



**Illinois Department
of Transportation**

**Local Public Agency
Formal Contract Proposal**

PROPOSAL SUBMITTED BY		
Contractor's Name		
Street	P.O. Box	
City	State	Zip Code

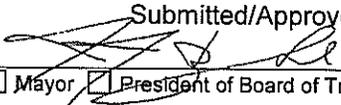
STATE OF ILLINOIS

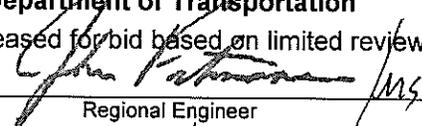
COUNTY OF KANE
 CITY OF ST. CHARLES
(Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF
 STREET NAME OR ROUTE NO. VARIOUS LOCATIONS
 SECTION NO. 14-00102-00-PV
 TYPES OF FUNDS MFT AND CORPORATE

SPECIFICATIONS (required)

PLANS (required)

For Municipal Projects
 Submitted/Approved/Passed

 Mayor President of Board of Trustees Municipal Official
 Date _____

Department of Transportation
 Released for bid based on limited review

 Regional Engineer
 3/24/14
 Date

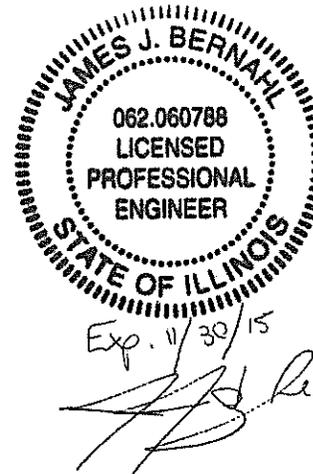
For County and Road District Projects
 Submitted/Approved

 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.

RETURN WITH BID

NOTICE TO BIDDERS

County Kane
Local Public Agency City of St. Charles
Section Number 14-00102-00-PV
Route Various Locations

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 April 17, 2014
Address Time Date

Sealed proposals will be opened and read publicly at the office of The City Clerk
City of St. Charles, 2 East Main Street, St. Charles, IL 60174 at 10:00 AM on April 17, 2014
Address Time Date

DESCRIPTION OF WORK

Name 2014 MFT Length: 14700.00 feet (2.80 miles)
Location Various
Proposed Improvement HMA pavement patching, curb & gutter, & sidewalk removal & repl., driveway apron removal & repl., HMA resurfacing, PCC pavement removal & repl., utility removal, repl. & adjustment, and parkway restoration.

1. Plans and proposal forms will be available in the office of City of St. Charles Web Site at no cost at:
http://www.stcharles.gov/bid-proposals. Contact James Bernahl, P.W. Engineering Division Manager at 630-377-4486
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 and one original with the IDOT District Office.

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: Local Public Agency Formal Contract Proposal
b. BLR 12200a Schedule of Prices
c. BLR 12230: Proposal Bid Bond (if applicable)
d. BLR 12325: Apprenticeship or Training Program Certification (do not use for federally funded projects)
e. BLR 12326: Affidavit of Illinois Business Office

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.

RETURN WITH BID

PROPOSAL

County Kane
Local Public Agency City of St. Charles
Section Number 14-00102-00-PV
Route Various Locations

1. Proposal of _____

for the improvement of the above section by the construction of HMA pavement patching, curb & gutter removal & replacement, sidewalk removal & replacement, driveway apron removal & replacement, HMA resurfacing, PCC pavement removal & replacement, sanitary, water & storm utility removal, replacement & adjustment, and parkway restoration.

a total distance of 14700.00 feet, of which a distance of 14700.00 feet, (2.800 miles) are to be improved.

2. The plans for the proposed work are those prepared by City of St. Charles Public Works Division and approved by the Department of Transportation on _____

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 applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.

5. The undersigned agrees to complete the work within _____ working days or by 08/15/2014 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:

City of St. Charles Treasurer of _____

The amount of the check is 5% of the bid (_____).

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 14-00120-00-PV _____.

8. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full 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

County Kane
 Local Public Agency City of St. Charles
 Section 14-00102-00-PV
 Route Various

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
MFT ITEMS					
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/2"	SY	8,691		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	32,772		
44000100	PAVEMENT REMOVAL	SY	1,900		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SY	1,900		
20201200	REMOVE AND DISPOSAL OF UNSUITABLE MATERIAL	CY	300		
20700220	POROUS GRANULAR EMBANKMENT	CY	300		
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SY	1,900		
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CY	265		
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SY	80		
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SY	1,019		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50	TON	4,401		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL19.0, N50	TON	1,095		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	12,386		
40600300	AGGREGATE (PRIME COAT)	TON	90		
XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SY	926		
XX006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SY	1,542		
Z0007420	SIDEWALK REPAIR (SPECIAL)	SF	10,072		
44000600	SIDEWALK REMOVAL	SF	670		
X4400220	CURB REMOVAL AND REPLACEMENT	LF	4,492		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LS	1		
X2520700	SODDING, SPECIAL	SY	2,240		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SF	280		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	LF	2,910		
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	LF	895		

RETURN WITH BID

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
MFT ITEMS CONT.					
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	LF	120		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	LF	135		
88600600	DETECTOR LOOP REPLACEMENT	LF	380		
67100100	MOBILIZATION	LS	1		
CORPORATE ITEMS (NON MFT)					
1	Remove & Replace Fire Hydrant & Aux. Valve Box & Install Stabilizer	EA	4		
2	Remove & Replace 6" Auxiliary Valve & 5-1/4" Box & Install Stabilizer	EA	1		
3	Remove & Replace B-Box in Driveway or Sidewalk	EA	4		
4	Reset 5-1/4" Auxiliary Valve Box & Install Stabilizer	EA	1		
5	Replace 5-1/4" Auxiliary Valve Box & Install Stabilizer	EA	12		
6	Replace 5-1/4" Valve Box in Pavement & Install Stabilizer	EA	1		
7	Replace Valve Box with Valve Vault (I.D.-48")	EA	1		
8	Reset Valve Vault Frame in Sidewalk	EA	1		
9	Remove & Replace Valve Vault Frame & Lid in Pavement	EA	10		
10	Remove & Replace 6" Valve & Valve Vault (I.D.-48")	EA	3		
11	Remove 12" Valve & Valve Vault (I.D.-48") - Cut Main & Cap Tee	EA	1		
12	Lower 4" Class 52 Ductile Iron Water Main	LF	24		
13	10" Ductile Iron Water Main - Casing Pipe	LS	1		
14	Remove & Replace Sanitary Manhole (I.D.-48")	EA	4		
15	Sanitary Manhole Chimney Seal	EA	4		
16	Remove & Replace Frame & Lid in Pavement - Sanitary	EA	4		
17	Sanitary Sewer Pipe Removal and Replacement - 8"	LF	32		
18	Sanitary Sewer Pipe Removal and Replacement - 10"	LF	20		
19	Sanitary Manholes to be Reconstructed	EA	1		
20	Sanitary Sewer Service Removal and Replacement 6"	LF	46		
21	Remove and Replace Storm Manhole (I.D.-48"), w/ 48" Dia. Manhole	EA	6		
22	Remove and Replace Storm Manhole (I.D.-48"), w/ 36" Dia. Manhole	EA	1		
23	Remove and Replace Storm Structure (I.D.-36"), w/ 36" Dia. Catch Basin	EA	6		
24	Remove and Replace Storm Structure (I.D.-24"), w/ 48" Dia. Catch Basin	EA	1		
25	Remove and Replace Catch Basin, Type "C" - 24" Dia. w/ 2' Sump	EA	8		
26	Abandon Existing Storm Structure	EA	2		
27	48" Dia. Storm Manhole in Pavement	EA	3		
28	48" Dia. Storm Manhole in Parkway	EA	1		
29	Remove and Replace Inlet, Type "A" - 24" Dia.	EA	10		
30	Inlet, Type "A" - 24" Dia.	EA	1		
31	Reset Manhole Frame in Pavement - Storm	EA	9		
32	Reset Frame in Curb - Storm	EA	17		
33	Remove & Replace Frame & Lid in Curb - Storm	EA	1		
34	Remove & Replace Frame & Lid in Pavement - Storm	EA	2		
35	Remove & Replace Frame in Parkway - Storm	EA	1		
36	Storm Sewer Service, PVC SDR 26, 6"	LF	131		
37	Storm Sewer Pipe, PVC SDR 21 - 10"	LF	66		

RETURN WITH BID

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
CORPORATE ITEMS CONT. (NON MFT)					
38	Storm Sewer Pipe, PVC SDR 26, Removal and Replacement - 10"	LF	20		
39	Storm Sewer Pipe, PVC SDR 26, Removal and Replacement - 12"	LF	10		
40	Storm Sewer Pipe, PVC SDR 21, Removal and Replacement - 10"	LF	25		
41	Storm Sewer Pipe, PVC SDR 21, Removal and Replacement - 12"	LF	69		
42	Storm Sewer Pipe, PVC SDR 26 - 12"	LF	176		
43	Storm Sewer Pipe, PVC SDR 21 - 12"	LF	807		
44	Storm Sewer Pipe, RCP Class 3 Removal and Replacement- 12"	LF	10		
45	Storm Sewer Pipe, RCP Class 4 Removal and Replacement- 10"	LF	12		
46	Storm Sewer Pipe, RCP Class 4 Removal and Replacement- 12"	LF	48		
47	Storm Sewer Pipe, RCP Class 3 Removal and Replacement - 15"	LF	130		
48	Storm Sewer Pipe, RCP Class 4 Removal and Replacement - 15"	LF	275		
49	Abandon Storm Sewer Pipe - Fill with Flowable Fill	CY	27		
50	Storm Sewer Pipe Removal	LF	80		
Lakeside Drive - Route 64 to South End					
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/2"	SY	1144		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50	TON	96		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL19.0, N50	TON	144		
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SY	82		
88600600	DETECTOR LOOP REPLACEMENT	LF	80		
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	LF	60		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SF	60		
Alley - Cutler to Horne - Between 4th St. & 5th St.					
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/2"	SY	1250		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50	TON	105		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL19.0, N50	TON	158		
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SY	90		
Alley - Horne to McKinley - Between 4th St. & 5th St.					
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/2"	SY	512		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50	TON	43		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL19.0, N50	TON	65		
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SY	38		
Public Parking Lot "H"					
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/2"	SY	1861		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50	TON	156		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL19.0, N50	TON	234		
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SY	133		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	LF	1150		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SF	36		

RETURN WITH BID

Bidder's Proposal for making Entire Improvements
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Item No.	Items	Unit	Quantity	Unit Price	Total
	Public Works Facility Parking Lot				
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/2"	SY	4600		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50	TON	386		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL19.0, N50	TON	580		
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SY	330		
				Total MFT	
				Total Corporate	
Bidder's Proposal for making Entire Improvements					

RETURN WITH BID

CONTRACTOR CERTIFICATIONS

County	<u>Kane</u>
Local Public Agency	<u>City of St. Charles</u>
Section Number	<u>14-00102-00-PV</u>
Route	<u>Various Locations</u>

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.

