitation for bids, and the "Supplemental Specifications and Recurring Special Provisions," latest edition as indicated on the Check Sheet included herein which apply to and govern the Tyler Road Watermain Improvements, City of St. Charles, Kane County. In case of conflict with any part or parts of the Standard Specifications, these Special Provisions shall take precedence and shall govern.

SP-1 LOCATION OF PROJECT

Improvements are located within the City of St. Charles in Kane County, Illinois on Tyler Road from Production Drive to Munhall Avenue. The total distance of the project is 722 Lineal Feet (0.14 Miles).

SP-2 DESCRIPTION OF PROJECT

This project will include the installation of 722 feet of 12" water main by both open cut and trenchless methods. Additional work will also include asphalt patching, sidewalk replacement, parkway restoration and all other incidental and collateral work necessary to complete the project as described herein.

SP-3 REDUCTION IN THE SCOPE OF WORK

The quantities as shown on the plans or summarized herein represent a listing of the work to be completed under the contract. However, if necessary due to budgetary constraints, the awarding authority reserves the right to reduce the scope of work to be completed under the contract in accordance with Article 104.02 of the Standard Specifications. No allowance will be made for delays or loss of anticipated profits as the result of a decrease in the quantities of work to be performed.

SP-4 MAINTENANCE OF ROADWAYS

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that the Contractor begins work on this project, he 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 for 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.

SP-5 CONSTRUCTION SCHEDULE

At the preconstruction conference, the Contractor shall meet with the City and the Engineer and present, in writing, a detailed construction schedule. Said schedule shall contain such information as the Engineer deems necessary, including construction sequencing and dates for starting and completing construction operations, location of off-site disposal areas, access routes to be used and location of equipment and material storage sites. Once approved, the Contractor must adhere to the schedule so

that field markings of all items of work may proceed in advance of actual construction.

The Contractor shall confirm with the Engineer the scheduled commencement of each construction activity **at least four days in advance** to allow for proper notification of residents and motorists. The principle activities requiring public notification are commencement of utility repairs, curb and driveway removal and replacement, surface milling, roadway reconstruction, application of prime coat and HMA paving.

SP-6 MATERIAL STORAGE

The Contractor shall not deliver and/or store any material on the project site more than one week in advance before commencing with his work. Only non-paved portion of the street may be used for any material storage. Any required pavement repair and parkway restoration (sod), due to the damage because of materials storage, shall be borne by the Contractor and shall be included in the lump sum cost of MOBILIZATION. Mobilization will be paid for once, regardless of the number of times the contractor is required to mobilize. No storage of materials or equipment is allowed within the floodplain.

SP-7 NOTIFICATION OF WORK

The Contractor shall notify the City of St Charles, City Engineer 48 hours prior to commencement of all items of work.

SP-8 CONSTRUCTION OPERATIONS

In order to minimize the effect of construction noise during the improvement, the Contractor and his subcontractors shall comply with the following requirements. Any changes to the schedule will not be accepted unless approved by the Engineer.

- All engines and engine driven equipment used for hauling or construction shall be equipped with an adequate muffler in constant operation and properly maintained to prevent excessive unusual noises. Any machine or device or part thereof which is regulated by or becomes regulated by Federal or State of Illinois noise standards shall conform to those standards.

Construction operations including the startup of heavy equipment shall not begin before 7:00 AM Monday through Saturday. Construction operations including site cleanup, shall be completed before 7:00 PM Monday through Friday and 5:00 PM on Saturday. No work of any kind, shall be done on Sundays or holidays observed in Illinois. These time restrictions shall not apply to maintenance or operation of safety and traffic control devices such as barricades, signs and/or lighting, or construction of an emergency nature. If the Contractor requires additional time to complete a portion of the work on any given day or if he foresees the need to work extended hours for a number of days to comply with the construction schedule, he must receive approval of the Engineer.

- The Contractor shall schedule and conduct his operations so that the closure time of an existing driveway along the route of improvements is kept to a minimum. All homeowners and businesses shall be given a minimum 24-hour notice prior to initial removal of their driveway apron. The Contractor shall make every effort to keep driveways open. Refer to suggested maintenance of traffic general notes and plans for details.
- Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvements. This normal maintenance shall include all repair work deemed necessary by the Engineer. The Contractor as required by the Engineer will provide traffic control and protection for this work. The work involved in maintaining the existing pavement will not be paid for separately but at the Contract Unit Prices for the various items of work involved, unless otherwise specified elsewhere in these Special Provisions.

SP-9 SEQUENCE OF OPERATIONS

The Contractor shall coordinate his work in a manner that will cause as little inconvenience to traffic as possible. The Contractor shall work closely with City Officials, Fire and Police Departments in coordinating interruption to normal traffic and parking facilities, access to homes and businesses, and inconveniences to the public.

SP-10 APPROVAL OF SUBCONTRACTORS

The Contractor shall provide a list of the intended source of materials and the intended Subcontractor(s) to be used for the project. The City of St Charles shall approve all subcontractors to be used on the project and reserves the right to reject the use of any subcontractor due to past performance or the apparent inability to perform the item(s) of the work required.

SP-11 PROGRESS SCHEDULE AND WEEKLY REPORTING

In addition to the progress schedule submitted and approved prior to construction (Article 108.02), the Contractor will be required to submit a weekly plan of what daily work operations he/she intends to perform for each upcoming week. This report will be a continuation of the Engineer's "Weekly Report of Resident" BC 239 which will be submitted to the Contractor promptly following each week of work. The Contractor's plan should show his operations including those of all subcontractors for the seven (7) upcoming days of the week. It shall be provided to the resident engineer either in writing or email.

SP-12 DAILY PROJECT SCHEDULING

The Contractor shall telephone the Engineer every morning to inform the Engineer of daily and weekly progress and schedules.

SP-13 PUNCH LIST ITEMS

Throughout the duration of the project the Engineer shall submit periodic punch list items to the Contractor. **The City Public Works Division will also do utility inspections of work performed on public utilities. These inspections performed by the Public Works Division must be performed prior to installation of pavement surface course and sidewalk.** These items must be complete within five (5) calendar days after the Engineer notifies the Contractor of these items. Liquidated damages will be assessed if these items are not complete to the satisfaction of the Engineer within the five (5) calendar days. Punch list items and dates will be strictly enforced and documented with the Contractor via the "Weekly Report of Resident"-BC 239.

SP-14 CONTRACTOR PAYOUTS – REQUIRED SUBMITTALS

Contractor payout requests can be submitted at any time, and do not have to go through a scheduled City Council Meeting to authorize payment; as long as the Contract amount is not exceeded. Change Orders, which would cause the Contract to go above Original Contract Amount, will go through scheduled Committee and Council Meetings for approval.

Submittals required for **any** Contractor payouts, which must be received prior to release of payout, are listed below:

1. Lien Waivers from General Contractor and any Subcontractors or Vendor receiving payments from subject payout.
2. Copies of Certified Payroll for period when work was completed.
3. Sworn Statement from General Contractor.

SP-15 CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD)

The Contractor is to be aware of and comply with current State of Illinois CCDD requirements. To

facilitate meeting these requirements, the City of St. Charles will supply a signed LPC-663 form to the Contractor for this project. Neither the LPC-663, nor any provided supporting documentation shall be considered a guarantee that excavated material will meet the State of Illinois CCDD requirements, or any more restrictive requirements of specific CCDD facilities, and the Contractor will be required to properly and legally dispose of all material from the project site, regardless of its suitability for disposal in a CCDD facility, at his expense.

All disposal sites shall be licensed by the State of Illinois. Proof of licensure shall be provided to the City prior to the Contractor mobilizing on site. The contractor shall verify that the CCDD site being utilized will accept the material based on the LPC-663 form. If the CCDD site selected by the Contractor will not accept the material based on the LPC-663 form provided by the City, the Contractor will be responsible for any requirements necessary for the proper and legal disposal of the property, either at another CCDD facility or at a landfill, at no additional cost to the City.

In the event a CCDD facility rejects one or more loads of material, the Contractor shall be responsible for the disposal of the material in a landfill, and shall provide the City with documentation of legal and proper disposal. The contractor shall be responsible to perform any required additional testing, hauling, double-handling, etc., at no additional cost to the City.

SP-16 DUST CONTROL – HAULING EARTH, GRANULAR MATERIALS OR WASTE MATERIAL

In addition to the general requirements of Section 107 of the Standard Specifications, the Contractor shall be required to prepare a plan for pavement cleaning and dust control for this project. A detailed plan outlining specific wetting, tarping, and/or cleaning procedures, or similar dust control methods is to be submitted for approval at the preconstruction meeting.

As required by Chapter 95 1/2, paragraphs 15-109 and 15-109.1 of the Illinois Vehicle Code, no blowing or spillage of material will be allowed during the hauling operations. The specific preventative measures proposed by the Contractor are to be included in the dust control plan.

If, in the opinion of the Engineer, excessive dust is produced during the hauling operations, the hauling shall stop until corrective action is taken. Dust control shall be considered included in the cost of the MOBILIZATION.

