



VILLAGE OF VILLA PARK

CONTRACT DOCUMENTS

FOR

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT
(JACKSON TO MADISON)**

ISSUED FOR BID SEPTEMBER 22, 2017

PREPARED BY



**7325 JANES AVENUE
WOODRIDGE, ILLINOIS 60517**



**Illinois Department
of Transportation**

**Local Public Agency
Formal Contract**

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

STATE OF ILLINOIS

COUNTY DuPage
Village of Villa Park
 (Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF
 STREET NAME OR ROUTE South Michigan Ave
 SECTION NO. N/A
 TYPES OF FUNDS Local

SPECIFICATIONS (required)

PLANS (required)

CONTRACT BOND (when required)

For Municipal Projects
 Submitted/Approved/Passed

Mayor President of Board of Trustees Municipal Official

Date

Department of Transportation
 Concurrence in approval of award

Regional Engineer

Date

For County and Road District Projects
 Submitted/Approved

Highway Commissioner

Date

Submitted/Approved

County Engineer/Superintendent of Highways

Date



County DuPage
Local Public Agency Villa Park
Section Number N/A
Route South Michigan Ave

1. THIS AGREEMENT, made and concluded the _____ day of _____, Month and Year
between the Village of Villa Park
acting by and through its Board of Trustees known as the party of the first part, and
_____ his/their executors, administrators, successors or assigns,
known as the party of the second part.

2. Witnesseth: That for and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of the Engineer under it.

3. And it is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section N/A, in Village of Villa Park, approved by the Illinois Department of Transportation on N.A., Date _____, are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, The said parties have executed these presents on the date above mentioned.

Attest:
[Signature] Clerk
(Seal)



The Village of Villa Park
By [Signature]
Party of the First Part

(If a Corporation)

Corporate Name A Lamp Concrete Contractors, Inc.

By [Signature]
President Adele Lampignano Party of the Second Part

(If a Co-Partnership)

Attest:
[Signature] Secretary Adele Lampignano

Partners doing Business under the firm name of

Party of the Second Part

(If an individual)

Party of the Second Part



Illinois Department of Transportation

Contract Bond

Route South Michigan Ave
County DuPage
Local Agency Villa Park
Section N/A

Bond No. 1066389

We, A. Lamp Concrete Contractors, Inc.

a/an) [] Individual [] Co-partnership [X] Corporation organized under the laws of the State of Illinois, as PRINCIPAL, and The Hanover Insurance Company

as SURETY,

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of One Million Four Hundred Ninety Nine and 97/100--

Dollars (\$1,409,099.97), lawful money of the United States, well and truly to be paid unto said LA, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, jointly to 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 has entered into a written contract with the LA acting through its awarding authority for the construction of work on the above section, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted; and has further agreed that this bond shall inure to the benefit of any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW THEREFORE, if the said Principal shall well and truly perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 14th day of December A.D. 2017

PRINCIPAL

A. Lamp Concrete Contractors, Inc.

(Company Name)

(Company Name)

By: Adele Lampagnano (Signature & Title)

By: (Signature & Title)

Attest: Adele Lampagnano (Signature & Title)

Attest: (Signature & Title)

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

STATE OF ILLINOIS

COUNTY OF Cook

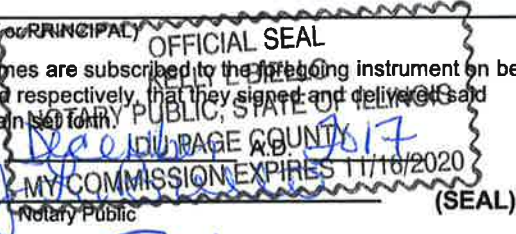
I, Kelly L. Bullock, a Notary Public in and for said county, do hereby certify that Adele Lampagnano

(Insert names of individuals signing on behalf of PRINCIPAL)

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

Given under my hand and notarial seal this 14 day of December 2017

My commission expires 11/16/2020



SURETY

The Hanover Insurance Company

(Name of Surety)

By: Todd Schaap (Signature of Attorney-in-Fact)

STATE OF ILLINOIS

COUNTY OF Kenosha

I, Kimberly S. Rasch, a Notary Public in and for said county, do hereby certify that

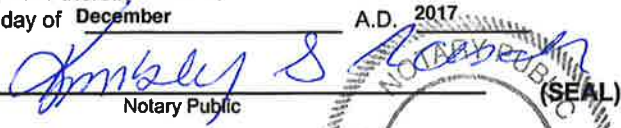
Todd Schaap

(Insert names of individuals signing on behalf of SURETY)

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

Given under my hand and notarial seal this 14th day of December A.D. 2017

My commission expires 1/22/22



Approved this 11th day of December, A.D. 2017

Attest: Joana Kupercky Village Clerk

Albert Beithaus Village of Villa Park (Awarding Authority) (Chairman/Mayor/President)

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWER OF ATTORNEY

THIS Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

KNOW ALL PERSONS BY THESE PRESENTS:

That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, (hereinafter individually and collectively the "Company") does hereby constitute and appoint,

Thomas O. Chambers, Todd Schaap, Daniel Gibson, Eric Olson, Kimberly S. Rasch, Jackie Sheldon and/or Josie Benson

Of **Shorewest Surety Services, Inc. of Racine, WI** each individually, if there be more than one named, as its true and lawful attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, any and all surety bonds, recognizances, undertakings, or other surety obligations. The execution of such surety bonds, recognizances, undertakings or surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company, in their own proper persons. Provided however, that this power of attorney limits the acts of those named herein; and they have no authority to bind the Company except in the manner stated and to the extent of any limitation stated below:

Any such obligations in the United States, not to exceed Forty Million and No/100 (\$40,000,000) in any single instance

That this power is made and executed pursuant to the authority of the following Resolutions passed by the Board of Directors of said Company, and said Resolutions remain in full force and effect:

RESOLVED: That the President or any Vice President, in conjunction with any Vice President, be and they hereby are authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as it acts, to execute and acknowledge for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons.

RESOLVED: That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile. (Adopted October 7, 1981 – The Hanover Insurance Company; Adopted April 14, 1982 – Massachusetts Bay Insurance Company; Adopted September 7, 2001 – Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this **15th** day of **March, 2017**.

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

John C. Roche, EVP and President

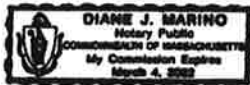


The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

James H. Kawiecki, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **15th** day of **March, 2017** before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



Diane J. Marino, Notary Public
My Commission Expires March 4, 2022

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this **14th** day of **December** **2017**

CERTIFIED COPY

Theodore G. Martinez, Vice President

DESCRIPTIONS (Continued from Page 1)

The coverage and limits conform to the minimum required by Article 107.27 of the Standard Specifications for Road and Bridge Construction.

Resulting Damage To Your Work



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem.	Retun Prem.
GLC023200901	2/05/2017	2/05/2018				

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

The following is added to Paragraph 1. **Insuring Agreement** of Section I – **Coverage A – Bodily Injury And Property Damage Liability**:

Damages because of "property damage" include damages the insured becomes legally obligated to pay because of "property damage" to "your work" or caused by "your work" and shall be deemed to be caused by an "occurrence" regardless of whether the "property damage" arises from breach of contract.

However with regard to "property damage" to "your work" included within the "products-completed operations hazard", such "property damage" shall only be deemed to be caused by an "occurrence" if:

- (1) The "property damage" is caused by work performed on your behalf by a subcontractor(s); or
- (2) The damaged work was performed on your behalf by a subcontractor(s).

All other terms and conditions of this policy remain unchanged.

Additional Insured – Automatic – Owners, Lessees Or Contractors



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	3rd Date of Exp.	Producer No.	Auto. Prem.	Resort Prem.
GL003200601	2/05/2017	2/06/2018		49549781		

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Named Insured: A Lamp Concrete Contractors, Inc.

Address (including ZIP Code): 1900 Wright Blvd.

Schaumburg, IL 60193-4517

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

A. Section II – Who Is An Insured is amended to include as an additional insured any person or organization whom you are required to add as an additional insured on this policy under a written contract or written agreement. Such person or organization is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf.

in the performance of your ongoing operations or "your work" as included in the "products-completed operations hazard", which is the subject of the written contract or written agreement.

However, the insurance afforded to such additional insured:

1. Only applies to the extent permitted by law; and
2. Will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusion applies:

This insurance does not apply to:

"Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services including:

- a. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
- b. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional architectural, engineering or surveying services.

C. The following is added to Paragraph 2. Duties In The Event Of Occurrence, Offense, Claim Or Suit of Section IV – Commercial General Liability Conditions:

The additional insured must see to it that:

1. We are notified as soon as practicable of an "occurrence" or offense that may result in a claim;
2. We receive written notice of a claim or "suit" as soon as practicable; and
3. A request for defense and indemnity of the claim or "suit" will promptly be brought against any policy issued by another insurer under which the additional insured may be an insured in any capacity. This provision does not apply to insurance on which the additional insured is a Named Insured if the written contract or written agreement requires that this coverage be primary and non-contributory.

D. For the purposes of the coverage provided by this endorsement:

1. The following is added to the Other Insurance Condition of Section IV – Commercial General Liability Conditions

Primary and Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured provided that:

- a. The additional insured is a Named Insured under such other insurance; and
 - b. You are required by written contract or written agreement that this insurance be primary and not seek contribution from any other insurance available to the additional insured.
- 2. The following paragraph is added to Paragraph 4.b. of the Other Insurance Condition of Section IV – Commercial General Liability Conditions:**

This insurance is excess over:

Any of the other insurance, whether primary, excess, contingent or on any other basis, available to an additional insured, in which the additional insured on our policy is also covered as an additional insured on another policy providing coverage for the same "occurrence", offense, claim or "suit". This provision does not apply to any policy in which the additional insured is a Named Insured on such other policy and where our policy is required by a written contract or written agreement to provide coverage to the additional insured on a primary and non-contributory basis.

E. This endorsement does not apply to an additional insured which has been added to this policy by an endorsement showing the additional insured in a Schedule of additional insureds, and which endorsement applies specifically to that identified additional insured.

F. With respect to the insurance afforded to the additional insureds under this endorsement, the following is added to Section III – Limits Of Insurance:

The most we will pay on behalf of the additional insured is the amount of insurance.

1. Required by the written contract or written agreement referenced in Paragraph A. of this endorsement; or
2. Available under the applicable Limits of Insurance shown in the Declarations, whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

All other terms and conditions of this policy remain unchanged.

Contractors Liability Supplemental Coverages And Conditions



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Adj'd. Prem.	Return Prem.
GLO0232009C1	2/05/2017	2/05/2018				

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:
Commercial General Liability Coverage Part

NON-OWNED WATERCRAFT SCHEDULE

Watercraft Length, _____ feet (If no amount is shown above, 51 feet applies.)
--

A. Non-owned Watercraft Liability Extended Coverage

Paragraph (2) of Exclusion 2.g. Aircraft, Auto Or Watercraft under Section I – Coverage A – Bodily Injury And Property Damage Liability is replaced by the following:

(2) A watercraft you do not own that is:

- (a) Less than the length shown in the Non-Owned Watercraft Schedule of this endorsement; and
- (b) Not being used to carry persons or property for a charge;

B. Damage To Premises Rented Or Occupied By You

1. The last paragraph under Paragraph 2. Exclusions of Section I – Coverage A – Bodily Injury And Property Damage Liability is replaced by the following:

Exclusions c. through n. do not apply to damage by "specific perils" to premises while rented to you or temporarily occupied by you with permission of the owner. A separate Damage to Premises Rented To You Limit of insurance applies to this coverage as described in Section III – Limits Of Insurance.

2. The paragraph directly following Paragraph (6) in Exclusion j. of Section I – Coverage A – Bodily Injury And Property Damage Liability is replaced by the following:

Paragraphs (1), (3) and (4) of this exclusion do not apply to "property damage" to premises (other than damage by "specific perils"), including "property damage" to the contents of such premises, rented to you under a rental agreement for a period of 14 or fewer consecutive days. A separate Limit of Insurance applies to Damage to Premises Rented to You as described in Section III – Limits Of Insurance.

3. Paragraph 6. of Section III – Limits Of Insurance is replaced by the following:

6. Subject to Paragraph 5. above, the Damage To Premises Rented To You Limit is the most we will pay under Coverage A for damages because of "property damage" to any one premises while rented to you, or in the case of damage by one or more "specific perils" to any one premises, while rented to you or temporarily occupied by you with permission of the owner.

4. Paragraph a. of the "insured contract" definition under the Definitions Section is replaced by the following:

- a. A contract for a lease of premises. However that portion of the contract for a lease of premises that indemnifies any person or organization for damage by "specific perils" to premises while rented to you or temporarily occupied by you with permission of the owner is not an "insured contract".
5. Paragraph (ii) under Paragraph 4.b.(1) of the **Other Insurance** Condition under Section IV – **Commercial General Liability Conditions** is replaced by the following:
- (ii) That is property insurance providing coverage for "specific perils" for premises rented to you or temporarily occupied by you with permission of the owner;
6. The following definitions are added to the **Definitions** Section:
- "Specific perils" means fire, lightning, explosion, windstorm or hail, smoke, aircraft or vehicles, riot or civil commotion, vandalism, leakage from fire extinguishing equipment, weight of snow, ice or sleet or "water damage".
- "Water damage" means accidental discharge or leakage of water or steam as the direct result of the breaking or cracking of any part of a system or appliance containing water or steam.

C. Additional Insured – Lessor Of Leased Equipment – Automatic Status When Required In Lease Agreement With You

1. Section II – **Who Is An Insured** is amended to include as an additional insured any person(s) or organization(s) from whom you lease equipment when you and such person(s) or organization(s) have agreed in a written contract or written agreement that such person(s) or organization(s) be added as an additional insured on your policy. Such person(s) or organization(s) is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your maintenance, operation or use of equipment leased to you by such person(s) or organization(s).

However, the insurance afforded to such additional insured:

- a. Only applies to the extent permitted by law; and
- b. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

A person's or organization's status as an additional insured under this endorsement ends when their contract or agreement with you for such leased equipment ends.

2. With respect to the insurance afforded to these additional insureds, this insurance does not apply to any "occurrence" which takes place after the equipment lease expires.
3. With respect to the insurance afforded to these additional insureds, the following is added to Section III – **Limits of Insurance**:

The most we will pay on behalf of the additional insured is the amount of insurance:

- a. Required by the written contract or written agreement you have entered into with the additional insured; or
- b. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

The insurance provided by this Paragraph C. shall not increase the applicable Limits of Insurance shown in the Declarations.

D. Additional Insured – Managers Or Lessors Of Premises

1. Section II – **Who Is An Insured** is amended to include as an additional insured any person(s) or organization(s) that you have agreed in a written contract or written agreement to name as an additional insured, but only with respect to liability arising out of the ownership, maintenance or use of that part of premises leased to you and subject to the following additional exclusions:

This insurance does not apply to:

- a. Any "occurrence" which takes place after you cease to be a tenant in that premises.
- b. Structural alterations, new construction or demolition operations performed by or on behalf of the additional insured manager or lessor of the premises leased to you.

However, the insurance afforded to such additional insured:

- a. Only applies to the extent permitted by law; and

b. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

2. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits of Insurance:

The most we will pay on behalf of the additional insured is the amount of insurance:

- a. Required by the written contract or written agreement you have entered into with the additional insured; or
 - b. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

The insurance provided by this Paragraph D. shall not increase the applicable Limits of Insurance shown in the Declarations.

E. Additional Insured – State Or Governmental Agency Or subdivision Or Political Subdivision – Permits Or Authorizations

1. Section II – Who Is An Insured is amended to include as an additional insured any state or governmental agency or subdivision or political subdivision that you have agreed in a written contract or written agreement or that you are required by statute, ordinance or regulation to name as an additional insured, subject to the following provisions:

- a. This insurance applies only with respect to operations performed by you or on your behalf for which the state or governmental agency or subdivision or political subdivision has issued a permit or authorization.
- b. This insurance does not apply to:
 - (1) "Bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the federal government, state or municipality, or
 - (2) "Bodily injury" or "property damage" included within the "products-completed operations hazard".

However, the insurance afforded to such additional insureds:

- a. Only applies to the extent permitted by law; and
- b. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

2. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits of Insurance:

The most we will pay on behalf of the additional insured is the amount of insurance:

- a. Required by the written contract or written agreement you have entered into with the additional insured; or
 - b. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

The insurance provided by this Paragraph E. shall not increase the applicable Limits of Insurance shown in the Declarations.

F. Personal And Advertising Injury Coverage – Assumed Under Contract Or Agreement

1. Exclusion e. of Section I – Coverage B – Personal And Advertising Injury Liability is replaced by the following:

2. Exclusions

This insurance does not apply to:

a. Contractual Liability

"Personal and advertising injury" for which the insured has assumed liability in a contract or agreement. This exclusion does not apply to:

- (1) Liability for damages that the insured would have in the absence of the contract or agreement; or
- (2) Liability for "personal and advertising injury" if:

(a) The liability pertains to your business and is assumed in a contract or agreement that is an "insured contract"; and

(b) The "personal and advertising injury" occurs subsequent to the execution of the contract or agreement.

Solely for the purposes of liability so assumed in such "insured contract", reasonable attorney fees and necessary litigation expenses incurred by or for a party other than an insured are deemed to be damages because of "personal and advertising injury", provided:

(i) Liability to such party for, or for the cost of, that party's defense has also been assumed in the same contract or agreement; and

(ii) Such attorney fees and litigation expenses are for defense of that party against a civil or alternative dispute resolution proceeding in which damages to which this insurance applies are alleged.

2. For purposes of this "personal and advertising injury" coverage only:

Paragraph d. and the second to last paragraph under Paragraph 2. of **Supplementary Payments – Coverages A and B** are replaced by the following:

d. The allegations in the "suit" and the information we know about the "occurrence" or offense are such that no conflict appears to exist between the interests of the insured and the interest of the indemnitee:

So long as the above conditions are met, attorney fees incurred by us in the defense of that indemnitee, necessary litigation expenses incurred by us and necessary litigation expenses incurred by the indemnitee at our request will be paid as Supplementary Payments. Such payments will not be deemed to be damages for "bodily injury", "property damage" or "personal and advertising injury" and will not reduce the limits of insurance.

G. Insured Contract Amendment

Paragraph f. and f.(1) through f.(3) of the "insured contract" definition under the **Definitions** Section is replaced by the following:

f. That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another to pay for "bodily injury", "property damage" or "personal and advertising injury" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Paragraph f. does not include that part of any contract or agreement:

(1) That indemnifies a railroad for "bodily injury", "property damage" or "personal and advertising injury" arising out of construction or demolition operations within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road-beds, tunnel, underpass or crossing;

(2) That indemnifies an architect, engineer or surveyor for injury or damage arising out of:

(a) Preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or

(b) Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage;

(3) Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in (2) above and supervisory, inspection, architectural or engineering activities;

(4) That indemnifies a person or organization for "personal and advertising injury":

(a) Arising out of advertising, publishing, broadcasting or telecasting done for you or on your behalf; or

(b) To an "employee" of such person or organization that does advertising, publishing, broadcasting or telecasting for you or on your behalf; or

(5) That indemnifies a labor leasing firm for "bodily injury" to "casual workers".

H. Medical Payments – Increased Reporting Period

Paragraph a. of Section I – Coverage C – Medical Payments is replaced by the following:

a. We will pay medical expenses as described below for "bodily injury" caused by an accident:

- (1) On premises you own or rent;
- (2) On ways next to premises you own or rent; or
- (3) Because of your operations;

provided that:

- (a) The accident takes place in the "coverage territory" and during the policy period;
- (b) The expenses are incurred and reported to us within three years of the date of the accident, and
- (c) The injured person submits to examination, at our expense, by physicians of our choice as often as we reasonably require.

I. Broad Bail Bond Coverage

Paragraph 1.b. under Supplementary Payments – Coverages A And B is replaced by the following:

b. The cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which the Bodily Injury Liability Coverage applies. We do not have to furnish those bonds.

J. Amendment – Duties In The Event of Occurrence, Offense, Claim or Suit

The following paragraphs are added to Paragraph 2. Duties In The Event Of Occurrence, Offense, Claim Or Suit of Section IV – Commercial General Liability Conditions:

Notice of an "occurrence" or of an offense which may result in a claim under this insurance or notice of a claim or "suit" shall be given to us as soon as practicable after knowledge of the "occurrence", offense, claim or "suit" has been reported to your officer, manager, partner or an "employee" authorized by you to give or receive such notice. Knowledge by "employees" other than your officer, manager, partner or "employee" authorized by you to give or receive such notice of an "occurrence", offense, claim or "suit" does not imply that you also have such knowledge.

In the event that an insured reports an "occurrence" to your workers compensation carrier and this "occurrence" later develops into a General Liability claim, covered by this Coverage Part, the insured's failure to report such "occurrence" to us at the time of the "occurrence" shall not be deemed to be a violation of this Condition. You must, however, give us notice as soon as practicable after being made aware that the particular claim is a General Liability rather than a Workers Compensation claim.

K. Unintentional Failure To Disclose Or Describe Hazards

Paragraph 6. Representations of Section IV – Commercial General Liability Conditions is replaced by the following:

6. Representations

By accepting this policy, you agree:

- a. The statements in the Declarations are accurate and complete;
- b. Those statements are based upon representations you made to us; and
- c. We have issued this policy in reliance upon your representations.

Coverage will continue to apply if you unintentionally:

- (1) Fail to disclose all hazards existing at the inception of this policy; or
- (2) Make an error, omission or improper description of premises or other statement of information stated in this policy.

You must notify us in writing as soon as possible after the discovery of any hazard or any other information that was not provided to us prior to inception of this Coverage Part.

L. Bodily Injury Redefined

The "bodily injury" definition under the Definitions Section is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by a person, including death resulting from any of these at any time. This includes mental anguish, mental injury, shock, fright or death resulting from bodily injury, sickness or disease.

M. Two Or More Of Our Coverage Parts/Policies

The following is added to Section III - **Limits of Insurance**:

1. Subject to Paragraph 2. or 3. above, whichever applies, if this Coverage Part and any other Commercial General Liability Coverage Part or policy providing Commercial General Liability insurance issued to you by us or any other Zurich underwriting company affiliated with us apply to the same "occurrence", only the highest available Each Occurrence Limit under any such Coverage Part or policy applies to such "occurrence".
2. Subject to Paragraph 2. above, if this Coverage Part and any other Coverage Part or policy providing Commercial General Liability insurance issued to you by us or any other Zurich underwriting company affiliated with us apply to the same offense, only the highest available Personal And Advertising Injury Limit under any such Coverage Part or policy applies to such offense.
3. Under this Coverage Part and all other Zurich underwriting company Coverage Parts or policies to which Paragraphs 1. and 2. above combined apply, the most we will pay for all injury or damage because of "bodily injury" or "property damage" "occurrences", "personal and advertising injury" offenses and medical expenses is:
 - a. The single highest Coverage Part or policy General Aggregate Limit; or
 - b. The single highest Coverage Part or policy Products-Completed Operations Aggregate Limit,whichever applies, whether such "occurrence", offenses or medical expenses are covered by one or more than one Zurich underwriting company policy.
4. Any existing provisions under Paragraph 4. **Other Insurance** under Section IV - **Commercial General Liability Conditions** that may be contrary to the provisions of this endorsement are amended to comply with the changes in coverage as stipulated in Paragraphs 1., 2., and 3. above.

This provision does not apply to any Coverage Part or policy issued by us or any other Zurich underwriting company affiliated with us specifically to apply as excess insurance over this Coverage Part.

N. Your Work Redefined

Paragraph a.(1) of the "your work" definition under the **Definitions** Section is replaced by the following:

22. "Your work"

a. Means:

- (1) Work or operations performed by you or on your behalf, but does not include work or operations performed by another entity who joined with you to form a partnership or joint venture not shown as a Named Insured in the Declarations, which terminated or ended prior to the effective date of this policy; and

All other terms and conditions of this policy remain unchanged.

Waiver Of Subrogation (Blanket) Endorsement



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End	Product	Add'l. Prem.	Retain. Prem.
GLO0232009C*	2/05/2017	2/05/2018		49549781	\$	\$

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

The following is added to the **Transfer Of Rights Of Recovery Against Others To Us Condition**:

If you are required by a written contract or agreement, which is executed before a loss, to waive your rights of recovery from others, we agree to waive our rights of recovery. This waiver of rights shall not be construed to be a waiver with respect to any other operations in which the insured has no contractual interest.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ALL PERSONS AND/OR ORGANIZATIONS THAT ARE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED PRIOR TO THE ACCIDENT OR LOSS, THAT WAIVER OF SUBROGATION BE PROVIDED UNDER THIS POLICY FOR WORK PERFORMED BY YOU FOR THAT PERSON AND/OR ORGANIZATION.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.
(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement	Effective Policy No	WC023201001	Endorsement No.
Insured			Premium \$
A Lamp Concrete Contracting, Inc.			
Insurance Company	Countersigned by _____		
Zurich American Insurance Company			

Coverage Extension Endorsement



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of Enrl.	Producer No.	Adfl. Prem.	Return Prem.
BAP023200701	2/05/2017	2/05/2018				

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Business Auto Coverage Form
Motor Carrier Coverage Form

A. Amended Who Is An Insured

1. The following is added to the **Who Is An Insured** Provision in **Section II – Covered Autos Liability Coverage**:

The following are also "insureds":

- Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow for acts performed within the scope of employment by you. Any "employee" of yours is also an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.
- Anyone volunteering services to you is an "insured" while using a covered "auto" you don't own, hire or borrow to transport your clients or other persons in activities necessary to your business.
- Anyone else who furnishes an "auto" referenced in Paragraphs A.1.a. and A.1.b. in this endorsement.
- Where and to the extent permitted by law, any person(s) or organization(s) where required by written contract or written agreement with you executed prior to any "accident", including those person(s) or organization(s) directing your work pursuant to such written contract or written agreement with you, provided the "accident" arises out of operations governed by such contract or agreement and only up to the limits required in the written contract or written agreement, or the Limits of Insurance shown in the Declarations, whichever is less.

2. The following is added to the **Other Insurance** Condition in the Business Auto Coverage Form and the **Other Insurance – Primary and Excess Insurance Provisions Condition** in the Motor Carrier Coverage Form:

Coverage for any person(s) or organization(s), where required by written contract or written agreement with you executed prior to any "accident", will apply on a primary and non-contributory basis and any insurance maintained by the additional "insured" will apply on an excess basis. However, in no event will this coverage extend beyond the terms and conditions of the Coverage Form.

B. Amendment – Supplementary Payments

Paragraphs a.(2) and a.(4) of the **Coverage Extensions** Provision in **Section II – Covered Autos Liability Coverage** are replaced by the following:

- Up to \$5,000 for the cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.
- All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

C. Fellow Employee Coverage

The **Fellow Employee** Exclusion contained in **Section II – Covered Autos Liability Coverage** does not apply.

D. Driver Safety Program Liability and Physical Damage Coverage

1. The following is added to the **Racing** Exclusion in **Section II – Covered Autos Liability Coverage**:

This exclusion does not apply to covered "autos" participating in a driver safety program event, such as, but not limited to, auto or truck rodeos and other auto or truck agility demonstrations.

2. The following is added to Paragraph 2. in the Exclusions of **Section III – Physical Damage Coverage** of the **Business Auto Coverage Form** and Paragraph 2.b. in the Exclusions of **Section IV – Physical Damage Coverage** of the **Motor Carrier Coverage Form**:

This exclusion does not apply to covered "autos" participating in a driver safety program event, such as, but not limited to, auto or truck rodeos and other auto or truck agility demonstrations.

E. Lease or Loan Gap Coverage

The following is added to the **Coverage Provision** of the **Physical Damage Coverage Section**:

Lease Or Loan Gap Coverage

In the event of a total "loss" to a covered "auto", we will pay any unpaid amount due on the lease or loan for a covered "auto", less:

a. Any amount paid under the **Physical Damage Coverage** Section of the Coverage Form; and

b. Any:

(1) Overdue lease or loan payments at the time of the "loss";

(2) Financial penalties imposed under a lease for excessive use, abnormal wear and tear or high mileage;

(3) Security deposits not returned by the lesso;

(4) Costs for extended warranties, credit life insurance, health, accident or disability insurance purchased with the loan or lease; and

(5) Carry-over balances from previous leases or loans.

F. Towing and Labor

Paragraph **A.2.** of the **Physical Damage Coverage Section** is replaced by the following

We will pay up to \$75 for towing and labor costs incurred each time a covered "auto" of the private passenger type is disabled. However, the labor must be performed at the place of disablement.

G. Extended Glass Coverage

The following is added to Paragraph **A.3.a.** of the **Physical Damage Coverage Section**:

If glass must be replaced, the deductible shown in the Declarations will apply. However, if glass can be repaired and is actually repaired rather than replaced, the deductible will be waived. You have the option of having the glass repaired rather than replaced.

H. Hired Auto Physical Damage – Increased Loss of Use Expenses

The **Coverage Extension for Loss Of Use Expenses** in the **Physical Damage Coverage Section** is replaced by the following:

Loss Of Use Expenses

For Hired Auto Physical Damage, we will pay expenses for which an "insured" becomes equally responsible to pay for loss of use of a vehicle rented or hired without a driver under a written rental contract or written rental agreement. We will pay for loss of use expenses if caused by

- (1) Other than collision only if the Declarations indicate that Comprehensive Coverage is provided for any covered "auto";
 - (2) Specified Causes Of Loss only if the Declarations indicate that Specified Causes Of Loss Coverage is provided for any covered "auto"; or
 - (3) Collision only if the Declarations indicate that Collision Coverage is provided for any covered "auto"
- However, the most we will pay for any expenses for loss of use is \$100 per day, to a maximum of \$3000.

I. Personal Effects Coverage

The following is added to the Coverage Provision of the Physical Damage Coverage Section:

Personal Effects Coverage

- a. We will pay up to \$750 for "loss" to personal effects which are:
 - (1) Personal property owned by an "insured"; and
 - (2) In or on a covered "auto".
- b. Subject to Paragraph a. above, the amount to be paid for "loss" to personal effects will be based on the lesser of:
 - (1) The reasonable cost to replace; or
 - (2) The actual cash value.
- c. The coverage provided in Paragraphs a. and b. above, only applies in the event of a total theft of a covered "auto". No deductible applies to this coverage. However, we will not pay for "loss" to personal effects of any of the following:
 - (1) Accounts, bills, currency, deeds, evidence of debt, money, notes, securities, or commercial paper or other documents of value.
 - (2) Bullion, gold, silver, platinum, or other precious alloys or metals; furs or fur garments; jewelry, watches, precious or semi-precious stones.
 - (3) Paintings, statuary and other works of art.
 - (4) Contraband or property in the course of illegal transportation or trade.
 - (5) Tapes, records, discs or other similar devices used with audio, visual or data electronic equipment.

Any coverage provided by this Provision is excess over any other insurance coverage available for the same "loss".

J. Tapes, Records and Discs Coverage

- 1. The Exclusion in Paragraph B.4.a. of Section III – Physical Damage Coverage in the Business Auto Coverage Form and the Exclusion in Paragraph B.2.c. of Section IV – Physical Damage Coverage in the Motor Carrier Coverage Form does not apply.
- 2. The following is added to Paragraph 1.a. Comprehensive Coverage under the Coverage Provision of the Physical Damage Coverage Section:

We will pay for "loss" to tapes, records, discs or other similar devices used with audio, visual or data electronic equipment. We will pay only if the tapes, records, discs or other similar audio, visual or data electronic devices:

 - (a) Are the property of an "insured"; and
 - (b) Are in a covered "auto" at the time of "loss".

The most we will pay for such "loss" to tapes, records, discs or other similar devices is \$500. The Physical Damage Coverage Deductible Provision does not apply to such "loss".

K. Airbag Coverage

The Exclusion in Paragraph B.3.a. of Section III – Physical Damage Coverage in the Business Auto Coverage Form and the Exclusion in Paragraph B.4.a. of Section IV – Physical Damage Coverage in the Motor Carrier Coverage Form does not apply to the accidental discharge of an air bag.

L. Two or More Deductibles

The following is added to the Deductible Provision of the Physical Damage Coverage Section:

If an accident is covered both by this policy or Coverage Form and by another policy or Coverage Form issued to you by us, the following applies for each covered "auto" on a per vehicle basis:

1. If the deductible on this policy or Coverage Form is the smaller (or smallest) deductible, it will be waived; or
2. If the deductible on this policy or Coverage Form is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

M. Physical Damage – Comprehensive Coverage – Deductible

The following is added to the Deductible Provision of the Physical Damage Coverage Section:

Regardless of the number of covered "autos" damaged or stolen, the maximum deductible that will be applied to Comprehensive Coverage for all "loss" from any one cause is \$5,000 or the deductible shown in the Declarations, whichever is greater.

N. Temporary Substitute Autos – Physical Damage

1. The following is added to Section I – Covered Autos:

Temporary Substitute Autos – Physical Damage

If Physical Damage Coverage is provided by this Coverage Form on your owned covered "autos", the following types of vehicles are also covered "autos" for Physical Damage Coverage:

Any "auto" you do not own when used with the permission of its owner as a temporary substitute for a covered "auto" you do own but is out of service because of its:

1. Breakdown;
2. Repair;
3. Servicing;
4. "Loss"; or
5. Destruction.

2. The following is added to the Paragraph A. Coverage Provision of the Physical Damage Coverage Section:

Temporary Substitute Autos – Physical Damage

We will pay the owner for "loss" to the temporary substitute "auto" unless the "loss" results from fraudulent acts or omissions on your part. If we make any payment to the owner, we will obtain the owner's rights against any other party.

The deductible for the temporary substitute "auto" will be the same as the deductible for the covered "auto" it replaces.

O. Amended Duties In The Event Of Accident, Claim, Suit Or Loss

Paragraph c. of the Duties In The Event Of Accident, Claim, Suit Or Loss Condition is replaced by the following:

- a. In the event of "accident", claim, "suit" or "loss", you must give us or our authorized representative prompt notice of the "accident", claim, "suit" or "loss". However, these duties only apply when the "accident", claim, "suit" or "loss" is known to you (if you are an individual), a partner (if you are a partnership), a member (if you are a limited liability company) or an executive officer or insurance manager (if you are a corporation). The failure of any

agent, servant or employee of the "insured" to notify us of any "accident", claim, "suit" or "loss" shall not invalidate the insurance afforded by this policy.

Include, as soon as practicable:

- (1) How, when and where the "accident" or "loss" occurred and if a claim is made or "suit" is brought, written notice of the claim or "suit" including, but not limited to, the date and details of such claim or "suit";
- (2) The "insured's" name and address; and
- (3) To the extent possible, the names and addresses of any injured persons and witnesses.

If you report an "accident", claim, "suit" or "loss" to another insurer when you should have reported to us, your failure to report to us will not be seen as a violation of these amended duties provided you give us notice as soon as practicable after the fact of the delay becomes known to you.

P. Waiver of Transfer Of Rights Of Recovery Against Others To Us

The following is added to the **Transfer Of Rights Of Recovery Against Others To Us** Condition:

This Condition does not apply to the extent required of you by a written contract, executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by such contract. This waiver only applies to the person or organization designated in the contract.

Q. Employee Hired Autos - Physical Damage

Paragraph b. of the **Other Insurance** Condition in the **Business Auto Coverage Form** and Paragraph f. of the **Other Insurance - Primary and Excess Insurance Provisions** Condition in the **Motor Carrier Coverage Form** are replaced by the following:

For **Hired Auto Physical Damage** Coverage, the following are deemed to be covered "autos" you own:

- (1) Any covered "auto" you lease, hire, rent or borrow; and
- (2) Any covered "auto" hired or rented under a written contract or written agreement entered into by an "employee" or elected or appointed official with your permission while being operated within the course and scope of that "employee's" employment by you or that elected or appointed official's duties as respect their obligations to you.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

R. Unintentional Failure to Disclose Hazards

The following is added to the **Concealment, Misrepresentation Or Fraud** Condition:

However, we will not deny coverage under this Coverage Form if you unintentionally:

- (1) Fail to disclose any hazards existing at the inception date of this Coverage Form; or
- (2) Make an error, omission, improper description of "autos" or other misstatement of information.

You must notify us as soon as possible after the discovery of any hazards or any other information that was not provided to us prior to the acceptance of this policy.

S. Hired Auto - World Wide Coverage

Paragraph 7a.(5) of the **Policy Period, Coverage Territory** Condition is replaced by the following:

- (5) Anywhere in the world if a covered "auto" is leased, hired, rented or borrowed for a period of 60 days or less.

T. Bodily Injury Redefined

The definition of "bodily injury" in the **Definitions** Section is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by a person including death or mental anguish, resulting from any of these at any time. Mental anguish means any type of mental or emotional illness or disease.

U. Expected Or Intended Injury

The **Expected Or Intended Injury** Exclusion in Paragraph **B. Exclusions** under **Section II – Covered Auto Liability Coverage** is replaced by the following:

Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the "insured". This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

V. Physical Damage – Additional Temporary Transportation Expense Coverage

Paragraph **A.4.a.** of **Section III – Physical Damage Coverage** is replaced by the following:

4. Coverage Extensions

a. Transportation Expenses

We will pay up to \$50 per day to a maximum of \$1,000 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type. We will pay only for those covered "autos" for which you carry either Comprehensive or Specified Causes of Loss Coverage. We will pay for temporary transportation expenses incurred during the period beginning 48 hours after the theft and ending, regardless of the policy's expiration, when the covered "auto" is returned to use or we pay for its "loss".

W. Replacement of a Private Passenger Auto with a Hybrid or Alternative Fuel Source Auto

The following is added to Paragraph **A. Coverage** of the **Physical Damage Coverage** Section:

In the event of a total "loss" to a covered "auto" of the private passenger type that is replaced with a hybrid "auto" or "auto" powered by an alternative fuel source of the private passenger type, we will pay an additional 10% of the cost of the replacement "auto", excluding tax, title, license, other fees and any aftermarket vehicle upgrades, up to a maximum of \$2500. The covered "auto" must be replaced by a hybrid "auto" or an "auto" powered by an alternative fuel source within 60 calendar days of the payment of the "loss" and evidenced by a bill of sale or new vehicle lease agreement.

To qualify as a hybrid "auto", the "auto" must be powered by a conventional gasoline engine and another source of propulsion power. The other source of propulsion power must be electric, hydrogen, propane, solar or natural gas, either compressed or liquefied. To qualify as an "auto" powered by an alternative fuel source, the "auto" must be powered by a source of propulsion power other than a conventional gasoline engine. An "auto" solely propelled by biofuel, gasoline or diesel fuel or any blend thereof is not an "auto" powered by an alternative fuel source.

X. Return of Stolen Automobile

The following is added to the **Coverage Extension** Provision of the **Physical Damage Coverage** Section:

If a covered "auto" is stolen and recovered, we will pay the cost of transport to return the "auto" to you. We will pay only for those covered "autos" for which you carry either Comprehensive or Specified Causes of Loss Coverage.

All other terms, conditions, provisions and exclusions of this policy remain the same.

**ADVERTISEMENT FOR BIDS
VILLAGE OF VILLA PARK
FRIDAY, SEPTEMBER 22, 2017**

**PROJECT: 2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT
(JACKSON TO MADISON)**

This project consists of the reconstruction of South Michigan Avenue and the installation of a new relief storm sewer system from Jackson Street to Madison Street, an approximate length of 1,336 feet (0.253 mile). The scope of work for the project includes installation of a large relief storm sewer, pavement and driveway removal, earth excavation, aggregate subgrade improvements, structure removal, structure adjustments, drainage improvements, hot-mix asphalt paving, combination concrete curb and gutter removal and installation, driveway restoration, parkway restoration, sidewalk removal and replacement, and other related and incidental work.