RETURN WITH BID

SIGNATURES

County Kane
Local Public Agency City of St. Charles
Section Number 14-00120-00-PV
Route Various Locations

(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 _____

Signed By _____

President

Business Address _____

Inset Names of Officers



President _____

Secretary _____

Treasurer _____

Attest: _____
Secretary



Route Various Locations
County Kane
Local Agency City of St. Charles
Section 14-00102-00-PV

RETURN WITH BID

PAPER BID BOND

WE _____ as PRINCIPAL,
and _____ 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 _____ day of _____

Principal

By: _____ (Company Name)
By: _____ (Company Name)
(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.)

Surety

By: _____ (Name of Surety)
(Signature of Attorney-in-Fact)

STATE OF ILLINOIS,
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that _____

(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 PRINCIPAL 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 _____ day of _____

My commission expires _____ (Notary Public)

ELECTRONIC BID BOND

[] 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.)

Electronic Bid Bond ID Code

(Company/Bidder Name)

(Signature and Title)

Date



Apprenticeship or Training Program Certification

Return with Bid

Route: Various Locations
County: Kane
Local Agency: City of St. Charles
Section: 14-00102-00-PV

All contractors are required to complete the following certification:

- For this contract proposal or for all groups in this deliver and install proposal.
For the following deliver and install groups in this material proposal:

Blank lines for listing groups in the proposal.

Illinois Department of Transportation policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all bidders' subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

- I. Except as provided in paragraph IV below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
II. The undersigned bidder further certifies for work to be performed by subcontract that each of its subcontractors submitted for approval either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.
III. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

Blank lines for listing program sponsors and work categories.

IV. Except for any work identified above, any bidder or subcontractor that shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforce and positions of ownership.

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Department at any time before or after award may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

Bidder: _____

By: _____

(Signature)

Address: _____

Title: _____



Affidavit of Illinois Business Office

County Kane
Local Public Agency City of St. Charles
Section Number 14-00102-00-PV
Route Various Locations

State of)
) ss.
County of)

I, (Name of Affiant) of (City of Affiant), (State of Affiant),

being first duly sworn upon oath, states as follows:

- 1. That I am the officer or position of bidder.
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, (bidder), will maintain a business office in the State of Illinois which will be located in County, Illinois.
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

(Signature)
(Print Name of Affiant)

This instrument was acknowledged before me on day of ,

(SEAL)

(Signature of Notary Public)



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

**Affidavit of Availability
For the Letting of 14-00102-00-PV**

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						

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**.

	1	2	3	4	Awards Pending	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						

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					
Total Uncompleted					

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 _____ day of _____ _____ Type or Print Name _____
 Officer or Director Title

 Notary Public Signed _____

My commission expires _____

(Notary Seal)

Company _____

Address _____

ITEMS TO BE RETURNED WITH BID

The following documents shall be included with the submitted bid:

- BLR 12200 – Contract Proposal Cover
- BLR 12200 – Notice to Bidders
- BLR 12200 – Proposal
- BLR 12200a – Schedule of Prices
- BLR 12200 – Contractor Certifications
- BLR 12200 - Signatures
- BLR 12230 – Proposal Bid Bond
- BLR 12325 – Apprenticeship or Training Program Certification
- BLR 12326 - Affidavit of Illinois Business Office
- BC 57 – Affidavit of Availability
- IDOT Certification of Eligibility



The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", Adopted January 1, 2012, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of 14-00102-00-PV, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

Maintenance of Roadways

Effective: September 30, 1985

Revised: November 1, 1996

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

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

STATUS OF UTILITIES TO BE ADJUSTED

Effective: January 30, 1987

Revised: July 1, 1994

Utility companies involved in this project have provided the following estimated dates:

<u>Name of Utility</u>	<u>Type</u>	<u>Location</u>	<u>Estimated Dates for Start and Completion of Relocation or Adjustments</u>
AT&T Mr. Terry Wasik 630-573-6481	N/A	N/A	N/A
Comcast Mr. Thomas Munar 630-600-6316	N/A	N/A	N/A
Nicor Ms. Connie Lane 630-388-3830	N/A	N/A	N/A

The above represents the best information available to the Department and is included for the convenience of the bidder. The applicable portions of Articles 105.07 and 107.31 of the Standard Specifications shall apply.

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2014

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 1-1-12) (Revised 1-1-14)

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CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted January 1, 2014

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

<u>CHECK SHEET #</u>	<u>RECURRING SPECIAL PROVISIONS</u>	<u>PAGE NO.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts (Eff. 2-1-69)(Rev. 1-1-10)	149
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts) (Eff. 1-1-88) (Rev. 5-1-93)	152
3	<input type="checkbox"/> EEO (Eff. 7-21-78) (Rev. 11-18-80)	153
4	<input type="checkbox"/> Specific Equal Employment Opportunity Responsibilities Non Federal-Aid Contracts (Eff. 3-20-69) (Rev. 1-1-94)	163
5	<input type="checkbox"/> Required Provisions - State Contracts (Eff. 4-1-65) (Rev. 1-1-13)	168
6	<input type="checkbox"/> Asbestos Bearing Pad Removal (Eff. 11-1-03)	173
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos Hot-Mix Asphalt Surface Removal (Eff. 6-1-89) (Rev. 1-1-09)	174
8	<input type="checkbox"/> Haul Road Stream Crossings, Other Temporary Stream Crossings, and In-Stream Work Pads (Eff. 1-2-92) (Rev. 1-1-98)	175
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges (Eff. 1-1-99) (Rev. 1-1-07)	176
10	<input type="checkbox"/> Construction Layout Stakes (Eff. 5-1-93) (Rev. 1-1-07)	179
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing (Eff. 1-1-95) (Rev. 1-1-07)	182
12	<input type="checkbox"/> Subsealing of Concrete Pavements (Eff. 11-1-84) (Rev. 1-1-07)	184
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction (Eff. 11-1-87) (Rev. 1-1-09)	188
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing (Eff. 2-1-00) (Rev. 1-1-09)	190
15	<input type="checkbox"/> PCC Partial Depth Hot-Mix Asphalt Patching (Eff. 1-1-98) (Rev. 1-1-07)	191
16	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal (Eff. 10-1-95) (Rev. 1-1-07)	193
17	<input type="checkbox"/> Polymer Concrete (Eff. 8-1-95) (Rev. 1-1-08)	194
18	<input type="checkbox"/> PVC Pipeliner (Eff. 4-1-04) (Rev. 1-1-07)	196
19	<input type="checkbox"/> Pipe Underdrains (Eff. 9-9-87) (Rev. 1-1-07)	197
20	<input type="checkbox"/> Guardrail and Barrier Wall Delineation (Eff. 12-15-93) (Rev. 1-1-12)	198
21	<input type="checkbox"/> Bicycle Racks (Eff. 4-1-94) (Rev. 1-1-12)	202
22	<input type="checkbox"/> Temporary Modular Glare Screen System (Eff. 1-1-00) (Rev. 1-1-07)	204
23	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals (Eff. 8-1-03) (Rev. 1-1-07)	206
24	<input type="checkbox"/> Work Zone Public Information Signs (Eff. 9-1-02) (Rev. 1-1-07)	208
25	<input type="checkbox"/> Night Time Inspection of Roadway Lighting (Eff. 5-1-96)	209
26	<input type="checkbox"/> English Substitution of Metric Bolts (Eff. 7-1-96)	210
27	<input type="checkbox"/> English Substitution of Metric Reinforcement Bars (Eff. 4-1-96) (Rev. 1-1-03)	211
28	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete (Eff. 1-1-01) (Rev. 1-1-13)	212
29	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay for Pavements (Eff. 11-1-08) (Rev. 1-1-13)	213
30	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant (Eff. 8-1-00) (Rev. 1-1-14)	216
31	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures (Eff. 4-1-92) (Rev. 1-1-14)	224
32	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations (Eff. 4-1-07)	240
33	<input type="checkbox"/> Pavement Marking Removal (Eff. 4-1-09)	242
34	<input type="checkbox"/> Preventive Maintenance – Bituminous Surface Treatment (Eff. 1-1-09) (Rev. 1-1-12)	243
35	<input type="checkbox"/> Preventive Maintenance – Cape Seal (Eff. 1-1-09) (Rev. 1-1-12)	249
36	<input type="checkbox"/> Preventive Maintenance – Micro-Surfacing (Eff. 1-1-09) (Rev. 1-1-12)	264
37	<input type="checkbox"/> Preventive Maintenance – Slurry Seal (Eff. 1-1-09) (Rev. 1-1-12)	275
38	<input type="checkbox"/> Temporary Raised Pavement Markers (Eff. 1-1-09) (Rev. 1-1-14)	285
39	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam (Eff. 1-1-09) (Rev. 1-1-12)	286

CHECK SHEET
FOR
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted January 1, 2014

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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State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS

Effective: January 1, 2001
Revised: January 1, 2014

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 102.01 of the Standard Specifications with the following:

“Prequalification of Bidders. When prequalification is required and the Awarding Authority for contract construction work is the County Board of a County, the Council, the City Council, or the President and Board of Trustees of a city, village, or town, each prospective bidder, in evidence of competence, shall furnish the Awarding Authority as a prerequisite to the release of proposal forms by the Awarding Authority, a certified or photostatic copy of a "Certificate of Eligibility" issued by the Department of Transportation, according to the Department's "Prequalification Manual".

The two low bidders must file, within 24 hours after the letting, a sworn affidavit in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work, using the blank form made available for this affidavit. One copy shall be filed with the Awarding Authority and two copies with IDOT's District office.

Issuance of Proposal Forms. The Awarding Authority reserves the right to refuse to issue a proposal form for bidding purposes for any of the following reasons:

- (a) Lack of competency and adequate machinery, plant, and other equipment, as revealed by the financial statement and experience questionnaires required in the prequalification procedures.
- (b) Uncompleted work which, in the judgment of the Awarding Authority, might hinder or prevent the prompt completion of additional work awarded.
- (c) False information provided on a bidder's "Affidavit of Availability".
- (d) Failure to pay, or satisfactorily settle, all bills due for labor and material on former contracts in force at the time of issuance of proposal forms.
- (e) Failure to comply with any prequalification regulations of the Department.
- (f) Default under previous contracts.
- (g) Unsatisfactory performance record as shown by past work for the Awarding Authority, judged from the standpoint of workmanship and progress.
- (h) When the Contractor is suspended from eligibility to bid at a public letting where the contract is awarded by, or requires approval of, the Department.
- (i) When any agent, servant, or employee of the prospective bidder currently serves as a member, employee, or agent of a governmental body that is financially involved in the proposal work.

- (j) When any agent, servant, or employee of the perspective bidder has participated in the preparation of plans or specifications for the proposed work.

Interpretation of Quantities in the Bid Schedule. 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.

Examination of Plans, Specifications, Special Provisions, and Site of Work. The bidder shall, before submitting a bid, carefully examine the provisions of the contract. The bidder shall inspect in detail the site of the proposed work, investigate and become familiar with all the local conditions affecting the contract and fully acquaint themselves with the detailed requirements of construction. Submission of a bid shall be a conclusive assurance and warranty the bidder has made these examinations and the bidder understands all requirements for the performance of the work. If his/her bid is accepted, the bidder shall be responsible for all errors in the proposal resulting from his/her failure or neglect to comply with these instructions. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses, or change in anticipated profits resulting from such failure or neglect of the bidder to make these examinations.