SP-17 COMPLETION DATE(S) OF PROJECT

Construction is scheduled to begin upon the proper execution of the contract documents which includes the submission of insurance and bonds, or within two weeks of notice to proceed.

- Work shall not start any earlier than, **July 31, 2017**.
- The substantial completion of all work, contract terms and safely open the roadway to all traffic by 11:59 PM on **August 31, 2017**.
- Final completion for all other ancillary work, including minimal landscaping restoration, shall be completed and ready for final acceptance and payment on or before **September 10, 2017**. Failure to comply with the deadlines for the substantial completion and final completion shall result in the enforcement of liquidated damages in accordance with Section 108.05 and 108.09 of the Standard Specifications, along with all fees required for extended need for resident engineering services.

SP-18 UTILITY LOCATIONS

The Contractor must exercise extreme caution while working around existing utilities. The Contractor shall notify JULIE (1-800-892-0123), a minimum of 48 hours commencing construction for utility locations within the scope of the project. It is recommended that the Contractor conduct a joint utility meet. It is the responsibility of the Contractor to contact agencies who may or may not be part of the JULIE system to obtain the horizontal and vertical field locations of their facilities within the limits of the proposed improvements.

The City of St Charles does not guarantee the accuracy or completeness of this information. The Contractor shall make his own investigation to determine the existence, nature, and location of all utilities lines and appurtenances within the limits of the improvement. The Contractor shall locate all utilities far enough in advance to avoid all conflicts in grade separation, between the proposed improvements. If the Contractor encounters a conflict between the proposed improvements and existing utilities that was not located in advance by the Contractor, then the Contractor shall, at no cost to the City of St Charles, relocate the proposed improvements and/or the utility to avoid conflict.

The Contractor will be required to cooperate with all utility companies involved in connection with the removal, temporary relocation, reconstruction, or abandonment by these companies of any and all services or facilities owned or operated by them within the limits of this improvement.

Before doing any work which will damage, disturb or leave unsupported or unprotected any utility lines or appurtenances encountered, the Contractor shall notify the prospective Owner thereof, who will make arrangements for relocating, adjusting or otherwise maintaining or abandoning service on lines that fall within the limits of the proposed construction without cost to the Contractor, including the removal of all cables, manhole covers and other appurtenances which the Owner desires to salvage. After such arrangements have been made, the Contractor will proceed with the work as directed by the Engineer. All utility lines and appurtenances, which are abandoned by the Owner, shall be removed and disposed of by the Contractor.

The Contractor shall be responsible for facilitating prompt and timely removal, relocation, reconstruction, or abandonment of their facilities by all utility companies involved, and the coordination of his work with these companies to the end that work on this improvement is not delayed because of necessary changes in the existing utilities, public or private.

No extra compensation will be allowed to the Contractor for any expenses incurred by complying with these requirements or because delay, inconvenience or interruption in his work resulting from the failure of any utility company to remove, relocate, reconstruct, or abandon their services.

SP-19 MATERIAL CERTIFICATION

The manufacturer and/or supplier of all materials used on the job site shall certify in writing to the Engineer that inspections and tests have been made and the results thereof comply with the requirements of the Standard Specifications and/or the Special Provisions.

SP-20 MOBILIZATION

This work shall be in accordance with Section 671 of the Standard Specifications, and shall include any/all items listed in these special provisions or as shown on the plans that are; considered incidental to the work; or are specifically included in the cost for MOBILIZATION per the special provisions; or which do not have a separate pay item, but which are necessary for the completion of the work.

This work shall be paid for at the lump sum price for MOBILIZATION in accordance with article

671.02.

SP-21 RESIDENT AND BUSINESS NOTIFICATION

The Contractor shall be responsible for delivery of notification letters (supplied by the City) to all residents and businesses affected by each phase of construction (utility work; driveway removal; street patching, parkway restoration, etc.) at least 24 hours, but not more than 72 hours, prior to commencement of work.

This work shall be included in the cost of MOBILIZATION.

SP-22 CLEANING

The Contractor and his subcontractors by the end of the working day shall remove from the premises rubbish, waste material and accumulations and shall keep the premises clean. **The contractor shall keep the premises clean during construction to the satisfaction of the Engineer. This work shall be included in the cost of MOBILIZATION.**

SP-23 ADVANCED PUBLIC NOTIFICATION

Description: This work shall consist of furnishing, installing, maintaining, and relocating changeable message signs for various stages of construction.

The contractor shall provide notice to the public a minimum of 5 days in advance of any work that requires the closure of lanes through the use of changeable message.

Basis of Payment: This work will be paid as CHANGEABLE MESSAGE SIGN in calendar months.

SP-24 PROTECTION OF TREES AND SHRUBS

All trees shall be protected and cared for during the construction in accordance with the applicable Articles of Section 201 of the Standard Specifications and this Special Provision, with the following revisions. The Contractor shall prune all tree roots along the side of the proposed improvement, prior to digging, in the presence of the qualified Arborist (hired by the Contractor) and Engineer. All costs for root pruning and costs for the Arborists shall be paid for by the Contractor and shall be included in the cost of MOBILIZATION. No additional compensation will be allowed for root pruning or Arborist's fees.

Every effort should be made by the Contractor when working near trees and shrubs to preserve same from harm. No trees or shrubs shall be removed unless authorized in the field by the Engineer. The Contractor shall provide the Engineer notification ten (10) working days prior to the removal of any tree or shrub. The Contractor shall be responsible for damage to or loss of any tree or shrub not specifically designated to be removed.

Damage to trees limbs shall be held to a minimum. Shrubs and trees limbs shall be tied back wherever necessary to prevent their loss or damage. Wherever damage by construction equipment to limbs and branches are unavoidable, they should be pruned before starting work in accordance with Articles 201.06 of the Standard Specifications.

Small trees (less than 4 inches in diameter) and shrubs not indicated for removal which are removed or severely damaged during construction shall be replaced in kind and size by the Contractor at no additional cost to the City, Engineer, or Resident. All planting shall be done in accordance with Section 1081 of the Standard Specifications.

Damages at the rate of two hundred dollars (\$200.00) per inch of trunk diameter shall be charges against

the Contractor for unauthorized removal or destruction of any tree four (4) inches in diameter or larger. The protection and care of trees and shrubs as herein specified will be included in the cost of MOBILIZATION.

SP-25 PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION

Unless otherwise noted in the Contract Documents, the existing drainage facilities shall remain in use during the period of construction. Prior to commencing work, the Contractor, at his own expense shall determine the exact locations of existing structures that are within the proposed construction limits.

Unless reconstruction or adjustment of an existing manhole, catch basin, inlet or adjustment to the frame and grate is called for in the Contract Documents or ordered by the Engineer, the proposed work shall meet the existing elevation of these structures.

The Contractor shall take the necessary precautions when working near or above existing sewers to protect these sewers from any damage resulting from his operations. All work and material necessary to repair any existing sewers damaged due to non-compliance with this provision shall be provided, as directed by the Engineer, in accordance with Section 550 of the Standard Specifications, at the Contractor's expense with no extra compensation being allowed.

It shall be the Contractor's responsibility to direct the work and protect the facilities from damage during all construction activities.

SP-26 LOCATING STORM SEWER, SANITARY SEWER, WATERMAIN OR OTHER COMPONENTS OF CITY UTILITIES

To prevent damage and facilitate work by others, the City will promptly respond to calls requesting the location of City owned storm sewer, sanitary sewer, watermain, or other components of City utilities. Public Works forces will locate City owned underground utilities or any other components, one time for each individual system, per project or contract, as requested by the general contractor of the construction project, before or after transfer of maintenance responsibilities. Each request may involve multiple locations where separated utility systems are involved. The contractor will be required to reimburse the City of St Charles for time and material costs associated with additional locate requests.

SP-27 USE OF FIRE HYDRANTS

The Contractor shall contact the City of St. Charles Water Division to obtain a water meter and for permission to use water from existing fire hydrants. The Water Division reserves the right to restrict which fire hydrant(s) may be used. The Contractor shall use special care in opening and closing of fire hydrants following Water Division guidelines. Repairs caused by failure to comply with proper operating guidelines will be the sole responsibility of the Contractor.

SP-28 SAWING PAVEMENT, DRIVEWAY PAVEMENT, SIDEWALK, AND CURB

This work shall be performed at locations stated in the Contract Documents or as directed by the Engineer.

The Contractor shall cut the joint between the portion of pavement, driveway, sidewalk and/or curb to be removed and that to be left in place with a sawing machine to prevent spalling. This work shall be done in a manner that a straight and perpendicular joint will be secure. All saw cutting should be the full depth of the pavement, driveway, and sidewalk or curb to be removed.

It is the Contractor's responsibility to determine the thickness of the existing pavement and whether or

not it contains reinforcement. This work shall be included in the cost of the item being removed. No additional compensation will be allowed for sawing reinforcement.

SP-29 CONCRETE BREAKERS

When removing pavement, curb and gutter, shoulder, and/or other structures, the use of any type of concrete breakers, which might damage underground public or private utilities, will not be permitted. Under no circumstances will the use of a frost ball be permitted. The Contractor is prohibited from breaking up concrete by dropping it on the pavement or in any other manner, which in the opinion of the Engineer may damage existing or proposed pavements or other roadway appurtenances.