BID DEADLINE: TUESDAY, OCTOBER 10, 2017, 10:00 A.M. LOCAL TIME

The Village reserves the right to extend the Bid Deadline from this date and time to accept Bids submitted after the Bid Deadline, as the Village, in its sole discretion, determines is in the best interest of the Village.

NOTICE: Separate, sealed proposals for the **2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)** will be received by the Village of Villa Park, Illinois, at the reception desk of the Public Works Department, 11 West Home Avenue, Villa Park, Illinois, 60181, until the Bid Deadline. Immediately thereafter, the proposals will be publicly opened and read aloud at the offices of the Public Works Department. Notwithstanding the foregoing, the Village reserves the right to defer, postpone, delay, or reschedule the Bid Opening for such time and to such date as the Village, in its sole discretion, determines is in the best interest of the Village.

Proposals shall be submitted in accordance with the Bidding Documents prepared by V3 Companies, 7325 Janes Avenue, Woodridge, IL 60517.

BIDDER QUALIFICATIONS: Bidders, in submitting a Bid, shall comply with all applicable Federal, State and Local laws and requirements; shall provide documentation of that compliance in accordance with the requirements of the Contract Documents or as requested by the Village; and, in submitting a Bid, Bidders affirm that they are qualified under all applicable laws and requirements to do so, and agree to be bound by the determination of the Village as to Bidder's compliance and qualifications.

BID SECURITY: Bid security in the amount of not less than five percent (5%) of the Bid shall accompany each Bid in accordance with the Bidding Documents.

CONTRACT SECURITY: The Bidder to whom a Contract is awarded shall be required to furnish both a Performance Bond and a Payment Bond acceptable to the Village for

one-hundred percent (100%) of the Contract Price, in accordance with the requirements of the Contract Documents.

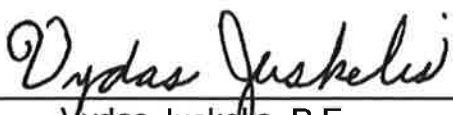
RIGHTS RESERVED: The Village will select the lowest, most responsible bidder. The Village reserves the right to reject any and all Bids, to waive any informalities or technicalities in bidding, and to accept the Bid which best serves the interests of the Village. The Village shall, in its sole discretion, determine what does or does not constitute an informality or technicality, and, in submitting a Bid, Bidder agrees to be bound by that determination.

The Village may make such investigations as it deems necessary to determine the ability of the Bidder to perform the Work, and the Bidder shall furnish to the Village all such information and data for this purpose as the Village may request. The Village reserves the right to reject any Bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Village that such Bidder is properly qualified to carry out the obligations of the Agreement and to complete the Work contemplated therein.

WAGE RATES: All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the PROJECT shall apply to the contract throughout.

CONTRACT DOCUMENTS: The Bidding Documents are on file for inspection at the office of the Village of Villa Park Public Works Department, 11 West Home Avenue, Villa Park, Illinois, 60181, and may also be obtained from the Village of Villa Park Public Works Department at the address listed above for a non-refundable fee of twenty dollars (\$20.00).

PUBLISHED BY AUTHORITY OF THE VILLAGE OF VILLA PARK, DUPAGE COUNTY, ILLINOIS.

BY: 
Vydas Juskeles, P.E.
Director of Public Works



Illinois Department of Transportation

Local Public Agency Formal Contract Proposal

PROPOSAL SUBMITTED BY		
A Lamp Concrete Contractors, Inc.		
Contractor's Name		
1900 Wright Boulevard		
Street	P.O. Box	
Schaumburg, IL 60193		
City	State	Zip Code

STATE OF ILLINOIS

COUNTY OF DuPage
Village of Villa Park
(Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF
STREET NAME OR ROUTE NO. South Michigan Avenue
SECTION NO. N/A
TYPES OF FUNDS Local

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

Date

For County and Road District Projects
Submitted/Approved

Highway Commissioner

Date

Submitted/Approved

County Engineer/Superintendent of Highways

Date

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

NOTICE TO BIDDERS

County DuPage
 Local Public Agency Villa Park
 Section Number N/A
 Route South Michigan Ave

Sealed proposals for the improvement described below will be received at the office of Public Works Department,
11 West Home Ave, Villa Park, IL 60181 until 10:00 AM on October 31, 2017
 Address Time Date

Sealed proposals will be opened and read publicly at the office of Public Works Director
11 West Home Ave, Villa Park, IL 60181 at 10:00 AM on October 31, 2017
 Address Time Date

DESCRIPTION OF WORK

Name South Michigan Ave Length: 1336.00 feet (0.25 miles)
 Location South Michigan Ave from West Jackson St to West Madison St
 Proposed Improvement pavement/driveway/C&G/sidewalk remove and replace; storm sewer installation; earth ex;
 agg.subgrade improvements; structure removal and adjustments; drainage improvements; HMA paving; and restoration.

1. Plans and proposal forms will be available in the office of Village of Villa Park Public Works Department
11 West Home Ave, Villa Park, IL 60181 630-834-8505
 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.

PROPOSAL

County DuPage
 Local Public Agency Villa Park
 Section Number N/A
 Route South Michigan Ave

1. Proposal of A Lamp Concrete Contractors, Inc.

for the improvement of the above section by the construction of _____
pavement/driveway/C&G/sidewalk remove and replace; storm sewer installation; earth ex;
agg.subgrade improvements; structure removal and adjustments; drainage improvements; HMA
paving; and restoration.

a total distance of 1336.00 feet, of which a distance of 1336.00 feet, (0.253 miles) are to be improved.

2. The plans for the proposed work are those prepared by V3 Companies and approved by the Department of Transportation on N.A.

3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.

4. The undersigned agrees to accept, as part of the contract, the 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 75 calendar days 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:

Village _____ Treasurer of Villa Park

The amount of the check is 5% of 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 N.A.

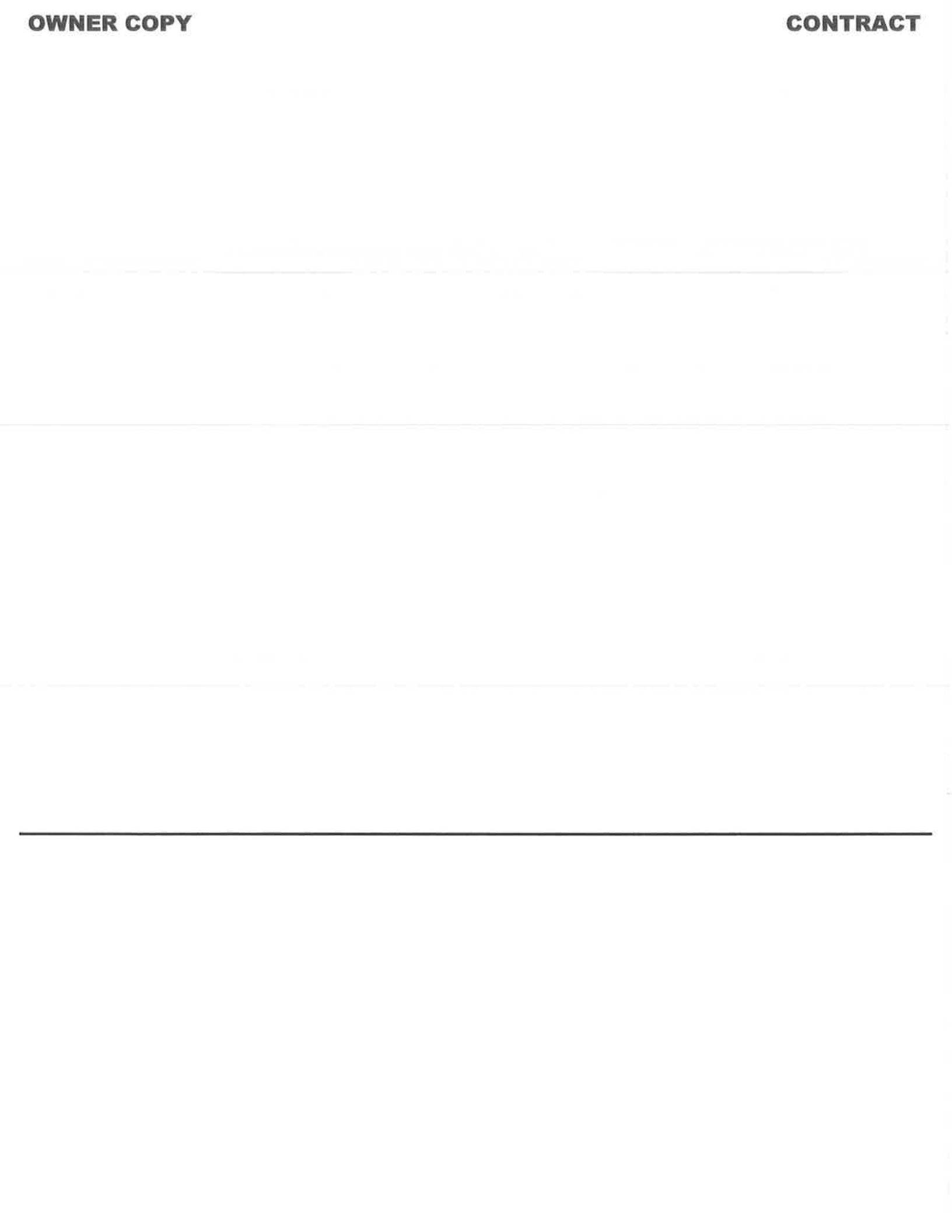
8. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute 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.





Illinois Department
of Transportation

SCHEDULE OF PRICES

ALTERNATE 1

County DuPage
Local Public Agency Villa Park
Section N/A
Route South Michigan Ave

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	\$1,409,099.97
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Item No.	Items	Unit	Quantity	Unit Price	Total
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	129.00	\$16.50	\$2,128.50
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	176.00	\$31.00	\$5,456.00
3	TEMPORARY FENCE	FOOT	1,080.00	\$1.00	\$1,080.00
4	TREE ROOT PRUNING	EACH	18.00	\$50.00	\$900.00
5	EARTH EXCAVATION	CU YD	432.00	\$37.00	\$15,984.00
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400.00	\$15.00	\$6,000.00
7	POROUS GRANULAR EMBANKMENT	CU YD	-		
8	TRENCH BACKFILL	CU YD	6,580.00	\$30.00	\$197,400.00
9	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,938.00	\$1.00	\$3,938.00
10	PARKWAY RESTORATION	SQ YD	2,322.00	\$7.00	\$16,254.00
11	SUPPLEMENTAL WATERING	UNIT	96.00	\$1.00	\$96.00
12	PERIMETER EROSION BARRIER	FOOT	200.00	\$1.00	\$200.00
13	INLET FILTERS	EACH	28.00	\$15.00	\$420.00
14	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	400.00	\$15.00	\$6,000.00
15	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	4,711.00	\$6.35	\$29,914.85
16	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1.00	\$75.00	\$75.00
17	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	35.00	\$50.00	\$1,750.00



Bidder's Proposal for making Entire Improvements

\$1,409,099.97

Item No.	Items	Unit	Quantity	Unit Price	Total
18	TEMPORARY ACCESS (ROAD)	EACH	5.00	\$100.00	\$500.00
19	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	10,632.00	\$0.01	\$106.32
20	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	883.00	\$68.00	\$60,044.00
21	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	442.00	\$83.00	\$36,686.00
22	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	31.00	\$10.00	\$310.00
23	HOT MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	287.00	\$46.00	\$13,202.00
24	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ YD	328.00	\$58.00	\$19,024.00
25	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SQ YD	88.00	\$62.00	\$5,456.00
26	PORTLAND CEMENT ONCRETE SIDEWALK, 5"	SQ FT	7,605.00	\$6.35	\$48,291.75
27	DETECTABLE WARNINGS	SQ FT	180.00	\$25.00	\$4,500.00
28	PAVEMENT REMOVAL	SQ YD	3,970.00	\$11.00	\$43,670.00
29	HOT MIX ASPHALT SURFACE REMOVAL, 2 INCH	SQ YD	7.00	\$50.00	\$350.00
30	DRIVEWAY PAVEMENT REMOVAL	SQ YD	691.00	\$10.00	\$6,910.00
31	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,817.00	\$3.00	\$8,451.00
32	SIDEWALK REMOVAL	SQ FT	7,347.00	\$1.15	\$8,449.05
33	STORM SEWER, CLASS A, TYPE 2 24"	FOOT	61.00	\$98.00	\$5,978.00
34	STORM SEWERS, CLASS A, TYPE 3 54"	FOOT	-		
35	STORM SEWERS, CLASS A, TYPE 3 72"	FOOT	1,316.00	\$410.00	\$539,560.00
36	STORM SEWERS, REBBER GASKET, CLASS A, TYPE 2 12"	FOOT	286.00	\$79.00	\$22,594.00
37	STORM SEWER REMOVAL 6"	FOOT	159.00	\$1.00	\$159.00
38	STORM SEWER REMOVAL 8"	FOOT	132.00	\$1.00	\$132.00
39	STORM SEWER REMOVAL 12"	FOOT	231.00	\$1.00	\$231.00
40	STORM SEWER REMOVAL 15"	FOOT	21.00	\$1.00	\$21.00
41	STORM SEWER REMOVAL 18"	FOOT	65.00	\$1.00	\$65.00
42	STORM SEWER REMOVAL 24"	FOOT	26.00	\$1.00	\$26.00
43	WATER VALVES 6"	EACH	1.00	\$1,800.00	\$1,800.00
44	WATER CONNECTION 1"	EACH	2.00	\$2,500.00	\$5,000.00

Bidder's Proposal for making Entire Improvements

\$1,409,099.97

Item No.	Items	Unit	Quantity	Unit Price	Total
45	PIPE DRAINS 4"	FOOT	16.00	\$30.00	\$480.00
46	PIPE DRAINS 6"	FOOT	100.00	\$36.00	\$3,500.00
47	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	7.00	\$2,900.00	\$20,300.00
48	MANHOLES, TYPE A, 4" DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1.00	\$4,100.00	\$4,100.00
49	PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER TYPE 1 FRAME AND GRATE, CLOSED LID	EACH	2.00	\$6,150.00	\$12,300.00
50	PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER TYPE 1 FRAME AND GRATE, CLOSED LID	EACH	-		
51	PRECAST 4' DIAMETER "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, OPEN LID	EACH	1.00	\$6,150.00	\$6,150.00
52	PRECAST 4' DIAMETER "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, OPEN LID	EACH	-		
53	PRECAST 4' DIAMETER "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE	EACH	5.00	\$6,250.00	\$31,250.00
54	PRECAST 4' DIAMETER "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE	EACH	-		
55	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6.00	\$1,500.00	\$9,000.00
56	VALVE VAULTS, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1.00	\$3,350.00	\$3,350.00
57	MANHOLES TO BE ADJUSTED	EACH	7.00	\$350.00	\$2,450.00
58	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1.00	\$600.00	\$600.00
59	MANHOLES TO BE RECONSTRUCTED	EACH	4.00	\$1,500.00	\$6,000.00
60	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2.00	\$1,850.00	\$3,700.00
61	INLETS TO BE ADJUSTED	EACH	1.00	\$350.00	\$350.00
62	VALVE BOXES TO BE ADJUSTED	EACH	1.00	\$250.00	\$250.00
63	REMOVING MANHOLES	EACH	11.00	\$350.00	\$3,850.00
64	SANITARY SERVICE PIPE REPLACEMENT	FOOT	100.00	\$45.00	\$4,500.00
65	SANITARY SERVICE CONNECTION	EACH	3.00	\$1,500.00	\$4,500.00
66	SANITARY SEWER SERVICE COMBINATION CLEANOUT CHECK VALVE	EACH	3.00	\$1,200.00	\$3,600.00
67	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12	FOOT	2,817.00	\$19.50	\$54,931.50
68	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	162.00	\$7.00	\$1,134.00
69	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	88.00	\$14.00	\$1,232.00
70	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	60.00	\$41.00	\$2,460.00
71	EXPLORATORY TRENCH	FOOT	200.00	\$10.00	\$2,000.00

Bidder's Proposal for making Entire Improvements

\$1,409,099.97

Item No.	Items	Unit	Quantity	Unit Price	Total
72	TREFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1.00	\$62,000.00	\$62,000.00
73	PRECOSNTRUCTION VIDEO RECORDING	L SUM	1.00	\$1,000.00	\$1,000.00
74	CONSTRUCTION LAYOUT	L SUM	1.00	\$15,000.00	\$15,000.00
75	WATER USAGE CREDIT	GALLON	100.00	\$8.85	\$885.00
76	WATER USAGE DEDUCTION	GALLON	100.00	-\$8.85	-\$885.00
77	CONTINGENCY ALLOWANCE	DOLLAR	30,000.00	\$1.00	\$30,000.00

TOTAL ALTERNATIVE 1: \$1,409,099.97



Illinois Department of Transportation

SCHEDULE OF PRICES

ALTERNATIVE 1

County DuPage
 Local Public Agency Villa Park
 Section N/A
 Route South Michigan Ave

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	\$1,238,631.97
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Item No.	Items	Unit	Quantity	Unit Price	Total
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	129.00	\$16.50	\$2,128.50
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	176.00	\$31.00	\$5,456.00
3	TEMPORARY FENCE	FOOT	1,080.00	\$1.00	\$1,080.00
4	TREE ROOT PRUNING	EACH	18.00	\$50.00	\$900.00
5	EARTH EXCAVATION	CU YD	432.00	\$37.00	\$15,984.00
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400.00	\$15.00	\$6,000.00
7	POROUS GRANULAR EMBANKMENT	CU YD	-		
8	TRENCH BACKFILL	CU YD	5,307.00	\$30.00	\$159,210.00
9	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,938.00	\$1.00	\$3,938.00
10	PARKWAY RESTORATION	SQ YD	2,322.00	\$7.00	\$16,254.00
11	SUPPLEMENTAL WATERING	UNIT	96.00	\$1.00	\$96.00
12	PERIMETER EROSION BARRIER	FOOT	200.00	\$5.00	\$1,000.00
13	INLET FILTERS	EACH	28.00	\$15.00	\$420.00
14	AGGREGATE SURGRADE IMPROVEMENT	CU YD	400.00	\$15.00	\$6,000.00
15	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	4,711.00	\$6.35	\$29,914.85
16	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1.00	\$75.00	\$75.00
17	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	35.00	\$50.00	\$1,750.00

PROPERTY OF THE
OWNER OF THE
PROPERTY

THIS CONTRACT IS
MADE BETWEEN
THE OWNER OF THE
PROPERTY AND
THE CONTRACTOR

THE CONTRACTOR
HEREBY AGREES
TO COMPLETE THE
WORK IN ACCORDANCE
WITH THE TERMS
AND CONDITIONS
HEREOF

THE CONTRACTOR
HEREBY AGREES
TO COMPLETE THE
WORK IN ACCORDANCE
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Bidder's Proposal for making Entire Improvements

\$1,238,631.97

Item No.	Items	Unit	Quantity	Unit Price	Total
18	TEMPORARY ACCESS (ROAD)	EACH	5.00	\$100.00	\$500.00
19	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	10,632.00	\$0.01	\$106.32
20	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	883.00	\$68.00	\$60,044.00
21	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	442.00	\$83.00	\$36,686.00
22	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	31.00	\$10.00	\$310.00
23	HOT MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	287.00	\$46.00	\$13,202.00
24	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ YD	328.00	\$58.00	\$19,024.00
25	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SQ YD	88.00	\$62.00	\$5,456.00
26	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	7,605.00	\$6.35	\$48,291.75
27	DETECTABLE WARNINGS	SQ FT	180.00	\$25.00	\$4,500.00
28	PAVEMENT REMOVAL	SQ FT	3,970.00	\$11.00	\$43,670.00
29	HOT MIX ASPHALT SURFACE REMOVAL, 2 INCH	SQ YD	7.00	\$50.00	\$350.00
30	DRIVEWAY PAVEMENT REMOVAL	SQ YD	691.00	\$10.00	\$6,910.00
31	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,817.00	\$3.00	\$8,451.00
32	SIDEWALK REMOVAL	SQ FT	7,347.00	\$1.15	\$8,449.05
33	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	40.00	\$98.00	\$3,920.00
34	STORM SEWERS, CLASS A TYPE 3 54"	FOOT	1,316.00	\$315.00	\$414,540.00
35	STORM SEWERS, CLASS A, TYPE 3 72"	FOOT	-		
36	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	286.00	\$79.00	\$22,594.00
37	STORM SEWER REMOVAL 6"	FOOT	159.00	\$1.00	\$159.00
38	STORM SEWER REMOVAL 8"	FOOT	132.00	\$1.00	\$132.00
39	STORM SEWER REMOVAL 12"	FOOT	231.00	\$1.00	\$231.00
40	STORM SEWER REMOVAL 15"	FOOT	21.00	\$1.00	\$21.00
41	STORM SEWER REMOVAL 18"	FOOT	65.00	\$1.00	\$65.00
42	STORM SEWER REMOVAL 24"	FOOT	26.00	\$1.00	\$26.00
43	WATER VALVES 6"	EACH	1.00	\$1,800.00	\$1,800.00
44	WATER SERVICE CONNECTION, 1"	EACH	2.00	\$2,500.00	\$5,000.00



Bidder's Proposal for making Entire Improvements

\$1,238,631.97

Item No.	Items	Unit	Quantity	Unit Price	Total
45	PIPE DRAINS 4"	FOOT	16.00	\$30.00	\$480.00
46	PIPE DRAINS 4"	FOOT	100.00	\$35.00	\$3,500.00
47	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	7.00	\$2,900.00	\$20,300.00
48	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1.00	\$4,100.00	\$4,100.00
49	PRECAST 4' DIA, "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, CLOSED LID	EACH	-		
50	PRECAST 4' DIA, "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, CLOSED LID	EACH	2.00	\$5,650.00	\$11,300.00
51	PRECAST 4' DIA, "T" MANHOLE FOR 72" PIPE STORM SEWER, TYPE 1 FRAME, AND GRATE, OPEN ID	EACH	-		
52	PRECAST 4' DIA, "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, OPEN ID	EACH	1.00	\$5,650.00	\$5,650.00
53	PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER TYPE 11 FRAME AND GRATE	EACH	-		
54	PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER TYPE 11 FRAME AND GRATE	EACH	5.00	\$5,750.00	\$28,750.00
55	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6.00	\$1,500.00	\$9,000.00
56	VALVE VAULTS, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1.00	\$3,350.00	\$3,350.00
57	MANHOLES TO BE ADJUSTED	EACH	7.00	\$350.00	\$2,450.00
58	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1.00	\$600.00	\$600.00
59	MANHOLES TO BE RECONSTRUCTED	EACH	4.00	\$1,500.00	\$6,000.00
60	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2.00	\$1,850.00	\$3,700.00
61	INLETS TO BE ADJUSTED	EACH	1.00	\$350.00	\$350.00
62	VALVE BOX TO BE ADJUSTED	EACH	1.00	\$250.00	\$250.00
63	REMOVING MANHOLES	EACH	11.00	\$350.00	\$3,850.00
64	SANITARY SERVICE PIPE REPLACEMENT	FOOT	100.00	\$45.00	\$4,500.00
65	SANITARY SERVICE CONNECTION	EACH	3.00	\$1,500.00	\$4,500.00
66	SANITARY SERVICE COMBINATION CLEANOUT CHECK VALVE	EACH	3.00	\$1,200.00	\$3,600.00
67	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12	FOOT	2,817.00	\$19.50	\$54,931.50
68	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	162.00	\$7.00	\$1,134.00
69	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	88.00	\$14.00	\$1,232.00
70	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	60.00	\$41.00	\$2,460.00
71	EXPLORATORY TRENCH	FOOT	200.00	\$10.00	\$2,000.00

PROPERTY ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____

DATE: _____

Bidder's Proposal for making Entire Improvements **\$1,238,631.97**

Item No.	Items	Unit	Quantity	Unit Price	Total
72	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1.00	\$60,000.00	\$60,000.00
73	PRECONSTRUCTION VIDEO TAPING	L SUM	1.00	\$1,000.00	\$1,000.00
74	CONSTRUCTION LAYOUT	L SUM	1.00	\$15,000.00	\$15,000.00
75	WATER USAGE CREDIT	T GAL	100.00	\$8.85	\$885.00
76	WATER USAGE DEDUCTION	T GAL	100.00	\$8.85	-\$885.00
77	CONTINGENCY ALLOWANCE	DOLLAR	30,000.00	\$1.00	\$30,000.00

TOTAL Alternative 2: **\$1,238,631.97**



CONTRACTOR CERTIFICATIONS

County	<u>DuPage</u>
Local Public Agency	<u>Villa Park</u>
Section Number	<u>N/A</u>
Route	<u>South Michigan Ave</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.

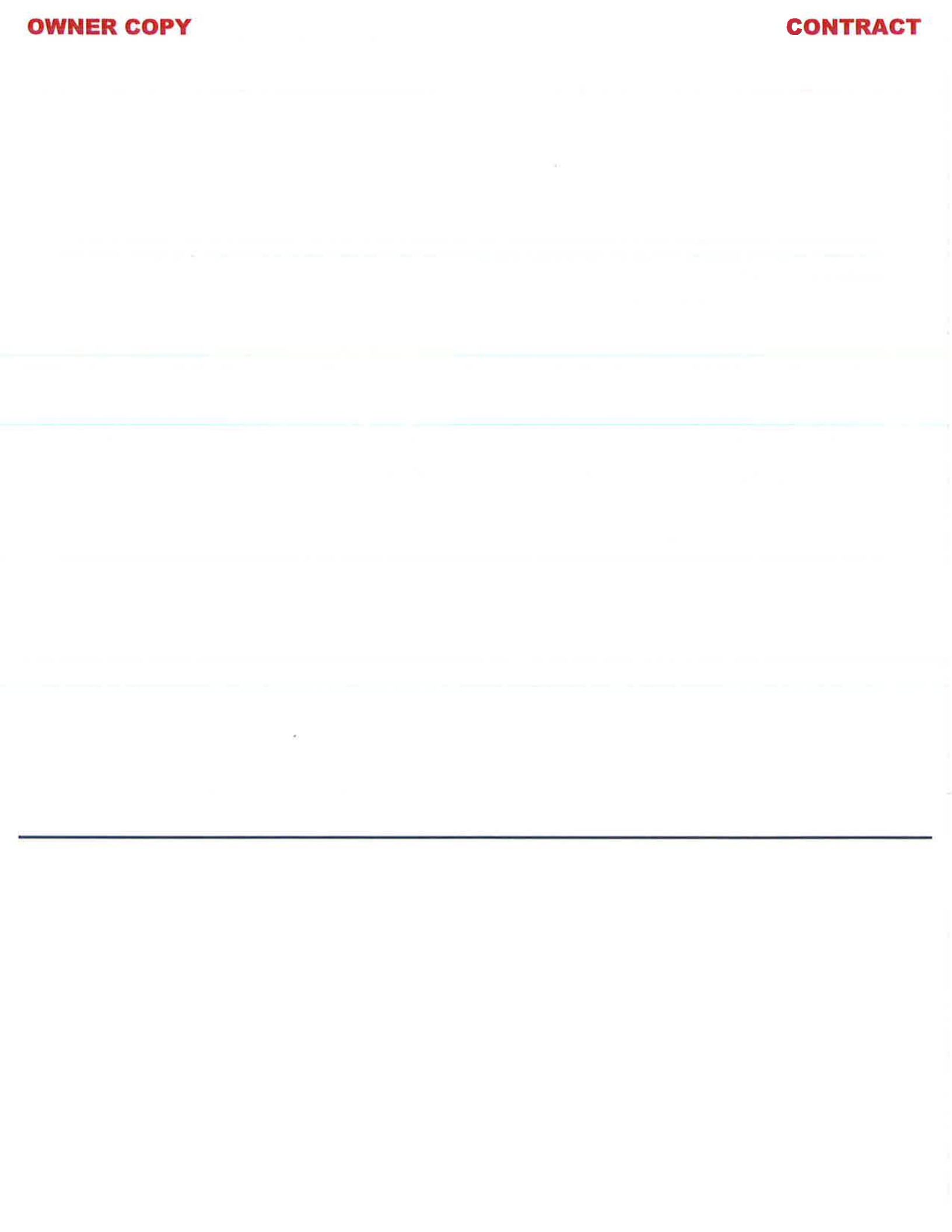
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

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.



SIGNATURES

County DuPage
 Local Public Agency Villa Park
 Section Number N/A
 Route South Michigan Ave

(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 A Lamp Concrete Contractors, Inc.

Signed By Adele Lampignano
President Adele Lampignano

Business Address 1900 Wright Boulevard
Schaumburg, IL 60193



Insert Names of Officers

President Adele Lampignano
 Secretary Adele Lampignano
 Treasurer Adele Lampignano

Attest: Adele Lampignano
Secretary Adele Lampignano





Illinois Department of Transportation

Local Agency Proposal Bid Bond

Route South Michigan Ave
County DuPage
Local Agency Villa Park
Section N/A

RETURN WITH BID

PAPER BID BOND

WE A. Lamp Concrete Contractors, Inc. as PRINCIPAL,

and The Hanover Insurance Company 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.

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 10th day of October 2017

Principal

A. Lamp Concrete Contractors, Inc. (Company Name)

(Company Name)

By: Adele Lampignano (Signature and Title)
Adele Lampignano, President

By: (Signature and Title)

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

The Hanover Insurance Company (Name of Surety)

Surety

By: Thomas O. Chambers (Signature of Attorney-in-Fact)

STATE OF WISCONSIN
COUNTY OF Kenosha

I, Kimberly S. Rasch, a Notary Public in and for said county, do hereby certify that Adele Lampignano and Thomas O. Chambers

(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 10th day of October 2017

My commission expires 1/22/2018

Kimberly S. Rasch (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 (grid)

Electronic Bid Bond ID Code

(Company/Bidder Name)

(Signature and Title)

Date



THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWER OF ATTORNEY

THIS Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

KNOW ALL PERSONS BY THESE PRESENTS:

That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, (hereinafter individually and collectively the "Company") does hereby constitute and appoint,

Thomas O. Chambers, Todd Schaap, Daniel Gibson, Eric Olson, Kimberly S. Rasch, Jackie Sheldon and/or Josle Benson

Of Shorewest Surety Services, Inc. of Racine, WI each individually, if there be more than one named, as its true and lawful attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, any and all surety bonds, recognizances, undertakings, or other surety obligations. The execution of such surety bonds, recognizances, undertakings or surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company, in their own proper persons. Provided however, that this power of attorney limits the acts of those named herein; and they have no authority to bind the Company except in the manner stated and to the extent of any limitation stated below:

Any such obligations in the United States, not to exceed Forty Million and No/100 (\$40,000,000) in any single instance

That this power is made and executed pursuant to the authority of the following Resolutions passed by the Board of Directors of said Company, and said Resolutions remain in full force and effect:

RESOLVED: That the President or any Vice President, in conjunction with any Vice President, be and they hereby are authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as it acts, to execute and acknowledge for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons.

RESOLVED: That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile. (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 15th day of March, 2017.

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

John C. Roche

John C. Roche, EVP and President



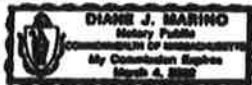
The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

James H. Kawiecki

James H. Kawiecki, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this 15th day of March, 2017 before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



Diane J. Marino
Diane J. Marino, Notary Public
My Commission Expires March 4, 2022

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 10th day of October 2017

CERTIFIED COPY

Theodoro G. Martinez
Theodoro G. Martinez, Vice President



**ADDENDUM NO. 1
ACKNOWLEDGMENT FORM**

I/We hereby acknowledge receipt of the following documents pertaining to **ADDENDUM No. 1** to the Bidding Documents for the Village of Villa Park's **2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)**.

Addendum No. 1	1 page
For Information Only	1 page
Attachment (Revised BLR 12200 Page 2 of 6)	1 page
Acknowledgment Form	1 page
TOTAL	4 pages

Name: Kelly Buello

Title: Project Coordinator

Company: A Lamp Concrete

Signature: Kelly Buello

Date: 10/5/17



ADDENDUM NO. 2 ACKNOWLEDGMENT FORM

I/We hereby acknowledge receipt of the following documents pertaining to **ADDENDUM No. 2** to the Bidding Documents for the Village of Villa Park's **2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)**.

Addendum No. 2	2 pages
Attachments	
1. Geotechnical Investigation	12 pages
2. Plan Sheet (Sheet 3 of 34)	1 page
3. Bid Book Sheets	6 pages
Acknowledgment Form	1 page
TOTAL	22 pages

Name: Kelly Bulla

Title: Project Coordinator

Company: A Lamp Concrete

Signature: Kelly Bulla

Date: 10/24/17





Illinois Department of Transportation

Apprenticeship or Training Program Certification

Return with Bid

Route South Michigan Ave
County DuPage
Local Agency Villa Park
Section N/A

All contractors are required to complete the following certification:

[X] 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 deliver and install groups.

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.

Laborers - 2, 68, 76 & 118

Operators - 150



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: A Lamp Concrete Contractors, Inc.

By: 
(Signature) Adele Lampignano

Address: 1900 Wright Boulevard Schaumburg, IL 60193

Title: President



Chicagoland LABORERS'

District Council Training & Apprenticeship Fund

ILL. 42-L

20 January 2016

Executive Director
Thomas Nordeen

Labor Trustees
James P. Connolly
Martin Flanagan
Joseph V. Healy
Charles V. LoVerde III
Joe Riley

Management Trustees
Seth Gudeman
Shane Higgins
Joseph Koppers
Robert G. Krug
David Lorig
William Vignocchi

Ms. Kristin Zagowdis
Payroll Assistant
A. Lamp Concrete Contractors
1900 Wright Blvd.
Schaumburg, Illinois 60193

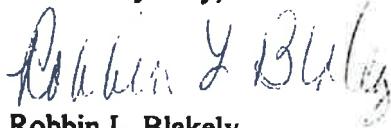
Dear Ms. Zagowdis:

Enclosed you will please find a copy of the Department of Labor certification that you requested recently.

You may also use this letter as verification that A. Lamp Concrete Contractors is indeed signatory to the Chicago Laborers District Council and contributes to the Laborers Apprenticeship Fund.

Should you require anything further, please do not hesitate to contact me.

Yours very truly,



Robbin L. Blakely
Office Manager

RLB
ENC

Carol Stream Location
1200 Old Gary Avenue
Carol Stream IL 60188
630.653.0006

LiUNA!

Feel the Power

Chicago Location
5700 West Homer Street
Chicago IL 60639
773.413.3315



The United States Department of Labor

Office of Apprenticeship Training, Employer and Labor Services
Bureau of Apprenticeship and Training

Certificate of Registration

*Chicagoland Laborers' J.A.T.C.
Carol Stream, Illinois*

For the Trade - Construction Craft Laborer

*Registered as part of the National Apprenticeship Program
in accordance with the basic standards of apprenticeship
established by the Secretary of Labor*

April 12, 1999

Date REVISED August 13, 2004

IL 017990001

Registration No.



L. L. Chao

Secretary of Labor

Anthony Suvage

Administrator, Apprenticeship Training, Employer and Labor Services

INTERNATIONAL UNION OF OPERATING ENGINEERS

LOCAL UNION NO. 150, 150B, 150A, 150C, 150RA, 150D, 150G, 150M

AFFILIATED WITH THE A.F.L.-C.I.O. AND BUILDING TRADES DEPARTMENT

JAMES M. SWEENEY
PRESIDENT-BUSINESS MANAGER



(708) 482-8800 - FAX (708) 482-7186
6200 JOLIET ROAD
COUNTRYSIDE, IL 60525-3992

January 25, 2016

A Lamp Concrete Contractors, Inc

Re: Proof of Compliance with 30 ILCS 500/30-22 (6)
our File No. MI-00321

Dear Sir or Madam:

At the request of A Lamp Concrete Contractors Inc, I am providing you with evidence of the company's compliance with the apprenticeship requirements in 30 ILCS 500/30-22 (6) of the Illinois Procurement Code. I am submitting this letter along with apprenticeship certificates (Nos. IL012020003, IL008780173).

As a signatory contractor with the International Union of Operating Engineers, Local 150, AFL-CIO, A Lamp Concrete Contractors, Inc. is required by Collective Bargaining Agreement to participate in an applicable apprenticeship and training program approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training. The attached certificates are evidence of compliance with the U.S. Department of Labor's apprenticeship requirements.

Thank you for your cooperation in this matter. If you have any questions or concerns, please do not hesitate to contact me.

Very truly yours,
IUOE, Local 150, AFL-CIO
District 1 dispatch office


Maribel Hernandez

mh

Enclosures: Certificates



United States Department of Labor

Office of Apprenticeship Training, Employer and Labor Services
Bureau of Apprenticeship and Training

Certificate of Registration

Operating Engineers Local #150

Plainfield, Illinois

For the Trade of Operating Engineer

Registered as part of the National Apprenticeship Program
in accordance with the basic standards of apprenticeship
established by the Secretary of Labor



November 5, 2002

Date

92 008780173

Registration No.

R. J. Chao

Secretary of Labor

Anthony S. ...

Administrative Apprenticeship Training Employer and Labor Services



The United States Department of Labor

Office of Apprenticeship Training, Employer and Labor Services
Bureau of Apprenticeship and Training

Certificate of Registration

*Heavy Equipment Technician Operating Engineers Local #150
Plainfield, Illinois*

For the Trade of Repairer (Heavy)

Registered as part of the National Apprenticeship Program

in accordance with the basic standards of apprenticeship

established by the Secretary of Labor

May 5, 2002

Date

IL012020003

Registration No.



J. L. Chao

Secretary of Labor

Anthony Inverse

Administrator, Apprenticeship Training, Employer and Labor Services





Illinois Department of Transportation

Affidavit of Illinois Business Office

County DuPage
Local Public Agency Villa Park
Section Number N/A
Route South Michigan Ave

State of Illinois)
) ss.
County of Cook)

I, Adele Lampignano of Scahumburg, Illinois
(Name of Affiant) (City of Affiant) (State of Affiant)

being first duly sworn upon oath, states as follows:

- 1. That I am the President of A Lamp Concrete Contractors, Inc.
officer or position bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, A Lamp Concrete Contractors, Inc. will maintain a
(bidder)
business office in the State of Illinois which will be located in Cook 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.

Adele Lampignano
(Signature)
Adele Lampignano, President
(Print Name of Affiant)

This instrument was acknowledged before me on 10th day of October, 2017.

(SEAL)



Kelly L. Biello
(Signature of Notary Public)



VILLAGE OF VILLA PARK

SPECIAL PROVISIONS

FOR

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT
(JACKSON TO MADISON)**

ISSUED FOR BID SEPTEMBER 22, 2017

PREPARED BY



**7325 JANES AVENUE
WOODRIDGE, ILLINOIS 60517**

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**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

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VILLAGE OF VILLA PARK**

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**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

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2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", adopted April 1, 2016 (referred to hereinafter as the Standard Specifications); the "Supplemental Specifications and Recurring Special Provisions", adopted January 1, 2017; the latest edition of the "Illinois Manual on Uniform Traffic Control Devices For Streets and Highways" (IMUTCD); and the "Standard Specifications for Water and Sewer Construction in Illinois", 7th Edition, 2014 (referred to hereinafter as the Water and Sewer Specifications). In case of conflict with any part or parts of said Specifications, these Special Provisions shall take precedence and shall govern. Where no conflict exists, the said Specifications shall apply to this Contract as if repeated in their entirety herein.