The bidder shall take no advantage of any error or omission in the proposal and advertised contract. Any prospective bidder, who desires an explanation or interpretation of the plans, specification, or any of the contract documents, shall request such in writing from the Awarding Authority, in sufficient time to allow a written reply by the Awarding Authority that can reach all prospective bidders before the submission of their bids. Any reply given a prospective bidder concerning any of the contract documents, plans, and specifications will be furnished to all prospective bidders in the form determined by the Awarding Authority including, but not limited to, an addendum, if the information is deemed by the Awarding Authority to be necessary in submitting bids or if the Awarding Authority concludes the information would aid competition. Oral explanations, interpretations, or instructions given before the submission of bids unless at a prebid conference will not be binding on the Awarding Authority.

Preparation of the Proposal. Bidders shall submit their proposals on the form furnished by the Awarding Authority. The proposal shall be executed properly, and bids shall be made for all items indicated in the proposal form, except when alternate bids are asked, a bid on more than one alternate for each item is not required, unless otherwise provided. The bidder shall indicate in figures, a unit price for each of the separate items called for in the proposal form; the bidder shall show the products of the respective quantities and unit prices in the column provided for that purpose, and the gross sum shown in the place indicated in the proposal form shall be the summation of said products. All writing shall be with ink or typewriter, except the signature of the bidder which shall be written in ink.

If the proposal is made by an individual, that individual's name and business address shall be shown. If made by a firm or partnership, the name and business address of each member of the firm or partnership shall be shown. If made by a corporation, the proposal shall show the names, titles, and business addresses of the president, corporate secretary and treasurer. The proposal shall be signed by president or someone with authority to execute contracts and attested by the corporate secretary or someone with authority to execute or attest to the execution of contracts.

When prequalification is required, the proposal form shall be submitted by an authorized bidder in the same name and style as shown on the "Contractor's Statement of Experience and Financial Condition" used for prequalification.

Rejection of Proposals. The Awarding Authority reserves the right to reject any proposal for any of the conditions in "Issuance of Proposal Forms" or for any of the following reasons:

- (a) More than one proposal for the same work from an individual, firm, partnership, or corporation under the same name or different names.
- (b) Evidence of collusion among bidders.
- (c) Unbalanced proposals in which the bid prices for some items are, in the judgment of the Awarding Authority, out of proportion to the bid prices for other items.
- (d) If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items or lump sum pay items.
- (e) If the proposal form is other than that furnished by the Awarding Authority; or if the form is altered or any part thereof is detached.
- (f) If there are omissions, erasures, alterations, unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
- (g) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
- (h) If the proposal is not accompanied by the proper proposal guaranty.
- (i) If the proposal is prepared with other than ink or typewriter, or otherwise fails to meet the requirements of the above "Preparation of Proposal" section.

Proposal Guaranty. Each proposal shall be accompanied by a bid bond on the Department form contained in the proposal, executed by a corporate surety company satisfactory to the Awarding Authority, by a bank cashier's check or a properly certified check for not less than five percent of the amount bid, or for the amount specified in the following schedule:

<u>Amount Bid</u>		<u>Proposal Guaranty</u>
Up to	\$5,000	\$150
>\$5,000	\$10,000	\$300
>\$10,000	\$50,000	\$1,000
>\$50,000	\$100,000	\$3,000
>\$100,000	\$150,000	\$5,000
>\$150,000	\$250,000	\$7,500
>\$250,000	\$500,000	\$12,500
>\$500,000	\$1,000,000	\$25,000
>\$1,000,000	\$1,500,000	\$50,000
>\$1,500,000	\$2,000,000	\$75,000
>\$2,000,000	\$3,000,000	\$100,000
>\$3,000,000	\$5,000,000	\$150,000
>\$5,000,000	\$7,500,000	\$250,000
>\$7,500,000	\$10,000,000	\$400,000
>\$10,000,000	\$15,000,000	\$500,000
>\$15,000,000	\$20,000,000	\$600,000
>\$20,000,000	\$25,000,000	\$700,000
>\$25,000,000	\$30,000,000	\$800,000
>\$30,000,000	\$35,000,000	\$900,000
Over	\$35,000,000	\$1,000,000

In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must equal to the sum of the proposal guaranties which would be required for each individual proposal.

Bank cashier's checks or properly certified checks accompanying proposals shall be made payable to the County Treasurer, when a County is the Awarding Authority; or the City, Village, or Town Treasurer, when a city, village, or town is the Awarding Authority.

The proposal guaranty checks of all, except the two lowest responsible, will be returned promptly after the proposals have been checked, tabulated, and the relation of the proposals established. Proposal guaranty checks of the two lowest bidders will be returned as soon as the contract and contract bond of the successful bidder have been properly executed and approved. Bid bonds will not be returned.

After a period of three working days has elapsed after the date of opening proposals, the Awarding Authority may permit the two lowest bidders to substitute for the bank cashier's checks or certified checks submitted with their proposals as proposal guaranties, bid bonds on the Department forms executed by corporate surety companies satisfactory to the Awarding Authority.

Delivery of Proposals. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Authority 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.

Withdrawal of Proposals. Permission will be given a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Public Opening of Proposals. Proposals will be opened and read publicly at the time and place specified in the Notice to Bidders. Bidders, their authorized agents, and other interested parties are invited to be present.

Consideration of Proposals. After the proposals are opened and read, they will be compared on the basis of the summation of the products of the quantities shown in the bid schedule by the unit bid prices. In awarding contracts, the Awarding Authority will, in addition to considering the amounts stated in the proposals, take into consideration the responsibility of the various bidders as determined from a study of the data required under "Prequalification of Bidders", and from other investigations which it may elect to make.

The right is reserved to reject any or all proposals, to waive technicalities, or to advertise for new proposals, if in the judgment of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

Award of Contract. The award of contract will be made within 45 calendar days after the opening of proposals to the lowest responsible and qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by letter of intent that his/her bid has been accepted, and subject to the following conditions, the bidder will be the Contractor.

An approved contract executed by the Awarding Authority is required before the Awarding Authority is bound. An award may be cancelled any time by the Awarding Authority prior to execution in order to protect the public interest and integrity of the bidding process or for any other reason if, in the judgment of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

If a contract is not awarded within 45 days after the opening of proposals, bidders may file a written request with the Awarding Authority for the withdrawal of their bid, and the Awarding Authority will permit such withdrawal.

Requirement of Contract Bond. If the Awarding Authority requires a Contract Bond, the Contractor or Supplier shall furnish the Awarding Authority a performance and payment bond with good and sufficient sureties in the full amount of the award as the penal sum. The surety shall be acceptable to the Awarding Authority, shall waive notice of any changes and extensions of time, and shall submit its bond on the form furnished by the Awarding Authority.

Execution of Contract. The contract shall be executed by the successful bidder and returned, together with the Contract Bond, within 15 days after the contract has been mailed to the bidder.

If the bidder to whom the award is made is a corporation organized under the laws of a State other than Illinois, the bidder shall furnish the Awarding Authority a copy of the corporation's Certificate of Authority to do business in the State of Illinois with the return of the executed contract and bond. Failure to furnish such evidence of a Certificate of Authority within the time required will be considered as just cause for the annulment of the award and the forfeiture of the proposal guaranty to the Awarding Authority, not as a penalty, but in payment of liquidated damages sustained as a result of such failure.

Failure to Execute Contract. If the contract is not executed by the Awarding Authority within 15 days following receipt from the bidder of the properly executed contracts and bonds, the bidder shall have the right to withdraw his/her bid without penalty.

Failure of the successful bidder to execute the contract and file acceptable bonds within 15 days after the contract has been mailed to the bidder shall be just cause for the cancellation of the award and the forfeiture of the proposal guaranty which shall become the property of the Awarding Authority, not as penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible bidder, or the work may be readvertised and constructed under contract, or otherwise, as the Awarding Authority may decide."

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
COOPERATION WITH UTILITIES

Effective: January 1, 1999
Revised: January 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 105.07 of the Standard Specifications with the following:

“105.07 Cooperation with Utilities. The adjustment of utilities consists of the relocation, removal, replacement, rearrangements, reconstruction, improvement, disconnection, connection, shifting, new installation or altering of an existing utility facility in any manner.

When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility in respect to the sufficiency or the accuracy of the information shown on the plans relative to the location of the underground utility facilities.

Utilities which are to be adjusted shall be adjusted by the utility owner or the owner's representative or by the Contractor as a contract item. Generally, arrangements for adjusting existing utilities will be made by the Department prior to project construction; however, utilities will not necessarily be adjusted in advance of project construction and, in some cases, utilities will not be removed from the proposed construction limits. When utility adjustments must be performed in conjunction with construction, the utility adjustment work will be shown on the plans and/or covered by Special Provisions.

When the Contractor discovers a utility has not been adjusted by the owner or the owner's representative as indicated in the contract documents, or the utility is not shown on the plans or described in the Special Provisions as to be adjusted in conjunction with construction, the Contractor shall not interfere with said utility, and shall take proper precautions to prevent damage or interruption of the utility and shall promptly notify the Engineer of the nature and location of said utility.

All necessary adjustments, as determined by the Engineer, of utilities not shown on the plans or not identified by markers, will be made at no cost to the Contractor except traffic structures, light poles, etc., that are normally located within the proposed construction limits as hereinafter defined will not be adjusted unless required by the proposed improvement.

(a) Limits of Proposed Construction for Utilities Paralleling the Roadway. For the purpose of this Article, limits of proposed construction for utilities extending in the same longitudinal direction as the roadway, shall be defined as follows:

(1) The horizontal limits shall be a vertical plane, outside of, parallel to, and 600 mm (2 ft) distant at right angles from the plan or revised slope limits.

In cases where the limits of excavation for structures are not shown on the plans, the horizontal limits shall be a vertical plane 1.2 m (4 ft) outside the edges of structure footings or the structure where no footings are required.

(2) The upper vertical limits shall be the regulations governing the roadbed clearance for the specific utility involved.

(3) The lower vertical limits shall be the top of the utility at the depth below the proposed grade as prescribed by the governing agency or the limits of excavation, whichever is less.

(b) Limits of Proposed Construction for Utilities Crossing the Roadway. For the purpose of this Article, limits of proposed construction for utilities crossing the roadway in a generally transverse direction shall be defined as follows:

(1) Utilities crossing excavations for structures that are normally made by trenching such as sewers, underdrains, etc. and all minor structures such as manholes, inlets, foundations for signs, foundations for traffic signals, etc., the limits shall be the space to be occupied by the proposed permanent construction unless otherwise required by the regulations governing the specific utility involved.

(2) For utilities crossing the proposed site of major structures such as bridges, sign trusses, etc., the limits shall be as defined above for utilities extending in the same general direction as the roadway.

The Contractor may make arrangements for adjustment of utilities outside of the limits of proposed construction provided the Contractor furnishes the Department with a signed agreement with the utility owner covering the adjustments to be made. The cost of any adjustments made outside the limits of proposed construction shall be the responsibility of the Contractor unless otherwise provided.

The Contractor shall request all utility owners to field locate their facilities according to Article 107.31. The Engineer may make the request for location from the utility after receipt of notice from the Contractor. On request, the Engineer will make an inspection to verify that the utility company has field located its facilities, but will not assume responsibility for the accuracy of such work. The Contractor shall be responsible for maintaining the excavations or markers provided by the utility owners. This field location procedure may be waived if the utility owner has stated in writing to the Department it is satisfied the construction plans are sufficiently accurate. If the utility owner does not submit such statement to the Department, and they do not field locate their facilities in both horizontal and vertical alignment, the Engineer will authorize the Contractor in writing to proceed to locate the facilities in the most economical and reasonable manner, subject to the approval of the Engineer, and be paid according to Article 109.04.