SP-30 LIMITS OF REMOVAL

All pay items for removal and replacement must be field measured and marked by the Engineer prior to construction. No payment will be made for any items of work, which have been removed and/or replaced without having been field measured and marked by the Engineer. No additional payment will be made for removal and/or replacement beyond field markings unless specifically authorized by the Engineer.

SP-31 BACKFILLING OF STRUCTURES

This work shall be in accordance with the applicable portions of Article 550.07 of the Standard Specifications, herein specified and according to the plan details. Structures under pavement or within 2' of pavement, sidewalk, driveways, etc. shall be backfilled with course aggregate CA-7 (crushed limestone). This work shall not be paid for separately but shall be included in the contract unit price for the work performed on the associated structures.

SP-32 PRE-CONSTRUCTION VIDEO TAPING

The Contractor shall prepare pre-construction video documentation of all features in the areas affected by construction, including areas adjacent to the right-of-way and construction easements. All video cameras, recorders, tapes, accessories and appurtenances shall be high quality CD or DVD format equipment. Pre-construction video documentation shall consist of a series of high-resolution color audio-video tapes showing all areas affected by construction. All pertinent exterior and interior features within the construction's zone of influence shall be shown in sufficient detail to document its pre-construction condition. Features to be shown shall include but not be limited to pavements, curbs, driveways, sidewalks, retaining walls, buildings, landscaping, trees, shrubbery, fences, light posts, signs, interior features and equipment, etc. Viewer orientation shall be maintained by audio commentary on the audio track of each, videotape to help explain what is being viewed.

The pre-construction videotaping shall be completed after the initial walkthrough and two copies of the tape(s) submitted to the City of St Charles before commencing with any construction activities, including material delivery. This work shall be included in the cost of MOBILIZATION

SP-33 TRAFFIC CONTROL AND PROTECTION, SPECIAL

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans and/or referenced herein, and the Special Provisions.

This work shall include all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain and remove all traffic control devices required as indicated in the plans and contract documents, and as approved by the Engineer.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the City of St. Charles at least 72 hours in advance of beginning work, and again each time the traffic control will be modified on the project to give the City ample time to notify the motoring public.

Contractor shall supply the City with two (2) 24-hour emergency contact numbers in the event that traffic control needs to be repaired or modified after normal working hours. Said emergency contacts shall be available to arrive at the jobsite within two (2) hours of being called and shall have the authority to modify and/or repair traffic control devices as necessary to secure the jobsite and for the safety of the public.

STANDARDS:

701101-05, 701606-10, 701701-10, 701801-06, 701901-06

DETAILS:

Traffic Control and Protection for Side Roads, Intersections, and Driveways (TC-10) District
One Typical Pavement Markings (TC-13)

At no time during the work performed under this contract shall more than one lane of traffic be closed at a time. Traffic shall not be detoured unless approved in writing by the City, in which case the Contractor shall provide the City with a proposed detour plan, and furnish, erect, maintain and remove all applicable traffic control devices along the detour route. Any permits and approvals that may be required from other agencies, such as IDOT or the Kane County DOT, shall be solely the responsibility of the contractor, including any permit fees, plan preparation, etc. It is not anticipated that any full-closures or detour routes will be required for this project. If the City does approve a full closure, the contractor will be required to perform said closure during periods of low traffic volume, and will be required to open the road back to traffic during periods of higher traffic volumes. Any detours or modified working hours shall be at the sole expense of the Contractor and no additional compensation will be allowed.

Method of Measurement: All traffic control required by Section 701 of the Standard Specifications and the specific traffic control plan details, notes, and special provisions will be measured for payment on a lump sum basis.

Basis of Payment: All traffic control and protection will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL). Temporary information signing will not be paid for separately but included in the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

SP-34 CONSTRUCTION STAKING AND RECORD DRAWINGS

The Contractor shall furnish and place all construction layout stakes for this project. Competent personnel with suitable equipment shall conduct this work, supervised by a licensed Illinois Land Surveyor. The Contractor shall be responsible for having the finished work conform substantially to the lines, grades, elevations and dimensions shown on the plans.

The Contractor shall provide adequate control points to construct the individual Project elements, and shall provide the Engineer with adequate control in close proximity to check the compliance of the elements constructed.

The Contractor shall record all field notes in standard survey field notebooks and those books shall become the property of the Owner at the completion of the Project. All notes shall be neat, orderly and in an accepted format.

Prior to final payment and within 28 calendar days of substantial completion, the Contractor shall provide the Owner with record drawings showing the locations and elevations of all constructed storm sewer manholes, catch basins, inlets, valve vaults, access boxes, water and sewer service lines, and any other structures or pipes defined by the Engineer as part of the project. Full-sized (22"x34") paper copies of electronically-generated record drawings are required. Digital copies of as-built drawings must also be provided. All work related to generating the as-built drawings shall be supervised by a licensed Illinois Land Surveyor.

Basis of Payment: This work will be paid for at the contract lump sum price for CONSTRUCTION STAKING AND RECORD DRAWINGS, which price shall be payment in full for the work as specified herein.

SP-35 CHAIN LINK FENCE REMOVAL AND REPLACEMENT

This work shall consist of removing chain link fence at various locations as shown on the plans and as directed by the Engineer. The Contractor shall remove all underground post materials and foundations at no additional cost. Fences and posts shall be salvaged or replaced in kind if damaged in the removal process until reinstallation occurs. Fasteners, wire supports, concrete post bases, etc. as may be necessary to furnish a complete re-installation shall be supplied by the Contractor. Installation shall conform to the minimum standards of the Chain Link Fence Manufacturer's Institute or as otherwise approved by the Engineer.

Method of Measurement: This work shall be measured for payment per lineal foot of fence removed.

Basis of Payment: This work shall be paid for at the contract unit price per foot for CHAIN LINK FENCE REMOVAL AND REPLACEMENT, which price shall be payment in full for the work as specified herein.

SP-36 ABANDON EXISTING WATERMAIN

After final inspection of the new main, and upon notice from the Engineer, the Contractor shall abandon in-place, the existing water main system that has been replaced by the work performed in this contract.

The exposed ends of all abandoned water main pipes shall be plugged with either a minimum of six inches of concrete, eight inches of brick and mortar, or mechanically capped where specified. Remaining live stubs of watermain not being abandoned shall be mechanically capped unless otherwise approved by the City. A Representative of the City Water Division shall witness the abandonment.

Abandoned valves shall be closed and the respective valve boxes broken down to a minimum of three feet below grade. Valve vaults shall be broken down to a minimum of three feet below grade, backfilled with CA-7 Crushed Stone, Class A, and compacted to grade. Any valve deemed salvageable by the Engineer shall be removed and transported to the City's Public Works Building. Water main stubs shall then be plugged or capped in the manner described above.

Basis of Payment: This work shall be paid for at the contract lump sum for ABANDON EXISTING WATER MAIN, which price shall include all costs for exposing, cutting, plugging and capping of main, removal and delivery of valves and abandonment, demolishing and back-filling of boxes

and vaults, and any restoration of surrounding existing conditions not otherwise specified on the plans.

SP-37 DUCTILE IRON WATER MAIN PIPE (TYPE AND SIZE SPECIFIED)

Water main pipe materials and installation shall meet all of the applicable requirements of the Standard Specifications for Water and Sewer Construction in Illinois, and the following standards:

Ductile Iron Pipe (DIP) - ANSI/AWWA - C151/A21.51,
 ANSI Class 52
 Cement Lined ANSI/AWWA - C104/A21.4

The coupling of these water main pipes shall meet the requirements of the following standards:

Compression (push-on) rubber gasket joints in accordance with ANSI/AWWA C111/A21.11.

Locking rubber gasket joints in accordance with ANSI/AWWA C111/A21.11.

Fittings shall be cast iron or ductile iron conforming to ANSI/AWWA C110/A21.10 or ANSI/AWWA C153/A21.53. The joints shall be either mechanical or push-on conforming to ANSI/AWWA-C111/A21.11 for rubber-gasket joints. All nuts and bolts used for jointing of sections, including valves and hydrants, shall be stainless steel, Grade 304 bolts, and Grade 316 nuts, unless shown otherwise on the plans.

All mechanical thrust restraints installed shall be "Meg-A-Lug" or "Meg-A-Lug"-type restraint systems with "cor-ten" bolts. (Solid Precast Concrete thrust blocks may be placed in addition to mechanical thrust restraints in select locations as described elsewhere in these provisions).

Brass wedges shall be installed to provide electrical conductivity.

At a minimum, Type 3 laying conditions shall be provided, conforming to AWWA Standard C-600.