DEFINITIONS

Contractor. The individual, firm, partnership, joint venture, or corporation contracting with the Village of Villa Park for performance of prescribed work.

Department, Owner or Village. The Village of Villa Park, DuPage County, Illinois.

Engineer. The Resident Engineer who is the authorized representative of the Village of Villa Park in immediate charge of the engineering details of a construction project.

LOCATION OF PROJECT

South Michigan Avenue is a north/south roadway and is located approximately ½ mile east of South Westmore-Meyers Road in the Village of Villa Park, DuPage County. The project begins at the intersection of South Michigan Avenue and Jackson Street at Station 99+62.00. The project extends in a northerly direction to Station 112+98.00 which is just south of the intersection of South Michigan Avenue and West Madison Street. The net and gross project length is 1,336 feet (0.2530 mile).

DESCRIPTION OF PROJECT

The work consists of pavement and driveway removal, earth excavation, aggregate subgrade improvements, structure removal, structure adjustments, drainage improvements, hot-mix asphalt paving, combination concrete curb and gutter removal and installation, driveway restoration, parkway restoration, sidewalk removal and replacement, and other related and incidental work necessary to complete the improvements as shown on the plans and as described herein.

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK****ALTERNATIVES**

The Contractor shall submit a bid price for Alternative 1 and Alternative 2 using the unit prices. The Village will award only one alternative and the bid unit prices shall remain unchanged throughout the entire contract length including the warranty period.

The Contractor shall perform all portions of the work in accordance with the requirements of the plans, specifications, and special provisions and shall comply with the requirements contained in the respective specification sections. Alternative 1 shall include the installation of a 72" relief storm sewer. Alternative 2 shall include the installation of a 54" relief storm sewer. All non-drainage related items for the project shall remain unchanged in each alternative.

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK****GENERAL SPECIAL PROVISIONS****QUALIFICATIONS OF BIDDERS**

Bidders will comply with all applicable Federal, State and local laws and requirements, and will further meet the qualifications prescribed in this and other applicable portions of these provisions.

Bidder, in submitting a Bid, certifies that Bidder is in compliance with all applicable Federal, State and local laws and requirements, and that Bidder further meets the qualifications prescribed in this and other applicable portions of these provisions. Engineer's determination as to the compliance and qualifications of the Bidder will be final, and Bidder, in submitting a Bid, agrees to be bound by that determination.

Bidder, in submitting a Bid, certifies that Bidder is in compliance with the following requirements and qualifications. Bidder further certifies that Bidder is able to provide written evidence of Bidder's compliance with the following requirements and qualifications. Bidder shall, upon request by Engineer, submit such written evidence within five (5) calendar days of the Engineer's request, as well as any other written evidence which Engineer may deem necessary for the purpose of evaluating Bidder's qualifications.

- (a) Bidder shall be qualified to do business in the State of Illinois.
- (b) Bidder shall possess either a valid Federal Employer Tax Identification Number (FEIN) or a valid Social Security Number (SSN).
- (c) Bidder shall be able to provide a street address and description of the Bidder's place of business, and the mailing address of the business, if different from the street address.
- (d) Bidder shall be able to provide the number of years Bidder has been engaged in the contracting business under the present firm name, and the name of the state where incorporated.
- (e) Bidder shall be able to provide a list of the property and equipment available to the Bidder.
- (f) Bidder shall be able to provide a financial statement demonstrating that the Bidder has the financial resources to meet all obligations related to the Work.
- (g) Bidder shall maintain insurance policies with the coverages required by the Contract, and with the minimum limits of coverage required by the Contract. Bidder shall be able to provide current certificate(s) of insurance for the

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
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- insurance policies held by Bidder, demonstrating that Bidder holds insurance policies with the coverages required by the contract, and with the minimum limits of coverage required by the Contract.
- (h) Bidder shall have constructed a minimum of three (3) projects of a similar nature in the immediate past five (5) years. Bidder shall be able to provide a list of all projects of a similar nature constructed by Bidder in the immediate past five (5) years, which list shall contain the minimum of three (3) such projects, which list shall provide a description and the location(s) of all such projects, and shall contain the Bidder's performance record and references, as well as the names and current contact information, including addresses and telephone numbers, of persons who acted as owners' representatives for those projects and who have knowledge of those projects, and whom Bidder agrees the Village may contact for the purpose of verifying Bidder's performance and references.
 - (i) Bidder shall be able to provide a list of three (3) references (name, address and telephone number) with knowledge of the integrity and business practices of the bidder. Such references may not be persons who have been employed by Bidder as employees.
 - (j) Bidder shall be able to provide a list of projects presently under Contract, the awarded Contract amount of each, the approximate adjusted Contract amount of each (if applicable), and the dollar amount or percent of completion of each.
 - (k) Bidder shall be able to provide a list of Contracts which have resulted in lawsuits, whether against Bidder as a prime Contractor, against Bidder as a subcontractor, or against Bidder as a party in any other capacity; or against subcontractors or suppliers performing work for Bidder or under Contract held by Bidder.
 - (l) Bidder shall be able to provide a list of Contracts defaulted.
 - (m) Bidder shall be able to provide a statement indicating whether or not Bidder has ever filed bankruptcy.
 - (n) Bidder shall be able to provide a list of all officers of the firm, which list shall also indicate those officers who, while in the employ of the firm or in the employ of previous firms, were associated with Contracts which resulted in lawsuits, Contracts defaulted, or firms which filed for bankruptcy.
 - (o) Bidder shall maintain personnel guaranteed to be employed in the responsible charge of the Work, which personnel possess sufficient technical experience to ensure the satisfactory completion of the Work. Bidder shall be

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

able to provide the names and technical experience of such personnel, as well as statements as to whether the personnel have or have not performed satisfactorily on other contracts of like nature and magnitude or comparable difficulty at similar rate of progress.

- (p) Bidder shall be able to provide a list of subcontractors and suppliers anticipated to be employed by Bidder for the purpose of completing the Work, including the firm name, street address and description of place of business; mailing address of business (if different); phone, fax and e-mail contact information of business; name of primary contact; and a list of any projects or contracts for which Bidder currently owes monies to said firm, which list shall include a description of the project or contract, the amount currently due to said firm, the period of time for which those monies have been owed, and the expected date of payment of those monies.
- (q) Bidder shall participate in active apprenticeship and training programs approved by and registered with the United States Department of Labor Bureau of Apprenticeship and Training for each of the trades of work contemplated under the Contract. Bidder shall be able to provide evidence of Bidder's participation in such apprenticeship and training programs.
- (r) Bidder shall only employ subcontractors who meet the requirements prescribed in this section and other sections of these specifications.
- (s) Bidder shall be able to provide such other information as may assist the Village in determining whether the Bidder is adequately prepared to fulfill the Contract.

These requirements and qualifications are not intended to discourage bidding, to make it difficult for qualified Bidders to submit Bids, or to discourage beginning Contractors. The purpose of these requirements and qualifications is to allow the Village to obtain sufficient information about Bidder's financial state, available equipment, personnel, and previous work experience so that the Village may mitigate the hazards involved in awarding contracts to parties who may not be qualified to perform the Work as specified.

A copy of the Village of Villa Park Ordinance No. 3733, amending the requirements of bidders for construction projects, is provided as Appendix A.

BID PRICE LIMITATIONS

The bid price for TRAFFIC CONTROL AND PROTECTION shall not exceed 5 percent of the total bid price. If the bid price for TRAFFIC CONTROL AND PROTECTION exceeds 5 percent of the total bid price, the Village may reject the Bid.

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The bid price for CONSTRUCTION LAYOUT shall not exceed 2 percent of the total bid price. If the bid price for CONSTRUCTION LAYOUT exceeds 2 percent of the total bid price, the Village may reject the Bid.

The bid price for PRE-CONSTRUCTION VIDEO RECORDING shall not exceed 1 percent of the total bid price. If the bid price for PRE-CONSTRUCTION VIDEO RECORDING exceeds 1 percent of the total bid price, the Village may reject the Bid.

Bidder, in submitting a Bid, certifies that the Bid is in compliance with these requirements. The Village's determination as to whether or not to reject a Bid that does not comply with these requirements will be final, and Bidder, in submitting a Bid, agrees to be bound by that determination.

BIDS TO REMAIN SUBJECT TO ACCEPTANCE

All bids shall remain subject to acceptance by the Village for a period of 60 calendar days from the date of the bid opening. The Village may extend the acceptance period by up to an additional 60 calendar days upon written notice to all bidders by the Village. The Village may, in its sole discretion, release any bid and return the bid bond prior to the end of the acceptance period.

SUBCONTRACTORS

Add the following paragraph to the end of Article 108.01 of the Standard Specifications:

"The apparent low Bidder shall submit to the Village within 7 calendar days after the receipt of bids, a list of the names of Bidder's proposed subcontractors and material suppliers along with a description of the work to be performed or the materials to be supplied by each."

INSURANCE

Insurance and indemnification shall be in accordance with applicable sections of the Standard Specifications, and shall also be in accordance with the "IRMA Contractual Insurance Guidelines", incorporated herein as Appendix B. If a conflict is determined to exist between the requirements prescribed in the Standard Specifications and the requirements prescribed in the IRMA Contractual Insurance Guidelines, such conflict will be resolved as follows:

- a. If a particular type of insurance coverage is required by one standard but not by both, that type of insurance coverage will be required.

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- b. If the minimum limits of insurance coverage required by one standard differ from those required by the other standard, the higher minimum limits of insurance coverage will prevail.
- c. If any other conflicts are determined to exist between the requirements prescribed in the two standards, the stricter of the two requirements will prevail. The Village will make the final determination as to what constitutes a stricter requirement.

INCREASED OR DECREASED QUANTITIES

The Village reserves the right to increase or decrease the amount of work shown in the plans in accordance with Section 109 of the Standard Specifications.

MOBILIZATION

Mobilization shall be in accordance with Section 671 of the Standard Specifications, except as modified herein.

Revise Article 671.02, Basis of Payment, to read:

“671.02 Basis of Payment. This work will not be paid for separately but shall be included in the unit bid prices of the items for which this work applies.”

WINTER WORK

If Contractor elects to begin any site work before or during winter, no additional compensation will be granted for any costs or delays incurred by the Contractor as a result of winter weather. The Contractor shall be responsible for the implementation and cost of any winter shutdown provisions which are deemed necessary by the Engineer.

PORTABLE TOILET

Contractor shall furnish a portable toilet meeting Federal, State and local health department requirements stocked with lavatory and sanitary supplies at all times. The portable toilet shall be provided at a location approved by the Engineer. The portable toilet shall be maintained in a clean and sanitary condition and shall be emptied as needed. This work will not be paid for separately but shall be included in the cost of the contract.

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK****WORKING HOURS**

Working hours will be between 7:00 A.M. and 5:00 P.M., Monday through Friday, excluding holidays as designated by the Contract.

Contractor will not permit the performance of Work outside these working hours without Owner's written consent, which may be given after prior written request to Engineer, except as otherwise required for the safety of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents.

If Contractor permits the performance of Work outside these working hours, Contractor will compensate Owner for the costs of inspection and other services provided by Engineer. Owner will determine the rates at which such inspection and other services are to be compensated. Owner will determine the interval or intervals at which billing will take place, and may, at Owner's discretion, submit invoices for payment to Contractor, or deduct the costs from any monies due or to become due to the Contractor from Owner.

HOLIDAYS

Revise the list of legal holidays in Article 107.09 of the Standard Specifications to read:

New Year's Day	Thanksgiving Day
Easter	<u>Thanksgiving Friday</u>
Memorial Day	<u>Christmas Eve</u>
Independence Day	Christmas Day
Labor Day	<u>New Year's Eve</u>

PUBLIC CONVENIENCE AND SAFETY (D-1)

Effective: May 1, 2012

Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

"If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply."

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

"The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After"

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VILLAGE OF VILLA PARK**

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

“On weekends, excluding holidays, on roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical.”

OPERATION OF WATER DISTRIBUTION FACILITIES

Contractor shall not operate any water distribution facilities, including, but not limited to, valves or hydrants. If Contractor requires the operation of such facilities, Contractor shall provide a minimum of 48 hours' notice to the Village and the Village will operate such facilities.

CONSTRUCTION SAFETY AND HEALTH STANDARDS

It is a condition of this contract and shall be made a condition of each subcontract entered into pursuant to this contract that the Contractor and any Subcontractor shall not require any laborer or mechanic employed in performance of that contract to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous to their health or safety, as determined under Federal Construction Safety and Health Standards.

FINAL INSPECTION

Final inspection shall be in accordance with Article 105.13 of the Standard Specifications, except as modified herein.

Revise the second paragraph of Article 105.13, Final Inspection, to read:

“If the inspection discloses any work, in whole or in part, as being unsatisfactory, the Engineer will give the Contractor the necessary instructions for correction of same, and the Contractor shall comply with such instructions within 14 calendar days of receipt of such instructions. The Contractor shall give the Engineer not less than 48 hours notice, in writing, prior to beginning any such corrective work. Upon completion of all corrective work, the Contractor shall give the Engineer notice in writing. Upon receipt of such notice, the Engineer will make another inspection which shall constitute the final inspection provided the work has been satisfactorily completed. In such event, the Engineer will notify the Contractor in writing of the date of final inspection.”

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK****MAINTENANCE WARRANTY**

The Contractor shall execute and deliver to the Village, before final payment will be issued, a written warranty, in a form satisfactory to the Village, which guarantees that all work is in accordance with the contract and will not be defective. This warranty shall guarantee all work for a period of 1 year from the date of final inspection.

The Contractor shall furnish a warranty bond in an amount equal to 10 percent of the final contract amount by a surety satisfactory to the Village to guarantee Contractor's warranty to repair defective work.

If, within the warranty period, the Village determines any work to be defective, a written notice of such deficiency will be sent to the Contractor by certified mail.

The Contractor shall, within 14 calendar days of receipt of the notice of deficiency, and without cost to the Village, correct or repair such defective work, or remove and replace the defective work in accordance with the contract requirements for the item or items in question.

If Contractor desires an extension of time to complete the corrective work, Contractor shall make such request in writing within 10 calendar days of receipt of the notice of deficiency. After the Contractor has filed a request for an extension of time, the Village will notify the Contractor, in writing, whether or not such extension will be approved.

Should the Contractor fail to complete the corrective work within the 14 calendar days or within such extended time as may have been allowed, the Contractor shall be liable and shall pay to the Village the amount shown in the Schedule of Deductions for Each Day of Overrun in Contract Time, not as a penalty but as liquidated damages, for each day of overrun beyond the 14 calendar days or such extended time as may have been allowed.

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.

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VILLAGE OF VILLA PARK

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".

KEEPING ROADS OPEN TO TRAFFIC

All roads shall remain open to traffic unless otherwise shown on the contract plans. When necessary to close one lane because of construction, the Contractor shall maintain one-way traffic during construction hours with the use of signs and flaggers as shown on the Traffic Control Standards. Two lanes of traffic will be maintained during nights and weekends when no construction activities are being carried on.

RESPONSIBILITY FOR VANDALISM

The Contractor shall be responsible for the protection of all equipment and materials. Any equipment or materials which are stolen, missing, lost, damaged or vandalized shall be the Contractor's responsibility to replace or repair as needed at no additional cost to the contract.

The Contractor shall be responsible for the defacement of any concrete pours before they have set up. Concrete pavement, sidewalk, driveway, or curbing that has been defaced, in the opinion of the Engineer, shall be removed and replaced by the Contractor at Contractor's expense.

USE OF FIRE HYDRANTS

Revise Article 107.18, Use of Fire Hydrants, of the Standard Specifications to read:

"107.18 Use of Fire Hydrants. If Contractor requires water for the completion of construction operations, and desires to obtain water from the Village, the Contractor shall make written application to the Village. If such application is approved by the Village, the Contractor shall obtain water from the fire hydrant located at 100 West Home Avenue, adjacent to the Village of Villa Park Fleet Maintenance Garage. Contractor's use of said hydrant and methods of obtaining water shall be in compliance with all applicable ordinances, rules, and regulations concerning such use. Contractor shall furnish all labor and equipment necessary to make a connection to said hydrant, and to obtain and transport water.

Prior to obtaining water, Contractor shall make written application to the Village for temporary use of a hydrant meter. If the application for temporary use of a hydrant meter is approved, the Contractor shall provide a deposit of three-thousand dollars

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(\$3,000.00) to the Village for the temporary use of said hydrant meter, which deposit will be held by the Village until such time that the meter is returned to the Village by the Contractor in satisfactory condition. Contractor shall use said hydrant meter when obtaining water, and shall comply with all conditions for the use of said meter. Contractor shall return the hydrant meter to the Village within 24 hours of project completion and within 24 hours of any request by the Village that the hydrant meter be returned.

If Contractor makes application for temporary use of a hydrant meter and the application is not approved, Contractor shall make record of the quantity of water obtained, along with the date and time obtained, and shall report such information after each use to the Village of Villa Park Public Works Department, 11 West Home Avenue. If such use takes place outside of the normal working hours of the Public Works Department, Contractor shall report such information immediately upon the commencement of normal working hours.

Contractor shall not use, operate or obtain water from any hydrants other than the hydrant prescribed. Contractor shall not obtain water from the Village for construction operations or activities not under contract with the Village.

If a water main break occurs and the Village determines that the water main break is a result of Contractor's use of a hydrant, the Village may require the Contractor to repair the water main break in accordance with all applicable construction standards and requirements and at no cost to the contract, or may repair the water main break by other means and invoice the Contractor for reimbursement of the Village's costs.

Water usage will be measured according to the Special Provisions WATER USAGE DEDUCTION and WATER USAGE CREDIT."

TRENCH BACKFILL AND PIPE BEDDING

All trench backfill and pipe bedding materials furnished under this contract shall be virgin, non-recycled materials.

EXCAVATION AND BACKFILLING OF DRAINAGE AND UTILITY STRUCTURES

Excavation, bedding and backfilling of drainage and utility structures which are constructed, reconstructed, or adjusted as a part of this contract will not be paid for separately but shall be included in the cost of the items to which this work pertains.

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK****ADJUSTING RINGS**

All drainage and utility structures which are constructed, reconstructed, or adjusted as a part of this contract shall have adjusting rings installed between the topmost section of the structure and the casting.

Each structure shall be fitted with a minimum of one adjusting ring and a maximum of two adjusting rings. The topmost adjusting ring on each structure shall be rubber. The second adjusting ring on each structure, if needed, shall be precast concrete with steel reinforcement. The total height of all adjusting rings on a single structure shall be a minimum of 2 in. and a maximum of 12 in.

The mating faces of adjusting rings shall be smooth, parallel, and free of cracks, chips, spalling, or casting irregularities. Rubber mastic shall be installed between each joint.

Adjusting rings will not be paid for separately but shall be included in the cost of the items to which this work pertains.

SALVAGE AND DISPOSAL OF EXISTING MATERIALS

Existing manufactured materials which are removed and are not to be reused, including, but not limited to, frames, grates, lids, castings, sign posts, sign panels, fire hydrants, valves, stops, and fittings, shall remain the property of the Village unless the Engineer waives this requirement as specified herein.

Existing manufactured materials which are removed and are not to be reused will be inspected by the Engineer. Materials which are determined by the Engineer to be in satisfactory condition shall remain the property of the Village and shall be delivered by the Contractor to the Village of Villa Park Public Works Department yard located at 51 South Ardmore Avenue in Villa Park. Delivery shall be made during the normal working hours of the Village of Villa Park Public Works Department and the Contractor shall coordinate the day, time, and other details of delivery with the Village.

Materials which are determined by the Engineer to be in unsatisfactory condition shall become the property of the Contractor and shall be removed from the site by the end of the workday and properly disposed of by the Contractor.

The delivery or disposal of materials will not be paid for separately but shall be included in the cost of all items that include removal of existing materials.

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK****FRAMES, GRATES AND LIDS**

Frames, grates, lids and all other castings furnished under this contract shall be in accordance with Section 602 and Section 604 of the Standard Specifications, except as modified herein.

Castings shall conform to ASTM A48 Class 30. Castings shall be free of cracks, holes, swells, cold shuts, and patches. Castings shall not be coated or painted.

Frames, grates, lids and other castings shall be furnished in accordance with the following:

Type 1 frames and closed lids shall be Neenah R-1713 self-sealing or approved equal.

Type 1 frames and open lids shall be Neenah R-1713 or approved equal.

Type 11 frames and grates located in barrier curb and gutter shall be Neenah R-3281-A with curb box or approved equal.

Type 11 frames and grates located in depressed curb and gutter shall be Neenah R-3281-A with depressed curb grate or approved equal.

All other castings not specified above shall be as shown on the plans or as directed by the Engineer. If any of the castings specified are not compatible in the field due to frame height or other constraints, the Contractor shall propose an alternate casting to the Engineer for approval and shall furnish the alternate casting if approved.

Frames, grates, lids and other castings located within curb ramps or crosswalks shall be substituted with ADA compliant castings.

All closed lid castings furnished under this contract shall be self-sealing, gasketed, watertight, and shall have machined bearing surfaces and concealed pick holes. The top surface of all closed lids shall be embossed with the words "VILLAGE OF VILLA PARK". The top surface of closed lids shall also be embossed with the word "SANITARY", "STORM", or "WATER" as appropriate.

Enviro-curb logos on curb boxes for Type 11 frames and grates shall have the words "DUMP NO WASTE" and "DRAINS TO RIVER" or "DRAINS TO WATERWAY" cast into the top of all curb boxes.

This work will not be paid for separately but shall be included in the cost of all pay items that include the furnishing of frames, grates, lids, or other castings.

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VILLAGE OF VILLA PARK****DATE OF MANUFACTURE**

All manufactured materials furnished under this contract, including, but not limited to, frames, grates, lids, castings, fire hydrants, pipe, drainage and utility structures, valves, stops, and fittings, shall have been manufactured no earlier than January 1 of the calendar year in which they are to be installed.

IRON AND STEEL MATERIALS

All iron and steel materials furnished under this contract shall be domestically manufactured or produced and fabricated in accordance with Article 106.01 of the Standard Specifications.

PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION

Unless otherwise noted in the contract plans, the existing drainage facilities shall remain in use during the period of construction.

Locations of existing drainage structures and sewers, if shown on the contract plans, are approximate. Prior to commencement of work, the Contractor, at his/her own expense, shall determine the exact location of existing structures which are within the proposed construction site.

All drainage structures are to be kept free from any debris resulting from construction operations. All work and materials necessary to prevent accumulation of debris in the drainage structure resulting from construction operations shall be removed at the Contractor's own expense, and no extra compensation will be allowed.

Unless reconstruction or adjustment of an existing manhole, catch basin, or inlet is called for in the contract plans or ordered by the Engineer, the proposed work shall meet the existing elevations of these structures. Should reconstruction or adjustment of a drainage structure be required by the Engineer in the field, the necessary work and payment shall be done in accordance with Section 602 and Article 104.02 respectively, of the Standard Specifications.

Existing frames and grates are to remain unless otherwise noted in the contract plans or as directed by the Engineer. Frames and grates that are missing or damaged prior to construction shall be replaced. The type of replacements frame or grate shall be determined by the Engineer, and replacement and payment for same shall be in accordance with Section 604 and Article 104.02 respectively, of the Standard Specifications unless otherwise noted in the plans or special provisions.

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK****DROP HAMMERS**

The use of drop hammers or similar equipment will not be permitted.

STORM STRUCTURES

All manholes, catch basins, and inlets installed under this contract shall be in accordance with Section 602 of the Standard Specifications, except as modified herein.

Unless otherwise noted, the proposed catch basin, manholes, inlets and drainage structures shall be Precast Reinforced Concrete (per Section 1042 of the Standard Specifications).

This work will be paid for at the contract unit price per EACH for catch basins, manholes and inlets with the appropriate frames, grates and lids.

STORM STRUCTURES – WEST CURB LINE

Prior to ordering materials, Contractor shall locate the existing water main (horizontally and vertically) at the location of the proposed catch basins along the west curb line to identify if a conflict exists. Locating the existing water main shall be paid for as "EXPLORATION TRENCH, SPECIAL."

If the proposed catch basin results in a conflict with the existing water main, the Contractor shall instead install a two foot inlet. The inlet shall be paid for as "INLETS, TYPE A, TYPE 11 FRAME AND GRATE" and all the special provisions for inlets shall govern. The Contractor will not be paid for the catch basin at these locations.

MAINTAINING ACCESS TO JACKSON MIDDLE SCHOOL

The Contractor shall be responsible for maintaining vehicular and pedestrian access to Jackson Middle School and at the intersection of Michigan Avenue and Jackson Street. The Contractor shall coordinate with Jackson Middle School at least 14 days prior to the start of construction at the intersection of Michigan Avenue and Jackson Street. The maintenance of access may include, but is not limited to: staged construction, sidewalk detours, and completing the work outside of Jackson Middle School's peak hours of traffic. Maintaining access to Jackson Middle School will not be paid for separately but shall be included in the cost of the contract.

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK****NOTIFICATION OF RESIDENTS**

The Contractor shall be responsible for notifying residents of project schedule, driveway closures, utility disconnects, irrigation system conflicts in the parkway, landscape and hardscape conflicts, and any other construction operations that may disrupt the neighborhood. The Contractor shall coordinate with the Village Engineer on the notification process, content, and lead times within 7 days of being awarded the contract. The notification process may include, but is not limited to: door to door in person notification, flyers delivered in person or sent via certified mail, and neighborhood meetings. Notification of Residents will not be paid for separately but shall be included in the cost of the contract.

SIGN RELOCATION

All existing signs that need to be temporarily removed as part of the construction process or relocated due to location of proposed curb are to be reinstalled at the same station. Sign relocation, assembly removal, storage, temporary signing, and reinstallation to be included in the cost of TRAFFIC CONTROL AND PROTECTION (SPECIAL)

SAW CUTS

Saw cuts are required at all pavement removal limits. All saw cuts performed during the construction process will not be paid for separately but shall be included in the cost of the removal item adjacent to the saw cut.

STATUS OF UTILITIES (D-1)

Effective: June 1, 2016

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

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be

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required to obtain the necessary permits to complete their work; in some instances resolution will be a function of the construction staging. The responsible agency must relocate or complete new installations as noted in the action column; this work has been deemed necessary to be complete for the Department's Contractor to then work in the stage under which the item has been listed.

Pre-Stage

STAGE / LOCATION	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	ACTION
East Parkway	Electrical/ Street Lights	Aerial Cable, Street Light Poles	ComEd	The Contractor shall coordinate relocation and bracing of street light poles.
East Parkway Sta. 111+00 to Sta. 112+00	3 Phase Electrical	Aerial Cable, Poles	ComEd	The Contractor shall coordinate bracing and protect utility from damage during construction.
East Parkway Sta. 101+60 to Sta. 111+50	Phone	Aerial Cable	AT&T	The Contractor shall protect utility from damage during construction.
West Parkway Sta. 100+00 to Sta. 104+50 East Parkway Sta. 104+50 to Sta. 111+50 Crossings At Sta. 100+20 and Sta. 104+60.	Gas	Underground Gas Main and Services	Nicor	The Contractor shall coordinate conflicts of mains and services and protect utility from damage during construction.

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

Agency/Company Responsible to Resolve Conflict	Name of contact	Address	Phone	e-mail address
ComEd Single Phase and Street Lighting	Vera Jackson	321 Swift Rd, Lombard, IL 60148	630.691.4863	Vera.jackson@comed.com
ComEd Three Phase	Christian Mukania	321 Swift Rd, Lombard, IL 60148	630.437.2927	Christian.Mukania@exeloncorp.com
AT&T	Janet Ahern	1000 Commerce Drive Oak Brook, IL 60523	630.573.6414	ja1763@att.com
Nicor Gas	Bruce Koppang	1844 Ferry Road Naperville, IL 60563	630.388.3830	bkoppan@aglresources.com

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Description. This work shall consist of performing tree root pruning. This work shall be in accordance with Section 201 of the Standard Specifications, except as modified herein.

Fertilizer nutrients and supplemental watering will not be paid for separately, but shall be included in the cost of TREE ROOT PRUNING.

Method of Measurement. This work will be measured for payment as each per tree.

Basis of Payment. This work will be paid for at the contract unit price per each for TREE ROOT PRUNING.

PAY ITEM #10 – PARKWAY RESTORATION

This work shall be done in accordance with Sections 211 and 252 of the Standard Specifications and the Details provided in the Plans, except where modified herein.

Description. The purpose of this work is to restore the areas disturbed by construction and/or to provide proper drainage in the parkways.

This work shall include restoring disturbed areas within the construction limits, removing excess backfill material, excavating for proposed ADA ramps, furnishing and placing 4" of topsoil in accordance with Section 211, compacting and grading to maintain positive slope, fertilizing, and sodding the areas in accordance with Section 252. Contractor is responsible for repairing any parkway settlement to the engineer's approval.

Materials.

- (a.) Topsoil shall meet the requirements of Article 211.02.
- (b.) Salt Tolerant Sod shall meet the requirements of Article 252.02
- (c.) Fertilizer shall meet the requirements of Article 252.02

Construction. Installation of the topsoil shall be per Article 211.04. Installation of the sod and fertilizer shall be per Articles 252.03-252.06.

Add the following to the end of Article 252.03:

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“The removal of excess backfill material shall be included in the pay item for PARKWAY RESTORATION.”

Method of Measurement. Parkway Restoration will be measured for payment in place and the area computed in square yards. To be acceptable for final payment, the sod shall be growing in place for a minimum of 30 days in a live, healthy condition. When directed by the Engineer, any defective or unacceptable sod shall be removed, replaced, and watered.

Basis of Payment. This work will be paid for at the contract unit price per square yard for PARKWAY RESTORATION.

PAY ITEM #13 – INLET FILTERS

Description. This work shall consist of installing, maintaining and cleaning inlet filters as shown on the plans or as directed by the Engineer. This work shall be in accordance with Section 280 of the Standard Specifications, except as modified herein.

Inlet filters shall consist of metal frames with attached fabric bags. Contractor shall furnish inlet filters of appropriate sizes and shapes necessary to accommodate all different types of drainage structures encountered. The use of filter fabric without a frame will not be an acceptable material for inlet filters and will be rejected.

Contractor shall inspect and clean all inlet filters weekly, after every rainfall, and additionally as needed. Maintenance and cleaning of inlet filters will not be paid for separately but shall be included in the cost of this work.

Method of Measurement. This work will be measured for payment as each individual inlet filter installed and the unit of measurement will be each. No measurement will be made of maintenance and cleaning efforts. If an inlet filter is installed on multiple structures the inlet filter will only be measured for payment once.

Basis of Payment. This work will be paid for at the contract unit price per each for INLET FILTERS.

PAY ITEM #14 – AGGREGATE SUBGRADE IMPROVEMENT

This work shall be done in accordance with Section 303 of the IDOT District 1 Special Provisions. Add the following Section to the Standard Specifications:

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“SECTION 303. AGGREGATE SUBGRADE IMPROVEMENT

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

303.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.07
(b) Reclaimed Asphalt Pavement (RAP) (Notes 1, 2 and 3)	1031

Note 1. Crushed RAP, from either full depth or single lift removal, may be mechanically blended with aggregate gradation CS 01 but shall not exceed 40 percent by weight of the total product. The top size of the Coarse RAP shall be less than 4 in. (100 mm) and well graded.

Note 2. RAP having 100 percent passing the 1 1/2 in (37.5 mm) sieve and being well graded, may be used as capping aggregate in the top 3 in. (75 mm) when aggregate gradation CS 01 is used in lower lifts. When RAP is blended with any of the coarse aggregates, the blending shall be done with mechanically calibrated feeders. The final product shall not contain more than 40 percent by weight of RAP.

Note 3. The RAP used for aggregate subgrade improvement shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, “Reclaimed Asphalt Pavement (RAP) for Aggregate Applications”.

303.03 Equipment. The vibratory machine shall be according to Article 1101.01, or as approved by the Engineer. The calibration for the mechanical feeders shall have an accuracy of ± 2.0 percent of the actual quantity of material delivered.

303.04 Soil Preparation. The stability of the soil shall be according to the Department’s Subgrade Stability Manual for the aggregate thickness specified.

303.05 Placing Aggregate. The maximum nominal lift thickness of aggregate gradation CS 01 shall be 24 in. (600 mm).

303.06 Capping Aggregate. The top surface of the aggregate subgrade shall consist of a minimum 3 in. (75 mm) of aggregate gradations CA 06 or CA 10. When Reclaimed Asphalt Pavement (RAP) is used, it shall be crushed and screened where 100 percent is passing the 1 1/2 in. (37.5 mm) sieve and being well graded. RAP that has been fractionated to size will not be permitted for use in capping. Capping aggregate will not be required when the aggregate subgrade improvement is used as a cubic yard pay item for undercut applications. When RAP is blended with any of the coarse aggregates, the blending shall be done with mechanically calibrated feeders.

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303.07 Compaction. All aggregate lifts shall be compacted to the satisfaction of the Engineer. If the moisture content of the material is such that compaction cannot be obtained, sufficient water shall be added so that satisfactory compaction can be obtained.

303.08 Finishing and Maintenance of Aggregate Subgrade Improvement. The aggregate subgrade improvement shall be finished to the lines, grades, and cross sections shown on the plans, or as directed by the Engineer. The aggregate subgrade improvement shall be maintained in a smooth and compacted condition.

303.09 Method of Measurement. This work will be measured for payment according to Article 311.08.

303.10 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) for AGGREGATE SUBGRADE IMPROVEMENT or at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE IMPROVEMENT, of the thickness specified.

Add the following to Section 1004 of the Standard Specifications:

"1004.07 Coarse Aggregate for Aggregate Subgrade Improvement. The aggregate shall be according to Article 1004.01 and the following.

- (a) Description. The coarse aggregate shall be crushed gravel, crushed stone, or crushed concrete. The top 12 inches of the aggregate subgrade improvement shall be 3 inches of capping material and 9 inches of crushed gravel, crushed stone or crushed concrete. In applications where greater than 36 inches of subgrade material is required, rounded gravel, meeting the CS01 gradation, may be used beginning at a depth of 12 inches below the bottom of pavement.
- (b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of deleterious materials. Non-mechanically blended RAP may be allowed up to a maximum of 5.0 percent.
- (c) Gradation.
- (1) The coarse aggregate gradation for total subgrade thicknesses of 12 in. (300 mm) or greater shall be CS 01.

Grad No.	COARSE AGGREGATE SUBGRADE GRADATIONS				
	Sieve Size and Percent Passing				
	8"	6"	4"	2"	#4
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20

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	COARSE AGGREGATE SUBGRADE GRADATIONS (Metric)				
Grad No.	Sieve Size and Percent Passing				
	200 mm	150 mm	100 mm	50 mm	4.75 mm
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20

(2) The 3 in. (75 mm) capping aggregate shall be gradation CA 6 or CA 10.

PAY ITEM #16-18 – TEMPORARY ACCESS

Description. This work shall consist of furnishing and placing aggregate for use as temporary access in accordance with section 402 of the Standard Specifications, except as modified herein. Revise Article 402.10 of the Standard Specifications to read:

“402.10 For Temporary Access. The Contractor shall construct and maintain aggregate surface course for temporary access to private entrances, commercial entrances and roads according to Article 402.07 and as determined by the Engineer.

The aggregate surface course shall be constructed to the dimensions and grades specified below, except as modified by the plans or as determined by the Engineer. Material shall be well graded 100 percent crushed gravel or crushed stone aggregate free of clay, loam, dirt, calcareous or other foreign matter conforming to the Standard Specifications gradation No. CA6.

- (a) Private Entrance. The minimum width shall be 12 ft. The minimum compacted thickness shall be 6 in. The maximum grade shall be eight percent, except as required to match the existing grade.
- (b) Commercial Entrance. The minimum width shall be 24 ft. The minimum compacted thickness shall be 9 in. The maximum grade shall be six percent, except as required to match the existing grade.
- (c) Road. The minimum width shall be 24 ft. The minimum compacted thickness shall be 9 in. The grade and elevation shall be the same as the removed pavement, except as required to meet the grade of any new pavement constructed.

Maintaining the temporary access shall include relocating and/or regrading the aggregate surface coarse for any operation that may disturb or remove the temporary access. The same type and gradation of material used to construct the temporary access shall be used to maintain it.

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When use of the temporary access is discontinued, the aggregate shall be removed and utilized in the permanent construction at the discretion of the Engineer or disposed of according to Article 202.03”.

Method of Measurement. Add the following to article 402.12:

“Aggregate surface Course for temporary access will be measured for payment as each for every private entrance, commercial entrance, or road constructed for the purpose of temporary access. If a residential drive, commercial entrance, or road is to be constructed under multiple stages, the aggregate needed to construct the second or subsequent stages will not be measured for payment but shall be included in the cost per each of the type specified”.

Basis of Payment. Revise the second paragraph of Article 402.13:

“Aggregate surface course for temporary access will be paid for at the contract unit price per each for TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (COMMERCIAL ENTRANCE), or TEMPORARY ACCESS (ROAD).

Partial payment of the each amount bid for temporary access, of the type specified, will be paid according to the following schedule:

- (a) Upon construction of the temporary access, sixty percent of the contract unit price per each, of the type constructed, will be paid.
- (b) Subject to the approval of the Engineer for the adequate maintenance and removal of the temporary access, the remaining forty percent of the pay item will be paid upon the permanent removal of the temporary access”.

PAY ITEM #19 – BITUMINOUS MATERIALS (TACK COAT)

Description. This work shall consist of the preparation and application of bituminous tack coat on concrete or HMA bases prior to HMA placement. This work shall be in accordance with Section 406 of the Standard Specifications, except as modified herein.

Bituminous tack coat shall be placed at least one hour in advance of the placement of HMA, but no more than 48 hours in advance of the placement of HMA. If Contractor places tack coat more than 48 hours in advance of the placement of HMA, the tack coat will not be measured for payment, and Contractor will place tack coat again in accordance with this provision. Tack coat shall not be placed on weekends or on holidays unless permitted by the Engineer. Tack coat shall not be placed before weekends or holidays when placement of HMA is not expected to take place until after the weekend or holiday, unless permitted by the Engineer.

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Basis of Payment. This work will be paid for at the contract unit price per pound for BITUMINOUS MATERIALS (TACK COAT).

PAY ITEM #23 – HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4”

Description. This work shall consist of placing 2 lifts of HMA Surface Course Mix “D” N50, to a minimum thickness of 4 inches, or to match the existing HMA thickness, whichever is greater. The pavement is to be placed on mechanically compacted Aggregate Base Course, Type B, 6”. Aggregate Base Course, Type B, 6” will not be paid for separately, but shall be included in the cost of HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4”

Construction. This work shall be performed in accordance with Articles 406.02, 406.03, 406.05, 406.06, 406.07, and 406.12 of the Standard Specifications.

Method of Measurement. This work shall be measured for payment in place and the area computed in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4”.