The Contractor shall coordinate with any planned utility adjustment or new installation and the Contractor shall take all precautions to prevent disturbance or damage to utility facilities. Any failure on the part of the utility owner, or their representative, to proceed with any planned utility adjustment or new installation shall be reported promptly by the Contractor to the Engineer orally and in writing.

The Contractor shall take all necessary precautions for the protection of the utility facilities. The Contractor shall be responsible for any damage or destruction of utility facilities resulting from neglect, misconduct, or omission in the Contractor's manner or method of execution or nonexecution of the work, or caused by defective work or the use of unsatisfactory materials. Whenever any damage or destruction of a utility facility occurs as a result of work performed by the Contractor, the utility company will be immediately notified. The utility company will make arrangements to restore such facility to a condition equal to that existing before any such damage or destruction was done.

It is understood and agreed that the Contractor has considered in the bid all of the permanent and temporary utilities in their present and/or adjusted positions.

No additional compensation will be allowed for any delays, inconvenience, or damage sustained by the Contractor due to any interference from the said utility facilities or the operation of relocating the said utility facilities.

TRAFFIC CONTROL PLAN

Effective: September 30, 1985

Revised: January 1, 2007

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 the Special Provisions contained herein.

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.

STANDARDS:

701501-06

701801-05

701901-03

BLR 17-4

BLR 18-5

DETAILS:

TC-10

TC-13

SPECIAL PROVISIONS:

Maintenance of Roadways

Work Zone Traffic Control

Flaggers in Work Zones

Traffic Control and Protection

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

City of St. Charles, Illinois

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets

SPECIAL PROVISION
FOR
WAGES OF EMPLOYEES ON PUBLIC WORKS

Effective: January 1, 1999
Revised: January 1, 2014

1. **Prevailing Wages.** All wages paid by the Contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Illinois Department of Labor publishes the prevailing wage rates on its website at www.state.il.us/agency/idol/rates/rates.htm. If the Illinois Department of Labor revises the prevailing wage rates, the revised prevailing wage rates on the Illinois Department of Labor's website shall apply to this contract and the Contractor will not be allowed additional compensation on account of said revisions. The Contractor shall review the wage rates applicable to the work of the contract at regular intervals in order to ensure the timely payment of current wage rates. The Contractor agrees that no additional notice is required. The Contractor shall be responsible to notify each subcontractor of the wage rates set forth in this contract and any revisions thereto.
2. **Payroll Records.** The Contractor and each subcontractor shall make and keep, for a period of not less than five years from the date of the last payment on a contract or subcontract, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include information required by 820 ILCS 130/5 for each worker. Upon seven business days' notice, the Contractor and each subcontractor shall make available for inspection and copying at a location within this State during reasonable hours, the payroll records to the public body in charge of the project, its officers and agents, the Director of Labor and his deputies and agents, and to federal, State, or local law enforcement agencies and prosecutors.
3. **Submission of Payroll Records.** The Contractor and each subcontractor shall, no later than the 15th day of each calendar month, file a certified payroll for the immediately preceding month with the public body in charge of the project, except that the full social security number and home address shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee's social security number). The certified payroll shall consist of a complete copy of the payroll records except starting and ending times of work each day may be omitted

The certified payroll shall be accompanied by a statement signed by the Contractor or subcontractor or an officer, employee, or agent of the contractor or subcontractor which avers that: (i) he or she has examined the certified payroll records required to be submitted by the Act and such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and (iii) the Contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class A misdemeanor.
4. **Employees Interviews.** The Contractor and each subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department or the Department of Labor.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets
SPECIAL PROVISION
FOR
CONSTRUCTION AND MAINTENANCE SIGNS

Effective: January 1, 2004
Revised: June 1, 2007

All references to Sections or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

701.14. Signs. Add the following paragraph to Article 701.14:

All warning signs shall have minimum dimensions of 1200 mm x 1200 mm (48" x 48") and have a black legend on a fluorescent orange reflectorized background, meeting, as a minimum, Type AP reflectivity requirements of Table 1091-2 in Article 1091.02.

**SPECIAL PROVISIONS FOR
CITY OF ST CHARLES
2014 MFT STREET REHABILITATION PROGRAM**

The following Special Provisions supplement the “Standard Specifications for Road and Bridge Construction” adopted January 1, 2012, and the Supplemental Specifications adopted January 1, 2014 (hereafter referred to as the Standard Specifications); 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”; adopted January 1, 2014. In case of conflict with any parts of said specifications, the said Special Provisions shall take precedence and shall govern.

LOCATION OF PROJECT

The proposed project is located at “various locations” in the City of St Charles, Illinois. See location map for specific locations and limits. Gross and net length of improvement is 14,700 feet (2.80 miles).

DESCRIPTION OF PROJECT

The proposed project consists of the construction of hot-mix asphalt and concrete pavement removal and resurfacing, and roadway reconstruction. The project also includes pavement patching, curb and gutter removal and replacement, driveway pavement removal replacement, sidewalk removal and replacement, adjustment of utility and drainage structures. Restoration and all other incidental and collateral work necessary to complete the project as described herein will be the responsibility of the contractor.

COMPLETION DATE(S) OF PROJECT

Construction is scheduled to begin upon the proper execution of the contact documents which includes the submission of insurance and bonds, or with in two weeks of notice to proceed. The substantial completion of all work except for landscaping restoration shall be on **(August 1, 2014)**. The final completion for all other ancillary work, including minimal landscaping restoration, shall be completed and ready for final acceptance and payment on or before **(August 15, 2014)**. Failure to comply with the deadlines for the substantial completion and final completion shall result in the enforcement of liquidated damages in accordance with the Special Provisions, “Liquidated Damages”, and Section 108.05 and 108.09 of the Standard Specifications, along with all fees acquired for extended need for resident engineering services.

CONTRACT REQUIREMENTS

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 sequencing of streets and dates for the 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.

MATERIAL STORAGE

The Contractor shall not deliver and 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 cost of MOBILIZATION.

NOTIFICATION OF WORK

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

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 City 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 Friday and 8:30 AM on Saturday. Construction operations including site cleanup, shall be completed before 7:00 PM Monday through Friday and 5:00PM 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 shall be given a minimum 24-hour notice to initial removal of their driveway apron. The Contractor shall make every effort to keep driveways open including temporary grading and placement of gravel.
- 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 at the Contract Unit Prices for the various items of work involved, unless otherwise specified elsewhere in these Special Provisions.

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.

The proposed work sequence follows:

- a. Construction staking and identification of utility repair locations **(Mandatory by Contractor prior to commencement of contract work)**.
- b. Rehabilitation of the existing storm, water, and sanitary utilities will be performed by the Contractor.
- c. Grind the remaining HMA surface and base as shown on drawings.
- d. Proof-roll the existing granular base as needed.
- e. Undercut and replace w/compacted granular material or placement of class "D" patching (if requested by Engineer).
- f. Prime coat **(Contractor should refer to contract for application requirements and restrictions)**.
- g. Place HMA binder course.
- h. Adjust all utility structures, locking frames and covers in the roadway with concrete. (refer to City standard Engineering detail).
- i. Restore parkway, assuring that the minimum amount of watering's are met.

- j. Obtain Public Work's acceptance of all utility work be performing a final Engineering inspection. Contractor to provide laborer to remove F/C's for inspections. All structures shall be cleaned as required prior to final Engineering inspection.
- k. Bituminous Material Prime Coat.
- l. Aggregate Prime.
- m. Place HMA surface course.
- n. Sweep street as required.
- o. Placement of pavement markings as indicated in the contract.
- p. Remove all remaining traffic control protection and public notification appurtenances.

APPROVAL OF SUBCONTRACTORS

The Contractor shall provide a list of the intended source of materials and the intended Subcontractor 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 of the work required of him.

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 intends to perform for each upcoming week. The report form will be provided at the preconstruction meeting and is entitled "Contractor's Plan for Upcoming Week's Operations." 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 may be handwritten in the field by the project superintendent and faxed in to the City's Public Works Engineering Department office, fax number (630) 584-6520.

DAILY PROJECT SCHEDULING

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

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.** 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.

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 receiving payments from subject payout.
2. Copies of Certified Payroll for period when work was completed.
3. Sworn Statement from General Contractor.

CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD)

The Contractor is to be aware of and comply with CCDD requirements. The City of St. Charles has included IEPA form LPC-662 and the results for pH testing for each location with the contract documents.

**GENERAL SPECIFICATIONS FOR
CITY OF ST CHARLES
2014 MFT STREET REHABILITATION PROGRAM**

GENERAL NOTES:

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 video taping 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.

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.**

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 of 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.

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.

RESIDENT NOTIFICATION

The Contractor shall be responsible for delivery of notification letters (supplied by the City) to all residents affected by each Phase of construction (underground utility work; grinding; driveway removal; prime coat application; binder course placement; surface course placement) at least 24 hours, but not more than 72 hours, prior to commencement of work.

The Contractor shall be responsible for posting suitable advance notice on scheduled to be resurfaced streets at least 24 hours, but not more than 48 hours, prior to commencement of work. "No Parking" signs displaying construction times shall be placed on roadways 48 hours prior to placement of HMA materials. All such notices shall be removed by the Contractor immediately upon the completion of work in each block. This work shall be included in the cost of MOBILIZATION.

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.

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.

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.

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 result in the sole responsibility of the Contractor.

CONSTRUCTION STAKES, LINES AND GRADES

Construction staking and benchmark establishment will be the responsibility of the Contractor, and shall be included in the cost of MOBILIZATION. The Contractor shall assume full responsibility for dimensions and elevations measured for such stakes.

The Contractor shall exercise care in the preservation of the stakes and marks, and shall have them reset at his/her expense when they are damaged, lost, displaced, removed or otherwise obliterated.

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 removed. No additional compensation will be allowed for sawing reinforcement.

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.

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.

AGGREGATE FOR TEMPORARY ACCESS

This work shall consist of construction and maintenance of an aggregate surface course for temporary access to abutting properties during construction operation, as specified in Article 107.09 of Standard Specifications and as directed by the Engineer.

Temporary access shall be constructed of aggregate as to the dimensions specified by the Engineer. After these temporary access locations have served their purpose, the aggregate shall be removed and, at the direction and approval of the Engineer, utilized for other temporary access locations. When temporary access is no longer required, the aggregate placed in its construction and maintenance shall be removed and utilized in the permanent construction, or otherwise disposed of as specified in Article 202.03 of the Standard Specifications.

This work shall include furnishings, transporting, placing, maintaining, and removing and reusing or disposing of aggregate. This work will not be paid for separately but shall be included in the cost of MOBILIZATION.

PORTLAND CEMENT CONCRETE MIX DESIGN

Portland Cement Concrete for street pavement and driveways shall conform to IDOT Class PV with the following parameters. The concrete shall be a minimum 5.2 bag mix with a minimum cement factor of 6.55 and a minimum compressive strength of 3500 psi at 14 days. Air entrainment shall be between 5% to 8%. Slump shall be between 2 inches minimum and 4 inches maximum.

Portland Cement Concrete for combination curb and gutter, and sidewalks shall conform to IDOT Class SI with the following parameters. The concrete shall be a minimum 5.2 bag mix with a minimum cement factor of 6.55 and a minimum compressive strength of 3500 psi at 14 days. Air entrainment shall be between 5% to 8%. Slump shall be between 2 inches minimum and 4 inches maximum.