Unless otherwise shown on plans or directed by the Engineer, all ductile iron water main pipes shall be installed without granular or concrete cradles. Although bell holes may not be required, the trench bottom shall be excavated and shaped such that the pipe is uniformly supported over its entire length. The pipe shall be installed so that the entire length of pipe shall have full bearing. No blocking shall be used to adjust the pipe to grade except in conjunction with concrete thrust blocking or encasements. Laying of water main pipe shall be accomplished to line and grade in the trench only after it has been completely de-watered and the bedding is free of mud, loose silt, or gravel. All foreign material shall be kept out of the pipe. All pipe laid shall be retained in position such to maintain joint closure, alignment, and grade until sufficient backfill has been completed to adequately hold the pipe in place.

All trenches and excavations beneath or within two feet (2') of pavement, curb and gutter, sidewalks and driveways, or as otherwise shown on plans or as directed by the Engineer in the field, will require aggregate trench backfill of the type indicated on the plans. CA-6 and CA-7 aggregate materials used as trench backfill shall be crushed stone, Class A, and meet the requirements of the Standard Specifications. Aggregate trench backfill shall extend from 1' above the pipe to the bottom of the first layer of new bituminous asphalt patch material.

Backfill shall be placed in 8" lifts and compacted by vibrating plate or other mechanical compacting device

in a manner consistent with the Standard Specifications, to ensure that no future settlement occurs. CA-7, where indicated on the plans, shall be compacted so as to consolidate the material and provide sound bearing. CA-6, where indicated on the plans, shall be compacted to 95% of the Standard Proctor Density.

All backfilling shall be done in accordance with Section 20-4.06 of the Water and Sewer Specs. Specifically, all trenches and excavations other than those shown on the plans or designated by the Engineer to receive trench backfill, shall be backfilled by any acceptable method which will not dislodge or damage the pipe, or cause bridging action in the trench. Spoil material may be used as backfill in turf areas unless shown otherwise on the plans. In turf areas, CA-7 crushed stone, Class A, shall be used to a height of one (1) foot above the top of the pipe, and the balance of the backfill may be approved excavated material.

At the end of each work day, the end of installed water main pipe shall be protected and the excavation backfilled. No excavation or trench shall be left open overnight.

The following specific items shall be considered incidental to water main pipe installation and shall be included in the contract unit price for DUCTILE IRON WATER MAIN PIPE:

1. Removal and disposal of all surplus trench excavation from site;
2. Excavation for and placement of granular bedding and encasement material when shown on the plans and/or ordered by the Engineer;
3. Support of trenches, including any necessary bracing or shoring;
4. De-watering of trenches or any excavation;
5. Adjustment to horizontal and vertical alignment due to utility conflicts;
6. All backfilling (including furnishing and installation of aggregate trench backfill); and
7. All fittings, thrust blocking, and other appurtenances necessary for a complete installation.

Basis of Payment: This work will be paid for at the contract unit price per FOOT for DUCTILE IRON WATER MAIN PIPE (TYPE & SIZE SPECIFIED).

SP-38 POLYETHYLENE ENCASEMENT

This work shall consist of encasing the entire length of ductile iron water main to be installed under this contract. All new ductile iron water mains shall be encased in a high density polyethylene tube, according to the materials and methods outlined in ANSI/AWWA C105/A21.5 and ASTM A674, using installation method A.

Basis of Payment: Polyethylene Encasement shall be considered INCIDENTAL to Ductile Iron Water Main Pipe installation, and no additional compensation will be allowed the Contractor.

SP-39 PVC WATER MAIN PIPE [HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD]

Qualifications: This work shall be performed by a contractor with a minimum of five (5) years of experience in the Horizontal Direction Drilling (HDD) method of installing potable water main. If requested by the City, Contractor shall provide references for three similar HDD projects, completed by Contractor within the past five (5) years, with contact information for the owner/owner's representative for each project. Failure to provide such information upon request, to the satisfaction of the City, may be grounds for the disqualification of Contractor's bid.

Description: All work shall conform to the most up-to-date ASTM and AWWA Standards for Horizontal Directional Drilling (HDD). This item shall include all work necessary for the installation of potable water main pipe at the location and depth called out on the plans via horizontal directional drilling methods.

Installation of the pipe via HDD shall include, but may not be limited to, the following items:

1. Any further site and/or soil investigations beyond the analysis provided in the Geotechnical Soil Report by Testing Service Corporation, dated March 27, 2017
2. All equipment, materials, and labor to install the pipe
3. Excavation and sheet piling/shoring/bracing for any drilling pits, including any structural design as may be required. Under no circumstances shall pits be so large that the curb & gutter or pavement of Tyler Road is impacted or undermined.
4. Dewatering/pumping of drilling pits
5. Transportation and storage of water required for drilling and hydrostatic testing
6. Removal and proper disposal of spoils generated from the HDD operation, including drilling fluid. Storage of excavated materials or drilling fluid on the project site shall not be allowed.
7. Removal of sheet piling/shoring/bracing and backfilling drilling pits with original spoils or aggregate trench backfill. All trenches and excavations beneath or within two feet (2') of pavement, curb and gutter, sidewalks and driveways, or as otherwise shown on plans or as directed by the Engineer in the field, will require aggregate trench backfill of the type indicated on the plans. CA-6 and CA-7 aggregate materials used as trench backfill shall be crushed stone, Class A, and meet the requirements of the Standard Specifications. Aggregate trench backfill shall extend from 1' above the pipe to the bottom of the first layer of new bituminous asphalt patch material. Backfill shall be placed in 8" lifts and compacted by vibrating plate or other mechanical compacting device in a manner consistent with the Standard Specifications, to ensure that no future settlement occurs. CA-7, where indicated on the plans, shall be compacted so as to consolidate the material and provide sound bearing. CA-6, where indicated on the plans, shall be compacted to 95% of the Standard Proctor Density.
8. Disposal of excess drilling fluid.
9. Additional length of boring necessary to install the pipe at the line and grade as shown on the plans. Only the actual length of permanent, installed pipe shall be measured for payment. Additional length of bore hole, and any excess length of material not permanently installed, shall be considered incidental.
10. Connecting pipe to proposed upstream and downstream pipes, including but not limited to all fittings, thrust blocking, restraining glands, etc.
11. Installation of tracer wire as specified below
12. Any other items not mentioned herein to complete installation of the pipe as shown on the plans

At Contractor's option, pipe specified on the plans to be installed using HDD may be installed by the open cut method if approved by the City. However, any pipe shown to be installed by HDD will be paid for as PVC WATER MAIN PIPE (HDD METHOD) regardless of the actual method of installation. Any additional work, including but not limited to excavation, disposal of spoils, trench backfill, restoration of sidewalk, grass, etc., in excess of what is shown on the plans, shall be at Contractor's expense. No additional removal and replacement of pavement or curb & gutter, in excess of what is shown on the plans, shall be allowed without written approval of the City.

Prior to commencing directional drilling, the Contractor shall submit to the Engineer details of equipment and detailed working drawings describing the proposed method of directional drilling. This shall include arrangement of equipment, location and size of drilling and receiving pits, method of dewatering (including a detailed pumping plan with adequate sediment control measures employed), method of removing spoils material, size carrier pipe (if required), method of fusing/joining pipe segments, tracer wire and grounding system details and specifications, carrier pipe end seals (if applicable), support segments, and method of abandonment of pilot hole. The project is located in the vicinity of a drainage ditch and regulatory floodplain; therefore, a frac-out contingency plan must also be submitted prior to commencing work. Sufficient material shall be submitted to show compliance with the Contract Documents and to show that articles proposed for use in the work are acceptable.

Inspection: The Contractor will at all times provide and maintain instrumentation which will accurately locate the pilot hole and measure drilling fluid flow discharge rate and pressure. The Engineer will have access to these instruments and readings at all times.

Pipe Material: PVC pipe meeting the requirements of AWWA C900 shall be used for HDD, with a minimum pressure rating of 200 psi, and a minimum dimension ratio (DR) of 14. Contractor shall submit manufacturer's specifications, cut-sheets, and certifications for all PVC pipe material to be used, including all joints, fittings, and appurtenances. A geotechnical soil report, generated by Testing Service Corporation and dated March 27, 2017, has been provided to all plan holders. The Contractor shall submit to the City all design calculations for determining pipe type, class, and thickness based on soil conditions, longitudinal stress from pulling force, longitudinal curvature stress at point of entry and in final position, external pressure from drilling fluid, overburden, and any other variables affecting installation of the pipe at the location and depth shown on the plans. Design calculations shall be presented in a neat, readable format, with all figures, values and units included to facilitate ease of verification. Unit prices submitted with the bid shall reflect the Contractor's proposed type, class, and thickness of PVC pipe.

Joints and Fittings:

Pipe joints and fittings shall conform to ASTM D1784 Cell Class 12454, ASTM D3139 and ASTM F477. Joints and fittings shall be Certa-Lok, by North American Pipe Corporation, or approved equal.

Unloading, Handling, and Storing of Pipe: All pipes and special castings shall be unloaded and distributed along the line of work in such a manner and with such care as will effectually avoid the cracking of any pipe. Dropping pipe or fittings directly from the truck will not be permitted. No wire rope, chains or hook shall be used for the handling of pipe. Slings of rubber or fabric belting shall be used for this purpose. Pipe shall be stored on a flat surface so that the barrel is evenly supported. Pipe shall not be stored in piles higher than 4 feet.