PAY ITEM #24 – PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6”

Description. This work shall consist of placing Portland Cement Concrete Driveway Pavement, 6”. This work shall be in accordance with Section 423 of the Standard Specifications, except as modified herein:

The pavement is to be placed on mechanically compacted Aggregate Base Course, Type B, 4”. Aggregate Base Course, Type B, 4” will not be paid for separately, but shall be included in the cost of PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6”

Method of Measurement. This work shall be measured for payment in place and the area computed in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6”

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PAY ITEM #25 – PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8”

Description. This work shall consist of placing Portland Cement Concrete Driveway Pavement, 8”. This work shall be in accordance with Section 423 of the Standard Specifications, except as modified herein:

The pavement is to be placed on mechanically compacted Aggregate Base Course, Type B, 6”. Aggregate Base Course, Type B, 6” will not be paid for separately, but shall be included in the cost of PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8”

Method of Measurement. This work shall be measured for payment in place and the area computed in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8”

PAY ITEM #26 – PORTLAND CEMENT CONCRETE SIDEWALK 5”

Description. This work shall consist of placing Portland Cement Concrete Sidewalk 5”. This work shall be in accordance with Section 424 of the Standard Specifications, except as modified herein:

The sidewalk is to be placed on mechanically compacted Aggregate Base Course, Type B, 4” Aggregate Base Course, Type B, 4” will not be paid for separately, but shall be included in the cost of PORTLAND CEMENT CONCRETE SIDEWALK 5”

The sidewalk is to be thickened to 6 inches at locations where the sidewalk crosses driveways. The 6 inch thick sidewalk through driveways will not be paid for separately, but shall be included in the cost of PORTLAND CEMENT CONCRETE SIDEWALK 5”

Method of Measurement. This work shall be measured for payment in place and the area computed in square foot.

Basis of Payment. This work will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK 5”

PAY ITEM #27 – DETECTABLE WARNINGS

Description. This work shall consist of installing detectable warnings. This work shall be in accordance with Section 424 of the Standard Specifications, except as modified herein.

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Detectable warnings shall be installed at curb ramps and other locations where pedestrians are required to cross a hazardous vehicular way. Detectable warnings shall also be installed at alleys and commercial entrances where permanent traffic control devices are present.

Materials. Detectable warnings shall be pre-cast tiles. Installation shall be cast-in-place. Surface mounted applications will not be permitted. Detectable warnings shall be red in color. Detectable warning tiles shall be either rectangular or radial in shape as shown on the plans or as directed by the Engineer. The product or products to be used for detectable warnings shall be approved by the Engineer prior to use.

Construction. Installation shall be according to the manufacturer's specifications and as directed by the Engineer.

Where a curb ramp is 5 ft. in width or less and a rectangular detectable warning tile is to be used, the installation shall consist of a single detectable warning tile. If a pre-cast detectable warning tile is not manufactured in the width of the curb ramp, a larger detectable warning tile shall be furnished and shall be cut to the width of the curb ramp.

Installation of multiple detectable warning tiles at a single curb ramp will only be permitted where a curb ramp exceeds 5 ft. in width or where radial detectable warning tiles are to be used. Where multiple detectable warning tiles are permitted at a single curb ramp, they shall be mechanically joined prior to installation.

Method of Measurement. Detectable warnings will be measured for payment in place and the area computed in square feet.

Basis of Payment. This work will be paid for at the contract unit price per square foot for DETECTABLE WARNINGS.

PAY ITEM #28 – PAVEMENT REMOVAL

Description. This work shall consist of removing roadway pavement. This work shall be in accordance with Section 440 of the Standard Specifications, except as modified herein:

Revise Section 440.07 (c) to read:

The quantity of pavement removal shall not be adjusted. Pavement removal includes pavement and subgrade to a depth of 9 inches. If a pavement thickness greater than 9" is encountered, the remaining pavement shall be paid for as EARTH EXCAVATION.

Method of Measurement. This work shall be measured for payment in place and the area computed in square yards.

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Basis of Payment. This work will be paid for at the contract unit price per square yard for PAVEMENT REMOVAL.

PAY ITEM #30 – DRIVEWAY PAVEMENT REMOVAL

Description. This work shall consist of removing driveway pavement. This work shall be in accordance with Section 440 of the Standard Specifications, except as modified herein:

Revise Section 440.07 (c) to read:

This work shall include all pavement removal and excavation required to reach the subgrade. The excavation depth shall include the excavation for the proposed aggregate base which is included in the cost of this item. The minimum excavation depth for residential driveways is 10 inches and for commercial driveways is 14 inches.

Method of Measurement. This work shall be measured for payment in place and the area computed in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for DRIVEWAY PAVEMENT REMOVAL.

PAY ITEM #34 – STORM SEWER, CLASS A, TYPE 3 54”

Description. This work shall consist of installing 54-inch storm sewers. This work shall be in accordance with Section 550 of the Standard Specifications, except as modified herein.

All utility service disconnects and reconnects associated with the storm sewer installation will not be paid for separately but shall be included in the cost of the storm sewer. Utilities must be reconnected at the end of each working day. No overnight or weekend utility outages will be allowed.

Work shall include all excavation and disposal of material associated with the pipe installation in accordance with Section 202.03 of the Standard Specifications.

Utility disconnects and reconnects shall be performed per the following:

- (a) Sanitary Sewer Service- This work shall be completed in accordance with the applicable portions of the latest edition of the “Standard Specifications for Water and Sewer Main Construction in Illinois” and the requirements of the Owner of the Sanitary Sewer, and shall consist of the repair of sanitary sewer residential service lines when disturbed by other construction

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crossing the service line, complete in place including CCTV inspection, excavation; bracing; trench dewatering; removal of existing building service lines; repair of service lines with PVC SDR 26 ASTM 2241 pipe and non-shear couplings; bedding and covering of pipe; and trench backfilling with trench backfill materials.

- (b) Water Service- This work shall be completed in accordance with the applicable portions of the latest edition of the "Standard Specifications for Water and Sewer Main Construction in Illinois" and the requirements of the Owner of the Water Service, and shall consist of the repair of residential water service lines when disturbed by other construction crossing the service line. All materials shall be per Pay Item #40 Water Service Connection Special Provision. If a service is lead it shall be replaced from the water main to b-box and paid for as WATER SERVICE CONNECTION, 1".
- (c) Nicor Gas- Contractor shall coordinate with Nicor for the disconnection and reconnection of gas service lines that are disturbed by construction crossing the gas service line.

Materials. Pipe shall be Type 3 Concrete Sewer (fill heights greater than 10-feet and less than 15-feet) with a diameter of 54-inches per Section 1042 of the Standard Specifications.

Pipe Elbows shall be furnished and installed per section 542.08 of the Standard Specifications and will be included in the cost of the 54-inch storm sewer. Contractor shall provide a shop drawing for the 54-inch Elbow to the Village and Engineer for review and approval.

Construction. Installation shall be according to the Standard Specifications and as directed by the Engineer.

Per Village standards, trench backfill shall be CA-6 and installed per Method 1 outlined in section 550.07 of the Standard Specifications.

Method of Measurement. Storm sewers will be measured for payment in place in feet and in accordance with section 550.09 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price per linear foot for STORM SEWERS, CLASS A, TYPE 3 54".

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PAY ITEM #35 – STORM SEWERS, CLASS A, TYPE 3 72”

Description. This work shall consist of installing 72-inch storm sewers. This work shall be in accordance with Section 550 of the Standard Specifications, except as modified herein.

All utility service disconnects and reconnects associated with the storm sewer installation will not be paid for separately but shall be included in the cost of the storm sewer. Utilities must be reconnected at the end of each working day. No overnight or weekend utility outages will be allowed.

Work shall include all excavation and disposal of material associated with the pipe installation in accordance with Section 202.03 of the Standard Specifications.

Utility disconnects and reconnects shall be performed per the following:

- (a) Sanitary Sewer Service- This work shall be completed in accordance with the applicable portions of the latest edition of the “Standard Specifications for Water and Sewer Main Construction in Illinois” and the requirements of the Owner of the Sanitary Sewer, and shall consist of the repair of sanitary sewer residential service lines when disturbed by other construction crossing the service line, complete in place including CCTV inspection, excavation; bracing; trench dewatering; removal of existing building service lines; repair of service lines with PVC SDR 26 ASTM 2241 pipe and non-shear couplings; bedding and covering of pipe; and trench backfilling with trench backfill materials.
- (b) Water Service- This work shall be completed in accordance with the applicable portions of the latest edition of the “Standard Specifications for Water and Sewer Main Construction in Illinois” and the requirements of the Owner of the Water Service, and shall consist of the repair of residential water service lines when disturbed by other construction crossing the service line. All materials shall be per the Pay Item #40 Water Service Connection Special Provision. If a service is lead it shall be replaced from the water main to b-box and paid for as WATER SERVICE CONNECTION, 1”.
- (c) Nicor Gas- Contractor shall coordinate with Nicor for the disconnection and reconnection of gas service lines that are disturbed by construction crossing the gas service line.

Materials. Pipe shall be Type 3 Concrete Sewer (fill heights greater than 10-feet and less than 15-feet) with a diameter of 72-inches per Section 1042 of the Standard Specifications.

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Pipe Elbows shall be furnished and installed per section 542.08 of the Standard Specifications and will be included in the cost of the 72-inch storm sewer. Contractor shall provide a shop drawing for the 72-inch Elbow to the Village and Engineer for review and approval.

Construction. Installation shall be according to the Standard Specifications and as directed by the Engineer.

Per Village standards, trench backfill shall be CA-6 and installed per Method 1 outlined in section 550.07 of the Standard Specifications.

Method of Measurement. Storm sewers will be measured for payment in place in feet and in accordance with section 550.09 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price per linear foot for STORM SEWERS, CLASS A, TYPE 3 72".

PAY ITEM #43 – WATER VALVES 6"

Description. This work shall consist of installing a new water gate valve complete in place in accordance with Section 561 of the Standard Specifications and with the Standard Specifications for Water and Sewer Construction in Illinois at locations directed by the Engineer. This work shall include but is not limited to; removal of the existing water valve; excavation; connections; testing; disinfection; removal and disposal of excavated materials; protection, repair, replacement of ductile iron water main sections adjacent to valve; trench dewatering, erosion and sedimentation control methods and devices to protect the environment.

The Contractor shall install a Hymax coupling to connect any required proposed water main to the existing water main. The Hymax coupling will not be paid for separately but is to be included in the cost of this item.

Basis of Payment. This work will be paid for at the contract unit price per each for WATER VALVE, 6".

PAY ITEM #44 – WATER SERVICE CONNECTION, 1"

Description. This work shall consist of installing new copper water service connections and lines, complete in place from the water main to the existing water service line behind the curb stop, as shown on the plans or as directed by the Engineer. This work shall be in accordance with Section 562 of the Standard Specifications and with the Standard Specifications for Water and Sewer Construction in Illinois.

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Materials. Water service line pipe shall be Type "K" seamless copper water tubing conforming to ASTM B88, of the diameter specified. The pipe shall be marked with the manufacturer's name or trademark and with markings indicating the type of the pipe.

Corporation stops shall be Mueller 300 Ball Corporation Valve Model B-25000 with AWWA taper (Mueller "CC") thread inlet and copper flare straight connection outlet.

Curb stops shall be Mueller 300 Ball Curb Valve Model B-25154 with copper flare nuts on both ends, quarter turn check, and Minneapolis pattern thread top.

Curb boxes shall be Mueller extension type curb box Model H-10302 with Minneapolis pattern base, 1-½ in. inside diameter, and 2-½ in. base tapping diameter.

Water service line couplings shall be Mueller H-15400 straight three-part unions with copper flare nuts on both ends, conforming to ANSI/AWWA C800, of the size needed.

All materials furnished as a part of this work shall comply with the latest requirements of the Federal Safe Drinking Water Act.

Construction. Where an existing water service is to be replaced, the Contractor shall expose and remove the existing corporation stop. The Contractor shall furnish a Smith-Blair circle repair sleeve of the appropriate diameter and of sufficient length and shall install it on the water main.

Contractor shall make a new connection to the water main using a tapping machine satisfactory to the Engineer. Contractor shall furnish and install a new corporation stop of the appropriate diameter on the water main. The Engineer may require that the Contractor furnish and install a tapping sleeve of the appropriate size if needed.

Contractor shall install a new water service line pipe from the corporation stop to the location of the existing curb box, or to such other location as shown in the plans or as directed by the Engineer. A single piece of copper water tubing of sufficient length to extend the full distance from the water main to the curb stop shall be utilized. Splicing of multiple sections of copper water tubing will not be permitted.

The new water service line and all components shall be installed a minimum of 5.5 ft. below finished grade. Where other utilities are encountered, the new water service line shall be located so that a minimum of 1 ft. of clearance exists in all directions between the new water service line and all other utilities. Where the new water service line crosses other utilities, if installation of the new water service line above the utility being crossed would result in any portion of the new water service line being less than 5.5 ft. below finished grade, the new water service line shall be installed below the utility being crossed.

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The new water service line and all components shall be placed on a bedding of crushed aggregate of CA-7 or CA-11 gradation having a minimum thickness of 4 in. The bedding shall be placed to a minimum of 12 in. above the water service line.

Contractor shall furnish and install a new curb stop of the appropriate diameter. Contractor shall connect the new curb stop to the existing water service line behind the curb stop. If the existing water service line behind the curb stop is of a different material or diameter than the new water service line being installed, a section of new copper water service line shall be installed behind the curb stop. The existing water service line shall then be cut by an approved method, and the end of the existing water service line shall be joined to the new water service line with a water service line coupling of the appropriate type and size.

Contractor shall furnish and install a new curb box. Contractor shall remove the existing curb box. Contractor shall install a piece of lathe or timber adjacent to the new curb box to identify its location until final restoration takes place. Contractor shall adjust the new curb box to finished grade immediately before the placement of sodding or seeding, or the completion of any other final restoration measures. Contractor shall then remove the lathe or timber.

In addition to all materials listed, Contractor shall also furnish and install all other necessary fittings, adapters, hardware, and materials necessary to complete the work as described.

Excavation, bedding, and backfilling of water service connections and lines will not be paid for separately, but shall be included in the cost of this work.

Method of Measurement. This work will be measured for payment as each water service connection and line installed, regardless of the length of the water service line, the depth of the water service line, conflicts with other utilities, or any other factors. No separate measurement will be made of pipe, fittings, couplings, stops, valves, or other components.

Basis of Payment. This work will be paid for at the contract unit price per each for WATER SERVICE CONNECTION, 1".

PAY ITEM #45-46 – PIPE DRAINS

Description. This work shall consist of installing pipe drains to install new or reconnect existing yard drains to the proposed storm sewer as directed by the Engineer. This work shall be in accordance with Section 601 of the Standard Specifications, except as modified herein:

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The Contractor shall install a non-shear mission coupling for all connections to the yard drains. The Contractor shall connect the pipe drain to the storm sewer as directed by the Engineer. The non-shear mission coupling and connection to the storm sewer will not be paid for separately but is to be included in the cost of this item.

The pipe drain is to have a diameter of 4" or 6" as specified on the plans or directed by the Engineer.

Basis of Payment. This work shall be measured and paid for at the contract unit price per linear foot as PIPE DRAIN 4" or PIPE DRAIN 6".

PAY ITEM #49, 51, 53 – PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, CLOSED LID

Description. This work shall consist of furnishing and installing Tee Section Manholes along the 72-inch storm sewer as specified in the construction drawings. This work shall be in accordance with Sections 602 and 550 of the Standard Specifications, except as modified herein.

Materials. Concrete tee base manholes shall be constructed in accordance with the Construction Details and with Section 542.08 of the Standard Specifications (Pipe Elbows, Tees, and Collars) and fabricated according to Article 1042.06 (Precast Concrete Pipe). The 4-foot diameter manhole sections shall be fabricated and installed in accordance with the requirements for an IDOT Standard 4-foot diameter Type A manhole. Contractor shall provide a shop drawing for Precast 4' Diameter "T" Manhole for 72" Pipe to OWNER and ENGINEER for review and approval.

Unless otherwise noted, an IDOT Type 1 Frame and Grate Closed Lid, IDOT Type 1 Frame and Grate Open Lid, or IDOT Type 11 Frame and Grate shall be installed per the construction plans.

Construction. Installation shall be according to the Standard Specifications and as directed by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per EACH for PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, CLOSED LID, PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, OPEN LID, or PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 11 FRAME AND GRATE.

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PAY ITEM #50, 52, 54 – PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, CLOSED LID

Description. This work shall consist of furnishing and installing Tee Section Manholes along the 54-inch storm sewer as specified in the construction drawings. This work shall be in accordance with Sections 602 and 550 of the Standard Specifications, except as modified herein.

Materials. Concrete tee base manholes shall be constructed in accordance with the Construction Details and with Section 542.08 of the Standard Specifications (Pipe Elbows, Tees, and Collars) and fabricated according to Article 1042.06 (Precast Concrete Pipe). The 4-foot diameter manhole sections shall be fabricated and installed in accordance with the requirements for an IDOT Standard 4-foot diameter Type A manhole. Contractor shall provide a shop drawing for Precast 4' Diameter "T" Manhole for 54" Pipe to OWNER and ENGINEER for review and approval.

Unless otherwise noted, an IDOT Type 1 Frame and Grate Closed Lid, IDOT Type 1 Frame and Grate Open Lid, or IDOT Type 11 Frame and Grate shall be installed per the construction plans.

Construction. Installation shall be according to the Standard Specifications and as directed by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per EACH for PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, CLOSED LID, PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, OPEN LID, or PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE 11 FRAME AND GRATE.

PAY ITEM #56 – VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

Description. This work shall consist of installing a proposed valve vault as directed by the Engineer. This work shall be in accordance with Section 602 of the Standard Specifications, except as modified herein:

The removal of an existing valve vault shall be included in the cost of this item.

Basis of Payment. This work will be paid for at the contract unit price per each for VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

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VILLAGE OF VILLA PARK**PAY ITEM #64 – SANITARY SERVICE PIPE REPLACEMENT**

Description. This work shall consist of the removal and replacement of sections of sanitary service sewers including, but not limited to; furnishing and installing pipe; fittings and couplings; sawcutting; excavation; sheeting, shoring, and dewatering; by-pass pumping; removal and disposal of excavated material; bedding and covering of pipe; making connections between different pipe materials; backfilling with granular trench backfill material; and all labor and equipment required to complete the work as specified herein.

This work shall be done in accordance with the details included as part of the contract plans. The work shall be done in accordance with applicable portions of Section 563 of the Standard Specifications.

If required, bypass pumping may be accomplished by supplying sufficient pumping equipment to bypass the sewage flow around the construction area to the downstream sanitary sewer. Before leaving the construction site each day, the Contractor shall connect the new sewer to the existing sewer to allow sewage flow by gravity.

Materials. The sanitary sewer services shall be replaced with PVC SDR 26 ASTM D-2241 pipe. The pipe diameter shall be 6". Fittings shall meet the requirements of ASTM D-3212 and ASTM F477. The pipe and fittings shall be furnished with elastomeric gasket joints conforming to ASTM D-3139. Connections to existing sewer services shall be made with No-Shear Flex Couplings with two stainless steel bands at a point where the coupling cannot shift. Bedding material shall conform to IDOT gradations CA-7 or CA-11.

Basis of Payment. This work shall be measured and paid for at the contract unit price per linear foot as SANITARY SERVICE PIPE REPLACEMENT.

PAY ITEM #65 – SANITARY SERVICE CONNECTION

Description. This work shall consist of removing and replacing the existing sanitary sewer service tee/wye connection fittings including, but not limited to; furnishing and installing tee/wye connection fittings; all other material and equipment; sawcutting; excavation; sheeting, shoring, and dewatering; by-pass pumping; removal and disposal of excavated material; backfilling with granular trench backfill material; and all labor and equipment required to complete the work as specified herein.

This work shall be done in accordance with the details included as part of the contract plans. The work shall be done in accordance with applicable portions of Section 563 of the Standard Specifications.

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Sanitary service connections will only be paid for at the locations where the Engineer determines the sanitary service is in direct conflict with the utility. If the sanitary service is in conflict with the proposed 72"/54" storm relief sewer then the sanitary service connection will not be paid for separately as it is included in the cost of the storm relief sewer.

The Contractor shall install a new PVC wye or tee fitting at the location of the connection on the mainline sanitary sewer. The services shall be replaced from the new wye at the mainline sanitary sewer to the existing service pipe, using PVC pipe of the same diameter as the existing connection.

Materials. The materials shall be in accordance with the applicable portions of Section 550 and 563 and the Sanitary Sewer System Specifications with the following exceptions:

The wye fittings to be installed on the main shall be fabricated to fit the mainline pipe that conforms to ASTM D-3034 and the branch service pipe that conforms to ASTM D-2241. All supplied pipes and fittings must be from the same manufacturer. All connections to existing pipes shall be made with "FERNCO" RC Series" or "MISSON Flex -Seal" adjustable non-shear repair couplings equipped with stainless steel bands.

Basis of Payment. This work will be paid for at the contract unit price for each SANITARY SEWER CONNECTION.

PAY ITEM #66 – SANITARY SEWER SERVICE COMBINATION CLEANOUT CHECK VALVE

Description. This work shall consist of furnishing and installing a combination cleanout check valve on a new or existing sanitary sewer service line at the locations shown in the plans or as directed by the Engineer. This work shall be in accordance with Section 563 of the Standard Specifications and with the Standard Specifications for Water and Sewer Construction in Illinois, except as modified herein.

This work may consist of either the standalone installation of a combination cleanout check valve on an existing sanitary sewer service line, or the installation of a combination cleanout check valve on a new sanitary sewer service line in conjunction with the installation of the new sanitary sewer service line.

Materials. Combination cleanout check valves shall be RectorSeal Clean Check Extendable Backwater Valve, 6" PVC, Model #31805, or approved equal.

Cleanout riser pipes shall be polyvinyl chloride (PVC) of the diameter and type required.

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Sanitary sewer service line pipe shall be polyvinyl chloride (PVC) conforming to ASTM D-2241 with a Standard Dimension Ratio (SDR) equal to 26 and gasketed joints conforming to ASTM D-3212. Sanitary sewer service line pipe shall be of the same diameter as the sanitary sewer service line on which the combination cleanout check valve is to be installed. All supplied pipe shall be from the same manufacturer.

Pipe couplings shall be Fernco Shielded RC Series Couplings, Mission Rubber Company Flex-Seal ARC Sewer Repair Couplings, or approved equal. Pipe couplings shall be non-shear and shall be equipped with stainless steel bands.

Construction. The combination cleanout check valve shall be located a minimum of 4 ft. behind the back of curb. The height of the combination cleanout check valve riser pipe shall be such that the cap of the combination cleanout check valve is level with finished grade.

The combination cleanout check valve shall be assembled and installed in accordance with the manufacturer's specifications. Contractor shall provide all materials, fittings, and adapters necessary to assemble the combination cleanout check valve and to connect it to the sanitary sewer service line.

Following installation, the combination cleanout check valve shall be tested by the Contractor to confirm that there is positive flow through the sanitary sewer service line and combination cleanout check valve towards the sanitary sewer main.

Excavation, bedding, and backfilling will not be paid for separately but shall be included in the cost of this work.

Method of Measurement. This work will be measured for payment as each combination cleanout check valve installed, regardless of the depth, whether the cleanout check valve is installed on an existing sanitary sewer service line or a new sanitary sewer service line, or any other factors. No separate measurement will be made of pipe, fittings, couplings, other components.

Basis of Payment. This work will be paid for at the contract unit price per each for SANITARY SEWER SERVICE COMBINATION CLEANOUT CHECK VALVE.

PAY ITEM #67 – COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

Description. This work shall consist of constructing combination concrete curb and gutter as shown on the plans or as directed by the Engineer. This work shall be in accordance with Section 606 of the Standard Specifications, except as modified herein.

Excavation will not be paid for separately but shall be included in the cost of this item.

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Combination concrete curb and gutter shall be constructed on a prepared base of mechanically compacted crushed aggregate of CA-6 gradation having a minimum compacted thickness of 4 in. The prepared base will not be paid for separately, but shall be included in the cost of COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12.

Wood forms shall be used. Forms constructed of steel or Masonite will not be permitted. Forms for radius sections of the combination concrete curb and gutter shall be constructed of 1 in. thick wood boards.

The height of the curb head may vary as shown on the plans or as directed by the Engineer. Variations in the height of the curb head will not be paid for separately but shall be included in the cost of this item.

Where combination concrete curb and gutter is constructed across driveways, alleys, sidewalk curb ramps, or other designated areas, the top of the curb shall be depressed according to the details shown on the plans or as directed by the Engineer. The transition from full height curb to depressed curb shall be made over a distance equal to at least four times the difference in height between the full height curb and the depressed curb.

Where combination concrete curb and gutter is constructed across sidewalk curb ramps, the depressed curb shall be in compliance with all applicable requirements of the Americans with Disabilities Act (ADA) and the Proposed Guidelines for Accessible Rights-of-Way (PROWAG).

Expansion joints shall be constructed at 60 ft. maximum centers. Expansion joints shall also be constructed at all construction joints, all points of curvature, all points of tangency, within 5 ft. on either side of all curb structure castings, and at additional locations as directed by the Engineer. Expansion joints shall consist of a 1 in. thick preformed bituminous expansion joint filler that extends the full cross section of the combination concrete curb and gutter. Expansion joint filler material that is larger than the cross section of the combination concrete curb and gutter shall be cut to the exact cross section of the combination concrete curb and gutter. Expansion joints shall have two 18 in. long, No. 6 non-deformed epoxy-coated steel dowel bars placed at mid-depth. The dowel bars shall have a greased plastic expansion cap placed on one end of each dowel bar a minimum of 1 in. from the end of the dowel bar.

Where proposed combination concrete curb and gutter is to be constructed abutting existing combination concrete curb and gutter, the dowel bars shall be drilled into the existing combination concrete curb and gutter. This work will not be paid for separately but shall be included in the cost of this item.

Contraction joints shall be constructed at 15 ft. maximum centers. Where the location of a contraction joint coincides with the location of an expansion joint, the contraction joint

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may be omitted at the discretion of the Engineer. Contraction joints shall be tooled and sawed. Sawing of contraction joints shall commence as soon as the concrete has hardened sufficiently to permit sawing without excessive raveling, but in no case shall sawing commence less than 4 hours or more than 24 hours after the concrete is placed. Sawing of contraction joints shall be to a depth equal to 1/3 the thickness of the gutter flag and to a width of not less than 1/8 in. Contraction joints shall be sealed according to Article 420.12, except that joints shall be sealed with polysulfide or polyurethane joint sealant.

If Contractor fails to construct joints in accordance with the requirements of this provision and the curb cracks, the Contractor shall remove and replace the affected section of combination concrete curb and gutter extending the full length between the two adjacent joints on either side of the crack. This work will not be paid for but shall be at the Contractor's expense.

Upon removal of the forms from the back of the combination concrete curb and gutter, excavated areas behind the combination concrete curb and gutter shall be immediately backfilled. Areas where pavement or sidewalks are to be constructed shall be backfilled with crushed aggregate of CA-6 or CA-7 gradation and mechanically compacted. Areas where topsoil and sodding are to be placed shall be backfilled with non-organic material acceptable to the Engineer. This work will not be paid for separately but will be included in the cost of this item.

Basis of Payment. This work will be paid for at the contract unit price per foot for COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, which price shall include all materials, labor and equipment necessary to complete the work as described herein.

PAY ITEM #71 – EXPLORATION TRENCH, SPECIAL

Description. This work shall consist of constructing a trench for the purpose of locating and inspecting an existing utility or utilities. This work shall be in accordance with Section 213 of the Standard Specifications, except as modified herein.

The exploration trench may be used to locate any existing utility or utilities, including, but not limited to, water mains, water services, sewer mains, sewer services, field tiles, gas lines, underground electric lines, underground telephone lines, underground cable TV lines, underground communication lines, underground fiber optic lines, and other utilities as applicable.

The exploration trench may be used to locate existing utilities regardless of whether the utilities are public or private; known or unknown; or marked or unmarked. The exploration trench may also be used to inspect the condition of existing utilities,

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determine the material type or dimensions of existing utilities, and to verify clearances between multiple utilities.

The exploration trench shall be constructed at the locations shown on the plans or as directed by the Engineer. The depth of the exploration trench shall vary as necessary, but shall be sufficient to locate the utility or utilities under investigation. The width of the trench shall be sufficient to allow proper investigation of the entire trench.

Upon completion of the exploration trench, the trench shall be backfilled. All exploration trenches where the inner edge of the trench is within 2 ft of an existing or proposed edge of pavement, driveway, curb, gutter, curb and gutter, stabilized shoulder, or sidewalk shall be backfilled with trench backfill in accordance with Section 208 of the Standard Specifications. Exploration trenches which do not require trench backfill shall be backfilled in accordance with Article 550.07 of the Standard Specifications. Backfilling of exploration trenches will not be measured for payment but shall be included in the cost of this work.

Method of Measurement. The exploration trench will be measured for payment in feet of actual trench constructed, regardless of the depth of the trench constructed. No additional measurement or compensation will be allowed for any delays or unforeseen circumstances arising from this work.

Basis of Payment. This work will be paid for at the contract unit price per foot for EXPLORATION TRENCH, SPECIAL.

PAY ITEM #72 – TRAFFIC CONTROL AND PROTECTION (SPECIAL)

Description. This work shall consist of the furnishing, installation, maintenance, relocation, and removal of work zone traffic control and protection. This work shall be in accordance with Section 701 of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual of Uniform Traffic Control Devices", the Highway Standards and details contained in the Plans and Special Provisions, and the Special Provisions contained herein, except as modified herein.

The bid price for TRAFFIC CONTROL AND PROTECTION (SPECIAL) shall not exceed 5 percent of the total bid price. If the bid price for TRAFFIC CONTROL AND PROTECTION (SPECIAL) exceeds 5 percent of the total bid price, the Village may reject the Bid.

Special Attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Recurring Local Roads and Streets Special Provisions, and Special Provisions contained herein, relating to traffic control.

HIGHWAY STANDARDS: 701301, 701501, 701801, 701901

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DETAILS:

Traffic Control and Protection for Side Roads, Intersections, and Driveways
(TC-10)

SPECIAL PROVISIONS (Included in these Special Provisions):

Maintenance of Roadways
Work Zone Traffic Control Surveillance (LRS 3)
Flaggers in Work Zones (LRS 4)
Sidewalk, Corner, or Crosswalk Closure (BDE)

Contractor shall contact the Village at least 72 hours in advance of beginning work. Construction operations shall be conducted in a manner such that streets shall be open to emergency traffic and accessible as required to local traffic. Advanced notice shall be provided to residents, police, fire, school districts, school bus companies, and trash haulers when access to any street will be temporarily closed or limited. Removal and replacement of curb and gutter and driveways shall be planned so as to cause a minimum of inconvenience to the abutting property owners. The work shall be accomplished such that the streets shall be left open to local traffic at the end of each workday.

Method of Measurement. This work will be measured for payment on a lump sum basis. No measurement will be made of any of the individual components of this work.

Basis of Payment. Traffic control and protection will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION (SPECIAL), which price shall include all of the above listed requirements, details, standards, and special provisions.

PAY ITEM #73 – PRE-CONSTRUCTION VIDEO RECORDING

Description. This work shall consist of performing color video and audio recording of the project area and other areas which may be impacted by construction.

Pre-construction video recordings will include coverage of the project area and all other areas which may be impacted by construction. Video recordings will also include construction easements when applicable. Video recordings will provide a visual record of all physical features within those areas, including, but not limited to, roadways, pavements, curbs, gutters, driveways, driveway aprons, sidewalks, carriage walks, parkways, trees, landscaping, shrubbery, plantings, landscaping walls, retaining walls, signs, sign posts, fences, utility poles, light poles, utilities, equipment, manholes, b-boxes, cleanouts, valves, curb structures, pipelines, buildings, mailboxes, and any other features located within the project area.

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Video recordings will begin with an audio narrative which provides the current date and time, the name of the Village and name of project, and a description of both the starting location and the location or locations to be recorded, including street name or names, street addresses, and any additional information which may be necessary to describe the location and subject of viewing.

Video recordings will maintain viewer orientation by means of an audio commentary in the audio track of each video recording which provides an explanation of what is being viewed; and by videotaping landmarks and readily identifiable objects, including property addresses, street signs, or other appropriate objects, at appropriate intervals.

Pre-construction video recordings will be recorded at a rate of travel not exceeding 50 feet per minute, and zooming and panning rates will be controlled to provide clarity of features during playback. The finished product will be provided with bright, clear pictures and accurate colors free from distortion, tearing, rolls, or other forms of picture imperfection. The audio will have proper volume and clarity. All recordings will be performed at times of satisfactory visibility, and when no more than 10 percent of ground is obscured by snow, leaves, or other cover.

If any element within or portion of the project area is not adequately documented by the pre-construction video recording so as to definitively demonstrate its condition prior to the start of construction, Contractor will assume responsibility for the repair, restoration or replacement of that element or portion of the project area. Such repair, restoration or replacement will be to equal or better condition than previously existing, and will further comply with all standards and provisions which govern the work in question.

Schedule. Preconstruction video recording will be performed according to the following schedule:

- (a) Pre-construction video recording will be completed after a Notice to Proceed has been issued.
- (b) Pre-construction video recording will be completed after the Joint Utility Locating Information for Excavators (JULIE) request for the project area has cleared.
- (c) Pre-construction video recording will be completed before any equipment, materials, or other items are delivered to the site.
- (d) Pre-construction video recording will be completed no more than 7 chargeable days prior to the start of construction.
- (e) Pre-construction video recording will be completed, the required pre-construction video recording deliverables will be submitted to the Engineer, and the Engineer will review and issue written approval of the

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pre-construction video recording before any activity other than utility locating will be permitted to start. Such activity will include, but not be limited to, delivery of materials and equipment, installation of traffic control and erosion control, and completion of construction layout and tree protection. No days will be charged against the contract time while the video is under review by the Engineer, including the day the deliverables are submitted and the day a response is provided. If the pre-construction video recording or any portions thereof are rejected, the contract time will commence to run until revisions are submitted.

- (f) Pre-construction video recording will be submitted to Engineer for review prior to commencement of any construction, and receive acceptance of recordings prior to commencement of construction. Any areas found not acceptable to the Owner will be re-recorded at no additional cost to the contract.

Deliverables. Video will be high-definition, with a minimum resolution of 1280 × 720 pixels per frame. Video will be filmed in a landscape aspect ratio. Video filmed in a portrait aspect ratio will be considered unacceptable and will be rejected.

Preconstruction video recordings will be provided as electronic files of .avi, .mp4, .m4v, .mkv, .wmv, or .mpg file format, or of such other file format as may be approved by Engineer. Preconstruction video recordings will be provided as independent digital container format files, which container files will include all video, audio, and other electronic information necessary to view the preconstruction video recording as intended.

Video DVD will be considered an unacceptable format for providing preconstruction video recordings, and will be rejected.

Pre-construction video recording electronic files will be provided on a portable electronic media device or devices of one of the following types: USB flash drive, SD flash memory card, CF flash memory card, data DVD, external hard drive, or such other portable electronic media device as may be approved by Engineer. Preconstruction video recording electronic files may also be provided via online file sharing, cloud storage, File Transfer Protocol (FTP), or other online or network file transfer methods if approved by Engineer.

Pre-construction video recording electronic files will be accompanied by corresponding logs which document the dates, times, and locations covered by each preconstruction video recording electronic file.

Contractor shall maintain copies of all items submitted to Engineer for Contractor's own use and record.

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Method of Measurement. This work will be measured for payment on a lump sum basis. No measurement will be made of the individual components of this effort.

Basis of Payment. Pre-construction video recording will be paid for at the contract lump sum price for PRE-CONSTRUCTION VIDEO RECORDING.

PAY ITEM #75 – WATER USAGE CREDIT

Description. Pay items are provided as a part of this contract for the purpose of documenting the quantity of water obtained from the Village by the Contractor.

If the Contractor elects to obtain water from the Village, the Contractor shall comply with the Special Provision USE OF FIRE HYDRANTS. The quantity of water obtained from the Village by the Contractor shall be deducted from the contract as WATER USAGE DEDUCTION, and shall be credited to the contract as WATER USAGE CREDIT.

The WATER USAGE CREDIT pay item for this contract has been established with a unit of measurement in thousands of gallons (TGAL), a quantity of one-hundred (100.00), and a contract unit price of eight dollars and eighty-five cents (\$8.85), for a total WATER USAGE CREDIT contract price of eight-hundred eighty-five dollars and no cents (\$885.00). Bidder, in submitting a bid, accepts the quantity, contract unit price, and total contract price of the WATER USAGE CREDIT pay item.

Method of Measurement. Water usage will be measured as the actual quantity of water obtained from the Village by the Contractor, which quantity shall be rounded up to the nearest 1,000 gallons.

Basis of Payment. The water usage credit will be paid for at the contract unit price per thousand gallons (TGAL) for WATER USAGE CREDIT. The quantity paid for as WATER USAGE CREDIT will be equal to the quantity deducted as WATER USAGE DEDUCTION.

PAY ITEM #76 – WATER USAGE DEDUCTION

Description. Pay items are provided as a part of this contract for the purpose of documenting the quantity of water obtained from the Village by the Contractor.

If the Contractor elects to obtain water from the Village, the Contractor shall comply with the Special Provision USE OF FIRE HYDRANTS. The quantity of water obtained from the Village by the Contractor shall be deducted from the contract as WATER USAGE DEDUCTION, and shall be credited to the contract as WATER USAGE CREDIT.

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The WATER USAGE DEDUCTION pay item for this contract has been established with a unit of measurement in thousands of gallons (TGAL), a quantity of one-hundred (100.00), and a contract unit price of a deduction of eight dollars and eighty-five cents (\$8.85), for a total WATER USAGE DEDUCTION contract price of a deduction of eight-hundred eighty-five dollars and no cents (\$885.00). Bidder, in submitting a bid, accepts the quantity, contract unit price, and total contract price of the WATER USAGE DEDUCTION pay item.

Method of Measurement. Water usage will be measured as the actual quantity of water obtained from the Village by the Contractor, which quantity shall be rounded up to the nearest 1,000 gallons.

Basis of Payment. The water usage deduction will be deducted at the contract unit price per thousand gallons (TGAL) for WATER USAGE DEDUCTION. The quantity deducted as WATER USAGE DEDUCTION will be equal to the quantity paid for as WATER USAGE CREDIT.

PAY ITEM #77 – CONTINGENCY ALLOWANCE

Description. A contingency allowance pay item is provided as a part of this contract for the purpose of facilitating the completion of unforeseen or additional work not included in the contract as awarded, and which is determined by the Engineer to be necessary and germane to the contract.

Use of the contingency allowance will be at the discretion of the Engineer. The Engineer may, at the Engineer's discretion, use the contingency allowance for any of the following reasons:

- (a) Facilitate a temporary payment allowance to the Contractor for work completed under existing contract pay items and for which completed quantities exceed contract quantities;
- (b) Facilitate a temporary payment allowance to the Contractor for work completed beyond the scope of existing contract pay items; or
- (c) Facilitate a temporary payment allowance to the Contractor for the purchase of equipment, materials or such other requisition as Engineer determines to be necessary for the completion of the Work.

Such use of the CONTINGENCY ALLOWANCE will be further subject to approval by the Village. The Village's decision with regard to use of the CONTINGENCY ALLOWANCE will be final.

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VILLAGE OF VILLA PARK

- A. Any payments made to Contractor under the CONTINGENCY ALLOWANCE will be considered temporary, and will only be retained by Contractor until such time that an authorization of contract changes can be approved and incorporated into the contract.
- B. Contractor, in accepting payments made under the CONTINGENCY ALLOWANCE, agrees to the terms of this and other applicable special provisions. Contractor agrees to relinquish any monies and any claim to monies paid under the CONTINGENCY ALLOWANCE upon approval of an authorization of contract changes and payment for any work for which payment was previously made under the CONTINGENCY ALLOWANCE. Contractor further agrees to return any monies previously paid thereunder.
- C. The CONTINGENCY ALLOWANCE pay item for this contract has been established with a unit of measurement in dollars, a quantity of 30,000.00, and a contract unit price of one dollar (\$1.00), for a total CONTINGENCY ALLOWANCE contract price of 30,000 dollars and no cents (\$30,000.00). Bidder, in submitting a bid, accepts the quantity, contract unit price, and total contract price of the CONTINGENCY ALLOWANCE.