BACKFILLING OF STRUCTURES

This work shall be in accordance with the applicable portions of Article 550.07 of the Standard Specifications and is herein specified. Structures under pavement shall be backfilled with course aggregate CA-7 (crushed virgin limestone). Structures in parkway shall be backfilled with fine aggregate FA-6 (fine clean brown beach sand). 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.

TRENCH BACKFILL REQUIREMENTS

All utility and service trenches within (3) feet of paved surfaces, or at a distance specified by the Engineer, shall be backfilled with CA-7 (Virgin Crushed Limestone). FA-6 (fine clean brown beach sand) material shall be used in all other unpaved locations. All Backfill material shall be properly compacted unless otherwise directed by the appropriate Engineering Division.

FINAL ADJUSTMENT OF FRAME & COVER

The final adjustment of the frame and cover shall adhere to the following guidelines based on the location of the structure. For structures located within a paved area, mortar with solid steel shims shall be used between adjusting rings and the top of the structure. Structures located within an unpaved area shall use a preformed HMA joint sealant to be placed between each adjusting ring and the top of the structure. The preformed HMA joint sealant shall be E-Z Stick or an Engineer approved equivalent. The minimum dimension of the preformed material shall be one-half square inch. Prior to the placement of the final layer of the roadway, frames and adjusting rings located within paved areas shall be set in an IDOT approved concrete SI mixture. Contractors shall familiarize themselves with the City of St. Charles Standard Engineering Details for installation requirements.

HOT-MIX ASPHALT SURFACE REMOVAL, 2" or 3-1/2"

This work shall consist of removing and disposing of the existing HMA surface as stated in the Contract Documents or directed by the Engineer. This work shall be done in accordance with applicable portions of Section 440 of the Standard Specifications, except as herein modified.

The Contractor shall coordinate the work so that the period of time between the milling of the existing HMA surface and the placement of the HMA binder is kept to a minimum. This period shall not exceed 3 **calendar days**. The Engineer shall determine if an extension of time will be allowed due to weather or other unforeseen circumstances. The Engineer shall assess liquidated damages of \$2000 per day for each day after the 3 calendar days has passed without approval for a time extension.

Any existing pavement damage outside the removal limits shall be replaced to the satisfaction of the Engineer at the Contractor's expense.

The Contractor shall be responsible for protecting any curb and gutter from damage during the HMA removal operations. If the Contractor damages the curb and gutter, repairs shall be made to the satisfaction of the Engineer at the Contractor's expense. The Engineer, prior to the Contractor commencing the repair work must approve the method of repair. Repairs may include complete removal and replacement if the Engineer considers the damage severe.

A butt joint and a ten (10) foot transition between pavement being replaced and pavement remaining in place shall be constructed in accordance with Article 406.08 of the Standard Specifications, except as herein modified. The Contractor shall saw to a depth two (2) inches below the existing grade or as directed by the Engineer, the joint between pavement removal and pavement being replaced, with a concrete saw. The work shall be done in such a manner that a straight joint will be secured. Butt joints shall be included in the cost of the associated pavement removal item.

This work shall be paid for at the contract unit price per square yard for HOT-MIX ASPHALT SURFACE REMOVAL, 2" or 3-1/2", which price shall include all labor, equipment, materials, butt joints and incidentals necessary to complete the work described above. The square yards of HMA Surface Removal will only be paid for once, regardless of the number of passes needed to remove the HMA surface.

PAVEMENT REMOVAL

This item of work shall be performed in accordance with the applicable portions of Section 440 of the Standard Specifications, except as herein modified.

This category will include the cost of site preparation, saw-cutting, removal and disposal of concrete, base courses and sub-bases (13"), and additional material (3" more or less) required to meet the sub-grade of the proposed street improvement.

The Contractor shall cut the joint between the portion of pavement to be removed and curb or that portion of pavement to be left in place with a sawing machine to prevent spalling. This work shall be to the full depth of the pavement. It is the Contractors responsibility to determine the thickness of the existing pavement and whether or not it contains reinforcement.

This work shall be paid for at the contract unit price per square yard for PAVEMENT REMOVAL, which price shall include all labor, equipment, materials and incidentals necessary to complete the work described above.

PORTLAND CEMENT CONCRETE PAVEMENT, 8” (JOINTED)

This work shall be done in accordance with Section 420 of the Standard Specifications, except as herein modified.

A minimum of 8” Portland Cement Concrete pavement (PCC) shall be designed and reinforced in accordance with IDOT standards (refer to provision for PORTLAND CEMENT CONCRETE MIX DESIGN). PCC pavement shall be tied to curb and gutter with #6 epoxy coated tie bars at 24 inch centers. Refer to IDOT Standards BD-24, BLR 10-6, BLR 14-10, 420.01 and 420.06. All reinforcements shall be considered incidental to the contact unit price for this pay item.

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 finished surface shall be tested for smoothness. Refer to Articles 420.10 and 407.09 of the Standard Specifications.

This work will be paid for at the contract unit price per square yard for PORTLAND CEMENT CONCRETE PAVEMENT, 8” (JOINTED), which price shall include all labor, equipment, materials, reinforcements, protective coat, surface testing and incidentals necessary to complete the work as described above.

SUBBASE GRANULAR MATERIAL, TYPE B

This work shall be done in accordance with Section 311 of the Standard Specifications, except as herein modified

PCC pavement shall have a minimum 5-inch of sub-base granular material, IDOT approved CA-6, Type B. Milled asphalt meeting aggregate sub-grade specifications cannot be used for sub-base granular material. In cases where an additional cross section may be needed for the sub-grade, 9" of aggregate material (crushed limestone gravel) conforming to gradation specifications as outlined in Section 1004.05 shall be used. Milled asphalt or the blending of asphalt millings with crushed aggregate material is not allowed for use in either the sub-grade or sub-base material.

This work shall include all labor, materials and equipment necessary to place sub-base granular material as shown in the Contract Documents or directed by the Engineer. This work shall be paid for at the Contract Unit Price per ton for SUBBASE GRANULAR MATERIAL, TYPE B

CLASS B PATCHES, TYPE II, 9 INCH

This work shall consist of construction of Class B Patches of the type and depth specified in the Contract Documents and/or directed by the Engineer. This work shall be performed as per Section 442 of the Standard Specifications.

This work shall be paid for at the contract unit price per square yard of CLASS B PATCHES, TYPE II, 9 INCH, which this price shall include all labor, equipment, materials, and incidentals necessary to complete the work as described above.

CLASS D PATCHES, TYPE II, 6 INCH

This work shall consist of construction of Class D Patches of the type and depth specified in the Contract Documents and/or directed by the Engineer. This work shall be performed as per Section 442 of the Standard Specifications, except as herein modified.

Saw cutting shall not be paid for separately, but shall be included in the contract unit price for CLASS D PATCHES, TYPE II, 6 INCH.

On roadways to be resurfaced, the thickness of the proposed patches is required to be six inches (6") after milling. The existing pavement shall be removed to such depth that will permit construction of a six-inch (6") deep patch below the proposed milled surface. No additional payment will be allowed for additional excavation or other work necessary for compliance with this requirement.

This work shall be paid for at the contract unit price per square yard of CLASS D PATCHES, TYPE II, 6 INCH, which this price shall include all labor, equipment, materials, and incidentals necessary to complete the work as described above

HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50

This work shall include all labor, materials and equipment required to place HMA surface course as stated in the Contract Documents, or as directed by the Engineer, and in accordance with the requirements of Section 406 of the Standard Specifications, except as

herein modified, and with the exception that Reclaimed Asphalt Pavement must follow Use of "RAP & RAS (D-1) Special Provisions."

The Contractor shall coordinate the work so that the period of time between the placement of the HMA binder course and the placement of the HMA surface is kept to a minimum. This period shall not exceed **14 calendar days**. The Engineer shall determine if an extension of time will be allowed due to weather or other unforeseen circumstances. The Engineer shall assess liquidated damages of \$2000 per day for each day after the 14 calendar days have passed without approval for a time extension. Punch list items shall be addressed before the surface course is placed.

This work shall be paid for at the Contract Unit Price per ton for HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, which price shall include all labor, equipment, materials and incidentals necessary to complete the work described above.

BITUMINOUS MATERIALS (PRIME COAT)

This work shall be done in accordance with applicable portions of Section 406 of the Standard Specifications, except as herein modified.

Shields, covers or other suitable equipment shall be provided by the Contractor to protect the motoring public, adjoining pavement, curbs, or structures during the application of the prime coat.

The Contractor will be required to present a weight ticket for the truckload prior to applying the prime coat. After application the truck shall be weighed again in order to determine the net weight of the prime coat that has been placed.

This work shall be completed Monday through Friday ONLY. No weekend work allowed unless requested in writing and authorized by the Engineer. The Contractor shall not place Bituminous Materials (Prime Coat) prior to 7:00 AM on any street. Forty-eight (48) hours prior to priming, FRESH OIL BEING PLACED ON (the day of the week) signs shall be installed in advance of the area to be primed and twenty-four hours prior to priming,

NO PARKING signs shall be placed throughout the area to be primed. The NO PARKING signs shall not be placed on parkway trees. These signs shall be maintained until the prime coat is adequately cured. This work shall be included in TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

This work shall include all labor, materials and equipment necessary to place a HMA prime coat as shown in the Contract Documents or directed by the Engineer. This work shall be paid for at the Contract Unit Price per gallon for BITUMINOUS MATERIALS (PRIME COAT).

PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT

This work shall be in accordance with applicable portions of Sections 351, 423, and 440 of the Standard Specifications, except as herein modified.

This work shall include removal and disposal of excavated material for Portland Cement Concrete (P.C.C.) driveways located throughout the project limits. Excavated materials shall include but not limited to Portland cement concrete pavement, HMA concrete pavement, aggregate subbase and soil. Excavation to subgrade shall not be paid for separately, but shall be included in the cost of PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT.

During the removal of this material and preparation for placement of P.C.C. material a tolerance of no more than one-foot of the existing limits shall be exceeded for restoration. All restoration outside of these limits shall be included in the cost of PORTLAND DRIVEWAY REMOVAL AND REPLACEMENT.

This work shall include placement of four (4) inches of aggregate base course under six (6) inches of Portland Cement Concrete. 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.

All homeowners shall be given a minimum 24 hours notice prior to excavation of their driveway. This item includes all driveways removed due to conflict with work items included in the Contract Documents or as directed by the Engineer. Any driveway damaged by the Contractor will not be paid separately, but shall be replaced at the Contractor's own expense.

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.

This work shall be paid for at the contract unit price per square yard for PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT, which price shall include all labor, materials, equipment, protective coat and incidentals necessary to complete the work as described above.

HOT-MIX 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 and disposal of excavated material for Hot-Mix Asphalt (HMA) driveways located throughout the project limits. Excavated materials shall include but not limited to Portland cement concrete pavement, HMA concrete pavement, aggregate subbase and soil. Excavation to subgrade shall not be paid for separately, but shall be included in the cost of HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT.

This work shall include 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 sub base.

All homeowners shall be given a minimum 24 hours notice prior to excavation of their driveway. This item includes all driveways removed due to conflict with work items included in the Contract Documents or as directed by the Engineer. Any driveway damaged by the Contractor will not be paid separately, but shall be replaced at the Contractor's own expense.