Defective Pipe and Fittings: No pipe or fitting that is known to be defective shall be laid in the work. Any piece that is found to be defective after it has been laid shall be removed by the Contractor and replaced by a sound and perfect piece.

Equipment: It is the Contractor's responsibility to ensure the equipment used shall have the capacity, stability, and necessary safety features for HDD at the location called out on the plans.

Drilling Fluids: The Contractor shall submit to the City the product information, material specifications, handling procedures, special precautions required, and method of mixing and installation of the Bentonite/drilling fluid to be used. No drilling fluid shall be utilized that does not comply with all environmental regulations. A mixing system shall be employed that has the capability to molecularly shear individual bentonite particles from the dry powder to avoid clumping and ensure thorough mixing. The delivery system shall have filters to prevent solids from being pumped into the drill pipe. Connections between the pump and the drill pipe shall be relatively leak-free. Used drilling fluid and drilling fluid spilled during operations shall be contained and conveyed to the drilling fluid recycling system or shall be removed from the site. Secondary containment shall be employed around drill rigs and the drilling fluid mixing and conveyance system, entry and exit pits, and drilling fluid recycling system to prevent spills into the surround environment. Disposal of drilling fluids shall be the responsibility of the Contractor and shall be conducted in compliance with all environmental regulations, right-of-way and work space agreements. Drilling fluid returns at locations other than the entry and exit points shall not be allowed, and should be avoided to the maximum extent possible. The Contractor shall immediately clean up any inadvertent returns in accordance with the project "frac-out" plan.

Directional Tolerance: A guidance system probe or proven gyroscopic probe and interface shall be used to provide a continuous and accurate determination of the location of the drill head during the drilling operation. The guidance shall be capable of tracking at all depths up to 50 feet and in any soil or rock condition. It shall enable the driller to guide the drill head by providing immediate information on the tool face, azimuth (horizontal direction) and inclination (vertical direction). The pilot hole shall be drilled along the path shown on the Plan and Profile drawing to the following tolerances:

1. Elevations – Plus or minus six (6”) inches.
2. Alignment – Plus or minus six (6”) inches.

Tracer Wire and Grounding: A complete tracer wire and grounding system shall be installed the full length of any PVC pipe, in accordance with the manufacturer’s recommendations. Wire coating, connectors (if required) and access boxes shall be color coded for potable water (blue). Materials shall be as specified below, or approved equal.

Wire: Copper clad steel (CCS) 10 gauge with 45 mil HDPE coating. SoloShot 1045 EHS, by Copperhead Industries, LLC, or approved equal.

Connectors: Unless approved by the City in writing, tracer wire shall be one continuous length of wire with no splices. If connectors are needed, contractor shall use sealed waterproof and corrosion proof connectors rated for direct burial, with a dielectric gel sealant. SnakeBite Connectors by Copperhead Industries, LLC, or approved equal.

Access Boxes: Tracer wire shall have access boxes at each end, with lockable covers (color coded blue), to allow for easy access while preventing tampering. Access boxes in non-paved areas shall be SnakePit LD14TP-ADJ, by Copperhead Industries, LLC, or approved equal. In paved areas, access boxes shall be SnakePit RB14TP, by Copperhead Industries, LLC, or approved equal. The location of access boxes shall be approved in the field by the City prior to installation.

Grounding: Tracer wire shall be grounded using a minimum of one magnesium anode (ANO-12 by Copperhead Industries, LLC, or approved equal). Contractor shall submit grounding plan and material specifications to City for review prior to ordering materials. All grounding methods shall be installed per the manufacturer’s recommendations.

Tracer wire shall be taped to the pipe at 5 foot intervals, leaving sufficient slack to accommodate the stretching of the pipe during pull-back. At no point shall the tracer wire be installed more than 6” from the pipe, or as otherwise approved in writing by the City. Upon completion of installation, tracer wire shall be tested for continuity to provide proof of functionality to the satisfaction of the City. This test shall be performed prior to any restoration work. If connectivity does not exist and/or the tracer wire does not function to the satisfaction of the City, Contractor shall be required to install a new tracer wire at his own expense. Should the contractor desire, multiple tracer wires may be installed with the pipe to increase the likelihood that at least one of them will function satisfactorily after the drilling is complete. No additional compensation for the extra wires will be allowed.

Testing and Disinfection:

All water mains shall be tested and disinfected in accordance with the Special Provision herein for “PRESSURE TESTING” and “DISINFECTION”. Final acceptance of the lines will not be made until satisfactory tests have been passed.

Basis of Payment: This work shall be paid for at the contract unit price per **FOOT** for:

PVC WATER MAIN PIPE, (SIZE, MATERIAL SPECIFIED) [HDD METHOD],

Unit prices shall include all labor, material, and equipment necessary to complete the work, including, but

not limited to, all incidental work herein specified.

SP-40 STEEL CASING PIPE. (SIZE)

This work shall consist of the augering or open cut installation of casing pipe as specified and the installation of water main pipe through it. The method of installation (open cut or auger) shall be as specified on the plans. Augered casing shall be installed by dry bore and jack method (wet bore will not be permitted). Water main pipe materials and installation shall comply with all requirements of the DUCTILE IRON WATER MAIN, 12" special provisions of this document.

The casing pipe shall be a new welded steel pipe, bituminous coated, capable of withstanding a minimum force of 35,000 PSI, and shall meet the requirements of ASTM-139, Grade B. The following table shall determine the diameter size and wall thickness of the casing pipe:

CASING PIPE

Inside Diameter of Water Main Pipe	Inside Diameter of Casing Pipe	Minimum Wall Thickness of Casing Pipe
12"	22"	0.375"

The casing length shall be as shown on the plans, or as directed by the Engineer in the field, and/or shall conform to the following IEPA standards:

- a) Where the horizontal separation between the water main and any storm or sanitary sewer is less than ten feet and the bottom of the water main is less than eighteen inches above the top of the sewer; or
- b) Where the water main crosses less than eighteen inches above or any distance below a sewer.

For condition (a), the casing pipe shall extend the entire length of the above described proximity and for condition (b), the casing shall be installed for a distance of no less than ten feet to either side of the sewer. For the purpose of this special provision, open-ended culverts shall not be considered a sewer.

The installation of the casing pipe shall be a continuous operation. All joints in the casing shall be welded. Care shall be exercised when auguring to prevent the loss of soil which will create voids outside of the casing.

Stainless steel casing spacers (by Cascade Waterworks or approved equal) shall be used when installing the water main within the casing pipe. Skids shall be securely banded to the water main at frequent intervals such that the pipe is uniformly supported within the casing. Prior to backfilling, the ends of the casing pipe shall be sealed with an end boot (by Cascade Waterworks or approved equal).

The auger pits shall be large enough to accommodate all equipment; however, pits shall not be larger than twice the allowable trench width by twice the casing pipe length. Under no circumstances shall pits be so large that the curb & gutter or pavement of Tyler Road is impacted or undermined. Any bracing or shoring necessary, including any structural design as may be required, shall be included in the unit price for STEEL CASING PIPE. The pit shall be protected at all times such that safe working conditions are assured and no hazard is presented to motorists or pedestrians. Pits shall be backfilled with aggregate trench backfill as shown on the plans or as directed by the Engineer, and shall be as specified in the Special Provision herein for "Ductile Iron Water Main Pipe." The cost to furnish and install aggregate trench backfill shall be included in the unit price for STEEL CASING PIPE.

Basis of Payment: The work shall be paid for at the contract unit price per foot for STEEL CASING PIPE (SIZE), which shall include all labor, materials, and necessary equipment to complete the work in place. Water main pipe installed within the steel casing pipe shall be paid for separately as DUCTILE IRON WATER MAIN PIPE.

SP-41 THRUST RESTRAINT

Formed concrete thrust restraints may be required at fire hydrants, plugs, caps, and tees in addition to the wedge action retainer glands at fittings, as shown on the plans, or upon the specific direction of the Engineer. 3,000 PSI Portland cement concrete shall be used. The use of wood blocking, concrete blocks, stakes or clamps will not be allowed.

Basis of Payment: Thrust restraints shall be considered **INCIDENTAL** to the cost of the pipe being installed, and no additional compensation will be allowed the Contractor.

SP-42 WATER SYSTEM SHUTDOWN

All existing valves shall be turned and operated by the City's Water Division Personnel. When the Contractor desires the shutdown of an existing water main for the purpose of connection or abandonment, he shall give the Water Division and Engineer at least 24 hours' notice. The Water Division will advise the Contractor of their availability and then schedule the work.

Water shutdowns shall be performed at a time dictated by the Water Division. Generally, water may not be shut down before 9:00 a.m. or after 5:00 p.m. However, if deemed necessary by the City, to reduce impact to water customers, shutdowns may occur after normal working hours. The Contractor shall adjust his schedule accordingly, and no additional compensation for overtime, additional equipment required for night work, etc. shall be allowed.