Basis of Payment. This work will be paid for at the contract unit price per dollar for CONTINGENCY ALLOWANCE. The total bid amount for this item will be \$30,000.00.

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

APPENDIX A

REQUIREMENTS OF BIDDERS ORDINANCE

Ordinance No. 3733**AN ORDINANCE OF THE VILLAGE OF VILLA PARK, DUPAGE COUNTY,
ILLINOIS AMENDING THE REQUIREMENTS OF BIDDERS FOR
CONSTRUCTION PROJECTS**

WHEREAS, the Village of Villa Park (the "*Village*") is a duly organized and validly existing non home-rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and,

WHEREAS, section 8-9-1 of the Illinois Municipal Code (65 ILCS 5/8-9-2) allows the Village to require competitive bidding after advertising for bids in the manner prescribed by ordinance; and,

WHEREAS, the President and Board of Trustees desire to adopt purchasing procedures to provide for additional requirements of bidders for construction projects to have active apprenticeship and training programs approved and registered with the United States Department of Labor's Bureau of Apprenticeship and Training and to have bidders show three similar projects they constructed within the last five years.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Villa Park, DuPage County, Illinois, as follows:

Section 1. That Section 2-219 of the Villa Park Municipal Code, as amended, be and is hereby amended by placing the existing text as subsection A. and adding a new subsection B. to read as follows:

"B. A responsible bidder for the construction of public works projects shall meet and submit evidence of compliance with the following requirements:

- (1) All applicable laws prerequisite to doing business in the State of Illinois,
- (2) A federal employer tax identification number or social security number,
- (3) Provision of Section 2000(e) of Chapter 21, Title 42 of the United States Code and Federal Executive Order No. 11246 as amended by Executive Order No. 11375 (known as the Equal Opportunity Employer provisions),
- (4) Certificates of insurance indicating the following coverage's: general liability, worker's compensation, completed operations, automobile, hazardous occupation and product liability
- (5) Compliance with all provisions of the Illinois Prevailing Wage Act, including wages, medical and hospitalization insurance and retirement for those trades covered in the Act,
- (6) The bidder and all bidder's sub-contractors must participate in active apprenticeship and training programs approved and registered with the United States Department of Labor's Bureau of Apprenticeship and Training for each of the trades of work contemplated under the proposed contract,
- (7) All contractors and sub-contractors are required to file certified payrolls as specified in Illinois Public Act 94-0515, and follow all provisions of the Employee Classification Act (820 ILCS 185/1 et seq.), and

(8) All bidders must provide three (3) projects of a similar nature constructed in the immediate past five (5) years with the name, address and telephone number of the contact person having knowledge of the project along with three (3) references (name, address, and telephone number) with knowledge of the integrity and business practices of the bidder.”

Section 2. This Ordinance shall be in full force and effect upon its passage, approval, and publication as provided by law.

Passed this 11 day of February, 2013.

AYES: ALL

NAYS: Aiello Bulthuis

ABSENT: _____

Approved this 11 day of February, 2013.

Thomas C. ...

Village President

Attest:

Janet Kopycki

Village Clerk



Published in pamphlet form:

2-11, 2013

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

APPENDIX B

IRMA CONTRACTUAL INSURANCE GUIDELINES

IRMA CONTRACTUAL INSURANCE GUIDELINES

I. INSURANCE REQUIREMENTS

Contractor shall procure and maintain, for the duration of the contract, insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

MINIMUM SCOPE OF INSURANCE

Coverage shall be at least as broad as:

- A. Insurance Services Office Commercial General Liability occurrence form CG 0001 with the member named as additional insured, on a form at least as broad as the attached sample endorsement including ISO Additional Insured Endorsement CG 2010 (Exhibit A), CG 2026 (Exhibit B).

CG2037 - Completed Operations – (Exhibit C)

Required if box is checked ; and

- B. Owners and Contractors Protective Liability (OCP) policy with the member as insured

Required if box is checked ; and

- C. Insurance Service Office Business Auto Liability coverage form number CA 0001, Symbol 01 "Any Auto."

- D. Workers' Compensation as required by the Workers' Compensation Act of the State of Illinois and Employers' Liability insurance.

Coverage required for employee exposure to lead, if box is checked

- E. Builder Risk Property Coverage with member as loss payee

Required if box is checked .

- F. Environmental Impairment/Pollution Liability Coverage for pollution incidents as a result of a claim for bodily injury, property damage or remediation costs from an incident at, on or migrating beyond the contracted work site. Coverage shall be extended to Non-Owned Disposal sites resulting from a pollution incident at, on or mitigating beyond the site; and also provide coverage for incidents occurring during transportation of pollutants.

Required if box is checked .

MINIMUM LIMITS OF INSURANCE

Contractor shall maintain limits no less than the following, **if required under above scope**:

- A. Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, and property damage and \$1,000,000 per occurrence for personal injury. The general aggregate shall be twice the required occurrence limit.

Minimum General Aggregate shall be no less than \$2,000,000 or a project/contract specific aggregate of \$1,000,000.

- B. Owners and Contractors Protective Liability (OCP): \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
- C. Business Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage.
- D. Workers' Compensation and Employers' Liability: Workers' Compensation coverage with statutory limits and Employers' Liability limits of \$500,000 per accident.
- E. Builder's Risk: Shall insure against "All Risk" of physical damage, including water damage (flood and hydrostatic pressure not excluded), on a completed replacement cost basis.
- F. Environmental Impairment/Pollution Liability: \$1,000,000 combined single limit per occurrence for bodily injury, property damage and remediation costs.

DEDUCTIBLES AND SELF-INSURED RETENTIONS

Any deductibles or self-insured retentions must be declared to and approved by the member. At the option of the member, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the member, its officials, employees, agents and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration and defense expenses.

OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain, the following provisions:

A. General Liability and Automobile Liability Coverages

1. The member, its officials, agents, employees and volunteers are to be covered as additional insureds as respects: liability arising out of the Contractor's work, including activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, leased or used by the Contractor; or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the member, its officials, agents, employees and volunteers.
2. The Contractor's insurance coverage shall be primary as respects the member, its officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the member, its officials, agents, employees and volunteers shall be excess of Contractor's insurance and shall not contribute with it.
3. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the member, its officials, employees, agents and volunteers.
4. The Contractor's insurance shall contain a Severability of Interests/Cross Liability clause or language stating that Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought,

except with respect to the limits of the insurer's liability.

5. If any commercial general liability insurance is being provided under an excess or umbrella liability policy that does not "follow form," then the Contractor shall be required to name the member, its officials, employees, agents and volunteers as additional insureds.
6. All general liability coverages shall be provided on an occurrence policy form. Claims-made general liability policies will not be accepted.
7. The contractor and all subcontractors hereby agree to waive any limitation as to the amount of contribution recoverable against them by member. This specifically includes any limitation imposed by any state statute, regulation, or case law including any Workers' Compensation Act provision that applies a limitation to the amount recoverable in contribution such as Kotecki v. Cyclops Welding.

B. Workers' Compensation and Employers' Liability Coverage

The insurer shall agree to waive all rights of subrogation against the member, its officials, employees, agents and volunteers for losses arising from work performed by Contractor for the municipality.

1. NCCI Alternate Employer Endorsement (WC 000301) in place to insure that workers' compensation coverage applies under contractor's coverage rather than member's if the member is borrowing, leasing or in day to day control of contractors employee.

Required if box is checked .

C. Professional Liability (Required if box is checked)

1. Professional liability insurance with limits not less than \$1,000,00 each claim with respect to negligent acts, errors and omissions in connection with professional services to be provided under the contract, with a deductible not-to-exceed \$50,000 without prior written approval.
2. If the policy is written on a claims-made form, the retroactive date must be equal to or preceding the effective date of the contract. In the event the policy is cancelled, non-renewed or switched to an occurrence form, the Contractor shall be required to purchase supplemental extending reporting period coverage for a period of not less than three (3) years.
3. Provide a certified copy of actual policy for review.
4. Recommended Required Coverage (architect, engineer, surveyor, consultant): Professional liability insurance that provides indemnification and defense for injury or damage arising out of acts, errors, or omissions in providing the following professional services, but not limited to the following:
 - a. Preparing, approving or failure to prepare or approve maps, drawings, opinions, report, surveys, change orders, designs or specifications;
 - b. Providing direction, instruction, supervision, inspection, engineering services

or failing to provide them, if that is the primary cause of injury or damage.

D. All Coverages

Each insurance policy required shall have the member expressly endorsed onto the policy as a Cancellation Notice Recipient. Should any of the policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

ACCEPTABILITY OF INSURERS

Insurance is to be placed with insurers with a Best's rating of no less than A-, VII and licensed to do business in the State of Illinois.

VERIFICATION OF COVERAGE

Contractor shall furnish the member with certificates of insurance naming the member, its officials, employees, agents and volunteers as additional insureds (Exhibit D), and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the member before any work commences. The following additional insured endorsements may be utilized: ISO Additional Insured Endorsements CG 2010 (Exhibit A) or CG 2026 (Exhibit B), and CG 2037 (Exhibit C) – Completed Operations, where required. The member reserves the right to request full certified copies of the insurance policies and endorsements.

SUBCONTRACTORS

Contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

ASSUMPTION OF LIABILITY

The contractor assumes liability for all injury to or death of any person or persons including employees of the contractor, any sub-contractor, any supplier or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to this agreement.

II. INDEMNITY/HOLD HARMLESS PROVISION

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the member, its officials, employees and agents against all injuries, deaths, loss, damages, claims, patent claims, suits, liabilities, judgments, cost and expenses, which may in anywise accrue against the member, its officials, agents and employees, arising in whole or in part or in consequence of the performance of this work by the Contractor, its employees, or subcontractors, or which may in anywise result therefore, except that arising out of the sole legal cause of the member, its employees or agents, the Contractor shall, at its own expense, appear, defend and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against the member, its officials, employees and agents, in

any such action, the Contractor shall, at its own expense, satisfy and discharge the same.

Contractor expressly understands and agrees that any performance bond or insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the member, its officials, employees and agents as herein provided.

The Contractor further agrees that to the extent that money is due the Contractor by virtue of this contract as shall be considered necessary in the judgment of the member, may be retained by the member to protect itself against said loss until such claims, suits, or judgments shall have been settled or discharged and/or evidence to that effect shall have been furnished to the satisfaction of the member.

III. **SAFETY/LOSS PREVENTION**

Safety/Loss Prevention Program Requirements

- Successful bidder will provide written confirmation that a safety/loss prevention program was in place at least 90 days prior to submitting the bid proposal.
- Evidence of completed employee safety training can be provided.

Regulatory Requirements

- Successful bidder must comply with all applicable laws, regulations, and rules promulgated by any Federal, State, County, Municipal and/or other governmental unit or regulatory body now in effect or which may be in effect during the performance of the work. Included within the scope of the laws, regulations, and rules referred to in this paragraph but in no way to operate as a limitation, are Occupational Safety & Health Act (OSHA), Illinois Department of Labor (IDOL), Department of Transportation, all forms of traffic regulations, public utility, Intrastate and Interstate Commerce Commission regulations, Workers' Compensation Laws, Prevailing Wage Laws, the Social Security Act of the Federal Government and any of its titles, the Illinois Department of Human Rights, Human Rights Commission, or EEOC statutory provisions and rules and regulations.
- Evidence of specific regulatory compliance will be provided by bidder, if required by owner.

EXHIBIT A

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 10 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
<p style="font-size: 48px; opacity: 0.5; transform: rotate(-45deg);">SAMPLE</p>	
<p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury," "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

In the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

EXHIBIT B

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 26 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – DESIGNATED
PERSON OR ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)
<p>EXAMPLE</p>
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- A. In the performance of your ongoing operations; or
- B. In connection with your premises owned by or rented to you.

EXHIBIT C

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 37 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
<p style="font-size: 48px; opacity: 0.5; transform: rotate(-45deg);">SAMPLE</p>	
<p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

APPENDIX C

INDEX FOR SUPPLEMENTAL AND RECURRING SPECIAL PROVISIONS
CHECK SHEET FOR RECURRING SPECIAL PROVISIONS
CHECK SHEET FOR LOCAL ROADS & STREETS RECURRING SPECIAL PROVISIONS
BDE SPECIAL PROVISIONS
SPECIAL PROVISION FOR INSURANCE (LR 107-4)
SPECIAL PROVISION FOR EQUIPMENT RENTAL RATES (LR 109)

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2017

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

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

SUPPLEMENTAL SPECIFICATIONS

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420	Portland Cement Concrete Pavement	3
502	Excavation for Structures	5
503	Concrete Structures	7
504	Precast Concrete Structures	10
542	Pipe Culverts	11
586	Sand Backfill for Vaulted Abutments	12
670	Engineer's Field Office and Laboratory	14
704	Temporary Concrete Barrier	15
888	Pedestrian Push-Button	17
1003	Fine Aggregates	18
1004	Coarse Aggregates	19
1006	Metals	21
1020	Portland Cement Concrete	22
1103	Portland Cement Concrete Equipment	24



The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	26
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	29
3	<input type="checkbox"/> EEO	30
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	40
5	<input type="checkbox"/> Required Provisions - State Contracts	45
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	51
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos Hot-Mix Asphalt Surface Removal	52
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	53
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	54
10	<input checked="" type="checkbox"/> Construction Layout Stakes	57
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	60
12	<input type="checkbox"/> Subsealing of Concrete Pavements	62
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	66
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	68
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	69
16	<input type="checkbox"/> Polymer Concrete	70
17	<input type="checkbox"/> PVC Pipeliner	72
18	<input type="checkbox"/> Bicycle Racks	73
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	75
20	<input type="checkbox"/> Work Zone Public Information Signs	77
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	78
22	<input type="checkbox"/> English Substitution of Metric Bolts	79
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	80
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	81
25	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	89
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	105
27	<input type="checkbox"/> Reserved	107
28	<input type="checkbox"/> Preventive Maintenance - Bituminous Surface Treatment	108
29	<input type="checkbox"/> Preventive Maintenance - Cape Seal	114
30	<input type="checkbox"/> Preventive Maintenance - Micro-Surfacing	129
31	<input type="checkbox"/> Preventive Maintenance - Slurry Seal	140
32	<input type="checkbox"/> Temporary Raised Pavement Markers	149
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	150
34	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	153

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

<u>Check Sheet #</u>		<u>Page No.</u>
LRS 1	Reserved	158
LRS 2	<input type="checkbox"/> Furnished Excavation	159
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	160
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	161
LRS 5	<input checked="" type="checkbox"/> Contract Claims	162
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	163
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	169
LRS 8	Reserved	175
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	176
LRS 10	Reserved	177
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LRS 12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	180
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	182
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	183
LRS 15	<input checked="" type="checkbox"/> Partial Payments	186
LRS 16	<input checked="" type="checkbox"/> Protests on Local Lettings	187
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	188
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	189

BDE SPECIAL PROVISIONS
For the August 4 and September 22, 2017 Lettings

The following special provisions indicated by an "x" are applicable to this contract and will be included by the Project Development and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80099	1	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
80382	2	✓ Adjusting Frames and Grates	April 1, 2017	
80274	3	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192	4	Automated Flagger Assistance Device	Jan. 1, 2008	
* 80173	5	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80241	6	Bridge Demolition Debris	July 1, 2009	
50261	7	Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481	8	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491	9	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531	10	Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80366	11	Butt Joints	July 1, 2016	
* 80384	12	Compensable Delay Costs	June 2, 2017	
80198	13	✓ Completion Date (via calendar days)	April 1, 2008	
80199	14	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293	15	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311	16	Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80277	17	Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
80261	18	✓ Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80029	19	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	July 2, 2016
80378	20	Dowel Bar Inserter	Jan. 1, 2017	
* 80229	21	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80304	22	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Aug. 1, 2014
80246	23	✓ Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2016
80347	24	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	April 1, 2017
* 80383	25	Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	April 2, 2017
80376	26	Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
80367	27	Light Poles	July 1, 2016	
80368	28	Light Tower	July 1, 2016	
80336	29	Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
80369	30	Mast Arm Assembly and Pole	July 1, 2016	
80045	31	Material Transfer Device	June 15, 1999	Aug. 1, 2014
80165	32	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
80349	33	Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
80371	34	Pavement Marking Removal	July 1, 2016	
80377	35	Portable Changeable Message Signs	Nov. 1, 2016	April 1, 2017
80359	36	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Jan. 1, 2017
80338	37	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	April 1, 2014	April 1, 2016
* 80385	38	Portland Cement Concrete Sidewalk	Aug. 1, 2017	
80300	39	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
80328	40	✓ Progress Payments	Nov. 2, 2013	
34261	41	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	42	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80306	43	✓ Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	April 1, 2016

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80340	44	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
* 80127	45	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
80379	46	Steel Plate Beam Guardrail	Jan. 1, 2017	
80317	47	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	April 1, 2016
80298	48	Temporary Pavement Marking (NOTE: This special provision was previously named "Pavement Marking Tape Type IV".)	April 1, 2012	April 1, 2017
20338	49	Training Special Provisions	Oct. 15, 1975	
80318	50	Traversable Pipe Grate	Jan. 1, 2013	April 1, 2014
80381	51	Traffic Barrier Terminal, Type 1 Special	Jan. 1, 2017	
80380	52	Tubular Markers	Jan. 1, 2017	
80288	53	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	54	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80071	55	Working Days	Jan. 1, 2002	

The following special provisions have been deleted from use:

80289 Wet Reflective Thermoplastic Pavement Marking

The following special provisions are in the 2017 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80360	Coarse Aggregate Quality	Article 1004.01	July 1, 2015	
80363	Engineer's Field Office	Article 670.07	April 1, 2016	
80358	Equal Employment Opportunity	Recurring CS #1 and #5	April 1, 2015	
80364	Errata for the 2016 Standard Specifications	Supplemental	April 1, 2016	
80342	Mechanical Side Tie Bar Inserter	Articles 420.03, 420.05, and 1103.19	Aug. 1, 2014	April 1, 2016
80370	Mechanical Splicers	Article 1006.10	July 1, 2016	
80361	Overhead Sign Structures Certification of Metal Fabricator	Article 106.08	Nov. 1, 2015	April 1, 2016
80365	Pedestrian Push-Button	Article 888.03	April 1, 2016	
80353	Portland Cement Concrete Inlay or Overlay	Recurring CS #34	Jan. 1, 2015	April 1, 2016
80372	Preventive Maintenance – Bituminous Surface Treatment (A-1)	Recurring CS #28	Jan. 1, 2009	July 1, 2016
80373	Preventive Maintenance – Cape Seal	Recurring CS #29	Jan. 1, 2009	July 1, 2016
80374	Preventive Maintenance – Micro-Surfacing	Recurring CS #30	Jan. 1, 2009	July 1, 2016
80375	Preventive Maintenance – Slurry Seal	Recurring CS #31	Jan. 1, 2009	July 1, 2016
80362	Steel Slag in Trench Backfill	Articles 1003.01 and 1003.04	Jan. 1, 2016	
80355	Temporary Concrete Barrier	Articles 704.02, 704.04, 704.05, and 704.06	Jan. 1, 2015	July 1, 2015

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

COMPLETION DATE (VIA CALENDAR DAYS) (BDE)

Effective: April 1, 2008

The Contractor shall complete all work on or before the completion date of this contract which will be based upon **75** calendar days.

The completion date will be determined by adding the specified number of calendar days to the date the Contractor begins work, or to the date ten days after execution of the contract, whichever is the earlier, unless a delayed start is granted by the Engineer.

80198

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

Effective: January 1, 2010

Revised: April 1, 2016

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

"Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 4 in. (100 mm), from each pavement edge. (i.e. for a 5 in. (125 mm) lift the near edge of the density gauge or core barrel shall be within 5 in. (125 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

- a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.
- b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced 10 ft (3 m) apart longitudinally along the unconfined pavement edge and centered at the random density test location."

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

"Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density Minimum
IL-4.75	Ndesign = 50	93.0 – 97.4% ^{1/}	91.0%
IL-9.5	Ndesign = 90	92.0 – 96.0%	90.0%
IL-9.5,IL-9.5L	Ndesign < 90	92.5 – 97.4%	90.0%
IL-19.0	Ndesign = 90	93.0 – 96.0%	90.0%
IL-19.0, IL-19.0L	Ndesign < 90	93.0 ^{2/} – 97.4%	90.0%
SMA	Ndesign = 50 & 80	93.5 – 97.4%	91.0%"

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010

Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment's respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 ^{1/}	600-749	2002
	750 and up	2006
June 1, 2011 ^{2/}	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 ^{2/}	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<http://www.epa.gov/cleandiesel/verification/verif-list.htm>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or
- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit

device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected.

Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (BDE)

Effective: November 1, 2012

Revise: April 1, 2016

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES

1031.01 Description. Reclaimed asphalt pavement and reclaimed asphalt shingles shall be according to the following.

- (a) Reclaimed Asphalt Pavement (RAP). RAP is the material produced by cold milling or crushing an existing hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.
- (b) Reclaimed Asphalt Shingles (RAS). Reclaimed asphalt shingles (RAS). RAS is from the processing and grinding of preconsumer or post-consumer shingles. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable material, as defined in Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Bureau of Materials and Physical Research approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 93 percent passing the #4 (4.75 mm) sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.
 - (1) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.
 - (2) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1031.02 Stockpiles. RAP and RAS stockpiles shall be according to the following.

- (a) RAP Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface").

Prior to milling, the Contractor shall request the District provide documentation on the quality of the RAP to clarify the appropriate stockpile.

- (1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP shall pass the sieve size specified below for the mix into which the FRAP will be incorporated.

Mixture FRAP will be used in:	Sieve Size that 100 % of FRAP Shall Pass
IL-19.0	1 1/2 in. (40 mm)
IL-9.5	3/4 in. (20 mm)
IL-4.75	1/2 in. (13 mm)

- (2) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures and represent: 1) the same aggregate quality, but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogeneous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.
- (3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag.
- (4) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

- (b) RAS Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise specified by the Engineer, mechanically blending manufactured sand (FM 20 or FM 22) up to an equal weight of RAS with the processed RAS will be permitted to improve workability. The sand shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type, and lot number shall be maintained by project contract number and kept for a minimum of three years.

1031.03 Testing. RAP/FRAP and RAS testing shall be according to the following.

(a) **RAP/FRAP Testing.** When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

(1) **During Stockpiling.** For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

(2) **After Stockpiling.** For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Each sample shall be split to obtain two equal samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

(b) **RAS Testing.** RAS or RAS blended with manufactured sand shall be sampled and tested during stockpiling according to Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Source".

Samples shall be collected during stockpiling at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 250 tons (225 metric tons) thereafter. A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton (900 metric ton), five-sample/test stockpile has been established it shall be sealed. Additional incoming RAS or RAS blended with manufactured sand shall be stockpiled in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

Before testing, each sample shall be split to obtain two test samples. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall perform a washed extraction and test for unacceptable materials on the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

If the sampling and testing was performed at the shingle processing facility in accordance with the QC Plan, the Contractor shall obtain and make available all of the test results from start of the initial stockpile.

1031.04 Evaluation of Tests. Evaluation of test results shall be according to the following.

- (a) Evaluation of RAP/FRAP Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation, and when applicable G_{mm} . Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/Homogeneous/ Conglomerate
1 in. (25 mm)	
1/2 in. (12.5 mm)	± 8 %
No. 4 (4.75 mm)	± 6 %
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	
No. 30 (600 μm)	± 5 %
No. 200 (75 μm)	± 2.0 %
Asphalt Binder	± 0.4 % ^{1/}
G_{mm}	± 0.03

1/ The tolerance for FRAP shall be ± 0.3 %.

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, the RAP/FRAP shall not be used in HMA unless the RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the ITP, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

- (b) Evaluation of RAS and RAS Blended with Manufactured Sand Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 µm)	± 4 %
No. 200 (75 µm)	± 2.0 %
Asphalt Binder Content	± 1.5 %

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, or if the percent unacceptable material exceeds 0.5 percent by weight of material retained on the # 4 (4.75 mm) sieve, the RAS or RAS blend shall not be used in Department projects. All test data and acceptance ranges shall be sent to the District for evaluation.

1031.05 Quality Designation of Aggregate in RAP/FRAP.

(a) RAP. The aggregate quality of the RAP for homogeneous and conglomerate stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(1) RAP from Class I, Superpave/HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from Class I binder, Superpave/HMA (High ESAL) binder, or (Low ESAL) IL-19.0L binder mixtures are designated as containing Class C quality coarse aggregate.

(b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Coarse and fine FRAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant laboratory prequalified by the Department for the specified testing. The consultant laboratory shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the Bureau of Materials and Physical Research Aggregate Lab for MicroDeval Testing, according to ITP 327. A maximum loss of 15.0 percent will be applied for all HMA applications.

1031.06 Use of RAP/FRAP and/or RAS in HMA. The use of RAP/FRAP and/or RAS shall be the Contractor's option when constructing HMA in all contracts.

(a) RAP/FRAP. The use of RAP/FRAP in HMA shall be as follows.

- (1) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.
 - (2) Steel Slag Stockpiles. Homogeneous RAP stockpiles containing steel slag will be approved for use in all HMA (High ESAL and Low ESAL) Surface and Binder Mixture applications.
 - (3) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. RAP/FRAP from Conglomerate stockpiles shall be considered equivalent to limestone for frictional considerations. Known frictional contributions from plus #4 (4.75 mm) homogeneous RAP and FRAP stockpiles will be accounted for in meeting frictional requirements in the specified mixture.
 - (4) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP, homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.
 - (5) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, or conglomerate.
 - (6) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in Article 1031.06(c)(1) below for a given Ndesign.
- (b) RAS. RAS meeting Type 1 or Type 2 requirements will be permitted in all HMA applications as specified herein.
- (c) RAP/FRAP and/or RAS Usage Limits. Type 1 or Type 2 RAS may be used alone or in conjunction with RAP or FRAP in HMA mixtures up to a maximum of 5.0 percent by weight of the total mix.
- (1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the Max RAP/RAS ABR table listed below for the given Ndesign.

RAP/RAS Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures <i>1, 2'</i>	RAP/RAS Maximum ABR %		
	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10

50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28). If warm mix asphalt (WMA) technology is utilized and production temperatures do not exceed 275 °F (135 °C), the high and low virgin asphalt binder grades shall each be reduced by one grade when RAP/RAS ABR exceeds 25 percent (i.e. 26 percent RAP/RAS ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

(2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the FRAP/RAS table listed below for the given Ndesign.

FRAP/RAS Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures <i>1/, 2/</i>	FRAP/RAS Maximum ABR %			
	Ndesign	Binder/Leveling Binder	Surface	Polymer Modified <i>3/, 4/</i>
	30	50	40	10
	50	40	35	10
	70	40	30	10
	90	40	30	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28). If warm mix asphalt (WMA) technology is utilized and production temperatures do not exceed 275 °F (135 °C), the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP/RAS ABR exceeds 25 percent (i.e. 26 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

3/ For SMA the FRAP/RAS ABR shall not exceed 20 percent.

4/ For IL-4.75 mix the FRAP/RAS ABR shall not exceed 30 percent.

1031.07 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP and/or RAS material meeting the detailed requirements specified herein.

- (a) RAP/FRAP and/or RAS. RAP/FRAP and/or RAS mix designs shall be submitted for verification. If additional RAP/FRAP and/or RAS stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP/FRAP and/or RAS stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP and/or RAS stockpiles may be used in the original mix design at the percent previously verified.
- (b) RAS. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.300 shall be used for mix design purposes.

1031.08 HMA Production. HMA production utilizing RAP/FRAP and/or RAS shall be as follows.

- (a) RAP/FRAP. The coarse aggregate in all RAP/FRAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If the RAP/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

- (b) RAS. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.
- (c) RAP/FRAP and/or RAS. HMA plants utilizing RAP/FRAP and/or RAS shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

- a. Date, month, year, and time to the nearest minute for each print.

- b. HMA mix number assigned by the Department.
- c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- d. Accumulated dry weight of RAP/FRAP/RAS in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- g. Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.
- h. Aggregate and RAP/FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP are printed in wet condition.)

(2) Batch Plants.

- a. Date, month, year, and time to the nearest minute for each print.
- b. HMA mix number assigned by the Department.
- c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- d. Mineral filler weight to the nearest pound (kilogram).
- e. RAP/FRAP/RAS weight to the nearest pound (kilogram).
- f. Virgin asphalt binder weight to the nearest pound (kilogram).
- g. Residual asphalt binder in the RAP/FRAP/RAS material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.09 RAP in Aggregate Surface Course and Aggregate Wedge Shoulders, Type B.

The use of RAP in aggregate surface course (temporary access entrances only) and aggregate wedge shoulders, Type B shall be as follows.

- (a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply. RAP used shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".
- (b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

80306

PROGRESS PAYMENTS (BDE)

Effective: November 2, 2013

Revise Article 109.07(a) of the Standard Specifications to read:

- “(a) Progress Payments. At least once each month, the Engineer will make a written estimate of the quantity of work performed in accordance with the contract, and the value thereof at the contract unit prices. The amount of the estimate approved as due for payment will be vouchered by the Department and presented to the State Comptroller for payment. No amount less than \$1000.00 will be approved for payment other than the final payment.

Progress payments may be reduced by liens filed pursuant to Section 23(c) of the Mechanics' Lien Act, 770 ILCS 60/23(c).

If a Contractor or subcontractor has defaulted on a loan issued under the Department's Disadvantaged Business Revolving Loan Program (20 ILCS 2705/2705-610), progress payments may be reduced pursuant to the terms of that loan agreement. In such cases, the amount of the estimate related to the work performed by the Contractor or subcontractor, in default of the loan agreement, will be offset, in whole or in part, and vouchered by the Department to the Working Capital Revolving Fund or designated escrow account. Payment for the work shall be considered as issued and received by the Contractor or subcontractor on the date of the offset voucher. Further, the amount of the offset voucher shall be a credit against the Department's obligation to pay the Contractor, the Contractor's obligation to pay the subcontractor, and the Contractor's or subcontractor's total loan indebtedness to the Department. The offset shall continue until such time as the entire loan indebtedness is satisfied. The Department will notify the Contractor and Fund Control Agent in a timely manner of such offset. The Contractor or subcontractor shall not be entitled to additional payment in consideration of the offset.

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

ADJUSTING FRAMES AND GRATES (BDE)

Effective: April 1, 2017

Add the following to Article 602.02 of the Standard Specifications:

- “(s) High Density Expanded Polystyrene Adjusting Rings
with Polyurea Coating (Note 4) 1043.04
- (t) Expanded Polypropylene (EPP) Adjusting Rings (Note 5) 1043.05

Note 4. High density expanded polystyrene adjusting rings with polyurea coating shall meet the design load requirements of AASHTO HS20/25. The rings may be used to adjust the frames and grates of drainage and utility structures up to a maximum of 6 in. (150 mm). They shall be installed and sealed underneath the frames according to the manufacturer’s specifications.

Note 5. Riser rings fabricated from EPP may be used to adjust the frames and grates of drainage and utility structures up to a maximum of 6 in. (150 mm). An adhesive meeting ASTM C 920, Type S, Grade N5, Class 25 shall be used with EPP adjustment rings. The top ring of the adjustment stack shall be a finish ring with grooves on the lower surface and flat upper surface. The joints between all manhole adjustment rings and the frame and cover shall be sealed using the approved adhesive. In lieu of the use of an adhesive, an internal or external mechanical frame-chimney seal may be used for watertight installation. EPP adjustment rings shall not be used with heat shrinkable infiltration barriers.”

Add the following to Section 1043 of the Standard Specifications:

“1043.04 High Density Expanded Polystyrene Adjusting Rings with Polyurea Coating. High density expanded polystyrene adjustment rings with polyurea coating shall be designed and tested to meet or exceed an HS25 wheel load according to the AASHTO Standard Specifications for Highway Bridges (AASHTO M306 HS-25). The raw material suppliers shall provide certifications of quality or testing using the following ASTM standards, and upon request, certify that only virgin material was used in the manufacturing of the expanded polystyrene rings.

Physical Property	Test Standard	Value	
		3.0 lb/cu ft	4.5 lb/cu ft
Compression Resistance at 10% deformation at 5% deformation at 2% deformation	ASTM D 1621	50 - 70	70 - 90
		45 - 60	60 - 80
		15 - 20	20 - 40
Flexural Strength	ASTM D 790	90 - 120	130 - 200
Water Absorption	ASTM D 570	2.0%	1.7%
Coefficient of Linear Expansion	ASTM D 696	2.70E-06 in./in./°F	2.80E-06 in./in./°F
Sheer Strength	ASTM D 732	55	80

Tensile Strength	ASTM D 1623	70 - 90	130 - 140
Water Vapor Transmission	ASTM C 355	0.82 – 0.86 perm – in.	

High density expanded polystyrene adjustment rings with polyurea coating shall have no void areas, cracks, or tears. The actual diameter or length shall not vary more than 0.125 in. (3 mm) from the specified diameter or length. Variations in height are limited to ± 0.063 in. (± 1.6 mm). Variations shall not exceed 0.25 in. (6 mm) from flat (dish, bow, or convoluting edge) or 0.125 in. (3 mm) for bulges or dips in the surface.

1043.05 Expanded Polypropylene (EPP) Adjusting Rings. The EPP adjusting rings shall be manufactured using a high compression molding process to produce a minimum finished density of 7.5 lb/cu ft (120 g/l). The EPP rings shall be made of materials meeting ASTM D 3575 and ASTM D 4819-13. The grade adjustments shall be designed and tested according to the AASHTO Standard Specifications for Highway Bridges (AASHTO M 306 HS-25).

Grade rings shall contain upper and lower keyways (tongue and groove) for proper vertical alignment and sealing. The top ring, for use directly beneath the cast iron frame, shall have keyways (grooves) on the lower surface with a flat upper surface.

Adhesive or sealant used for watertight installation of the manhole grade adjustment rings shall meet ASTM C 920, Type S, Grade NS, Class 25, Uses NT, T, M, G, A, and O.

EPP adjustment rings shall have no void areas, cracks, or tears. The actual diameter or length shall not vary more than 0.125 in. (3 mm) from the specified diameter or length. Variations in height are limited to ± 0.063 in. (± 1.6 mm). Variations shall not exceed 0.25 in. (6 mm) from flat (dish, bow, or convoluting edge) or 0.125 in. (3 mm) for bulges or dips in the surface."

80382

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:

Village of Villa Park

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 and Streets

SPECIAL PROVISION
FOR
EQUIPMENT RENTAL RATES

Effective: January 1, 2012

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.

Replace Article 109.04(b)(4) with the following:

- "(4) Equipment. For any machinery or special equipment (other than small tools) the use of which has been authorized by the Engineer, the Contractor will be paid according to the latest revision of "SCHEDULE OF AVERAGE ANNUAL EQUIPMENT OWNERSHIP EXPENSE" and latest index factor as issued by the Illinois Department of Transportation. The equipment should be of a type and size reasonably required to complete the extra work."

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

APPENDIX D

DUPAGE COUNTY PREVAILING WAGE RATES

This schedule contains the prevailing wage rates required to be paid for work performed on or after Monday, June 5, 2017 on public works projects in this County. Pursuant to 820 ILCS 130/4, public bodies in this County that have active public works projects are responsible for notifying all contractors and subcontractors working on those public works projects of the change (if any) to rates that were previously in effect. The failure of a public body to provide such notice does not relieve contractors or subcontractors of their obligations under the Prevailing Wage Act, including the duty to pay the relevant prevailing wage in effect at the time work subject to the Act is performed.