During the removal of this material and preparation for placement of HMA material a tolerance of no more than one-foot of the existing limits shall be exceeded for restoration. All restoration outside of these limits shall be included in the cost of HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT.

This work shall be paid for at the contract unit price per square yard for HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, which price shall include all labor, material, equipment, and incidentals necessary to complete the work as described above.

SIDEWALK REPAIR (SPECIAL)

The work shall be done in accordance with applicable portions of Sections 351, 424, and 440 of the Standard Specifications, Standard 424001, except as herein modified.

This work shall consist of removal of the existing concrete sidewalk and replacement as stated in the Contract Documents and/or as directed by the Engineer. The work shall include the removal of existing sidewalk, removal of 4" of existing base course, placement of four (4) inches of aggregate base course (CA-6 or approved equal) and placement of new P.C.C. sidewalk.

All new construction or reconstruction projects are required to utilize truncated domes on 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. Refer to attached detail for truncated dome specifications. Use of inserted truncated dome

plates, conforming to Federal Standard color 30166 to meet the contract requirements where applicable, shall be used at all appropriate locations and shall be included in the cost of SIDEWALK REPAIR (SPECIAL).

During the removal of this material and preparation for placement of P.C.C. material a tolerance of no more than one-foot of the existing limits shall be exceeded for restoration. All restoration outside of these limits shall be included in the cost of this item.

Any excavation required for the purposes of placing aggregate base course to the proper elevation, all form work, and placement of P.C.C. material for the proposed sidewalk shall be included in the cost of this pay item. Any excavated material shall be disposed of at a suitable off-site location. Any damage to the existing sidewalk and driveways remaining in place due to forming methods or the removal operation shall be replaced to the satisfaction of the Engineer at the Contractor's own expense.

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.

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.

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.

This work shall be paid for at the contract unit price per square foot for SIDEWALK REPAIR (SPECIAL), which price shall include all labor, equipment, materials, protective coat and incidentals necessary to complete the work as described above.

CURB REMOVAL AND REPLACEMENT

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

This work shall consist of the removal and replacement of the existing curb and gutter, excavation of material four (4) inches below the new curb, and placement of four (4) inches of aggregate base course (CA-6 or approved equal) at locations as directed by the Engineer.

The type of replacement concrete curb and gutter shall match the existing curb and gutter or be of the type specified by the Engineer. The thickness of the proposed gutter flag shall match the thickness of the adjacent pavement but in no case be less than nine (9) 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 include in the contract unit price for CURB 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.

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 associated pay item.

In curb and gutter sections to remain and where cracks exist, the contractor shall clean, rout and seal cracks with an approved polysulfide sealer (Standard Specifications, Article 606)

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 include in the contract unit price for CURB REMOVAL AND REPLACEMENT.

The Contractor must schedule the removal and replacement 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 shall be given a minimum of 24 hours notice prior to excavation of their driveway. 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.

Disturbed pavement, driveway and parkway areas shall be restored immediately following replacement operations, in all cases within **3 calendar days** from the date curb and gutter is cast. 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.

During the removal of this material and preparation for placement of P.C.C. material a tolerance of no more than one-foot of the existing limits shall be exceeded for restoration. All restoration outside of these limits shall be included in the contract unit price for this item. The Engineer shall stop the Contractor from further removal operations at any time he determines the restoration is not being done in a timely manner.

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.

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

SODDING, SPECIAL

This work shall consist of preparing the ground surface, furnishing and applying topsoil, fertilizing the area to be sodded, and furnishing, placing and watering the sod. The sod shall meet the requirements of Article 1081.03 for Salt Tolerant Sod. All work shall be in accordance with the applicable portions of Sections 211 and 252 of the Standard Specifications, except as herein modified.

The preparation of the ground surface shall include the removal of the existing sod and excavation, if necessary, of the existing ground to depth, which will permit placement of the required 4 inches of topsoil. Existing landscape areas outside the limits of construction that are damaged by the Contractor or its representatives for temporary storage of materials

will not be measured for payment, but shall be replaced at the Contractor's expense. It is recommended that the Contractor familiarize themselves with the tolerances set forth for damage limits specified in this contract to assure compliance is met.

This work shall be measured in placed and the area calculated in square yards and shall be paid for at the contract unit per square yard for SODDING, SPECIAL, which price shall be full compensation for all labor, equipment, topsoil and materials to complete the work as specified in these special provisions.

REMOVE AND REPLACE, FIRE HYDRANT, AUXILIARY VALVE, VALVE BOX AND INSTALL STABILIZER

This work shall consist of the removal and replacement of fire hydrants, auxiliary valves and valve boxes at locations as shown on the plans or as directed by the Engineer. These existing materials shall be delivered to the Department of Public Works.

All new fire hydrants shall conform to the following requirements:

Fire Hydrant:

- a. Approved Models: (Refer to standard Fire Hydrant Detail)
 - i. Mueller Super Centurion 200
 - ii. Waterous Pacer Model WB-67-250
 - iii. Clow Medallion
 - iv. All hydrants shall have:
 1. 6" mechanical joint connection
 2. 5 ¼" valve opening
 3. 5" cover over hydrant lateral
 4. 6" valve on lateral
 5. "Hydrfinder" standard hydrant locator, installed
 6. Valve box shall have a valve box stabilizer installed *
*(Valve box adaptor #2 type A, as made by Adaptor, Inc. or approved equal)
- b. Fire Hydrant Paint: Safety Red, Sherwin Williams 'Shercryn' 6403-31922, B66R300
- c. Bolts Placed Underground: All below grade factory installed bolts and fasteners shall be 304-grade stainless steel.

Contractors shall familiarize themselves with the City of St. Charles Public Works Engineering Details for more detailed specifics.

All fire hydrants shall be equipped with an auxiliary valve and cast iron valve box. The auxiliary valve shall be six-inch (6") ductile iron water pipe conforming to AWWA Standard C151, C111, and C104. The valve boxes shall be of the adjustable type, shall be set at finished grade, and shall have the valve box covers stamped "Water".

This item shall be paid for at the contract unit price per each for REMOVE AND REPLACE, FIRE HYDRANT, AUXILIARY VALVE, VALVE BOX AND INSTALL STABILIZER, which price shall include the cost of all labor, materials, and equipment necessary to install the fire hydrant with auxiliary valve and line extension as detailed in the Sewer and Water Specifications and to the satisfaction of the Engineer.

REMOVE & REPLACE B-BOX IN DRIVEWAY OR SIDEWALK

This work shall consist of the removal and replacement of B-Boxes at locations as indicated on the plans or as directed by the Engineer. Contractors shall familiarize themselves with the City of St. Charles Public Works Engineering Details for more detailed specifics. B-Boxes in driveways and sidewalks shall be adjusted as needed when work is done. The cost of adjusting the B-Box to finished grade shall be included in the cost of this pay item.

This work shall be paid for at the contract unit price each for REMOVE & REPLACE B-BOX IN DRIVEWAY OR SIDEWALK, which price shall include all labor, material, removal and disposal of excavated materials, granular trench backfill and equipment necessary to complete the work specified to comply with the City of St. Charles requirements.

RESET or REPLACE 5-1/4" AUXILIARY VALVE BOX & INSTALL STABILIZER

This work shall include the adjustment of existing valve boxes to match the proposed surface, or the replacement of valve boxes, at locations as shown on the plans or as directed by the Engineer. In order to make the necessary adjustment, the Contractor must provide either slide type or screw type extensions for the existing valve box. It shall be the Contractor's responsibility to ascertain the type of the existing valve box. The contractors shall familiarize themselves with the City of St. Charles Standard Engineering details and requirements.

This item will be paid for at contract unit price each for RESET or REPLACE 5-1/4" AUXILIARY VALVE BOX & INSTALL STABILIZER which price shall include all labor, material, including extension pieces if required, and equipment necessary to complete the work specified to comply with the City of St. Charles requirements.

REPLACE VALVE BOX WITH VALVE VAULT, (I.D.-48")

This work shall consist of the removal of the existing valve box, and the installation of a 48" diameter valve vault at locations as shown on the plans or as directed by the Engineer, and shall be done in accordance with City of St. Charles Standards, and the Standard Specifications for Water and Sewer Main Construction in Illinois, most current edition. Valve vault shall be constructed of 6" wide reinforced concrete sections conforming to ASTM C-478. Butyl rubber strips shall be placed between the tongue and groove sections. The Contractor shall be responsible for measurement of the depth of the new structure sections and pipe sizes required for replacement. The Contractor shall be responsible for

verifying in the field the proposed structure's rim and water main elevation before ordering or commencing with the work.

The Contractor shall adhere to guidelines for the final adjustment of the frame and cover based on the location of the structure. Refer to special provision for FINAL ADJUSTMENT OF FRAME & COVER.

This work shall be paid for at the contract unit price each for REPLACE VALVE BOX WITH VALVE VAULT, (I.D.-48"), which price shall include all labor, material, equipment, and incidentals necessary to complete the work specified to comply with the City of St. Charles requirements. Contractors shall familiarize themselves with the City of St. Charles Public Works Engineering Details for more detailed specifics.

REMOVE & REPLACE 6" VALVE & VALVE VAULT (I.D. – 48")

This work shall include removal and installation of a 6" right hand closing resilient wedge gate valve conforming to AWWA Standard C-509 as manufactured by Clow Corporation, Waterous Company or approved equal, and 48 inch diameter valve vault at locations as shown on the plans or as directed by the Engineer,

The installation of the valve vault shall be done in accordance with City of St. Charles Standards, and the Standard Specifications for Water and Sewer Main Construction in Illinois, most current edition. Valve vault shall be constructed of 6" wide reinforced concrete sections conforming to ASTM C-478. Butyl rubber strips shall be placed between the tongue and grove sections. The Contractor shall be responsible for measurement of the depth of the new structure sections and pipe sizes required for replacement. The Contractor shall be responsible for verifying in the field the proposed structure's rim and water main elevation before ordering or commencing with the work.

The Contractor shall adhere to guidelines for the final adjustment of the frame and cover based on the location of the structure. Refer to special provision for FINAL ADJUSTMENT OF FRAME & COVER.

This work shall be paid for at the contract unit price for REMOVE & REPLACE 6" VALVE & VALVE VAULT (I.D.-48"), which price shall include all labor, equipment, materials and incidentals necessary to complete the work as described above.

REMOVE 12" VALVE & VAULT (I.D.-48") CUT MAIN & CAP TEE

This work shall consist of the removal of a 12" diameter valve and a 48 "diameter valve vault, and the work required to cap the tee at the existing water main at the location as shown on the plans. The work shall be constructed in accordance with the applicable sections of the Section 40 and 41 of the "Standard Specifications for Water and Sewer Main Construction in Illinois", the latest edition, and the City of St. Charles standards.

This work shall be paid for at the contract unit price each for REMOVE 12" VALVE & VAULT (I.D.-48") CUT MAIN & CAP TEE, which price shall include all labor, material, removal and disposal of excavated materials, granular trench backfill and equipment necessary to complete the work specified to comply with the City of St. Charles requirements.