SP-43 PRESSURE TESTING

Upon completion of the proposed water main and prior to the connection of all service lines, the water main shall be tested in accordance with the Standard Specifications for Water and Sewer Construction in Illinois, Section 41-2.14, and as required by the City Water Division. Any cracked or defective pipefitting, valves, hydrants found shall be removed and replaced with satisfactory materials and the test repeated until test results are satisfactory. Joints showing visible leaks shall be made watertight. A representative of the City's Water Division shall witness the pressure test.

Basis of Payment: This work is considered **INCIDENTAL** to the installation of the water main pipe, and no additional compensation will be given for any required re-testing.

SP-44 DISINFECTION

Upon completion of all water mains and after the results of the hydrostatic test are satisfactory, but prior to the connection of all service lines, the water main shall be thoroughly flushed and disinfected. All disinfection methods must be as required by the City of St. Charles.

All water mains shall be disinfected in accordance with Section 41-2.15 of the Standard Specifications for Water and Sewer Construction in Illinois, utilizing Sodium Hypochlorite (23%) as the chlorinating agent.

A representative of the City's Water Division shall witness disinfection of the water main.

The new section of main shall not be placed into service until the Water Division grants approval.

Basis of Payment: This work is considered **INCIDENTAL** to the installation of the water main pipe, and no additional compensation will be given for repeating any part of the disinfection procedure, should the

residual level of chlorine fail to meet the requirements.

SP-45 CONNECT TO EXISTING WATERMAIN

The City of St. Charles Water Division personnel shall turn off existing City valves necessary to perform cut-in connections. Cut-in connections shall be performed only after pressure testing, leakage testing and disinfecting of the new water main has been performed and accepted by the City. Cut-in connections will be performed under the supervision of Water Division personnel.

Basis of Payment: This work will be paid for at the contract unit price each for CONNECT TO EXISTING WATER MAIN, (NON-PRESSURE), which price shall include all labor, materials, and equipment necessary to do the work.

SP-46 FIRE HYDRANT REMOVAL AND RESET

This work shall consist of the disconnection and removal of existing hydrants during construction and the resetting of the hydrant after construction. Included in this item is the removal of the auxiliary valve and connecting water main, and securely plugging the hydrant tee. The Contractor may not remove any fire hydrant without the specific permission of the Engineer. The contractor shall keep the existing hydrant onsite in a location where no damage will occur. Should the hydrant or any part of the assembly be damaged, Contractor shall replace it in accordance with the details shown on the plans, at no additional cost.

When the hydrant is reset, the contractor shall use the existing hydrant that was removed and stored onsite. Hydrants shall be set plumb, with the nozzle and steamer connection facing the roadway. The steamer connection shall be set not less than eighteen inches (18") nor more than twenty-four inches (24") above finished grade. The installation of the fire hydrants and auxiliary valves shall be in accordance with the attached hydrant details. All auxiliary valves shall incorporate lacing rods from valve to tee.

Basis of Payment: This work will be paid for at the contract unit price each for FIRE HYDRANT REMOVAL AND RESET, which price shall include all excavation, backfilling, materials and transportation necessary to complete this item.

SP-47 LINE STOP EXISTING MAIN (SIZE)

This item shall consist of installing a temporary line stop in the existing watermain that are under pressure. Line stops shall only be used if deemed necessary and approved in advance by the City's Water Division. Prior to installing the line stop, the Contractor shall verify the actual diameter of the main at the point where the line stop will be installed. Split sleeves, fittings, and rubber glands shall conform to AWWA C110 and bolts and set screws shall be stainless steel or corrosion resistant materials.

Basis of Payment. This work will be paid for at the contract unit price per each for LINE STOP EXISTING MAIN (SIZE SPECIFIED), which will include all excavation, backfill, tapping equipment, fittings, split sleeves, rubber glands and any joint accessories for a complete line stop installation.

SP-48 VALVE IN VAULT, 5' DIAMETER

Water main valves shall meet all of the requirements of the following standards as reissued and published on or before the date of this contract:

- Rubber-Seated Butterfly Valves - AWWA C504
- Resilient-Seated Gate Valves - AWWA C509
- Resilient-Seated Gate Valves for Pressure - AWWA 6500
- Side Tapping or Pressure Insertion - AWWA C509

All valves shall have the name, monogram, or initials of the manufacturer cast thereon. The Contractor shall submit to the Engineer the Manufacturer's specifications for the valves he intends to use on this project. All valves shall contain factory installed Grade 316 stainless steel nuts and Grade 304 bolts, unless otherwise shown on the plans. All valves shall be furnished with mechanical joints conforming to ANSI/ANWA- C111/A21.11.

Valves for water mains eight (8) inches in diameter or larger shall be Resilient-Seated gate valves (Clow Corporation, Waterous Company, or approved equal) and installed in a five-foot diameter Type A vault with a standard cone section.

Pressure side-tapping Resilient-Seated gate valves shall be installed in a Type A vault with an offset cone section unless otherwise noted. Pressure insertion Resilient-Seated gate valves shall be installed in a Type A vault with a standard cone, five-foot diameter vault for mains ten inches in diameter or larger.

All vaults shall be equipped with a Type 1 frame and lid with the word "WATER" cast in the lid. The pick holes shall be of the large size per IDOT Standard 604001. All lift holes and holes around the water main shall be completely sealed with mortar inside and out. All joints between vault sections and between adjustment rings shall be completely sealed with mastic only, as directed by the Engineer.

Gate Valves, 3" diameter or larger, used to reconnect 3" or larger water services shall be paid for as valves and not as water service reconnection devices.

All valve vaults beneath or within two feet (2') of pavement, curb and gutter, sidewalks and driveways, or as otherwise shown on plans or as directed by the Engineer in the field, will require aggregate trench backfill of the type indicated on the plans. CA-6 and CA-7 aggregate materials used as trench backfill shall be crushed stone, Class A, and meet the requirements of the Standard Specifications. Backfill shall be placed in 8" lifts and compacted by vibrating plate or other mechanical compacting device in a manner consistent with the Standard Specifications, to ensure that no future settlement occurs. CA-7, where indicated on the plans, shall be compacted so as to consolidate the material and provide sound bearing. CA-6, where indicated on the plans, shall be compacted to 95% of the Standard Proctor Density.

Basis of Payment: This work will be paid for at the contract unit price each for (SIZE) VALVE IN VAULT (SIZE), which price shall include all excavation, bedding, backfill, blocking, and tapping sleeve or anchor clamps where applicable.

SP-49 EROSION AND SEDIMENTATION CONTROL

Throughout each and every phase of the project, all downstream ditches and storm sewers shall be protected from the run-off of roadway surfaces, excavations, and other construction activities generating the movement of dirt, mud, dust and debris. This work shall consist of constructing temporary erosion and sedimentation control systems as shown on the plans or as directed by the Engineer. The work shall be placed by methods and with materials in accordance with Sections 280, 1080 and 1081 of the Standard Specifications, except as amended herein, and shall meet all of the requirements of the Illinois Urban Manual, including the latest updates of any applicable standard drawings and practice standards. Depending on Contractor's means and methods, additional erosion and sediment control devices above and beyond those shown on the plans may be necessary. Any modifications to the erosion control as shown will be the responsibility of the contractor and no additional compensation will be allowed, including installation, maintenance and removal of any/all necessary erosion and sediment control measures.

All surface runoff shall be protected from erosion and sedimentation by the installation of silt fence; straw bales shall not be used. Piles of excavated material are not allowed to be stored onsite. Storm sewer inlet

structures or manholes shall be protected by temporary placement of filter baskets.

Erosion and sedimentation control measures as indicated in the Erosion Control Plan, or as directed by the Engineer shall be installed on the project site prior to beginning any construction activities which will potentially create conditions subject to erosion. Erosion control devices shall be in place and approved by the Engineer as to proper placement and installation prior to beginning other work. Erosion control protection for Contractor equipment storage sites, plant sites, and other sites shall be installed by the Contractor and approved by the Engineer prior to beginning construction activities at each site. If erosion control items are needed to be replaced or repaired due to construction activities of each Contractor following the installation of initial erosion and sediment control items, these items shall be incidental to each Contractors' overall contract work.

Silt Fence: Placement and maintenance of silt fence at areas designated by the Engineer. The work shall be placed by methods and materials in accordance with Sections 280 and 1080 of the Standard Specifications, except as amended herein. This shall also include the removal and disposal of silt fence immediately prior to final restoration work.

Inlet Protection: Installation, maintenance and removal (after final stabilization) of inlet filter baskets as depicted on the plans.

Dewatering: When dewatering is required, the contractor shall provide the City with a dewatering plan for review before any dewatering has begun. The City's review of said plan shall not relieve the Contractor of the obligation to provide all required sediment control for water leaving the site. Dewatering measures shall, at a minimum, employ a sediment filter bag on the end of all discharge hoses, properly sized for the flow and placed upon a level pad of washed aggregate. If required, additional measures shall be employed by the Contractor to ensure that water leaving the site is clear. These may include but are not limited to sediment basins, ditch checks, polymers, jute-lined ditches, etc. At the first sign of sediment laden or murky water leaving the site, the Contractor shall notify the City, cease dewatering operations, and shall modify the plan to supplement the sediment control measures already in place until the water leaving the site is clear.