DUPAGE COUNTY
PREVAILING WAGE
RATES EFFECTIVE JUNE
5, 2017

TradeTitle	Region	Type	Class	Base Wage	Foreman Wage	M-F OT	OSA	OSH	H/W	Pension	Vacation	Training
ASBESTOS ABT-GEN	All	All		40.40	40.95	1.5	1.5	2.0	14.23	11.57	0.00	0.50
ASBESTOS ABT-MEC	All	BLD		37.46	39.96	1.5	1.5	2.0	11.62	11.06	0.00	0.72
BOILERMAKER	All	BLD		47.07	51.30	2.0	2.0	2.0	6.97	18.13	0.00	0.40
BRICK MASON	All	BLD		44.88	49.37	1.5	1.5	2.0	10.25	15.30	0.00	0.85
CARPENTER	All	All		45.35	47.35	1.5	1.5	2.0	11.79	17.60	0.00	0.63
CEMENT MASON	All	All		44.25	46.25	2.0	1.5	2.0	13.65	15.51	0.00	0.65
CERAMIC TILE FNSHER COMMUNICATION TECH	All	BLD		37.81	37.81	1.5	1.5	2.0	10.55	10.12	0.00	0.65
ELECTRIC PWR EQMT OP	All	All		37.89	51.48	1.5	1.5	2.0	5.00	11.75	0.00	0.38
ELECTRIC PWR EQMT OP	All	HWY		40.59	55.15	1.5	1.5	2.0	5.25	12.59	0.00	0.71
ELECTRIC PWR GRNDMAN	All	All		29.30	51.48	1.5	1.5	2.0	5.00	9.09	0.00	0.29
ELECTRIC PWR GRNDMAN	All	HWY		32.50	55.15	1.5	1.5	2.0	5.25	10.09	0.00	0.58
ELECTRIC PWR LINEMAN	All	All		45.36	51.48	1.5	1.5	2.0	5.00	14.06	0.00	0.45
ELECTRIC PWR LINEMAN	All	HWY		48.59	55.15	1.5	1.5	2.0	5.25	15.07	0.00	0.85

ELECTRIC PWR TRK DRV	All	All		30.34	51.48	1.5	1.5	2.0	5.00	9.40	0.00	0.30
ELECTRIC PWR TRK DRV	All	HWY		31.40	53.29	1.5	1.5	2.0	5.00	9.73	0.00	0.31
ELECTRICIAN ELEVATOR	All	BLD		38.74	42.74	1.5	1.5	2.0	12.10	20.81	4.43	0.68
CONSTRUCTOR	All	BLD		51.94	58.43	2.0	2.0	2.0	14.43	14.96	4.16	0.90
FENCE ERECTOR	NE	All		38.34	40.34	1.5	1.5	2.0	13.15	13.10	0.00	0.40
FENCE ERECTOR	W	ALL		45.06	48.66	2.0	2.0	2.0	10.52	20.76	0.00	0.70
GLAZIER	All	BLD		41.70	43.20	1.5	2.0	2.0	13.94	18.99	0.00	0.94
HT/FROST INSULATOR	All	BLD		48.45	50.95	1.5	1.5	2.0	11.47	12.16	0.00	0.72
IRON WORKER	E	All		46.20	48.20	2.0	2.0	2.0	13.65	21.52	0.00	0.35
IRON WORKER	W	All		45.56	49.20	2.0	2.0	2.0	11.02	21.51	0.00	0.70
LABORER	All	All		40.20	40.95	1.5	1.5	2.0	14.23	11.57	0.00	0.50
LATHER	All	All		45.35	47.35	1.5	1.5	2.0	11.79	17.60	0.00	0.63
MACHINIST	All	BLD		45.35	47.85	1.5	1.5	2.0	7.26	8.95	1.85	0.00
MARBLE FINISHERS	All	All		33.45	33.45	1.5	1.5	2.0	10.25	14.44	0.00	0.46
MARBLE MASON	All	BLD		44.13	48.54	1.5	1.5	2.0	10.25	14.97	0.00	0.59
MATERIAL TESTER I	All	All		30.20	30.20	1.5	1.5	2.0	14.23	11.57	0.00	0.50
MATERIALS TESTER II	All	All		35.20	35.20	1.5	1.5	2.0	14.23	11.57	0.00	0.50
MILLWRIGHT	All	All		45.35	47.35	1.5	1.5	2.0	11.79	17.60	0.00	0.63
OPERATING ENGINEER	All	BLD	1	49.10	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	2	47.80	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	3	45.25	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	4	43.50	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	5	52.85	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	6	50.10	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	7	52.10	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	FLT		37.00	37.00	1.5	1.5	2.0	17.65	12.65	1.90	1.35
OPERATING ENGINEER	All	HWY	1	47.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	2	46.75	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30

OPERATING ENGINEER	All	HWY	3	44.70	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	4	43.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	5	42.10	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	6	50.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	7	48.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
ORNAMNTL IRON WORKER	E	All		45.00	47.50	2.0	2.0	2.0	13.55	17.94	0.00	0.65
ORNAMNTL IRON WORKER	W	All		45.06	48.66	2.0	2.0	2.0	10.52	20.76	0.00	0.70
PAINTER	All	All		42.93	44.93	1.5	1.5	1.5	10.30	8.20	0.00	1.35
PAINTER SIGNS	All	BLD		33.92	38.09	1.5	1.5	1.5	2.60	2.71	0.00	0.00
PILEDRIIVER	All	All		45.35	47.35	1.5	1.5	2.0	11.79	17.60	0.00	0.63
PIPEFITTER	All	BLD		47.50	50.50	1.5	1.5	2.0	9.55	17.85	0.00	2.07
PLASTERER	All	BLD		44.63	47.31	1.5	1.5	2.0	10.25	15.03	0.00	0.85
PLUMBER	All	BLD		48.25	50.25	1.5	1.5	2.0	14.09	12.65	0.00	1.18
ROOFER	All	BLD		41.70	44.70	1.5	1.5	2.0	8.28	11.59	0.00	0.53
SHEETMETAL WORKER	All	BLD		45.77	47.77	1.5	1.5	2.0	10.65	14.10	0.00	0.82
SPRINKLER FITTER	All	BLD		47.20	49.20	1.5	1.5	2.0	12.25	11.55	0.00	0.55
STEEL ERECTOR	E	All		42.07	44.07	2.0	2.0	2.0	13.45	19.59	0.00	0.35
STEEL ERECTOR	W	All		45.06	48.66	2.0	2.0	2.0	10.52	20.76	0.00	0.70
STONE MASON	All	BLD		44.88	49.37	1.5	1.5	2.0	10.25	15.30	0.00	0.85
TERRAZZO FINISHER	All	BLD		39.54	39.54	1.5	1.5	2.0	10.55	11.79	0.00	0.67
TERRAZZO MASON	All	BLD		43.38	43.38	1.5	1.5	2.0	10.55	13.13	0.00	0.79
TILE MASON	All	BLD		43.84	47.84	1.5	1.5	2.0	10.55	11.40	0.00	0.99
TRAFFIC SAFETY WRKR	All	HWY		33.50	35.10	1.5	1.5	2.0	8.10	7.62	0.00	0.25
TRUCK DRIVER	All	All	1	36.30	36.85	1.5	1.5	2.0	8.10	9.76	0.00	0.15
TRUCK DRIVER	All	All	2	36.45	36.85	1.5	1.5	2.0	8.10	9.76	0.00	0.15
TRUCK DRIVER	All	All	3	36.65	36.85	1.5	1.5	2.0	8.10	9.76	0.00	0.15
TRUCK DRIVER	All	All	4	36.85	36.85	1.5	1.5	2.0	8.10	9.76	0.00	0.15
TUCKPOINTER	All	BLD		43.62	44.62	1.5	1.5	2.0	10.25	14.11	0.00	0.48

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

APPENDIX E

IDOT HIGHWAY STANDARDS

ABV	ABOVE	CU YD	CUBIC YARD	HD	HEAD	PED	PEDESTAL	STD	STANDARD
A/C	ACCESS CONTROL	CULV	CULVERT	HDW	HEADWALL	PNT	POINT	SBI	STATE BOND ISSUE
AC	ACRE	C&G	CURB & GUTTER	HDTUY	HEAVY DUTY	PC	POINT OF CURVATURE	SR	STATE ROUTE
ADJ	ADJUST	D	DEGREE OF CURVE	hd	HECTARE	PJ	POINT OF INTERSECTION OF HORIZONTAL CURVE	STA	STATION
AS	AERIAL SURVEYS	DC	DEPRESSED CURVE	HMA	HOT MIX ASPHALT	PRC	POINT OF REVERSE CURVE	SPBGR	STEEL PLATE BEAM GUARDRAIL
AGG	AGGREGATE	DET	DETECTOR	HWY	HIGHWAY	PT	POINT OF TANGENCY	SS	STORM SEWER
AH	AHEAD	DIA	DIAMETER	HORIZ	HORIZONTAL	POT	POINT ON TANGENT	STY	STORY
APT	APARTMENT	DIST	DISTRICT	HSE	HOUSE	POLYETH	POLYETHYLENE	ST	STREET
ASPH	ASPHALT	DOM	DOMESTIC	IL	ILLINOIS	PCC	PORTLAND CEMENT CONCRETE	STR	STRUCTURE
AUX	AUXILIARY	DBL	DOUBLE	IMP	IMPROVEMENT	PP	POWER POLE OR PRINCIPAL POINT	e	SUPERELEVATION RATE
AGS	AUXILIARY GAS VALVE (SERVICE)	DSEI	DOWNSTREAM ELEVATION	IN DIA	INCH DIAMETER	PRM	PRIME	S.E. RUN.	SUPERELEVATION RUNOFF LENGTH
AVE	AVENUE	DSFL	DOWNSTREAM FLOWLINE	INL	INLET	PE	PRIVATE ENTRANCE	SURF	SURFACE
AX	AXIS OF ROTATION	DR	DRAINAGE OR DRIVE	INST	INSTALLATION	PROF	PROFILE	SMK	SURVEY MARKER
BK	BACK	DJ	DRAINAGE INLET OR DROP INLET	IDS	INTERSECTION DESIGN STUDY	PGL	PROFILE GRADELINE	T	TANGENT DISTANCE
B-B	BACK TO BACK	DRV	DRIVEWAY	INV	INVERT	PROJ	PROJECT	T.R.	TANGENT RUNOUT DISTANCE
BKPL	BACKPLATE	DCT	DUCT	IP	IRON PIPE	P.C.	PROPERTY CORNER	TEL	TELEPHONE
B	BARN	EA	EACH	IR	IRON ROD	PL	PROPERTY LINE	TB	TELEPHONE BOX
BARR	BARRICADE	EB	EASTBOUND	JT	JOINT	PR	PROPOSED	TP	TELEPHONE POLE
BGN	BEGIN	EOP	EDGE OF PAVEMENT	Kg	KILOGRAM	RR	RAILROAD	TEMP	TEMPORARY
BM	BENCHMARK	E-CL	EDGE TO CENTERLINE	Km	KILOMETER	R	RADIUS	TBM	TEMPORARY BENCH MARK
BIND	BINDER	E-E	EDGE TO EDGE	LS	LANDSCAPING	RR	RAILROAD	TD	TILE DRAIN
BIT	BITUMINOUS	EL	ELEVATION	LN	LANE	RRS	RAILROAD SPIKE	TBE	TO BE EXTENDED
BTM	BOTTOM	ENTR	ENTRANCE	LT	LEFT	RPS	REFERENCE POINT STAKE	TBR	TO BE REMOVED
BLVD	BOULEVARD	EXC	EXCAVATION	LP	LIGHT POLE	REF	REFLECTIVE	TBS	TO BE SAVED
BRK	BRICK	EX	EXISTING	LGT	LIGHTING	RCCP	REINFORCED CONCRETE CULVERT PIPE	TWP	TOWNSHIP
BBOX	BUFFALO BOX	EXPWAY	EXPRESSWAY	LF	LINEAL FEET OR LINEAR FEET	REINF	REINFORCEMENT	TR	TOWNSHIP ROAD
BLDG	BUILDING	E	EXTERNAL DISTANCE OF HORIZONTAL CURVE	L	LITER OR CURVE LENGTH	REM	REMOVAL	TS	TRAFFIC SIGNAL
CIP	CAST IRON PIPE	E	OFFSET DISTANCE TO VERTICAL CURVE	LC	LONG CHORD	RC	REMOVE CROWN	TSCB	TRAFFIC SIGNAL CONTROL BOX
CB	CATCH BASIN	F-F	FACE TO FACE	LNG	LONGITUDINAL	REP	REPLACEMENT	TSC	TRAFFIC SYSTEMS CENTER
C-C	CENTER TO CENTER	FA	FEDERAL AID	L SUM	LUMP SUM	REST	RESTAURANT	TRVS	TRANSVERSE
CL	CENTERLINE OR CLEARANCE	FAI	FEDERAL AID INTERSTATE	MACH	MACHINE	RESURF	RESURFACING	TRVL	TRAVEL
CL-E	CENTERLINE TO EDGE	FAP	FEDERAL AID PRIMARY	MB	MAIL BOX	RET	RETAINING	TRN	TURN
CL-F	CENTERLINE TO FACE	FAS	FEDERAL AID SECONDARY	MH	MANHOLE	RT	RIGHT	TY	TYPE
CTS	CENTERS	FAUS	FEDERAL AID URBAN SECONDARY	MATL	MATERIAL	ROW	RIGHT-OF-WAY	T-A	TYPE A
CERT	CERTIFIED	FP	FENCE POST	MED	MEDIAN	RD	ROAD	TYP	TYPICAL
CHSLD	CHISELED	FE	FIELD ENTRANCE	m	METER	RDWY	ROADWAY	UNDGND	UNDERGROUND
CS	CITY STREET	FH	FIRE HYDRANT	METH	METHOD	RTE	ROUTE	USGS	U.S. GEOLOGICAL SURVEY
CP	CLAY PIPE	FL	FLOW LINE	M	MID-ORDINATE	SAN	SANITARY	USEL	UPSTREAM ELEVATION
CLSD	CLOSED	FB	FOOT BRIDGE	mm	MILLIMETER	SANS	SANITARY SEWER	USFL	UPSTREAM FLOWLINE
CLID	CLOSED LID	FDN	FOUNDATION	mm DIA	MILLIMETER DIAMETER	SEC	SECTION	UTIL	UTILITY
CT	COAT OR COURT	FR	FRAME	MIX	MIXTURE	SEED	SEEDING	VBOX	VALVE BOX
COMB	COMBINATION	F&G	FRAME & GRATE	MBH	MOBILE HOME	SHAP	SHAPING	VV	VALVE VAULT
C	COMMERCIAL BUILDING	FRWAY	FREEWAY	MOD	MODIFIED	S	SHED	VL	VAULT
CE	COMMERCIAL ENTRANCE	GAL	GALLON	MFT	MOTOR FUEL TAX	SH	SHEET	VEH	VEHICLE
CONC	CONCRETE	GALV	GALVANIZED	N & BC	NAIL & BOTTLE CAP	SHLD	SHOULDER	VP	VENT PIPE
CONST	CONSTRUCT	G	GARAGE	N & C	NAIL & CAP	SW	SIDEWALK OR SOUTHWEST	VERT	VERTICAL
CONTD	CONTINUED	GM	GAS METER	N & W	NAIL & WASHER	SIG	SIGNAL	VC	VERTICAL CURVE
CONT	CONTINUOUS	GV	GAS VALVE	NOAA	NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION	SOD	SODDING	VPC	VERTICAL POINT OF CURVATURE
COR	CORNER	GRAN	GRANULAR	NC	NORMAL CROWN	SM	SOLID MEDIUM	VPI	VERTICAL POINT OF INTERSECTION
CORR	CORRUGATED	GR	GRATE	NB	NORTHBOUND	SB	SOUTHBOUND	VPT	VERTICAL POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	GRVL	GRAVEL	NE	NORTHEAST	SE	SOUTHEAST	WM	WATER METER
CNTY	COUNTY	GND	GROUND	NW	NORTHWEST	SPL	SPECIAL	WV	WATER VALVE
CH	COUNTY HIGHWAY	GUT	GUTTER	OLID	OPEN LID	SD	SPECIAL DITCH	WMAIN	WATER MAIN
CSE	COURSE	GP	GUY POLE	PAT	PATTERN	SO FT	SQUARE FEET	WB	WESTBOUND
XSECT	CROSS SECTION	GW	GUY WIRE	PVD	PAVED	m ²	SQUARE METER	WILDFL	WILDFLOWERS
m ³	CUBIC METER	HH	HANDHOLE	PVMT	PAVEMENT	mm ²	SQUARE MILLIMETER	W	WITH
mm ³	CUBIC MILLIMETER	HATCH	HATCHING	PM	PAVEMENT MARKING	SO YD	SQUARE YARD	WO	WITHOUT

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16-1-1-08

DATE	REVISIONS
1-1-11	Updated abbreviations and symbols.
1-1-08	Updated abbreviations and symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-06

<u>ADJUSTMENT ITEMS</u>		<u>EX</u>	<u>PR</u>	<u>ALIGNMENT ITEMS</u>			<u>CONTOUR ITEMS</u>		
Structure To Be Adjusted				Baseline			Approx. Index Line		
Structure To Be Cleaned				Centerline			Approx. Intermediate Line		
Main Structure To Be Filled				Centerline Break Circle			Index Contour		
Structure To Be Filled				Baseline Symbol			Intermediate Contour		
Structure To Be Filled Special				Centerline Symbol			<u>DRAINAGE ITEMS</u>		
Structure To Be Removed				PI Indicator			Channel or Stream Line		
Structure To Be Reconstructed				Point Indicator			Culvert Line		
Structure To Be Reconstructed Special				Horizontal Curve Data (Half Size)	CURVE P.I. STA= Δ= D= R= T= L= E= es= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= D= R= T= L= E= es= T.R.= S.E. RUN= P.C. STA= P.T. STA=	Grading & Shaping Ditches		
Frame and Grate To Be Adjusted				<u>BOUNDARIES ITEMS</u>			<u>EX</u>	<u>PR</u>	
Frame and Lid To Be Adjusted				Dashed Property Line			Flowline		
Domestic Service Box To Be Adjusted				Solid Property/Lot Line			Ditch Check		
Valve Vault To Be Adjusted				Section/Grant Line			Headwal		
Special Adjustment				Quarter Section Line			Inlet		
Item To Be Abandoned				Quarter/Quarter Section Line			Manhole		
Item To Be Moved				County/Township Line			Summit		
Item To Be Relocated				State Line			Roadway Ditch Flow		
Pavement Removal and Replacement				Iron Pipe Found			Swale		
				Iron Pipe Set			Catch Basin		
				Survey Marker			Culvert End Section		
				Property Line Symbol			Water Surface Indicator		
				Same Ownership Symbol (Half Size)			Riprap		
				Northwest Quarter Corner (Half Size)					
				Section Corner (Half Size)					
				Southeast Quarter Corner (Half Size)					

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 2 of 2)

STANDARD 000001-06

EROSION & SEDIMENT CONTROL ITEMS		EX	PR	NON-HIGHWAY IMPROVEMENT ITEMS		EX	PR	EXISTING LANDSCAPING ITEMS (contd.)		EX	PR
Cleaning & Grading Limits				Noise Attn./Levee				Seeding Class 5			
Dike				Field Line				Seeding Class 7			
Erosion Control Fence				Fence				Seedlings Type 1			
Perimeter Erosion Barrier				Base of Levee				Seedlings Type 2			
Temporary Fence				Mailbox				Sodding			
Ditch Check Temporary				Multiple Mailboxes				Mowstake w/Sign			
Ditch Check Permanent				Pay Telephone				Tree Trunk Protection			
Inlet & Pipe Protection				Advertising Sign				Evergreen Tree			
Sediment Basin								Shade Tree			
Erosion Control Blanket				LANDSCAPING ITEMS		EX	PR				
Fabric Formed Concrete Revetment Mat				Contour Mounding Line							
Turf Reinforcement Mat				Fence							
Mulch Temporary				Fence Post							
Mulch Method 1				Shrubs							
Mulch Method 2 Stabilized				Mowline							
Mulch Method 3 Hydraulic				Perennial Plants							
				Seeding Class 2							
				Seeding Class 2A							
				Seeding Class 4							
				Seeding Class 4 & 5 Combined							
								LIGHTING			
								Duct			
								Conduit			
								Electrical Aerial Cable			
								Electrical Buried Cable			
								Controller			
								Underpass Luminaire			
								Power Pole			

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 3 of 4)

STANDARD 000001-06

<u>LIGHTING</u> <u>(contd.)</u>	<u>EX</u>	<u>PR</u>	<u>PAVEMENT MARKINGS</u>	<u>EX</u>	<u>PR</u>
Pull Point			Bike Lane Symbol		
Handhole			Bike Lane Text		
Heavy Duty Handhole			Handicap Symbol		
Junction Box			RR Crossing		
Light Unit Comb.			Raised Marker Amber 1 Way		
Electrical Ground			Raised Marker Amber 2 Way		
Traffic Flow Arrow			Raised Marker Crystal 1 Way		
High Mast Pole (Half Size)			Two Way Turn Left		
Light Unit-1			Shoulder Diag. Pattern		
	<u>EX</u>	<u>PR</u>	Skip-Dash White		
<u>PAVEMENT (MISC.)</u>			Skip-Dash Yellow		
Keyed Long. Joint			Stop Line		
Keyed Long. Joint w/Tie Bars			Solid Line		
Sawed Long. Joint w/Tie Bars			Double Centerline		
Bituminous Shoulder			Dotted Lines		
Bituminous Taper			CL 2Ln 2Way RRPM 12.2 m (40') o.c.		
Stabilized Driveway			CL 2Ln 2Way RRPM 80' (24.4 m) o.c.		
Widening			CL Multilane Div. RRPM 40' (12.2 m) o.c.		
			CL Multilane Div. RRPM 80' (24.4 m) o.c.		
			CL Multilane Div. Dbl. RRPM 80' (24.4 m) o.c.		
			CL Multilane Undiv.		
			Two Way Turn Left Line		

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**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**

(Sheet 4 of 8)

STANDARD 000001-06

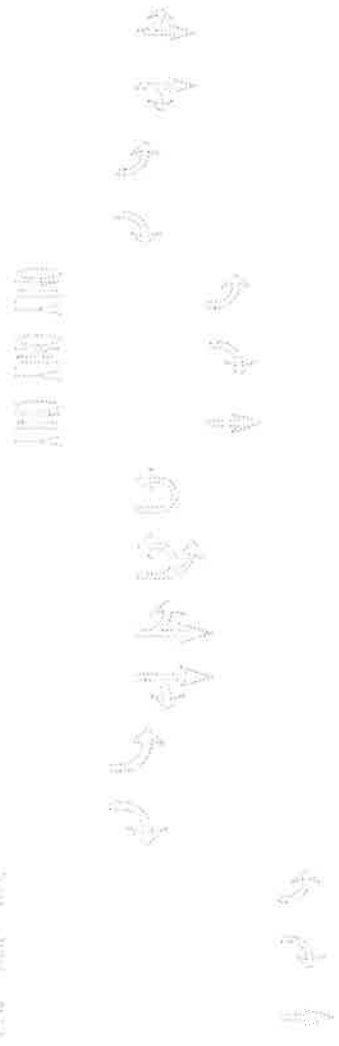
PAVEMENT MARKINGS

(contd.)

- Urban Combination Left
- Urban Combination Right
- Urban Left Turn Arrow
- Urban Right Turn Arrow
- Urban Left Turn Only
- Urban Right Turn Only
- Urban Thru Only
- Urban U-Turn
- Urban Combined U-Turn
- Rural Combination Left
- Rural Combination Right
- Rural Left Turn Arrow
- Rural Right Turn Arrow
- Rural Left Turn Only
- Rural Right Turn Only
- Rural Thru Only

EX

PR



ONLY ONLY ONLY

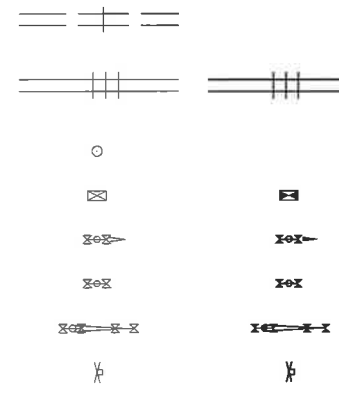
ONLY ONLY ONLY

RAILROAD ITEMS

EX

PR

- Abandoned Railroad
- Railroad
- Railroad Point
- Control Box
- Crossing Gate
- Flashing Signal
- Railroad Cant. Mast Arm
- Crossbuck

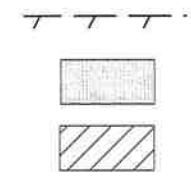


REMOVAL ITEMS

EX

PR

- Removal Tic
- Bituminous Removal
- Hatch Pattern
- Tree Removal Single

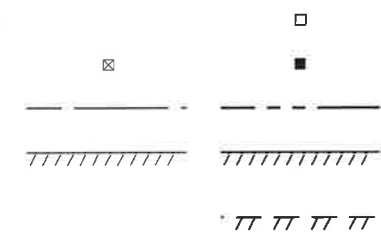


RIGHT OF WAY ITEMS

EX

PR

- Future ROW Corner Monument
- ROW Marker
- ROW Line
- Easement
- Temporary Easement



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**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**

(Sheet 5 of 5)

STANDARD 000001-06

<u>RIGHT OF WAY ITEMS</u> (contd.)	<u>EX</u>	<u>PR</u>
Access Control Line	— AC —	— AC —
Access Control Line & ROW	— AC —	— AC —
Access Control Line & ROW with Fence	— AR —	— AC —
Excess ROW Line		— XS —

<u>ROADWAY PLAN ITEMS</u>	<u>EX</u>	<u>PR</u>
Cable Barrier		
Concrete Barrier		
Edge of Pavement		
Bit Shoulders, Medians and C&G Line		
Aggregate Shoulder		
Sidewalks, Driveways		
Guardrail		
Guardrail Post		
Traffic Sign		
Corrugated Median		
Impact Attenuator		
North Arrow with District Office (Half Size)		
Match Line		STA. 45+00
Slope Limit Line		
Typical Cross-Section Line		

<u>ROADWAY PROFILES</u>	<u>EX</u>	<u>PR</u>
P.I. Indicator	▲	▲
Point Indicator	○	○
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV = L =	VPI = ELEV = L =
Ditch Profile Left Side		
Ditch Profile Right Side		
Roadway Profile Line		
Storm Sewer Profile Left Side		
Storm Sewer Profile Right Side		

<u>SIGNING ITEMS</u>	<u>EX</u>	<u>PR</u>
Cone, Drum or Barricade		○
Barricade Type II		
Barricade Type III		
Barricade With Edge Line		
Flashing Light Sign		○
Panels I		
Panels II		
Direction of Traffic		
Sign Flag (Half Size)		

<u>SIGNING ITEMS</u> (contd.)	<u>EX</u>	<u>PR</u>
Reverse Left W1-4L (Half Size)		
Reverse Right W1-4R (Half Size)		
Two Way Traffic Sign W6-3 (Half Size)		
Detour Ahead W20-2(O) (Half Size)		
Left Lane Closed Ahead W20-5L(O) (Half Size)		
Right Lane Closed Ahead W20-5R(O) (Half Size)		
Road Closed Ahead W20-3(O) (Half Size)		
Road Construction Ahead W20-1(O) (Half Size)		
Single Lane Ahead (Half Size)		
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 6 of 6)

STANDARD 000001-06

SIGNING ITEMS
(contd.)

EX

PR

- One Way Arrow Lrg. W1-6-(0)
(Half Size)
- Two Way Arrow Large W1-7-(0)
(Half Size)
- Detour M4-10L-(0)
(Half Size)
- Detour M4-10R-(0)
(Half Size)
- One Way Left R6-1L
(Half Size)
- One Way Right R6-1R
(Half Size)
- Left Turn Lane R3-1100L
(Half Size)
- Keep Left R4-7AL
(Half Size)
- Keep Left R4-7BL
(Half Size)
- Keep Right R4-7AR
(Half Size)
- Keep Right R4-7BR
(Half Size)
- Stop Here On Red R10-6-AL
(Half Size)
- Stop Here On Red R10-6-AR
(Half Size)
- No Left Turn R3-2
(Half Size)
- No Right Turn R3-1
(Half Size)
- Road Closed R11-2
(Half Size)
- Road Closed Thru Traffic R11-2
(Half Size)



STRUCTURES ITEMS

EX

PR

- Box Culvert Barrel
- Box Culvert Headwall
- Bridge Pier
- Bridge
- Retaining Wall
- Temporary Sheet Piling



TRAFFIC SHEET ITEMS

EX

PR

- Cable Number
- Left Turn Green
- Left Turn Yellow
- Signal Backplate
- Signal Section 8" (200 mm)
- Signal Section 12" (300 mm)
- Walk/Don't Walk Letters
- Walk/Don't Walk Symbols



TRAFFIC SIGNAL ITEMS

EX

PR

- Galv. Steel Conduit
- Underground Cable
- Detector Loop Line
- Detector Loop Large
- Detector Loop Small
- Detector Loop Quadrapole



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16-1-1 (03/05)K

**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**

(Sheet 7 of 7)

STANDARD 000001-06

TRAFFIC SIGNAL ITEMS (contd.)	EX	PR
Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gulfbox Junction		
Wood Pole		
Temp. Signal Head		
Handhole		
Double Handhole		
Heavy Duty Handhole		
Junction Box		
Ped. Pushbutton Detector		
Ped. Signal Head		
Power Pole Service		
Priority Veh. Detector		
Signal Head		
Signal Head w/Backplate		
Signal Post		
Closed Circuit TV		
Video Detector System		

UNDERGROUND UTILITY ITEMS	EX	PR	ABANDONED
Cable TV			
Electric Cable			
Fiber Optic			
Gas Pipe			
Oil Pipe			
Sanitary Sewer			
Telephone Cable			
Water Pipe			

UTILITIES ITEMS	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
GuyWire or Deadman Anchor		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

UTILITY ITEMS (contd.)	EX	PR
Traffic Signal		
Traffic Signal Control Box		
Water Meter		
Water Meter Valve Box		
Profile Line		
Aerial Power Line		

VEGETATION ITEMS	EX	PR
Deciduous Tree		
Bush or Shrub		
Evergreen Tree		
Stump		
Orchard/Nursery Line		
Vegetation Line		
Woods & Bush Line		

WATER FEATURE ITEMS	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Eitch		
Marsh		
Marsh/Swamp Boundary		

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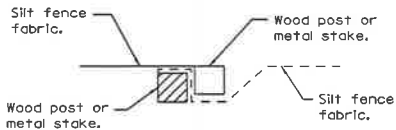
APPROVED JANUARY 1, 2011

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

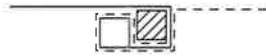
(Sheet 8 of 8)

STANDARD 000001-06



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 1

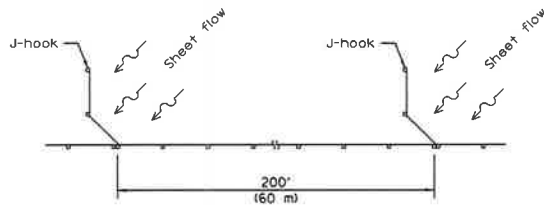


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

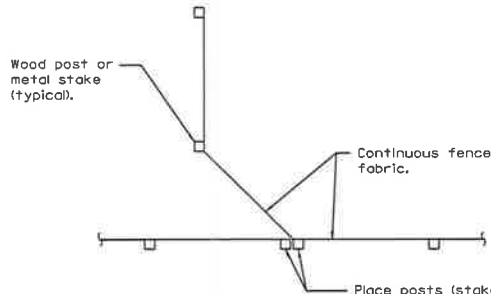
STEP 2

ATTACHING TWO SILT FILTER FENCES

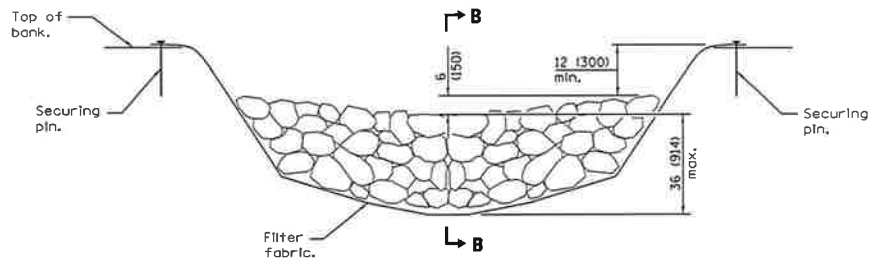
(Not applicable for J-hooks)



SILT FILTER J-HOOK PLACEMENT

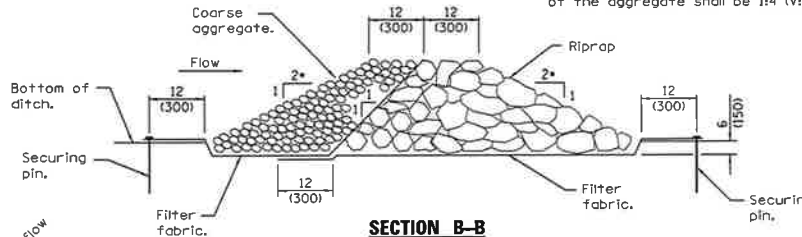


J-HOOK



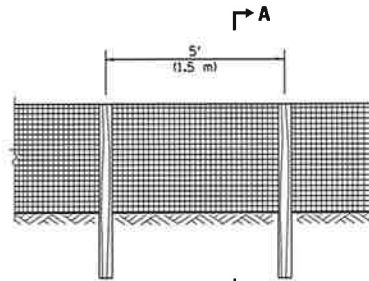
ELEVATION

• When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).



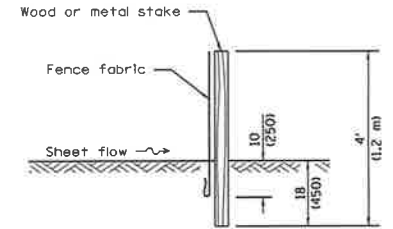
SECTION B-B

AGGREGATE DITCH CHECK

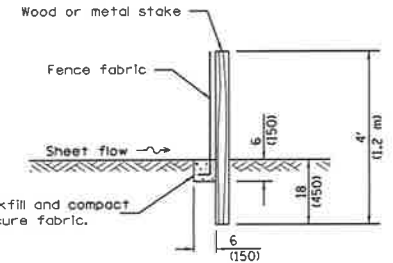


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-13	Corrected notation for flowline (E) on SEDIMENT BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A.

TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

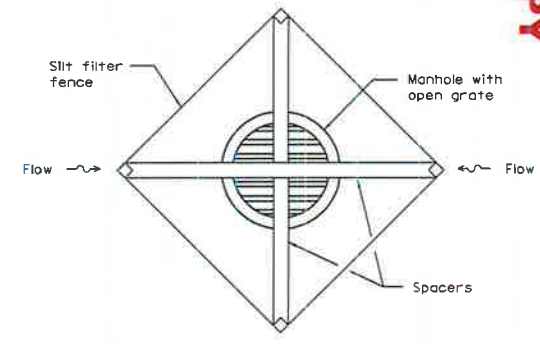
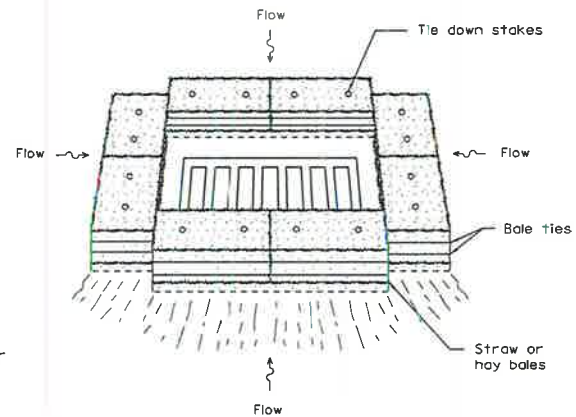
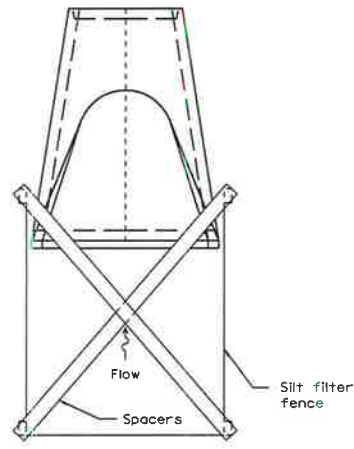
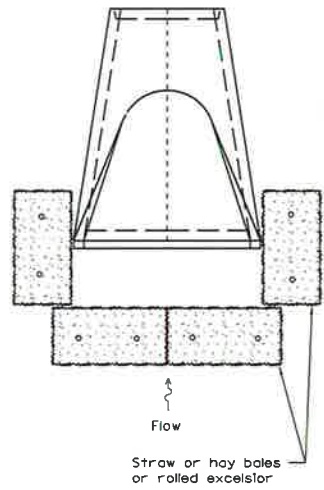
STANDARD 280001-07

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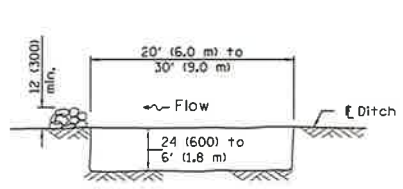
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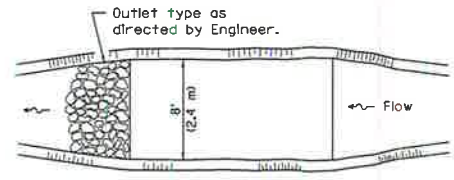


INLET AND PIPE PROTECTION



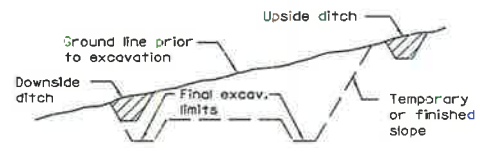
The performance of the basin will improve if put into a series.

ELEVATION

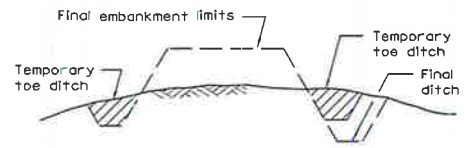


The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

PLAN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

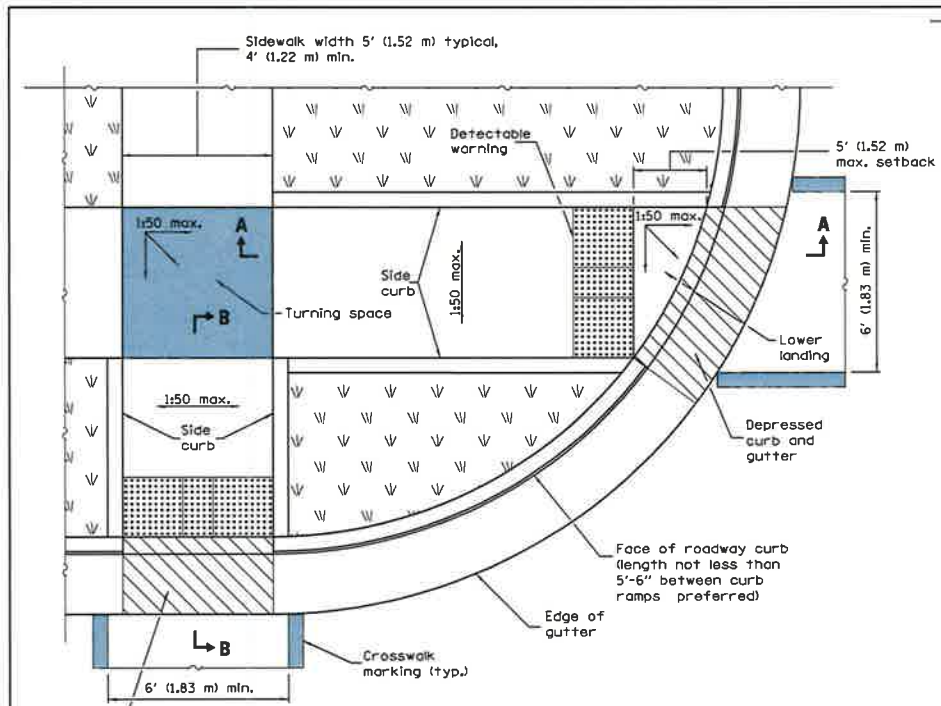
TEMPORARY DITCHES FOR CUT & FILL SECTIONS

SEDIMENT BASIN

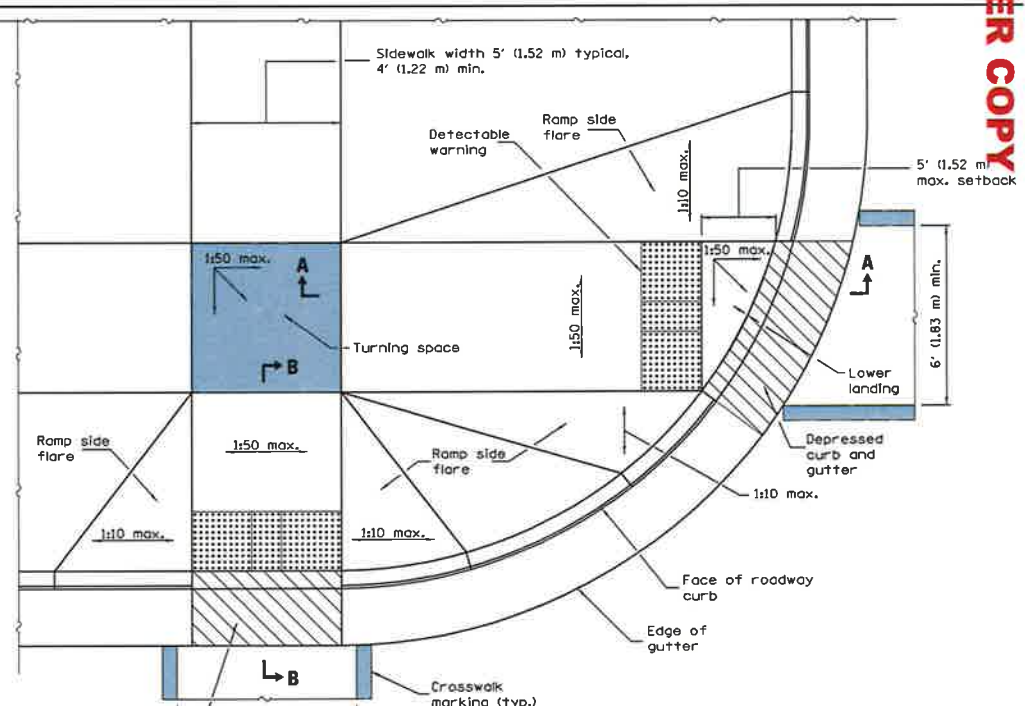
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APPROVED	January 1, 2013
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ISSUED 1-1-13	167

TEMPORARY EROSION CONTROL SYSTEMS
(Sheet 2 of 2)

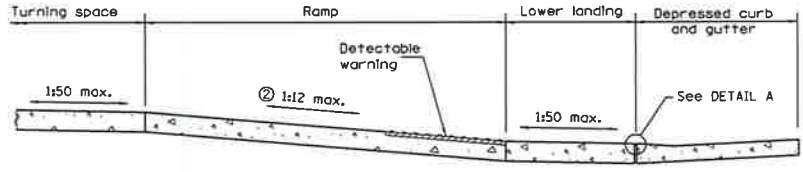
STANDARD 280001-07



**RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'**

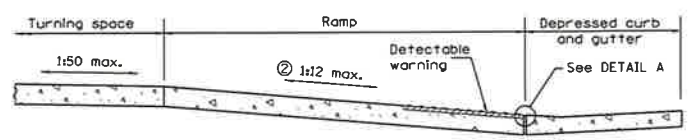


**RAMPS IN PAVED AREA
SETBACK ≤ 5'**



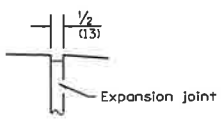
SECTION A-A

② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

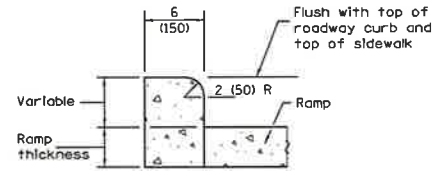


SECTION B-B

② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



DETAIL A



SIDE CURB DETAIL

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APPROVED January 1, 2017
Hanson in Color
ENGINEER OF DESIGN AND ENVIRONMENT
16-1-1 028552

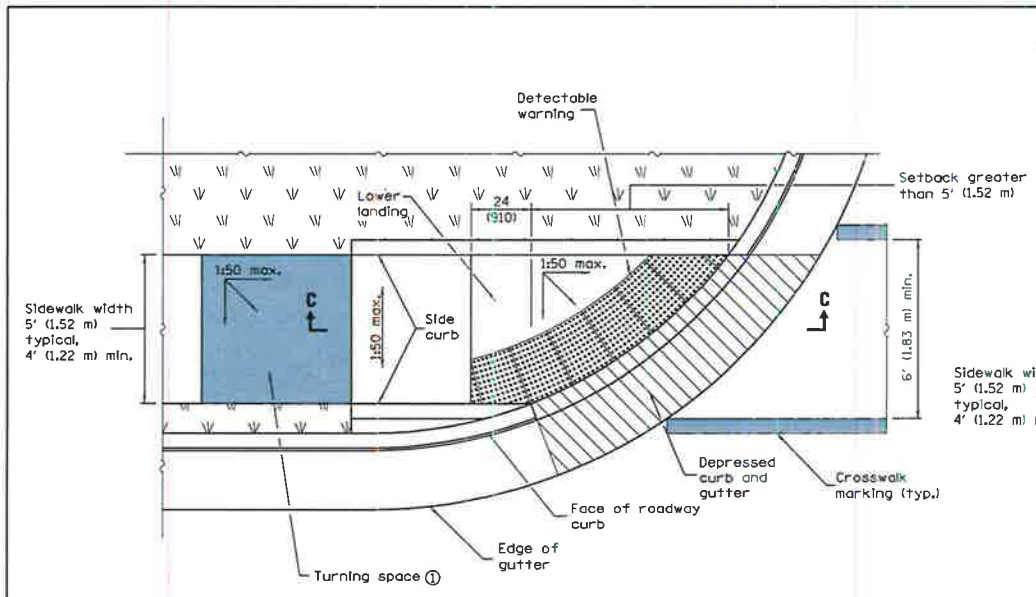
DATE	REVISIONS
1-1-17	Added 2' dimension to det. warnings for setbacks greater than 5'.
1-1-15	① not appl. to int. sidewalks. Rev. gen. notes. Ch'd Upper landing to Turning space.