LOWER 4" CLASS 52 DUCTILE IRON WATER MAIN

This work shall consist of the removal and lowering of a 4 inch diameter water main as indicated on plans or as directed by the Engineer. The methods and procedures used to disconnect the existing water main and services, lowering of water main pipe and reconnecting to existing water main shall be coordinated with the City of St. Charles Public Works department and shall be approved by the Engineer. Scheduling of the construction of the water main shall be strictly enforced. The work shall be constructed in accordance with the applicable sections of the Section 40 and 41 of the "Standard Specifications for Water and Sewer Main Construction in Illinois", the latest edition, and the City of St. Charles standards.

A. Water Main Pipe:

- Ductile Iron Class 52, conforming to AWWA Standard C-151.
 - i. Cement Lining, conforming to AWWA Standard C-104.
 - ii. Mechanical or push-on joints shall conform to AWWA Standard C-111.
 - iii. At minimum, Type 3 laying conditions shall be provided, conforming to AWWA Standard C-600.
- All water mains shall be encased in a High Density polyethylene encasement With its material specifications and installation method in accordance with ANSIAWWA C105/A21.5, ASTM A674, using "Method A" installation.
- All side yard and rear yard water mains not directly adjacent to public roadways or paved surfaces shall be Ductile Iron Pipe, Class 55 with a type 5 laying condition.
- Brass Wedges shall be installed to provide electrical conductivity.

B. Joint Restraint:

All mechanical joint fittings shall have restraining glands installed. Restraint device shall be Uni-flange by Ford Company or Mega-lug by EBAA Iron. Push joint pipe restraint shall be Field Lock Gaskets by US Pipe or Series 1700 Mega-lug or Series 1390 Pipe Restraint by Ford. Lengths of pipe restraint shall be determined from manufacturers installation specifications (refer to watermain restraint detail).

C. Thrust Blocking

Concrete thrust blocks, as shown on the plans and/or directed by the Engineer, shall be constructed at plugs, tees, and bends of 3000 psi. concrete in accordance with section 41-2.09 of the "Standard Specifications for Water and Sewer Main Construction in Illinois", latest edition, and City of St. Charles standards. The concrete thrust blocks shall completely fill the space between the bends or fittings and the walls of the trench from 6 inches below the fittings to 12 inches above the fitting with no possible interference with the making or remaking of the joints. In addition to the concrete thrust blocking all mechanical joints, bends of 22 degrees and larger, and fire hydrants shall be a "Megalug" restraint or approved equal. Bolts shall be "Cor-ten". This work shall be considered incidental to the cost of the water main.

The contractor shall use minimum 10 inch diameter casing pipe where the horizontal and vertical separation fall within the guidelines stated in Section 41-2 of the "Standard Specifications for Water & Sewer Main Construction in Illinois" latest edition. Contractors shall familiarize themselves with the City of St. Charles Public Works Engineering Details for more detailed specifics. The casing pipe shall be paid for under a separate bid item.

This work as described above, shall be paid for at the Contract Unit price per lineal foot for LOWER 4" CLASS 52 DUCTILE IRON WATER MAIN, which price shall be payment in full for all labor, materials, including all fittings (bends, wyes, tees, reducers, plugs, sleeves) pipe, polyethylene encasement, thrust blocks, Mega-lugs, chlorination, and equipment required for a complete and operational installation, removal and disposal off-site of excavated material, trench and stockpile protection (fencing), bedding and granular trench backfill (CA-7 virgin crushed limestone) and incidentals necessary to complete the work specified to comply with the City of St. Charles requirements.

REMOVE AND REPLACE SANITARY MANHOLE (I.D.-48")

This work shall consist of the removal and replacement of existing regular depth sanitary manholes with minimum 48" inner diameter reinforced, precast concrete bases and sections as indicated in the plans and specifications or as directed by the Engineer.

Manholes shall conform to ASTM 478. Steps shall be made of steel reinforced plastic, using an approved plastic meeting ASTM D4101, Type II, Grade 49108, over a #3 grade 60, and ASTM A615 reinforcing bar. The Contractor shall be responsible for measurement of the depth of the new structure sections and pipe sizes required for replacement. The Contractor shall be responsible for verifying in the field the proposed structure's rim and invert elevation before ordering or commencing with any sewer work. Manhole installation shall comply with ASTM C 891. Contractors should familiarize themselves with the City of St. Charles Standard Engineering Details for Sanitary Manholes.

The Contractor shall adhere to guidelines for the final adjustment of the frame and cover based on the location of the structure. Refer to special provision for FINAL ADJUSTMENT OF FRAME & COVER.

This work shall be paid for at the contract unit price each for REMOVE AND REPLACE SANITARY MANHOLE (I.D.-48”), which price shall be payment in full for performing the work as specified therein and shall include all saw-cutting, all excavation, supply and compaction of granular backfill (refer to City of St Charles standard details for specifics). Also included in the unit cost will be any flexible manhole pipe boots with stainless steel bands and Cor-ten bolts, new frames and lids, additional barrel sections for extra depth manholes, frame sealing to the barrel section (mortar in paved areas), any necessary structure adjustments required to match final grades, internal chimney seal supply and installation, and the replacement or relaying of sewer pipes as necessary (minimum 3-feet), which included all necessary connectors (non-shear mission bands). All items addressed, including any necessary pavement patches required around the structure, shall be included in the contract unit price for this bid item.

SANITARY MANHOLE CHIMNEY SEAL

For all sanitary sewer manholes, chimney seals shall be provided. Refer to special provision for REMOVE & REPLACE SANITARY MANHOLE (I.D.-48”).

Chimney seals shall be internal or external as directed by the Engineer. Chimney seal installation work shall include furnishing and installing an internal or external chimney seal as manufactured by “Cretex Specialty Products”, or approved equal by the City, and any necessary materials to provide a complete job. For sanitary manhole rim adjustments this work shall be paid for at the contract unit price for SANITARY MANHOLE CHIMNEY SEAL.

SANITARY SEWER REMOVAL AND REPLACEMENT, 8 or 10”

This work shall consist of the replacement of existing sanitary sewer main pipe sections as indicated on drawings and/or as directed by the Engineer.

A. Material – Sanitary Sewer System:

Plastic Polyvinyl Chloride (PVC) Pressure-rated pipe, conforming to ASTM D 2241, SDR 26. Plastic Pressure pipe joints shall be in conformance with ASTM D3139, using Flexible Elastomeric Seals.

Pipe installation shall conform to the requirements of the latest version of the Standard Specification for Water and Sewer Main Construction in Illinois, Section 31-1.02 to 31-1.10 inclusive, ASTM D 2321 and City of St Charles requirements.

It is the Contractors responsibility to field verify the exact locations and elevations of existing utilities and existing sewer service connections and coordinate with the Engineer any changes to the proposed utility layout and/or elevations.

All newly installed sewer lines and existing public sewer systems abutting the project must be televised and reported. A current color videotape record and a type written transcription of an internal inspection of the newly constructed storm and sanitary sewer system shall be submitted and approved by the Public Works Engineering Division before pavement placement. The Contractor must rotate the lens of the camera to look at all services. The service connections must be noted in the television report.

Non-shear mission couplings shall be used for connections to existing sanitary sewer pipe. The Contractor shall refer to the City of St. Charles Standard Engineering details for all pipe connections, trench backfill and bedding requirements, and service installation requirements. Unnecessary joints in the replaced section of pipe will not be allowed.

This item shall be paid for at the contract unit price per linear foot of 8" or 10" SANITARY SEWER REMOVAL AND REPLACEMENT, which price shall be payment in full for all labor, material, and equipment necessary for the removal and disposal of the excavated material, removal of existing pipe, pipe bedding preparation, fittings, gaskets, connection to existing service connections and manholes, supply and compaction of granular trench backfill, testing and video-taping per City's requirements, all for complete installation.

SANITARY MANHOLES TO BE RECONSTRUCTED

This work shall consist of the removal and replacement of existing regular depth sanitary manhole barrel and cone section with minimum 48" inner diameter reinforced, precast concrete barrel and cone sections as indicated in the plans and specifications or as directed by the Engineer.

Manhole sections shall be conforming to ASTM 478. Steps shall be made of steel reinforced plastic, using an approved plastic meeting ASTM D4101, Type II, Grade 49108, over a #3 grade 60, and ASTM A615 reinforcing bar. The Contractor shall be responsible for measurement of the depth of the new structure sections required for replacement. Manhole installation shall comply with ASTM C 891. Contractors should familiarize themselves with the City of St. Charles Standard Engineering Details for Sanitary Manholes.

The Contractor shall adhere to guidelines for the final adjustment of the frame and cover based on the location of the structure. Refer to special provision for FINAL ADJUSTMENT OF FRAME & COVER.

This work shall be paid for at the contract unit price each for SANITARY MANHOLES TO BE RECONSTRUCTED which price shall be payment in full for performing the work as specified therein and shall include all saw-cutting, excavation, supply and compaction of granular backfill (refer to City of St Charles standard details for specifics). Also included in the unit cost will be any rings, mortar, cone sections, barrel sections, new frame and lid,

frame sealing to the barrel section (mortar and solid steel shims in paved areas), any necessary structure adjustments required to match final grades, internal chimney seal supply and installation, All items addressed, including any necessary concrete frame stabilization and pavement patches required around the structure, shall be included in the contract unit price for SANITARY MANHOLES TO BE RECONSTRUCTED.

SANITARY SEWER SERVICE REMOVAL AND REPLACEMENT, 6”

The City has acquired for its use, certain information relating the location of service connections to existing sanitary sewers. Sewer inspection videotapes and reports may be examined by the Contractor and are available at the office of the City of St. Charles, Department of Public Works. Contractor shall use this information for whatever value they consider it worth, since locations are not guaranteed. The Contractor shall locate each active existing sewer service during construction.

Inactive break-ins and wyes may exist. The Contractor shall verify them by making contact with the City of St. Charles and with residents of each property and/or performing other investigations to determine active use. Contractor shall remove and replace services using 6” diameter PVC SDR-26 pipe as shown on the plans or as directed by the Engineer. Connection between the existing and new service shall include a non-shear mission band coupling. Services are to be connected to the main sewer using wye connections. Contractor shall maintain the flow from the active services whenever possible and minimize the disconnection time.

Payment will be made at the contract unit price per foot for SANITARY SEWER SERVICE REMOVAL AND REPLACEMENT, 6” to include for all excavation, the removal and disposal of the excavated material and existing pipe, auguring as necessary, pipe, bends, pipe bedding, supply and compaction of granular trench backfill, installation, and fittings, as required to replace the existing sanitary service. Contracts shall refer to City of St. Charles sanitary service detail.

REMOVE AND REPLACE STORM MANHOLE, I.D-48”

This work shall consist of the replacement of existing storm manholes of the diameter noted on the plans or as directed by the Engineer. The Contractor is to provide precast concrete reinforced manholes complying with ASTM 478 standards.

This work shall be in accordance with Section 602 of the Standard Specifications and the City of St. Charles requirements. The Contractor shall be responsible for verifying in the field the proposed structure’s rim and invert elevations, and pipe diameters.

The type of lid or grate (open, closed, etc.) shall be as indicated on the drawings or as directed by Engineer. Type 3 frames shall be Neenah R-3277-A, combination frame, grate and curb box. All structures with open lids or grates shall be provided with temporary silt filter baskets. Manhole installation shall comply with ASTM C 891. The Engineer will

work with the Contractor to stake proposed structure location. Approval shall be obtained before commencing with structure installation.

The Contractor shall adhere to guidelines for the final adjustment of the frame and cover based on the location of the structure. Refer to special provision for FINAL ADJUSTMENT OF FRAME & COVER.