Any discharge of sediment, sediment laden water, or other materials into the storm system or receiving waters, whether intentional or unintentional, shall be the responsibility of the Contractor. Contractor shall act immediately to begin clean-up and remediation of any and all damage resulting from the discharge of any sediment or other materials downstream.

Basis of Payment: This work shall be paid for at the contract unit price per each for INLET PROTECTION, and per foot for SILT FENCE. Dewatering shall not be paid for separately, but shall be incidental to the item of work being installed.

SP-50 PARKWAY RESTORATION, SPECIAL

This item shall be done in accordance with the applicable portions of Sec. 252 of the Standard Specifications and the following provisions.

This work shall consist of the excavation, placement of topsoil and sodding of the parkway and other disturbed grassed areas during the course of construction or as directed by the Engineer.

All topsoil to be used for parkway restoration shall be obtained from outside the limits of this improvement, transported to the site and placed at required locations to a minimum depth of 4". All materials shall meet the requirements of Art. 1081.05 of the Standard Specifications. All placement of topsoil shall meet the requirements of Sec. 211 of the Standard Specifications.

All sod shall be Salt Tolerant, and shall meet the requirements of Art. 1081.03 of the Standard Specifications. All placement of sod shall meet the requirements of Sec. 252 of the Standard Specifications.

For that period prior to full parkway restoration, the Contractor shall backfill and grade all disturbed areas so as to insure the safety of the general public. Parkway shall be left in a safe, clean and usable condition conducive to foot traffic and to the satisfaction of the Village. The Contractor shall protect these unfinished areas against erosion and work to keep them weed free.

Sod shall be watered in accordance with the Standard Specifications. Additional water as may be necessary for proper establishment of sod shall be considered incidental. Any sod not alive at the end of the spring season in the year after which it is planted shall be replaced by Contractor at no additional cost, and shall be watered and cared for until it has survived for one growing season or until the City is satisfied that the sod has adequately been established.

Basis of Payment: This work will be paid for at the contract unit price per square yard for PARKWAY RESTORATION, SPECIAL, which price shall be payment in full for any grading necessary, the furnishing, transporting and placement of all topsoil and sod and the full watering of sod. Unless otherwise directed by the Engineer, restoration of disturbed parkways outside the limits of improvement or beyond that shown on the plans will not be measured for payment, but shall be considered incidental to the contract.

SP-51 CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

The work shall be done in accordance with applicable portions of Sections 351, 440, and 606 of the Standard Specifications and per City details, except as herein modified.

This work shall include the removal and replacement of all new curb and gutter. Curb and gutter shall match existing type and size, except at sidewalk ramps where depressed curb shall meet all City, State and Federal (ADA) requirements. All curb shall have continuous reinforcement of two (2) #4 rebars.

Any pavement area adjacent to the curb and gutter not designed to be removed, which is removed, damaged or otherwise disturbed during construction operations, shall be restored to the satisfaction of the Engineer. The restoration will not be paid for separately but shall be included in the cost of curb and gutter removal and replacement.

The Contractor must schedule the removal of the curb and gutter such that only one side of a given street will be under construction at any one time unless approved by the Engineer. All homeowners and businesses shall be given a minimum of 24 hours' notice prior to removal of curb and gutter adjacent to the driveway. Within the project limits, in no case shall an open excavation caused by removal of existing curbing, whether formed or not formed remain open for more than **3 calendar days** unless approved by the Engineer. The Engineer shall assess liquidated damages of \$1000 per day for each day after the 3 calendar days has passed without approval for a time extension.

The type of replacement concrete curb and gutter shall match the existing curb and gutter or be of the type specified on the plans or as directed by the Engineer. The thickness of the proposed gutter shall match the thickness of the adjacent pavement, but in no case less than ten (10) inches. The proposed curb and gutter shall be constructed to a grade established by the Engineer at the time of construction. The Engineer must approve forming methods for pouring the curb and gutter. The use of the existing edge of pavement for HMA roadways shall not be considered a proper forming method for placement of P.C.C. material.

Any excavation required to construct the proposed curb and gutter to the proper elevation including excavation to subgrade for placement of four (4) inches of aggregate base course (CA-6 or approved equal), shall be included in the contract unit price for CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT. Any excavated material by the Contractor for forming purposes shall be included in this pay item. Any excavated material shall be properly disposed of at a suitable off-site location.

If the existing base is soft or unsuitable, the Contractor shall remove the existing base and provide compacted granular material (CA-6 or approved equal) as required to provide a stable sub base.

The proposed curb and gutter shall be depressed across all handicapped ramps, driveways and/or directed by the Engineer. Placement of depressed curbing for private walkways or carriage walks shall not be permitted.

Expansion joints shall be installed at 60' intervals and at all points of curvature where the radius is less than 100'. Contraction joints shall be formed at 15' intervals. Contraction joints shall be formed by saw cutting to a depth of at least two inches (2"). A keyed construction joint shall be placed at all locations of adjacent sidewalk (refer to City detail for specifications).

Two (2) drilled, epoxy coated, and grouted reinforcing bars or expansion tie anchors shall be used to tie the proposed curb and gutter to the existing curb and gutter. Furnishing and installing the expansion tie anchors or drilled and grouted reinforcing bars shall not be paid for separately, but shall be included in the contract unit price for CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT.

All exposed concrete shall receive a protective surface treatment consisting of two (2) coats of boiled linseed oil and petroleum spirits mixture, formulated and applied according to Article 420.18 of the Standard Specifications. If an application of sand is required by the Engineer for blotter material, it will be considered incidental to this work. The application of both coats shall be witnessed by the Engineer. The Engineer shall be notified 24 hours in advance prior to application. Protective surface treatment shall not be paid for separately but shall be included in the cost of the concrete item provided.

Where voids occur between the existing pavement to remain and proposed curb any loose material shall be removed to the satisfaction of the engineer and it shall be backfilled with concrete to above the elevation of the proposed milled surface course and is considered included in the cost of the pay item.

This work shall be paid for at the contract unit price per foot for CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, which price shall include all labor, materials, equipment, protective coat, backfill and incidentals necessary to complete the work as described above.

SP-52 PAVEMENT PATCHING, FULL DEPTH

This work shall consist of pavement patching over trenches for the installation of utilities, of the type and depth specified on the plans and in the contract documents. This work shall be performed as per Section 442 of the Standard Specifications, except as herein modified.

Piles of excavated material are not allowed to be stored onsite.

No additional compensation shall be given for patching that exceeds the area or depth shown on the plans without prior authorization from the City.

Basis of Payment: This work shall be paid for at the contract unit price per square yard for PAVEMENT

PATCHING, FULL DEPTH.

SP-53 ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT

This work shall be in accordance with applicable portions of sections 351, 406, and 440 of the Standard Specifications, except as herein modified.

This work shall include removal of existing driveways regardless of the material to be removed.

This work shall include, at a minimum, placement of six (6) inches of aggregate base course under three (3) inches of HMA surface course. If the existing base is soft or unsuitable, the Contractor shall remove the existing base and provide compacted granular material (CA-6 or approved equal) as required to provide a stable subbase.

Basis of Payment: This work shall be paid for at the contract unit price per square yard for ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT.

SP-54 SIDEWALK REMOVAL AND REPLACEMENT, PCC 5"

The work shall be done in accordance with applicable portions of Sections 351, 424, and 440 of the Standard Specifications, except as herein modified.

This work shall include the removal of existing PCC sidewalk and subbase and construction of new Portland cement concrete sidewalks at locations as shown on the plans and/or as directed by the Engineer. The work shall include the removal of soil to provide for the placement of four (4) inches of aggregate base course (CA-6 or approved equal) and placement of new Portland cement concrete sidewalk.

Any excavation required to construct the proposed sidewalk and aggregate base course to the proper elevation, and the excavation required for forming purposes, shall be considered incidental to the pay item. Excavated material shall be disposed of at a suitable off-site location. Any damage to existing sidewalks, curbs or driveways remaining in place due to forming methods or removal operations shall be replaced to the satisfaction of the Engineer at the Contractor's own expense. If the sub base material is soft or unsuitable, the Contractor shall remove unsuitable material and provide compacted granular material (CA- 6 or approved equal) as required to provide a stable sub base.

All new construction or reconstruction projects are required to utilize truncated domes to meet the current ADA standards of which may include, but not limited to, all pedestrian curb ramps, medians, pedestrian refuge islands, at-grade railroad crossings, alley and commercial drive crossings (either at-grade or curb ramps) with traffic control devices, or other locations that pedestrians are required to cross a hazardous vehicular way or as determined by the Engineer.

Use of inserted truncated dome plates, conforming to Federal Standard Color 30166 and consisting of vitrified polymer composite detectable tactile warning system in conformance with ADAAG and PROWAG shall be used at all appropriate locations, and shall be paid for at the contract unit price per square foot for DETECTABLE WARNINGS. No surface mounted plates shall be allowed. The Contractor shall be responsible for proper ADA sidewalk ramps. Any non-conforming work will be removed and replaced by the Contractor with no additional compensation.