See Sheet 2 for GENERAL NOTES.

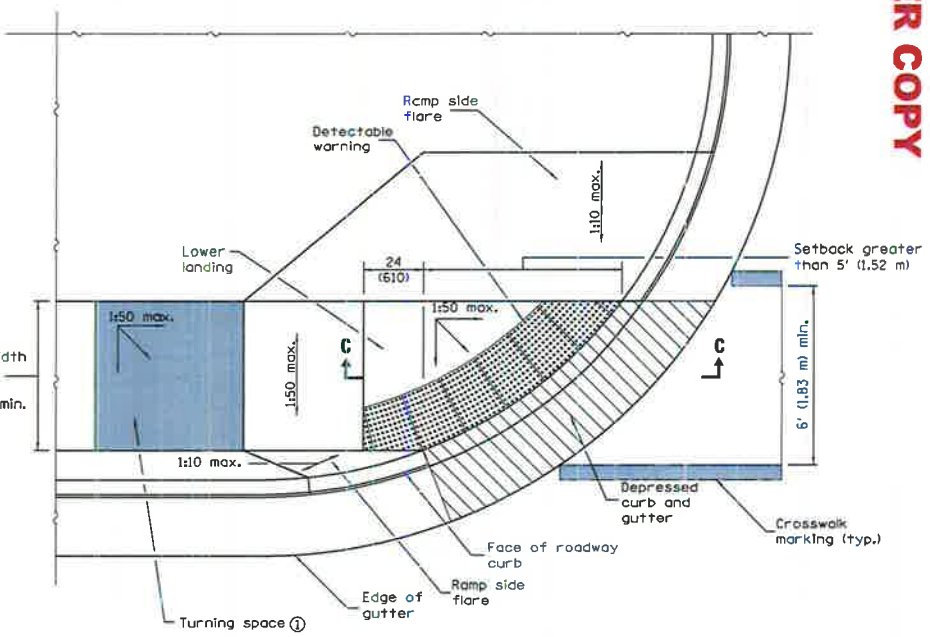
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 1 of 2)

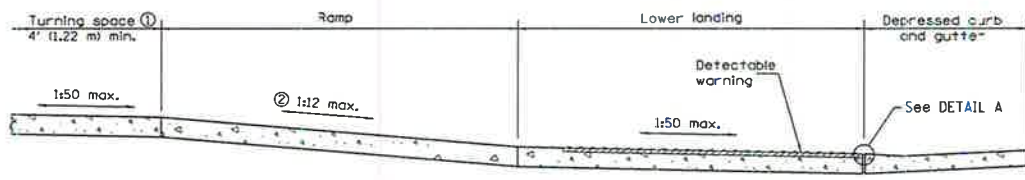
STANDARD 424001-09



**RAMP IN LANDSCAPED AREA
SETBACK > 5'**



**RAMP IN PAVED AREA
SETBACK > 5'**



SECTION C-C

- ① Turning space not required for ramp slopes flatter than 1:20.
- ② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

**PERPENDICULAR CURB RAMPS
FOR SIDEWALKS**

(Sheet 2 of 2)

STANDARD 424001-09

Illinois Department of Transportation

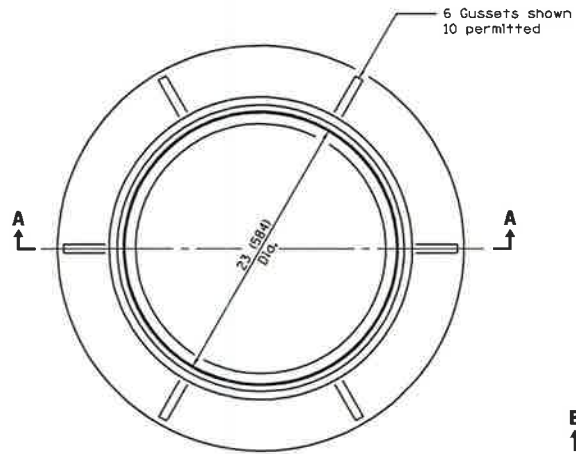
PASSED January 1, 2017

Michael Brand
ENGINEER OF POLICY AND PROCEDURES

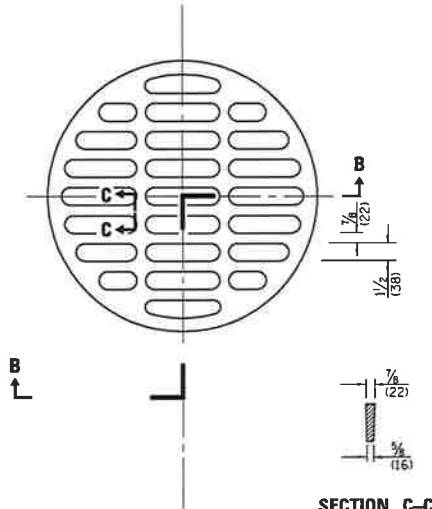
APPROVED January 1, 2017

Maureen M. Kelly
ENGINEER OF DESIGN AND ENVIRONMENT

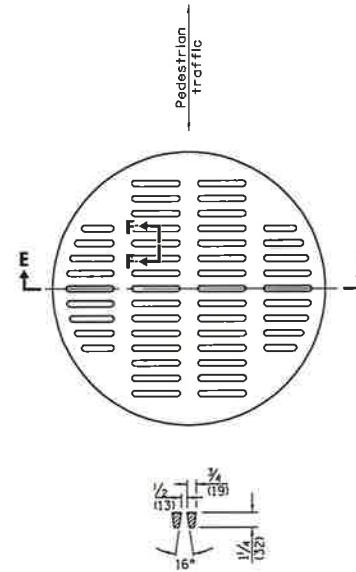
16-1-1 03/15/11



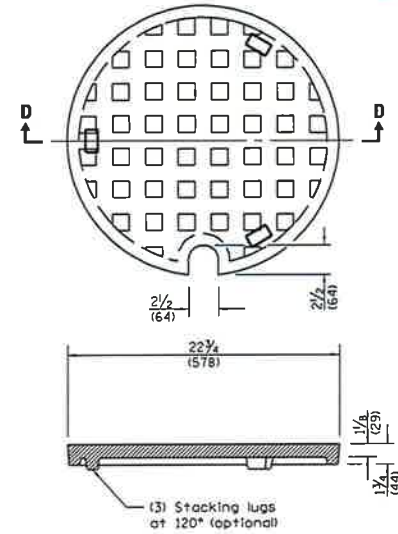
CAST FRAME



SECTION C-C

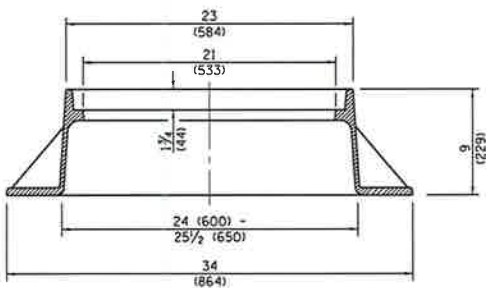


SECTION F-F

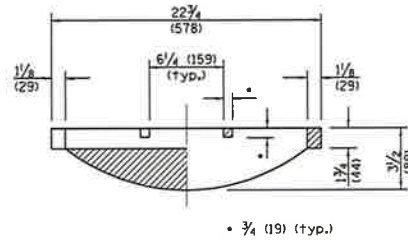


SECTION D-D

CAST CLOSED LID
Gray Iron Lid

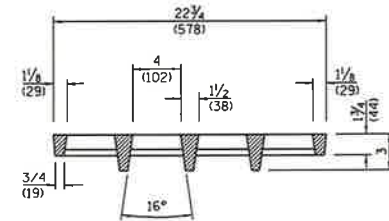


SECTION A-A
Gray Iron



SECTION B-B

CAST OPEN LID



SECTION E-E

**ADA COMPLIANT
CAST OPEN LID**

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2015

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2015

ENGINEER OF DESIGN AND ENVIRONMENT

16-1-1 08/15

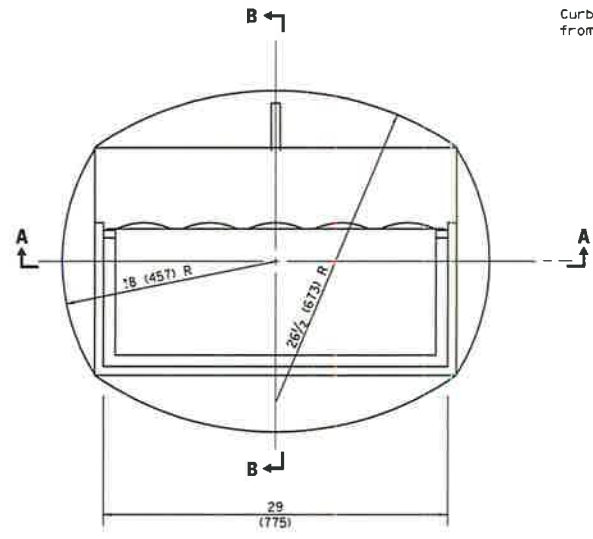
DATE	REVISIONS
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.
1-1-09	Switched units to English (metric).

**FRAME AND LIDS
TYPE 1**

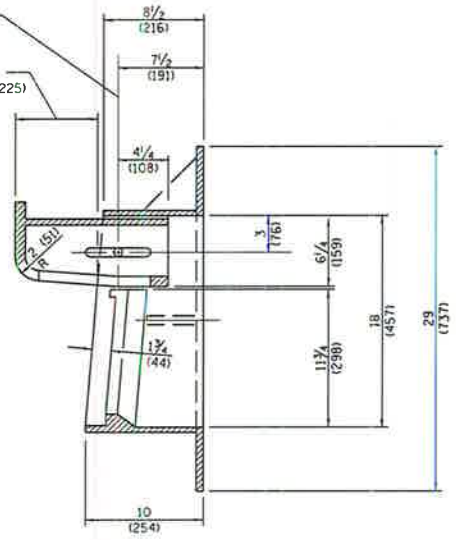
STANDARD 604001-04

± 5/8 (10) Dia. hole and 3/8x5/2 (16x140) slotted hole for galvanized 1/2 (M12) bolt, nut, and washer.

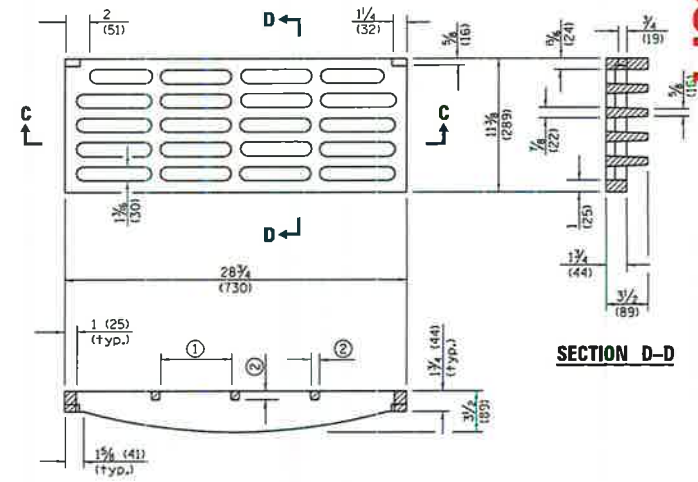
Curb box adjustable from 4 1/2 (115) to 9 (225)



CAST FRAME



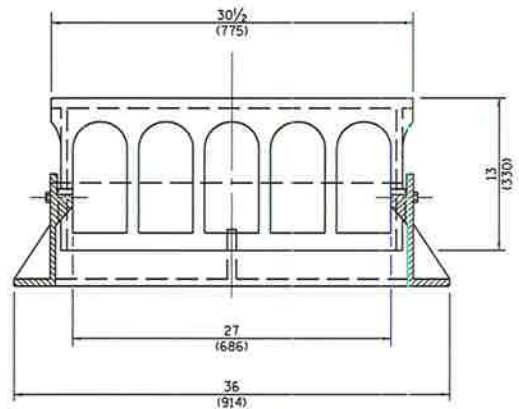
SECTION B-B



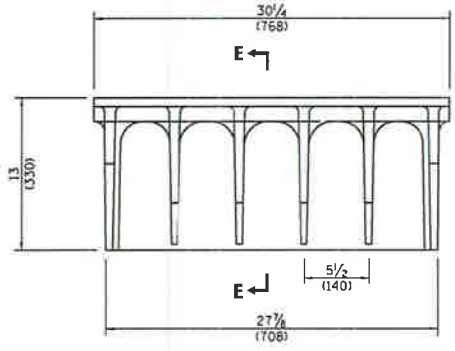
SECTION C-C

- ① = 6 1/4 (159) max. (typ.)
- ② = 3/4 (19) min. (typ.)

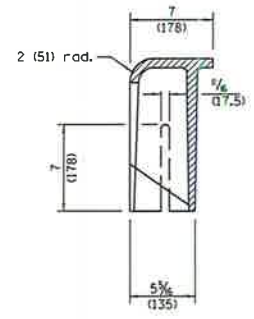
SECTION D-D



SECTION A-A



ALTERNATE CURB BOX



SECTION E-E

CAST GRATE

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2015

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2015

ENGINEER OF DESIGN AND ENVIRONMENT

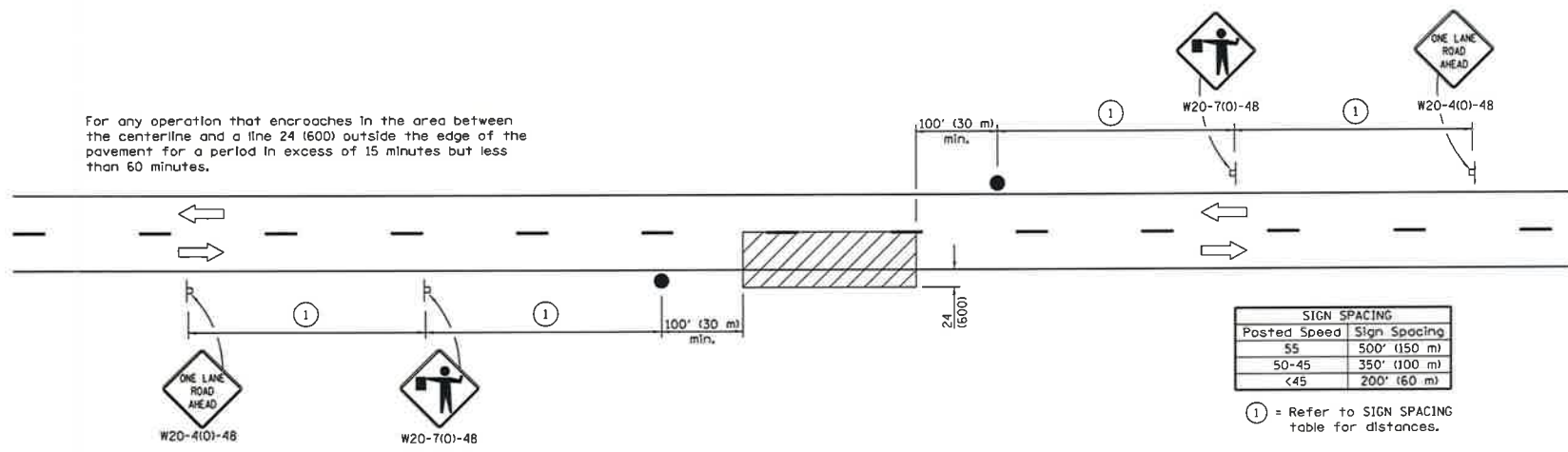
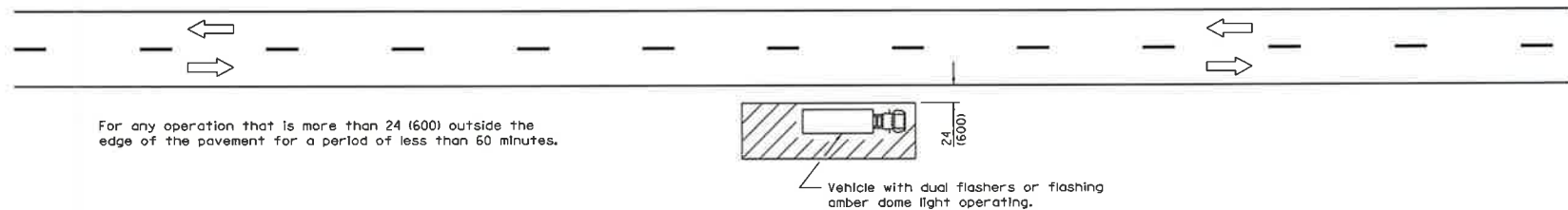
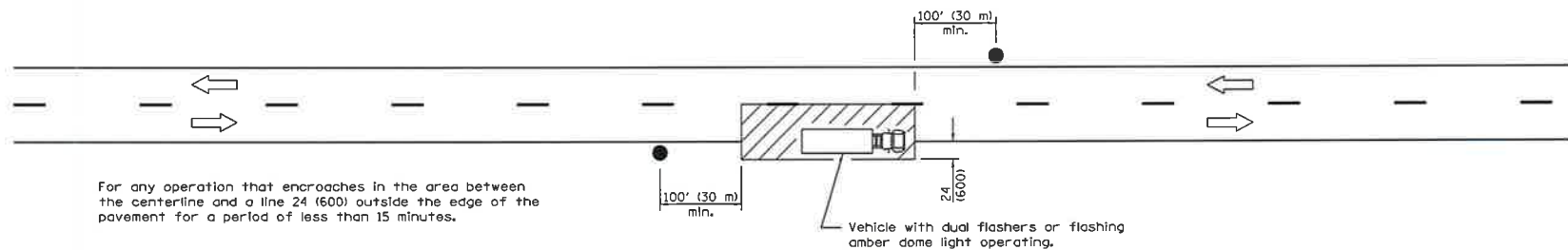
ISSUES

16-1-1 (2015)

DATE	REVISIONS
1-1-15	Revised dimensions of frame and alternate curb box.
4-1-09	Switched units to English (metric).

**FRAME AND GRATE
TYPE 11**

STANDARD 604051-04



TYPICAL APPLICATIONS

- Marking patches
- Field survey
- String line
- Utility operations
- Cleaning up debris on pavement

SYMBOLS

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED *[Signature]* JANUARY 1, 2011
ENGINEER OF SAFETY ENGINEERING

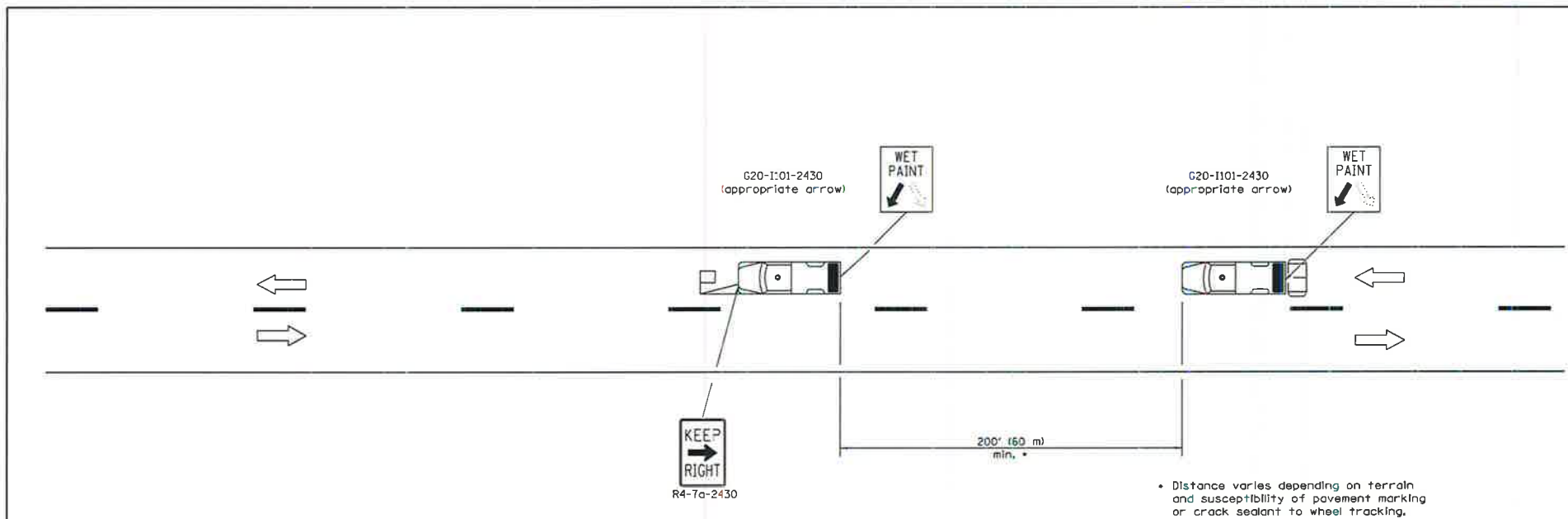
APPROVED *[Signature]* JANUARY 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT

16-1-1 (REVISED)

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STANDARD 701301-04



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Pavement marking
- Weed spraying
- Roadmeter measurements
- Debris cleanup
- Crack pouring

SYMBOLS

- Arrow board (Hazard Mode only)
- Truck with headlights, emergency flashers and flashing amber light. (visible from all directions)
- 18x18 (450x450) min. orange flag (use when guide wheel is used)
- Truck mounted attenuator

GENERAL NOTES

This Standard is used where any vehicle, equipment, workers or their activities will require a continuous moving operation where the average speed is greater than 3 mph (5 km/h).

For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701426.

All dimensions are in Inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED *[Signature]* January 1, 2009
ENGINEER OF OPERATIONS

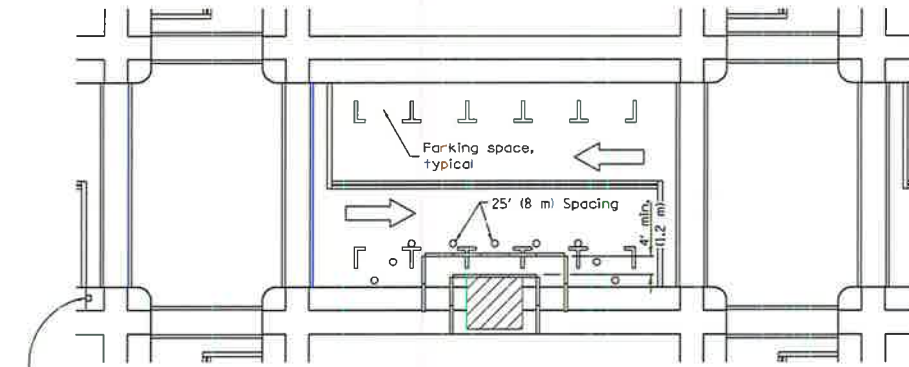
APPROVED *[Signature]* January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

16-1-1 (01/05)

DATE	REVISIONS
1-1-09	Switched units to English (metric). Omitted Pass With Care sign.
1-1-00	Elim. speed restrictions in Standard title.

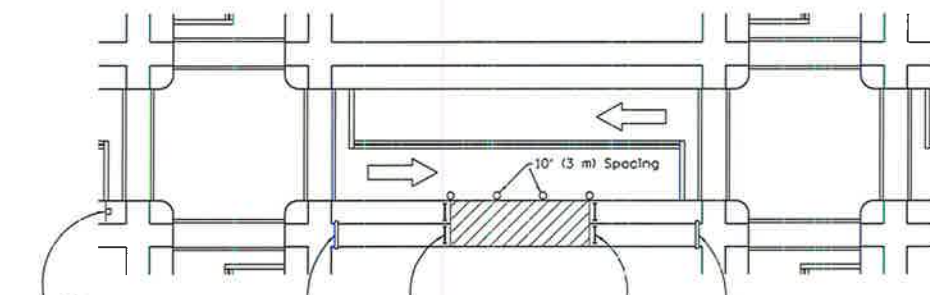
**LANE CLOSURE 2L, 2W
MOVING OPERATIONS-
DAY ONLY**

STANDARD 701311-03



- ① ROAD CONSTRUCTION AHEAD W20-1103(O)-48 for contract construction projects
- or
- ① ROAD WORK AHEAD W20-1(O)-48 for maintenance and utility projects

SIDEWALK DIVERSION



- ① ROAD CONSTRUCTION AHEAD W20-1103(O)-48 for contract construction projects
- or
- ① ROAD WORK AHEAD W20-1(O)-48 for maintenance and utility projects

SIDEWALK CLOSURE

- SYMBOLS**
- Work area
 - Sign on portable or permanent support
 - Barricade or drum
 - Cone, drum or barricade
 - Type III barricade
 - Detectable pedestrian channelizing barricade

① Omit whenever duplicated by road work traffic control.

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the s-d. spec.
1-1-12	Added SIDEWALK DIVERSION. Modified appearance of plan views. Renamed Std.

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

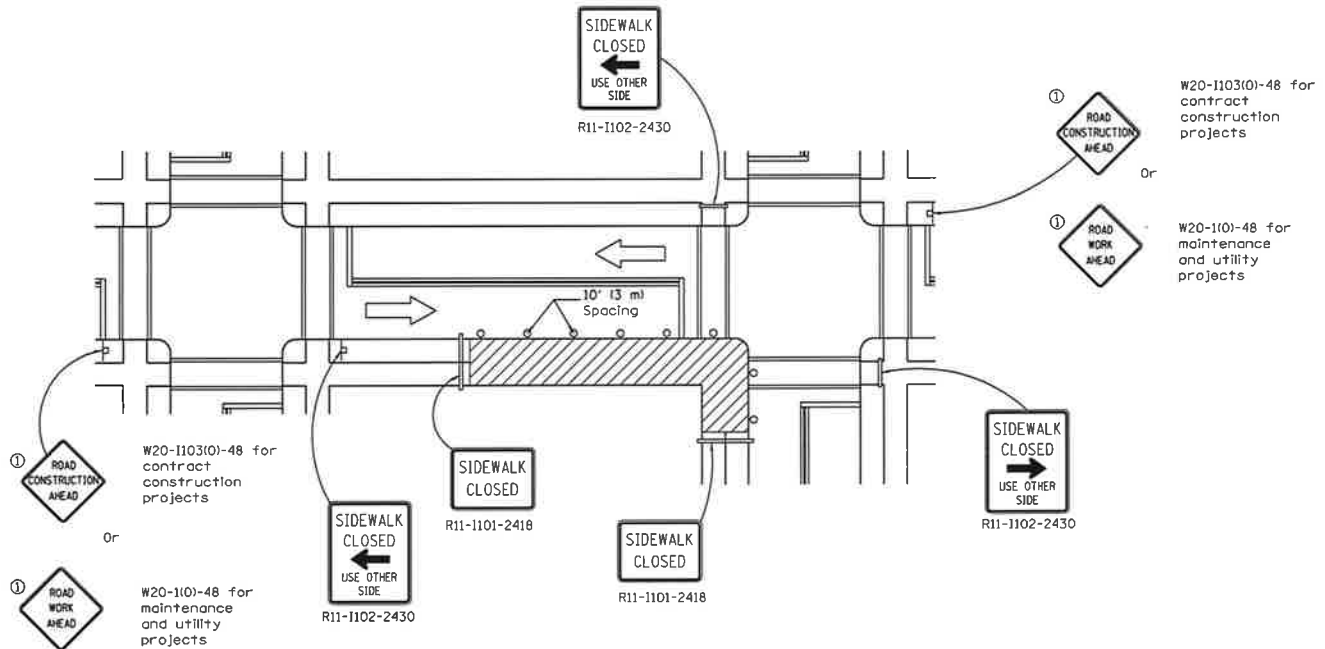
STANDARD 701801-06

Illinois Department of Transportation

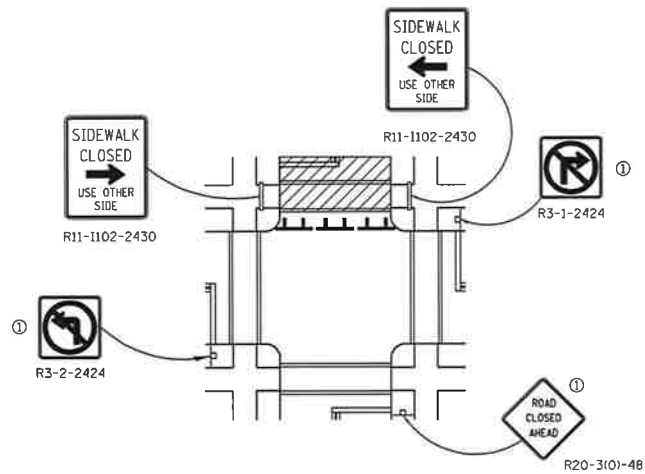
APPROVED *[Signature]* APR 2, 2016
ENGINEER OF SAFETY ENGINEERING

APPROVED *[Signature]* APR 2, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

1551511
46-1-1 (03/15)



CORNER CLOSURE



CROSSWALK CLOSURE

Illinois Department of Transportation

APPROVED: *[Signature]* 2016
 ENGINEER OF SAFETY ENGINEERING

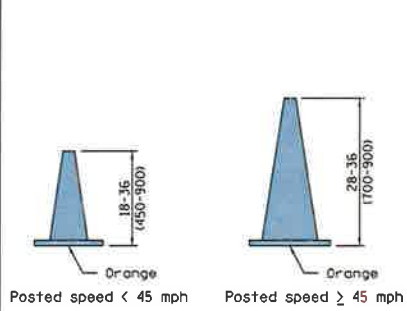
APPROVED: *[Signature]* 2016
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED: 16-1-1

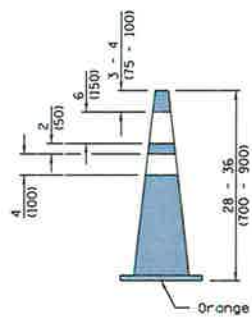
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

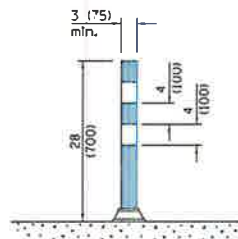
STANDARD 701801-06



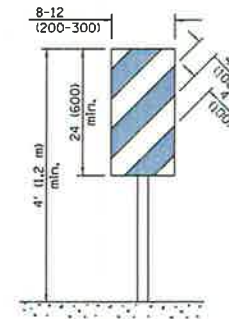
CONE FOR DAYTIME



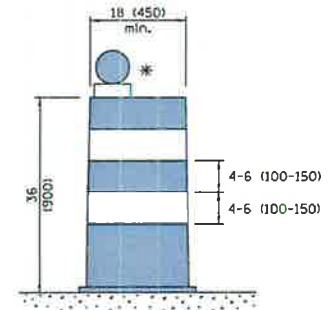
REFLECTORIZED CONE FOR NIGHTTIME



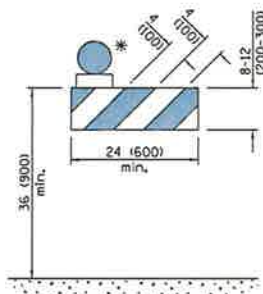
TUBULAR MARKER



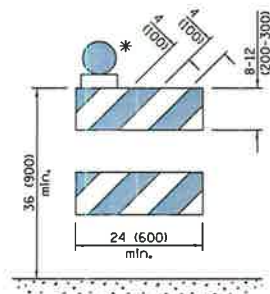
VERTICAL PANEL POST MOUNTED



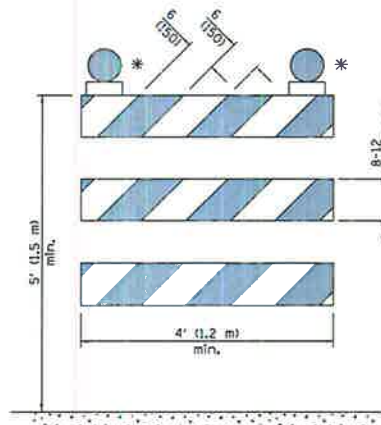
DRUM



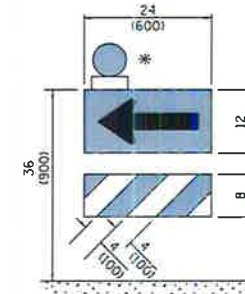
TYPE I BARRICADE



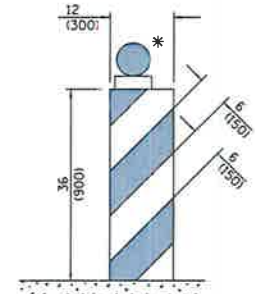
TYPE II BARRICADE



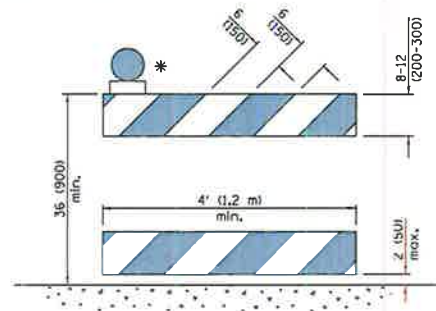
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in Inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-17	Changed FLEXIBLE DELINEATOR to TUBULAR MARKER.
4-1-16	Add dim's to barricades. Rev. note for post mnt. signs.
	Rev. cone dtls. Add W12-I103.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

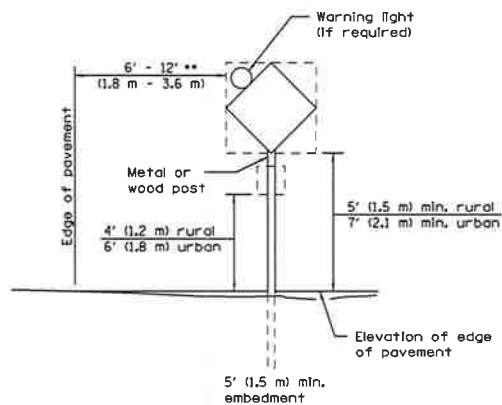
STANDARD 701901-06

Illinois Department of Transportation

APPROVED: *[Signature]* 2017
ENGINEER OF OPERATIONS

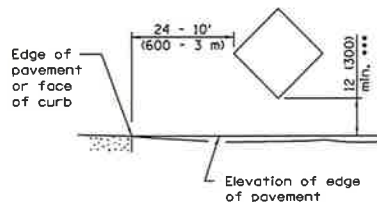
APPROVED: *[Signature]* 2017
ENGINEER OF DESIGN AND ENVIRONMENT

16-1-1 GBNSS



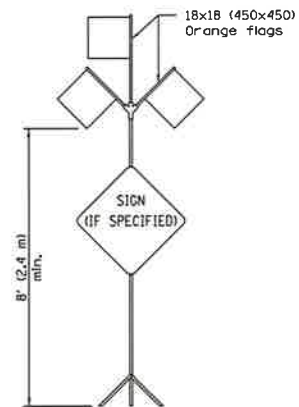
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



HIGH LEVEL WARNING DEVICE

ROAD
CONSTRUCTION
NEXT X MILES

END
CONSTRUCTION

G20-1104(O)-6036

G20-1105(O)-6024

This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT XX	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618 ****
XXXX FINE MINIMUM	R2-1106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

END WORK ZONE SPEED LIMIT	G20-1103(O)-6036
---------------------------	------------------

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

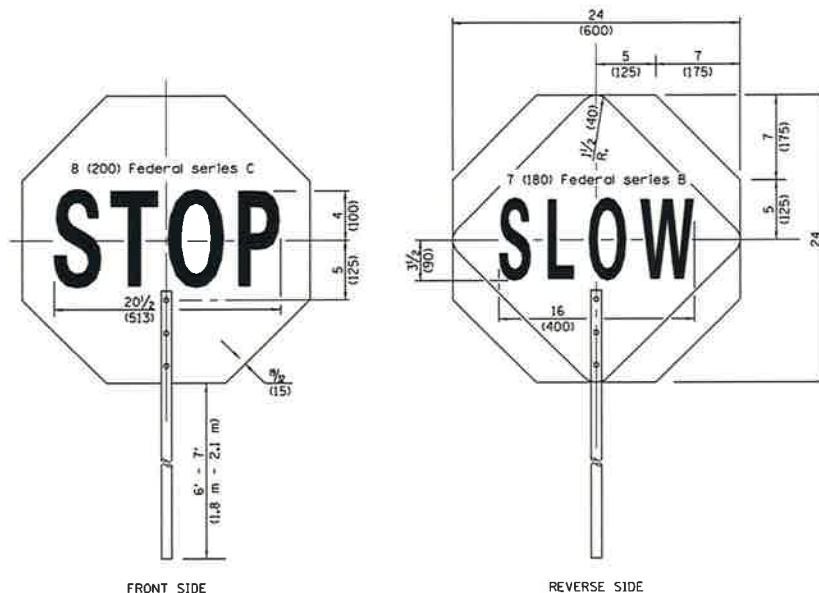
**** R10-1108p shall only be used along roadways under the jurisdiction of the State.