This work shall be paid for at the contract unit price each for REMOVE AND REPLACE STORM MANHOLE, I.D.-48", which price shall be payment in full for performing the work as specified therein and shall include new frame and lid, all excavation, removal of excavated material and disposal of removed structures, supply and compaction of trench backfill (refer to City specifications for type of backfill material based on location of structure). All items addressed, including steel reinforced polyurethane steps, all pipe reconnections (with a minimum of 3 feet of pipe to be replaced), all non-shear mission bands, frame, frame sealing to the barrel section (mortar in paved areas, easy stick in parkway areas), grate and lid installation, erosion control measures and any necessary structure adjustments required to match final grades.

ABANDON EXISTING STORM STRUCTURE

This work shall be in accordance with Section 605 of the Standard Specifications, except as herein modified. This work shall consist of the abandonment of existing storm structures where indicated in the plans and specifications or as directed by the Engineer.

The existing frames and lids shall remain the property of the City of St Charles. The Contractor shall deliver the existing frames and lids to the City of St Charles Public Works facility or as directed by the Engineer. Structures under pavement shall be filled with course aggregate CA-7 (virgin crushed limestone). Structures in parkway shall be filled with fine aggregate FA-6, (fine clean brown Beach Sand).

This work shall be paid for at the contract unit price each for ABANDON EXISTING STORM STRUCTURE, which price shall be payment in full for all labor, material, and equipment necessary for the removal and disposal of the excavated material, removal of existing pipe, reconnection of pipes to remain in service, pipe bedding preparation, fittings, gaskets, connection to existing service connections and manholes, supply and compaction of granular trench backfill, pavement patches required around the structure, testing and video-taping per City's requirements, all for complete installation.

48" DIA. STORM MANHOLE IN PAVEMENT or PARKWAY

This item shall consist of the installation of new precast manhole, (Type A with a new Type 1 Frame and Lid). All work shall be in accordance with the applicable portions of Sections 602 and 604 of the Standard Specifications and the City of St. Charles requirements. The contractor shall furnish the new frames and lids. The Contractor is to provide precast concrete reinforced manholes complying with ASTM 478 standards.

The Contractor shall adhere to guidelines for the final adjustment of the frame and cover based on the location of the structure. Refer to special provision for FINAL ADJUSTMENT OF FRAME & COVER.

This work shall be paid for at the contract unit price for 48" DIA. STORM MANHOLE IN PAVEMENT or PARKWAY, which price shall include all labor, equipment, materials and incidentals necessary to complete the work as described above, including any necessary structure adjustments required to match final grades.

REMOVE AND REPLACE INLET or CATCH BASIN

This work shall consist of the replacement of existing inlets or catch basins of the diameter noted on the plans or as directed by the Engineer. The Contractor is to provide precast concrete reinforced manholes complying with ASTM 478 standards.

This work shall be in accordance with Section 602 of the Standard Specifications and the City of St. Charles requirements. The Contractor shall be responsible for verifying in the field the proposed structure's rim and invert elevations, and pipe diameters.

The type of lid or grate (open, closed, etc.) shall be as indicated on the drawings or as directed by Engineer. Type 3 frames shall be Neenah R-3277-A, combination frame, grate and curb box. All structures with open lids or grates shall be provided with temporary silt filter baskets. Catch basin installation shall comply with ASTM C891. The Engineer will work with the Contractor to stake proposed structure location. Approval shall be obtained before commencing with structure installation.

The Contractor shall adhere to guidelines for the final adjustment of the frame and cover based on the location of the structure. Refer to special provision for FINAL ADJUSTMENT OF FRAME & COVER.

Sediment control shall consist of furnishing, installation, maintenance and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag to collect sediment in surface storm water runoff, in accordance with Article 280.04(c) of the Standard Specifications at locations as directed by the Engineer.

This work shall be paid for at the contract unit price each for REMOVE AND REPLACE CATCH BASIN, which price shall be payment in full for performing the work as specified therein and shall include new frame and lid, all excavation, removal of excavated material and disposal of removed structures, sediment control, supply and compaction of trench backfill (refer to City specifications for type of backfill material based on location of structure). All items addressed, including steel reinforced polyurethane steps, all pipe reconnections (with a minimum of 3 feet of pipe to be replaced), all non-shear mission bands, frame, frame sealing to the barrel section (mortar in paved areas, easy stick in parkway areas), grate and lid installation, erosion control measures and any necessary

structure adjustments required to match final grades, shall be included in the contract unit price for REMOVE AND REPLACE INLET or CATCH BASIN.

RESET or REMOVE AND REPLACE FRAMES AND LIDS (PAVEMENT, CURB, SIDEWALK or PARKWAY)

This work shall consist of the adjustment of existing structures, removal and disposal of existing frames and lids not designated for reuse, and the installation of new frames and lids in locations as shown on the drawings, to the proper finished grade as designated by the Engineer. All work shall be in accordance with the applicable portions of Section 603 and 604 of the Standard Specifications, except as herein modified, and the City of St. Charles requirements.

The Contractor shall be responsible for the loading transporting and unloading of new frames and lids on the job site. The existing frames and lids shall remain the property of the City of St Charles. The Contractor shall deliver the existing frames and lids to the City of St Charles Public Works facility, or as directed by the Engineer. This work shall include the removal of all existing masonry/concrete adjusting rings, and adjustment to the proper finished grade with concrete adjusting rings.

Sanitary manholes shall include the installation of internal chimney seals. The chimney seals shall be as manufactured by “Cretex” Specialty Products or an Engineer approved equivalent. Refer to provision for SANITARY MANHOLE CHIMNEY SEAL.

The Contractor shall adhere to guidelines for the final adjustment of the frame and cover based on the location of the structure. Refer to special provision for FINAL ADJUSTMENT OF FRAME & COVER.

Sediment control shall consist of furnishing, installation, maintenance and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag to collect sediment in surface storm water runoff, in accordance with Article 280.04(c) of the Standard Specifications at locations as directed by the Engineer.

Manholes, catch basins, inlets, and valve vaults shall all be considered as structures for this pay item. This item shall be paid for at the contract unit price per each for RESET or REMOVE AND REPLACE FRAMES AND LIDS (PAVEMENT, CURB, SIDEWALK or PARKWAY). This price shall include labor, materials, equipment and sediment control required for resetting the existing frame and lid, including the preformed HMA joint sealant or mortar.

STORM SEWER SERVICE, PVC SDR 26, 6”

The City has acquired for its use, certain information relating to the location of wyes and break-ins in the existing storm sewers. Sewer inspection videotapes and reports may be examined by the Contractor and are available at the office of the City of St. Charles, Department of Public Works. Contractor shall use this information for whatever value they

consider it worth, since locations are not guaranteed. The Contractor shall locate each active existing house sewer service during construction.

Inactive break-ins and wyes may exist. The Contractor shall verify them by making contact with the City of St. Charles and with residents of each property and/or performing other investigations to determine active use. Contractor shall construct new storm services from the storm sewer to just beyond the edge of pavement per the standard detail. Services are to be connected to the main sewer using wye connections.

Contractor shall maintain the flow from the active services whenever possible and minimize the disconnection time. Not all residences have a current storm service. In the event that no storm service exists a service is to be installed from the sewer, at a location approved by the City, to just beyond the edge of pavement per the standard detail, the adjacent curb marked, and the service capped.

Payment will be made at the contract unit price per foot for STORM SEWER SERVICE, PVC SDR 26, 6" to include for all excavation, auguring as necessary, pipe, bends, bedding, supply and compaction of granular trench backfill, installation, and fittings, as required to replace the existing, or provide a new, storm service. Contractor shall refer to City of St. Charles storm service detail for more specifics.

STORM SEWER REMOVAL AND REPLACEMENT, or STORM SEWER PIPE, VARIOUS SIZES & MATERIAL

This work shall consist of the removal and replacement of existing and/or construction of new storm sewer systems as indicated on drawings and/or as directed by the Engineer.

One of the following pipe materials shall be used for this project:

A. Storm Sewer System:

1. Plastic Polyvinyl Chloride (PVC) Pressure-Rated pipe, conforming to ASTM D 2241, SDR 21 or 26. Plastic Pressure pipe joints shall be in conformance with ASTM D3139, using Flexible Elastomeric Seals.
2. Reinforced Concrete Low-Head Pressure Pipe (RCP), conforming to ASTM C 361, Class C-25, with bell-and-spigot joints and rubber gasket with the following minimum wall thickness: 12" pipe-2 inch wall; 15" thru 24"-3 inch; 27" thru 30"3.25 inch; Above 30"-4 inch.

Pipe installation shall conform to the requirements of the latest edition of the Standard Specifications for Water & Sewer Main Construction in Illinois, Section 31-1.02 to 31-1.10 inclusive, ASTM D 2321 and City of St. Charles requirements.

It is the contractor's responsibility to field verify the exact locations and elevations of existing utilities and existing sewer service connections and coordinate with Engineer any changes to the proposed utility layout and/or elevation.

It is also contractors responsibility field verify if the existing sewer service connections are active before commencing with the appropriate, connection to the main sewer pipe, fitting installation.

Non-shear mission couplings shall be used for connections to existing storm sewer pipes. The Contractor shall refer to the City of St. Charles Standard Engineering details for all pipe connections, trench backfill and bedding requirements, and service installation requirements. Unnecessary joints in the replaced section of pipe will not be allowed.

All newly installed sewer lines and existing public sewer systems abutting the project must be televised and reported. A current color videotape record and a type written transcription of an internal inspection of the newly constructed storm and sanitary sewer system shall be submitted and approved by the Public Works Engineering Division before pavement placement. The contractor must rotate the lens of the camera to look at all services. The service connections must be noted in the television report. Non-shear Mission couplings shall be used for connection to existing storm sewer material.

This items shall be paid for at the contract unit price per linear foot of STORM SEWER REMOVAL AND REPLACEMENT, or STORM SEWER PIPE, VARIOUS SIZES, which price shall be payment in full for all labor, material, and equipment necessary for the removal and disposal of the excavated material, removal of existing pipe, bedding preparation, fittings, gaskets, connection to exiting service connections and manholes, supply and compaction of granular trench backfill, testing and video-taping per City's requirements, all for a complete installation.

ABANDON STORM SEWER PIPE - FILL WITH FLOWABLE FILL

This work shall consist of the filling with flowable fill, IDOT CLSM MIX #1, of existing storm sewer pipes under the parkway, road or other areas as shown on the plans or as directed by the Engineer. To be filled pipe diameter varies. This work includes plugging of any remaining pipe ends with a minimum of 10" brick and mortar plug.

This item shall be paid for at the contract unit price per cubic yard for ABANDON STORM SEWER PIPE - FILL WITH FLOWABLE FILL, which price shall be payment in full for all labor, material, and equipment necessary for the pipe filling.

STORM SEWER PIPE REMOVAL

This work shall consist of the removal of storm sewer at locations as shown on the plans or directed by the Engineer. All work shall be in accordance with the applicable portions of Section 551 of the Standard Specifications, and the City of St. Charles requirements.

This work shall be paid for at the contract unit price per foot for STORM SEWER PIPE REMOVAL, which price shall include all labor, material, equipment, removal and disposal of excavated material and existing pipe, supply and compaction of granular trench backfill, and incidentals necessary to complete the work specified to comply with the City of St. Charles requirements.