Expansion joints shall be placed where the sidewalk abuts existing sidewalk, curbs and between concrete driveway pavement. The minimum slab thickness for sidewalks shall be 6 inches through driveway limits and 5 inches for all other public walkways unless otherwise noted by the Engineer or shown on the plans.

All exposed concrete shall receive a protective surface treatment consisting of two (2) coats of boiled linseed oil and petroleum spirits mixture, formulated and applied according to Article 420.18 of the Standard Specifications. If an application of sand is required by the Engineer for blotter material, it will be considered incidental to this work. The application of both coats shall be witnessed by the Engineer. The Engineer shall be notified 24 hours in advance prior to application. Protective surface treatment shall not be paid for separately but shall be included in the cost of the concrete item provided.

The excavation, aggregate base course replacement or fill, earthwork, bedding, curing/sealing compound necessary to complete the sidewalk is considered incidental to the pay item. Where grading (filling, cutting or shaping), is required adjacent to the sidewalk, it shall be considered included in the cost of the pay item.

This work shall be paid for at the contract unit price per square foot for SIDEWALK REMOVAL AND REPLACEMENT, PCC, 5", and unit price per square foot for DETECTABLE WARNINGS.

SP-55 UPRR REQUIREMENTS

Contractor shall, at all times during the life of this agreement, adhere to all requirements of the Union Pacific Rail Road (UPRR) for work within or adjacent to their right-of-way as it relates to this agreement. This includes, but may not be limited to, the procurement and maintenance of additional insurance, any modifications or additions to Contractor's existing insurance policies and coverages, inclusion of the UPRR as an additional insured, training or certification of workers, additional safety precautions, signage or equipment, the procurement or provision of flaggers and/or inspectors, and any other requirements or conditions of the permit to perform work within the UPRR right-of-way.

Basis of Payment: This work shall not be paid for separately, but shall be included in the unit price for MOBILIZATION.

Kane County Prevailing Wage for July 2015

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	==	===	=	=====	=====	=====	===	===	=====	=====	=====	=====
ASBESTOS ABT-GEN		ALL		39.400	39.950	1.5	1.5	2.0	13.98	11.28	0.000	0.500
ASBESTOS ABT-MEC		BLD		36.340	38.840	1.5	1.5	2.0	11.47	10.96	0.000	0.720
BOILERMAKER		BLD		47.070	51.300	2.0	2.0	2.0	6.970	18.13	0.000	0.400
BRICK MASON		BLD		43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
CARPENTER		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
CEMENT MASON		ALL		43.000	45.000	2.0	1.5	2.0	10.00	18.27	0.000	0.500
CERAMIC TILE FNSHER		BLD		36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000	0.770
COMMUNICATION TECH	N	BLD		36.360	38.460	1.5	1.5	2.0	12.27	10.25	0.000	0.640
COMMUNICATION TECH	S	BLD		38.620	40.720	1.5	1.5	2.0	10.19	10.81	0.000	1.350
ELECTRIC PWR EQMT OP		ALL		37.890	51.480	1.5	1.5	2.0	5.000	11.75	0.000	0.380
ELECTRIC PWR EQMT OP		HWY		39.220	53.290	1.5	1.5	2.0	5.000	12.17	0.000	0.390
ELECTRIC PWR GRNDMAN		ALL		29.300	51.480	1.5	1.5	2.0	5.000	9.090	0.000	0.290
ELECTRIC PWR GRNDMAN		HWY		30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR LINEMAN		ALL		45.360	51.480	1.5	1.5	2.0	5.000	14.06	0.000	0.450
ELECTRIC PWR LINEMAN		HWY		46.950	53.290	1.5	1.5	2.0	5.000	14.56	0.000	0.470
ELECTRIC PWR TRK DRV		ALL		30.340	51.480	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR TRK DRV		HWY		31.400	53.290	1.5	1.5	2.0	5.000	9.730	0.000	0.310
ELECTRICIAN	N	ALL		43.750	48.130	1.5	1.5	2.0	14.66	12.31	0.000	0.880
ELECTRICIAN	S	BLD		45.950	50.550	1.5	1.5	2.0	10.57	12.87	0.000	1.610
ELEVATOR CONSTRUCTOR		BLD		50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600
FENCE ERECTOR		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
GLAZIER		BLD		40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000	0.940
HT/FROST INSULATOR		BLD		48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000	0.720
IRON WORKER		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
LABORER		ALL		38.000	38.750	1.5	1.5	2.0	13.42	10.48	0.000	0.500
LATHER		ALL		42.520	44.520	1.5	1.5	2.0	13.29	12.76	0.000	0.630
MACHINIST		BLD		45.350	47.850	1.5	1.5	2.0	7.260	8.950	1.850	0.000
MARBLE FINISHERS		ALL		32.400	34.320	1.5	1.5	2.0	10.05	13.75	0.000	0.620
MARBLE MASON		BLD		43.030	47.330	1.5	1.5	2.0	10.05	14.10	0.000	0.780
MATERIAL TESTER I		ALL		29.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.500
MATERIALS TESTER II		ALL		34.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.000
MILLWRIGHT		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
OPERATING ENGINEER		BLD 1		48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 2		46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 3		44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 4		42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 5		51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 6		49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 7		51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		FLT		36.000	36.000	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER		HWY 1		46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 2		45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 3		43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 4		42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 5		41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 6		49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 7		47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
ORNAMNTL IRON WORKER		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
PAINTER		ALL		41.730	43.730	1.5	1.5	1.5	10.30	8.200	0.000	1.350
PAINTER SIGNS		BLD		33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIIVER		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
PIPEFITTER		BLD		46.000	49.000	1.5	1.5	2.0	9.000	15.85	0.000	1.780
PLASTERER		BLD		43.430	46.040	1.5	1.5	2.0	13.05	14.43	0.000	1.020
PLUMBER		BLD		46.650	48.650	1.5	1.5	2.0	13.18	11.46	0.000	0.880
ROOFER		BLD		41.000	44.000	1.5	1.5	2.0	8.280	10.54	0.000	0.530

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	==	===	=	=====	=====	=====	===	===	=====	=====	=====	=====
SHEETMETAL WORKER		BLD		44.720	46.720	1.5	1.5	2.0	10.65	13.31	0.000	0.820
SIGN HANGER		BLD		26.070	27.570	1.5	1.5	2.0	3.800	3.550	0.000	0.000
SPRINKLER FITTER		BLD		49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550
STEEL ERECTOR		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
STONE MASON		BLD		43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
SURVEY WORKER		ALL		37.000	37.750	1.5	1.5	2.0	12.97	9.930	0.000	0.500
TERRAZZO FINISHER		BLD		38.040	0.000	1.5	1.5	2.0	10.55	11.22	0.000	0.720
TERRAZZO MASON		BLD		41.880	44.880	1.5	1.5	2.0	10.55	12.51	0.000	0.940
TILE MASON		BLD		43.840	47.840	1.5	1.5	2.0	10.55	11.40	0.000	0.990
TRAFFIC SAFETY WRKR		HWY		32.750	34.350	1.5	1.5	2.0	6.550	6.450	0.000	0.500
TRUCK DRIVER		ALL	1	35.920	36.120	1.5	1.5	2.0	8.280	8.760	0.000	0.150
TRUCK DRIVER		ALL	2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL	3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL	4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TUCKPOINTER		BLD		43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670

Legend: RG (Region)

TYP (Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers)

C (Class)

Base (Base Wage Rate)

FRMAN (Foreman Rate)

M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.)

OSA (Overtime (OT) is required for every hour worked on Saturday)

OSH (Overtime is required for every hour worked on Sunday and Holidays)

H/W (Health & Welfare Insurance)

Pensn (Pension)

Vac (Vacation)

Trng (Training)

Explanations

KANE COUNTY

ELECTRICIANS AND COMMUNICATIONS TECHNICIAN (NORTH) - Townships of Burlington, Campton, Dundee, Elgin, Hampshire, Plato, Rutland, St. Charles (except the West half of Sec. 26, all of Secs. 27, 33, and 34, South half of Sec. 28, West half of Sec. 35), Virgil and Valley View CCC and Elgin Mental Health Center.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but

not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video), telephone, security systems, fire alarm systems that are a component of a multiplex system and share a common cable, and data inside wire, interconnect, terminal equipment, central offices, PABX and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials;

field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under: Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types; Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe

Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEERS - FLOATING

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

SURVEY WORKER - Operated survey equipment including data collectors, G.P.S. and robotic instruments, as well as conventional levels and transits.

TRAFFIC SAFETY - work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material

Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".



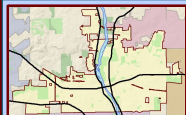
City of St. Charles, Illinois

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Precision GIS

RAYMOND ROGINA
MARK KOENEN

Mayor
City Administrator



Data Source:
City of St. Charles, Illinois
Kane County, Illinois
DuPage County, Illinois
Coordinate System: Illinois State Plane East
Projection: Transverse Mercator
North American Datum 1983
Printed on: June 16, 2017 10:29 AM



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S. Tyler Watermain

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Reviewed by Precision GIS