W12-1103-4848

WIDTH RESTRICTION SIGN

XX'-XX'' width and X miles are variable.



FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

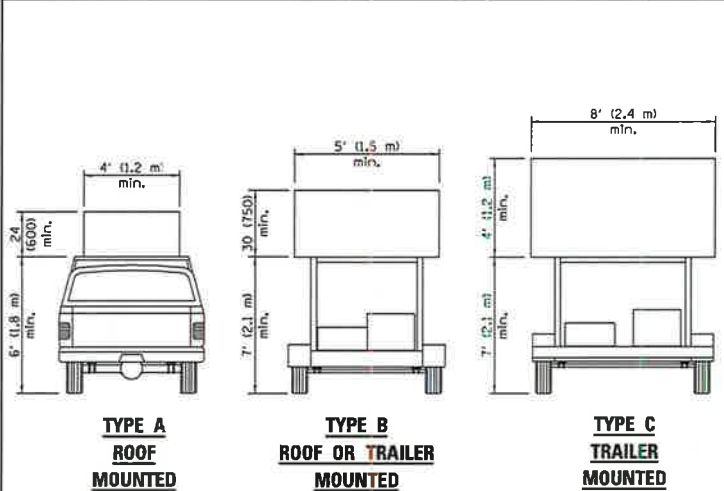
APPROVED January 1, 2017
ENGINEER OF OPERATIONS

APPROVED January 1, 2017
ENGINEER OF DESIGN AND ENVIRONMENT

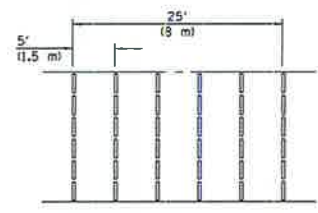
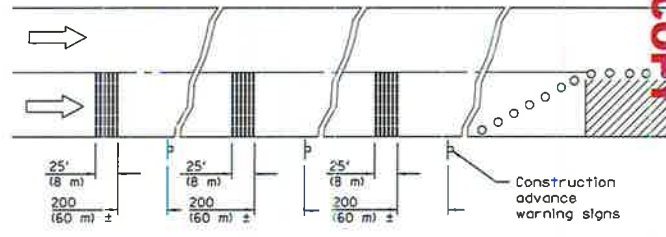
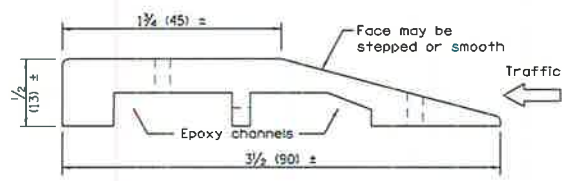
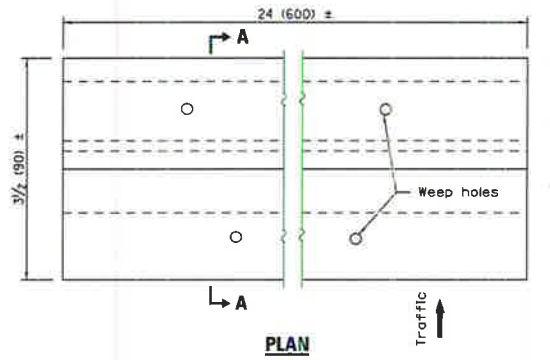
16-1-1 03/15/17

TRAFFIC CONTROL DEVICES

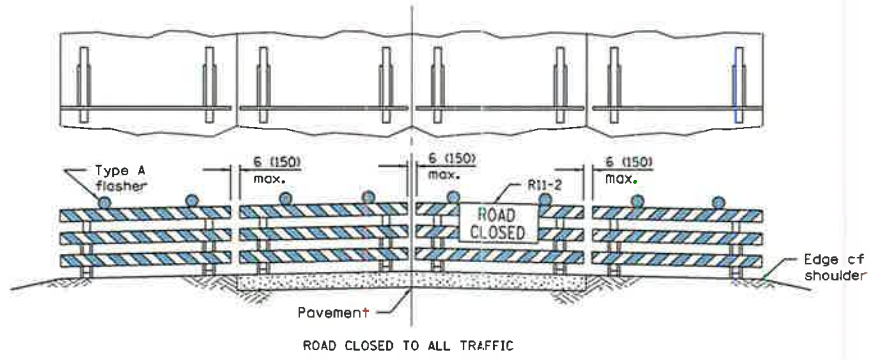
STANDARD 701901-06



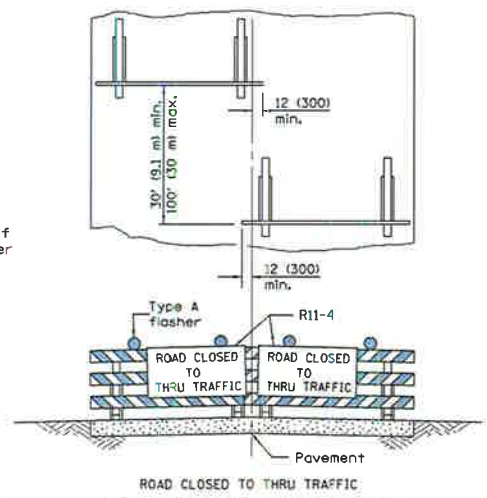
ARROW BOARDS



TEMPORARY RUMBLE STRIPS



Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED January 11, 2017

ENGINEER OF OPERATIONS

APPROVED January 11, 2017

ENGINEER OF DESIGN AND ENVIRONMENT

16-1-1 03153

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-06

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

APPENDIX F

**STORMWATER POLLUTION PREVENTION PLAN
NOTICE OF INTENT**



Illinois Department of Transportation

Storm Water Pollution Prevention Plan



Route	Marked Route	Section
	South Michigan Avenue	
Project Number	County	Contract Number
	DuPage	

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issues by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name	Title	Agency
Vydas Juskelis	Director of Public Works	Village of Villa Park
Signature		Date
<i>Vydas Juskelis</i>		09/22/2017

I. Site Description

- A. Provide a description of the project location (include latitude and longitude):
South Michigan Ave from W. Jackson St. to W. Madison St. (41 52'30", 87 59'07").
- B. Provide a description of the construction activity which is subject of this plan:
Roadway reconstruction and storm sewer installation.
- C. Provide the estimated duration of this project:
6 months.
- D. The total area of the construction site is estimated to be 1.5 acres.
The total area of the site estimated to be disturbed by excavation, grading or other activities is 1.5 acres.
- E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed:
0.83
- F. List all soils found within project boundaries. Include map unit name, slope information and erosivity:
854B - Markhas-Ashkum-Beecher complex, 1 to 6 percent slopes, moderate erosivity.
- G. Provide an aerial extent of wetland acreage at the site:
No wetlands are located within the project limits.
- H. Provide a description of potentially erosive areas associated with this project:
Excavations and parkways.
- I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g. steepness of slopes, length of scopes, etc.):

After removing the existing pavement and excavating for the storm sewer construction, the exposed soil will be susceptible to erosion from storm events. Foreslopes that drain away from the road are slopes of 10:1 or flatter to the ROW.

J. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent off site sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) and locations where storm water is discharged to surface water including wetlands.

K. Identify who owns the drainage system (municipality or agency) this project will drain into:

Village of Villa Park

L. The following is a list of General NPDES ILR40 permittees within whose reporting jurisdiction this project is located.

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. The location of the receiving waters can be found on the erosion and sediment control plans:

Runoff is directly tributary to existing storm sewers which ultimately discharge into Sugar Creek.

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes, highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc.

None

O. The following sensitive environmental resources are associated with this project, and may have the potential to be impacted by the proposed development:

- Floodplain
- Wetland Riparian
- Threatened and Endangered Species
- Historic Preservation
- 303(d) Listed receiving waters for suspended solids, turbidity, or siltation
- Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity, or siltation
- Applicable Federal, Tribal, State or Local Programs
- Other

1. 303(d) Listed receiving waters (fill out this section if checked above):

a. The name(s) of the listed water body, and identification of all pollutants causing impairment:

b. Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

c. Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

d. Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

2. TMDL (fill out this section if checked above)

a. The name(s) of the listed water body:

b. Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

[Empty text box for erosion and sediment control strategy description]

c. If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet the allocation:

[Empty text box for waste load allocation description]

P. The following pollutants of concern will be associated with this construction project:

- Soil Sediment
- Concrete
- Concrete Truck waste
- Concrete Curing Compounds
- Solid waste Debris
- Paints
- Solvents
- Fertilizers / Pesticides
- Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)
- Antifreeze / Coolants
- Waste water from cleaning construction equipment
- Other (specify) _____
- Other (specify) _____
- Other (specify) _____
- Other (specify) _____
- Other (specify) _____

II. Controls

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in I.C. above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. Erosion and Sediment Controls: At a minimum, controls must be coordinated, installed, and maintained to:

1. Minimize the amount of soil exposed during construction activity;
2. Minimize the disturbance of steep slopes;
3. Maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
4. Minimize soil compaction and, unless infeasible, preserve topsoil.

B. Stabilization Practices: Provided below is a description of interim and permanent stabilization practices, including site- specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II(B)(1) and II(B)(2), stabilization measures shall be initiated immediately where construction activities have temporarily or permanently ceased, but in no case more than one (1) day after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of fourteen (14) or more calendar days.

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

The following stabilization practices will be used for this project:

- Preservation of Mature Vegetation
- Vegetated Buffer Strips
- Protection of Trees
- Temporary Erosion Control Seeding
- Erosion Control Blanket / Mulching
- Sodding
- Geotextiles
- Other (specify) _____

- Temporary Turf (Seeding, Class 7) Other (specify) _____
- Temporary Mulching Other (specify) _____
- Permanent Seeding Other (specify) _____

Describe how the stabilization practices listed above will be utilized during construction:

Areas outside the pavement will be permanently stabilized with sod after construction of roadway items and sidewalk is completed. A geotechnical fabric will be used under the road for ground stabilization.

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

The contractor will provide supplemental watering to permanent sod locations as needed. Temporary measures will be removed once sod has established.

C. **Structural Practices:** Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

The following stabilization practices will be used for this project:

- Perimeter Erosion Barrier Rock Outlet Protection
- Temporary Ditch Check Riprap
- Storm Drain Inlet Protection Gabions
- Sediment Trap Slope Mattress
- Temporary Pipe Slope Drain Retaining Walls
- Temporary Sediment Basin Slope Walls
- Temporary Stream Crossing Concrete Revetment Mats
- Stabilized Construction Exits Level Spreaders
- Turf Reinforcement Mats Other (specify) _____
- Permanent Check Dams Other (specify) _____
- Permanent Sediment Basin Other (specify) _____
- Aggregate Ditch Other (specify) _____
- Paved Ditch Other (specify) _____

Describe how the structural practices listed above will be utilized during construction:

Perimeter erosion barrier will be placed in areas sloping away from the project. Storm structures within the work area and adjacent to the work area will be protected with inlet filters.

Describe how the structural practices listed above will be utilized after construction activities have been completed:

The structural practices listed will remain in place until the sod has established as stabilized vegetation.

D. **Treatment Chemicals**

Will polymer flocculents or treatment chemicals be utilized on this project: Yes No

If yes above, identify where and how polymer flocculents or treatment chemicals will be utilized on this project.

E. **Permanent Storm Water Management Controls:** Provided below is a description of measures that will be installed during the construction process to control volume and pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water act.

1. Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

The practices selected for implementation were determined on the basis of the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT Bureau of Design & Environment Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

2. Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

Description of permanent storm water management controls:

Runoff from the project areas will be directed to the existing storm sewers. No outfall protection is required for this project.

- F. **Approved State or Local Laws:** The management practices, controls, and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban Manual. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under the Permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

All management practices, controls, and other provisions provided in this plan are in accordance with IDOT Standard Specifications for Road and Bridge Construction.

- G. **Contractor Required Submittals:** Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342a.

1. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:
 - Approximate duration of the project, including each stage of the project
 - Rainy season, dry season, and winter shutdown dates
 - Temporary stabilization measures to be employed by contract phases
 - Mobilization time frame
 - Mass clearing and grubbing/roadside clearing dates
 - Deployment of Erosion Control Practices
 - Deployment of Sediment Control Practices (including stabilized construction entrances/exits)
 - Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
 - Paving, saw-cutting, and any other pavement related operations
 - Major planned stockpiling operations
 - Time frame for other significant long-term operations or activities that may plan non-storm water discharges such as dewatering, grinding, etc.
 - Permanent stabilization activities for each area of the project
2. The Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:

- Vehicle Entrances and Exits - Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
- Material delivery, Storage, and Use - Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
- Stockpile Management - Identify the location of both on-site and off-site stockpiles. Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
- Waste Disposal - Discuss methods of waste disposal that will be used for this project.
- Spill Prevention and Control - Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.).
- Concrete Residuals and Washout Wastes - Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
- Litter Management - Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
- Vehicle and Equipment Cleaning and Maintenance - Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.
- Dewatering Activities - Identify the controls which will be used during dewatering operations to ensure sediments will not leave the construction site.
- Polymer Flocculants and Treatment Chemicals - Identify the use and dosage of treatment chemicals and provide the Resident Engineer with Material Safety Data Sheets. Describe procedures on how the chemicals will be used and identify who will be responsible for the use and application of these chemicals. The selected individual must be trained on the established procedures.
- Additional measures indicated in the plan.

III. Maintenance

When requested by the Contractor, the Resident Engineer will provide general maintenance guides to the Contractor for the practices associated with this project. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacture's specifications.

Erosion and sediment control measures should be inspected at least once a week and after any rainfall event of greater than 0.5 inches or equivalent snowfall. The contractor is responsible for maintenance of the erosion control system.

IV. Inspections

Qualified personnel shall inspect disturbed areas of the construction site which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report (BC 2259). Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm or by the end of the following business or work day that is 0.5 inch or greater or equivalent snowfall.

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer shall notify the appropriate IEPA Field Operations Section office by e-mail at: epa.swnoncomp@illinois.gov, telephone or fax within twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of non-compliance shall be signed by a responsible authority in accordance with Part VI. G of the Permit ILR10.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

Additional Inspections Required:

V. Failure to Comply

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the Contractor and/or penalties under the Permit ILR10 which could be passed on to the Contractor.



Contractor Certification Statement

Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.G of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractors/subcontractor completing this form.

Route	Marked Route	Section
	South Michigan Avenue	
Project Number	County	Contract Number
	DuPage	

This certification statement is a part of SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

I certify under penalty of law that I understand the terms of the Permit No. ILR10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

In addition, I have read and understand all of the information and requirements stated in SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

- Contractor
- Sub-Contractor

Print Name	Signature
Title	Date
Name of Firm	Telephone
Street Address	City/State/Zip

Items which the Contractor/subcontractor will be responsible for as required in Section II.G. of SWPPP:

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Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Division of Water Pollution Control Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

For Office Use Only

Permit No. ILR10 _____

OWNER INFORMATION

Company/Owner Name: Village of Villa Park

Mailing Address: 20 S. Ardmore Ave

Phone: 630-834-8505

City: Villa Park State: IL Zip: 60181

Fax: 630-834-8509

Contact Person: Vydas Juskelis

E-mail: juskelis@invillapark.com

Owner Type (select one) City

MS4 Community: Yes No

CONTRACTOR INFORMATION

Contractor Name: _____

Mailing Address: _____ Phone: _____

City: _____ State: _____ Zip: _____ Fax: _____

CONSTRUCTION SITE INFORMATION

Select One: New Change of information for: ILR10 _____

Project Name: 2018 South Michigan Avenue Improvement Project (Jack-Mad) County: DuPage

Street Address: South of Michigan and Madison City: Villa Park IL Zip: 60181

Latitude: 41 52 30 Longitude: 87 59 07 S16 139N R11E
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

Approximate Construction Start Date Oct-2017 Approximate Construction End Date Jun-2017

Total size of construction site in acres: 1.5

If less than 1 acre, is the site part of a larger common plan of development?
 Yes No

Fee Schedule for Construction Sites:
Less than 5 acres - \$250
5 or more acres - \$750

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Has the SWPPP been submitted to the Agency? Yes No

(Submit SWPPP electronically to:)

Location of SWPPP for viewing: Address: _____ City: _____

SWPPP contact information: _____ Inspector qualifications: _____

Contact Name: _____

Phone: _____ Fax: _____ E-mail: _____

Project inspector, if different from above _____ Inspector qualifications: _____

Inspector's Name: _____

Phone: _____ Fax: _____ E-mail: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

INSTRUCTIONS FOR COMPLETION OF CONSTRUCTION ACTIVITY NOTICE OF INTENT (NOI) FORM

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the upper right hand corner of the first page.

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at:

Illinois Environmental Protection Agency Division of Water Pollution Control Permit Section Post Office Box 19276 Springfield, Illinois 62794-9276 or call (217) 782-0610

FAX: (217) 782-9891

Or submit electronically to:

Reports must be typed or printed legibly and signed.

Any facility that is not presently covered by the General NPDES Permit for Storm Water Discharges From Construction Site Activities is considered a new facility.

If this is a change in your facility information, renewal, etc., please fill in your permit number on the appropriate line, changes of information or permit renewal notifications do not require a fee.

NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

Use the formats given in the following examples for correct form completion.

	Example	Format		
Section	12	1 or 2 numerical digits	Township	12N
		numerical digits followed by "N" or "S"	Range	12W
		digits followed by "E" or "W"		1 or 2 numerical

For the Name of Closest Receiving Waters, do not use terms such as ditch or channel. For unnamed tributaries, use terms which include at least a named main tributary such as "Unnamed Tributary to Sugar Creek to Sangamon River."

Submission of initial fee and an electronic submission of Storm Water Pollution Prevention Plan (SWPPP) for Initial Permit prior to the Notice of Intent being considered complete for coverage by the ILR10 General Permits. Please make checks payable to: Illinois EPA at the above address.

Construction sites with less than 5 acres of land disturbance - fee is \$250.

Construction sites with 5 or more acres of land disturbance - fee is \$750.

SWPPP should be submitted electronically to: . When submitting electronically, use Project Name and City as indicated on NOI form.

ADDENDUM NO. 1

DATE: October 5, 2017

FROM: Village of Villa Park Public Works Department

TO: All Planholders

PROJECT: **2018 South Michigan Avenue Improvement Project (Jackson to Madison)**

The Bidding Documents for the subject project are hereby amended as follows. The attached Acknowledgement Form must be filled out and returned with your Bid.

CHANGE THE FOLLOWING ITEM(S) IN THE SPECIFICATIONS:**IN "NOTICE TO BIDDERS":****REPLACE:**

Replace Page 2 of 6 of the BLR 12200 form with the attachment included in this addendum. The revisions made to this page are as follows:

Sealed proposals for the improvement described below will be received at the office of Public Works Department, 11 West Home Ave, Villa Park, IL 60181 until 10:00 AM on **October 31, 2017.**

Sealed proposals will be opened and read publicly at the office of Public Works Director, 11 West Home Ave, Villa Park, IL 60181 at 10:00 AM on **October 31, 2017.**

END OF ADDENDUM NO. 1

FOR INFORMATION ONLY

DATE: October 5, 2017

FROM: Village of Villa Park Public Works Department

TO: All Planholders

PROJECT: **2018 South Michigan Avenue Improvement Project (Jackson to Madison)**

The following information related to the subject project is provided for informational purposes only, and does not change or modify the Bidding Documents in any way.

The Village of Villa Park will be contracting for the completion of soil borings on South Michigan Avenue between Jackson Street and Madison Street. The results of the soil borings will be made publicly available on the project page on the Village's website upon completion. Planholders will be notified of the publication of the results of the soil borings on the Village's website by a subsequent addendum in advance of the bid opening deadline.

NOTICE TO BIDDERS

County DuPage
 Local Public Agency Villa Park
 Section Number N/A
 Route South Michigan Ave

Sealed proposals for the improvement described below will be received at the office of Public Works Department,
11 West Home Ave, Villa Park, IL 60181 until 10:00 AM on October 31, 2017
 Address Time Date

Sealed proposals will be opened and read publicly at the office of Public Works Director
11 West Home Ave, Villa Park, IL 60181 at 10:00 AM on October 31, 2017
 Address Time Date

DESCRIPTION OF WORK

Name South Michigan Ave Length: 1336.00 feet (0.25 miles)
 Location South Michigan Ave from West Jackson St to West Madison St
 Proposed Improvement pavement/driveway/C&G/sidewalk remove and replace; storm sewer installation; earth ex;
agg.subgrade improvements; structure removal and adjustments; drainage improvements; HMA paving; and restoration.

1. Plans and proposal forms will be available in the office of Village of Villa Park Public Works Department
11 West Home Ave, Villa Park, IL 60181 630-834-8505
 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.

**ADDENDUM NO. 1
ACKNOWLEDGMENT FORM**

I/We hereby acknowledge receipt of the following documents pertaining to **ADDENDUM No. 1** to the Bidding Documents for the Village of Villa Park's **2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)**.

Addendum No. 1	1 page
For Information Only	1 page
Attachment (Revised BLR 12200 Page 2 of 6)	1 page
Acknowledgment Form	1 page
TOTAL	4 pages

Name: _____

Title: _____

Company: _____

Signature: _____

Date: _____

ADDENDUM NO. 2

DATE: October 24, 2017

FROM: Village of Villa Park Public Works Department

TO: All Planholders

PROJECT: **2018 South Michigan Avenue Improvement Project (Jackson to Madison)**

The Bidding Documents for the subject project are hereby amended as follows. The attached Acknowledgement Form must be filled out and returned with your Bid.

GEOTECHNICAL INVESTIGATION

Included in this addendum is the Geotechnical Investigation by Soil and Material Consultants, Inc. for the project.

CHANGE THE FOLLOWING ITEM(S) IN THE PLANS:

REPLACE:

Replace Page 3 of the Plans with the attachment included in this addendum. The revisions were made to the quantities for pay item numbers 6, 7, and 14. The revisions are bubbled on the plan sheet.

CHANGE THE FOLLOWING ITEM(S) IN THE SPECIFICATIONS:

IN "SCHEDULES OF PRICES BLR 12200a":

REPLACE:

Replace sheet 4-1 for Alternative 1 and Alternative 2 with the attachments included in this addendum. The revisions were made to the quantities for pay item numbers 6, 7, and 14.

IN "GENERAL SPECIAL PROVISIONS":

REPLACE:

Replace Page 16 of the General Special Provisions with the attachment included in this addendum. The revisions were made to the Trench Backfill and Pipe Bedding section and are as follows:

All trench backfill and pipe bedding materials furnished under this contract shall be virgin, non-recycled materials.

Trench backfill shall be CA-6 and installed per Method 1 outlined in section 550.07 of the Standard Specifications. Pipe bedding shall be CA-7 or CA-11 and installed per section 550.04 of the Standard Specifications.

IN "PAY ITEM SPECIAL PROVISIONS":

REPLACE:

Replace Pages 34 and 35 of the Pay Item Special Provisions with the attachment included in this addendum. The revisions were made to Section (b) Water Service for Pay Items #34 and #35. The changes for each Pay Item are as follows:

- (b) Water Service- This work shall be completed in accordance with the applicable portions of the latest edition of the "Standard Specifications for Water and Sewer Main Construction in Illinois" and the requirements of the Owner of the Water Service, and shall consist of the repair of residential water service lines when disturbed by other construction crossing the service line. All materials shall be per the ~~Pay Item #40~~ Water Service Connection Special Provision. **If a service is copper it shall be spliced with flared couplings at the location of disturbance.** If a service is lead it shall be replaced from the water main to b-box and paid for as WATER SERVICE CONNECTION, 1".

REPLACE:

Replace Page 39 of the Pay Item Special Provisions with the attachment included in this addendum. The revisions were made to Pay Item #45-46 and are as follows:

Materials. The pipe drains shall be PVC SDR 26 ASTM D-2241 pipe.

END OF ADDENDUM NO. 2

**ADDENDUM NO. 2
ACKNOWLEDGMENT FORM**

I/We hereby acknowledge receipt of the following documents pertaining to **ADDENDUM No. 2** to the Bidding Documents for the Village of Villa Park's **2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)**.

Addendum No. 2	2 pages
Attachments	
1. Geotechnical Investigation	12 pages
2. Plan Sheet (Sheet 3 of 34)	1 page
3. Bid Book Sheets	6 pages
Acknowledgment Form	1 page
TOTAL	22 pages

Name: _____

Title: _____

Company: _____

Signature: _____

Date: _____

**SOIL AND MATERIAL CONSULTANTS, INC.**

Office: 847-870-0544
Fax: 847-870-0661
us@soilandmaterialconsultants.com
www.soilandmaterialconsultants.com

October 19, 2017
File No. 23602

Mr. Jeremie Lukowicz, P.E.
Village of Villa Park
Public Works Department
11 W. Home Avenue
Villa Park, IL 60181

Re: Geotechnical Investigation
Michigan Avenue
Jackson Street to Madison Street
Villa Park, Illinois

Dear Mr. Lukowicz:

The following is our report of findings for the geotechnical investigation completed along Michigan Avenue between Jackson Street and Madison Street located in the Village of Villa Park, Illinois.

The investigation was requested to determine current subsurface soil and water conditions at select boring locations. The findings of the field investigation and the results of laboratory testing are intended to assist in the planning, design and construction of proposed site improvements. We understand it is proposed to reconstruct the pavement along Michigan Avenue and install new underground utilities.

SCOPE OF THE INVESTIGATION

The field investigation included obtaining 5 borings at the locations requested and as indicated on the enclosed location sketch. The boring locations were established using field taping methods and accuracy.

We auger drilled the borings to depths of 25.0 feet below existing surface elevations. Soil samples were obtained using a split barrel sampler advanced utilizing an automatic SPT hammer. Soil profiles were determined in the field and soil samples returned to our laboratory for additional testing including determination of moisture content. Cohesive soils obtained by split barrel sampling were tested further to determine dry unit weight and unconfined compressive strength.

The results of all field determinations and laboratory testing are included in summary with this report.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORINGS • SITE INVESTIGATIONS • PAVEMENT INVESTIGATIONS • GEOTECHNICAL ENGINEERING
TESTING OF • SOIL • ASPHALT • CONCRETE • MORTAR • STEEL

File No. 23602
Re: Michigan Avenue – Jackson Street to Madison Street
Village Park, Illinois

Page 2

RESULTS OF THE INVESTIGATION

Enclosed are boring logs indicating the conditions encountered at each location. The existing pavement consisted of 2.0 inches to 2.5 inches of bituminous concrete over 7.0 inches to 8.0 inches of concrete pavement. Topsoil was present below the pavement at borings 1, 2 and 4. The topsoil was found extending to depths of 1.5 feet at borings 1 and 2 and to 2.0 feet at boring B-4.

Fill soil conditions were encountered at boring B-3 which is likely the result of trench backfill. Composition of the fill includes the presence of clay/silt mixtures extending to a depth of 7.0 feet. The limits of fill placement were not determined within the scope of this investigation. Larger debris may also be present within the fill but was not encountered during the investigation.

Underlying natural soil conditions consist primarily of cohesive soils. These are classified as tough to hard clay/silt mixtures with lesser portions of sand and gravel. Thinner seams of non-cohesive soils were also encountered as indicated at borings B-2, B-4 and B-5. These include loose to medium dense sand, silt/clay, and silt/sand/clay mixtures. The non-cohesive granular soils are often in a damp to very damp condition. Cobbles and boulders may be present within the site soils at any elevation, although none were encountered while drilling.

The following table summarizes depth ranges below existing grade, the magnitude of soil strength within these ranges and other information:

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Re: Michigan Avenue – Jackson Street to Madison Street
Village Park, Illinois

<u>Boring</u>	<u>Depth Range Below Existing Surface (feet)</u>	<u>Soil Strength (lbs./sq.ft.)</u>	<u>Recorded Water Levels, W.D./A.D. (feet)</u>
1	2.0 to 7.0	3,000	dry/dry
	7.0 to 12.0	5,000	
	12.0 to 22.0	4,000	
2	2.0 to 8.0	5,000	12.0/10.5
	8.0 to 22.0	3,000	
3	1.0 to 7.5	*2,000	6.5/6.5
	7.5 to 22.0	3,000	
4	2.5 to 6.0	3,000	dry/dry
	6.0 to 10.0	8,000	
	10.0 to 16.0	5,000	
	16.0 to 21.5	3,000	
	21.5 to 22.0	6,000	
5	1.0 to 4.0	4,000	11.5/13.0
	4.0 to 8.0	6,000	
	8.0 to 12.5	3,000	
	12.5 to 15.0	4,000	
	15.0 to 21.5	3,000	
	21.5 to 22.0	5,000	

* Not recommended for support of utilities.

Undercuts and utilities supported on coarse crushed stone fill may be needed to reduce the magnitude of long-term total and differential settlement.

The boring logs and the above table indicate the depth at which subsurface water was encountered in the bore holes at the time of the drilling operations and during the period of these readings. It is expected that fluctuations from the water levels recorded will occur over a period of time due to variations in rainfall, temperature, subsurface soil conditions, soil permeability and other factors not evident at the time of the water level measurements.

The levels recorded at boring B-3 indicate a perched water condition. Perched water is primarily surface precipitation falling on this site or adjacent properties and which becomes trapped in pervious soil that is underlaid by relatively impervious soil. This water often flows laterally along a path of least resistance such as non-cohesive soil strata, drain tile or other permeable medium. This water will also drain from the embankments of open excavations. The actual ground water condition is expected to be present in well defined granular soil layers located at deeper elevations.

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Re: Michigan Avenue – Jackson Street to Madison Street
Village Park, Illinois

Page 4

PAVEMENT RECONSTRUCTION

The complete reconstruction of Michigan Avenue would include the removal of all the existing pavement materials. The subgrade would then be excavated to the design elevation, compacted and proof rolled. Any areas of buried topsoil and/or unstable soils will most likely require removal and replacement with large crushed aggregate, possibly in conjunction with the use of an appropriate geotextile fabric. Without knowledge of the new design pavement section we would anticipate undercuts in the areas of buried topsoil and possibly existing utility trenches.

Underdrains are recommended to be installed in order to assist with drainage and alleviate potential frost heave. The new aggregate base would then be placed and compacted followed by the placement of the designed thickness of bituminous concrete binder and bituminous concrete surface courses.

SEWER SUPPORT

The soils encountered at the boring location should provide adequate support of underground utilities. The bedding for the sewer pipe can be supported on the undisturbed natural soils located below all topsoil, unsuitable fill soils, low strength soils and other unsuitable conditions which may be encountered. Soil strength values and the depths at which they are expected to be encountered at these boring locations are indicated in the above table.

In the unimproved areas, the trench excavation can be backfilled with the suitable non-organic soils from the trench. In the improved areas, such as under pavements and sidewalks, the trench should be backfilled with compacted crushed granular fill (CA06). The backfill should be placed in lifts not to exceed 12.0 inches when uncompacted. Each lift should exceed the minimum compaction requirement prior to the placement of the next lift. We would recommend a minimum of 95% compaction based on the modified Proctor test, ASTM D-1557, be achieved in the pavement and sidewalk areas and a minimum of 85% in the unimproved areas.

DEWATERING

Excavations may require dewatering due to subsurface water seepage and/or surface precipitation. This water can likely be removed to depths of several feet by standard sump and pump operations. Soils exposed at subgrade or pipe-bedding elevations should not be permitted to become saturated. Loss of bearing strength and stability may occur, requiring additional soil excavation.

Organic soils, fill soils, cohesive soils and others can be unstable when saturated. These soils tend to cave or run when submerged or disturbed. The stability of exposed embankments is minimal to non-existent as confining soil pressures are removed. Proper drainage within excavations is necessary at all times, particularly when excavations extend below anticipated water levels and below saturated soils.

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Re: Michigan Avenue – Jackson Street to Madison Street
Village Park, Illinois

The contractor should be made responsible for designing and constructing stable temporary excavations. Also, the contractor should shore, slope, bench or restrain the sides of the excavations as required to maintain stability of both the excavation sides and bottom. In no case, should the slope, slope heights, or excavation depth exceed those in the local, state, and federal safety regulations.

CONCLUSION

The information within this report is intended to provide initial information concerning subsurface soil and water conditions on the site. Variations in conditions are expected to be present between boring locations due to naturally changing and filled conditions.

Our understanding of the proposed improvements is based on very limited information available to us at the writing of this report. The findings of the investigation and the recommendations presented are not considered applicable to significant changes in the scope of the improvements or applicable to alternate site uses. We recommend that proposed pavement and utility plans be reviewed by our office to determine if additional considerations are necessary to address anticipated subsurface conditions.

The soils exposed during subgrade preparation should be evaluated for suitability prior to placement of granular base, as previously indicated in this report. Soils and aggregates placed as structural fill should be tested as the work progresses to verify that minimum compaction requirements have been met.

If you have any questions concerning the findings or recommendations presented in this report, please let me know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.



Thomas P. Johnson, P.E.
President

TPJ:ek
Enc.

cc: Mr. Kevin Mantels – Village of Villa Park



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF VILLA PARK		
Project:	MICHIGAN AVE. – JACKSON AVE. to MADISON ST.		
Location:	VILLA PARK, ILLINOIS		
File No.	23602	Date: 10-17-17	Scale: NONE



SOIL AND MATERIAL CONSULTANTS, INC.

SOIL BORING LOG 1

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Logged By: DA

Page: 1 of 1

Client: Village of Villa Park

File No. 23602

Date Drilled: 10/17/17

Reference: Michigan Avenue
Jackson St. to Madison St.
Villa Park, IL

Comments:

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other
	CLASSIFICATION
Elevation	Existing Surface
	(a, b & c) see below
	Brown clay, some silt, trace sand & gravel damp, very tough
5	Brown clay, some silt, trace sand & gravel damp, very tough to hard
10	Gray clay, some silt, trace sand & gravel, damp, very tough
15	
20	
25	End of Boring
30	(a) Bituminous concrete - 2.0" (b) Concrete - 8.0" (c) Black silt, some clay, trace sand, damp, loose (topsoil)
35	
40	

standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	unconfined compressive strength, tons/sq. ft.				penetrometer reading, tons/sq. ft.				
X	Δ	γ	○	1.0	2.0	3.0	4.0	10	20	30	40	
7	23.2 22.4											
6	16.2	114.7	1.8									
9	19.4	108.8	3.3									
17	15.4	117.9	6.8									
8	15.2	119.4	2.8									
10	15.3	119.7	3.7									
10	15.1	118.3	2.7									
9	23.2	105.5	2.0									
9	17.1	115.9	3.6									
11	18.2	115.8	2.1									

Water encountered at dry feet during drilling operations (W.D.)
 Water recorded at dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)



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8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG 2

Logged By: DA

Page: 1 of 1

Client: Village of Villa Park

File No. 23602

Date Drilled: 10/17/17

Reference: Michigan Avenue
Jackson St. to Madison St,
Villa Park, IL

Comments:

Equipment: CME 45B CME 55 Hand Auger Other

CLASSIFICATION

Elevation Existing Surface

(a, b & c) see below

Brown-gray clay, some silt, trace sand & gravel, damp, very tough to hard

Gray clay, some silt, trace sand & gravel, damp, very tough
(thin sand seam at 12.0')

Gray clay, some silt, trace sand & gravel, damp, tough to very tough

Gray clay, some silt, trace sand & gravel, damp, tough

Gray clay, some silt, trace sand & gravel, damp, tough

Gray clay, some silt, trace sand & gravel, damp, tough

Gray clay, some silt, trace sand & gravel, damp, tough

End of Boring

(a) Bituminous concrete - 2.0"

(b) Concrete - 7.0"

(c) Black silt, some clay, trace sand, damp, loose (topsoil)

depth, ft.	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	Legend			
					○ unconfined compressive strength, tons/sq. ft.	● penetrometer reading, tons/sq. ft.	× standard penetration "N", blows/ft.	△ moisture content, %
Elevation	Existing Surface	△	⊗	○	1.0	2.0	3.0	4.0
10	10	25.5 21.4	24.5 102.1	3.3				
5	6	21.3	103.6	3.3				
	7	20.4	106.7	2.5				
10	12	16.7	114.3	5.7				4.1
	8	21.7	105.5	2.2				
15	10	15.9	119.1	1.5				
	14	18.4	114.2	1.8				
20	15	18.2	120.6	2.9				
	11	18.6	120.5	1.4				
25	13	17.8	118.6	1.5				

Water encountered at 12.0 feet during drilling operations (W.D.)
 Water recorded at 10.5 feet on completion of drilling operations (A.D.)
 Water recorded at _____ feet _____ hours after completion of drilling operations (A.D.)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG

3

Logged By: DA

Page: 1 of 1

Client: Village of Villa Park

File No. 23602

Date Drilled: 10/17/17

Reference: Michigan Avenue
 Jackson St. to Madison St.
 Villa Park, IL

Comments:

Equipment: CME 45B CME 55 Hand Auger Other

CLASSIFICATION

Elevation Existing Surface

(a & b) see below

7 Brown-dark brown-black clay, some silt, trace sand & gravel, damp-very damp, very tough - Fill

5 6 Brown-dark brown-black clay, some silt, trace sand & gravel, damp-very damp, tough Fill (possible drain tile)

14 18.6 106.8 2.7
 18.1 116.5 4.3
 14 Brown clay, some silt, trace sand & gravel, damp, hard

10 13 Gray clay, some silt, trace sand & gravel, damp-very damp, hard

9 17.6 121.7 1.5
 10 15.9 120.4 1.7
 9 22.9 108.0 1.9
 10 15.4 124.6 1.2
 16 16.7 119.7 2.3
 25 11 Gray clay, some silt, trace sand & gravel, damp-very damp, tough

15 10 15.9 120.4 1.7

9 22.9 108.0 1.9

20 10 15.4 124.6 1.2

16 16.7 119.7 2.3

25 11 19.4 117.8 1.2

End of Boring

(a) Bituminous concrete - 2.5"
 (b) Concrete - 8.0"

30

35

40

depth, ft.	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	unconfined compressive strength, tons/sq. ft.				standard penetration "N", blows/ft.				moisture content, %			
	X	Δ	⊗	○	1.0	2.0	3.0	4.0	10	20	30	40	10	20	30	40
7		18.0	110.2	3.4	X	Δ	●	○								
5-6	X	18.7	108.7	1.9	X	Δ	●									
14		18.6	106.8	2.7		Δ	●	○								3
14		18.1	116.5	4.3		Δ	●	○								3
10-13	X	15.8	128.1	4.7	X	Δ	●									3
9-10	X	17.6	121.7	1.5	X	Δ	●									
10-15	X	15.9	120.4	1.7	X	Δ	●									
9-10	X	22.9	108.0	1.9	X	Δ	●									
10-16	X	15.4	124.6	1.2	X	Δ	●									
16-25		16.7	119.7	2.3		Δ	●	○								
25-11	X	19.4	117.8	1.2	X	Δ	●									

Water encountered at 6.5 feet during drilling operations (W.D.)
 Water recorded at 6.5 feet on completion of drilling operations (A.D.)
 Water recorded at _____ feet _____ hours after completion of drilling operations (A.D.)



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8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG _____ 4 _____

Logged By: DA

Page: 1 of 1

Client: Village of Villa Park

File No. 23602

Date Drilled: 10/17/17

Reference: Michigan Avenue
Jackson St. to Madison St.
Villa Park, IL

Comments:

Equipment: CME 45B CME 55 Hand Auger Other

CLASSIFICATION

Elevation Existing Surface

(a & b) see below

(c) see below

7-5 Brown-gray clay, some silt, trace sand & gravel, damp, tough to very tough

5-11 Brown clay, some silt, trace sand & gravel, damp, hard

10-12 Gray clay, some silt, trace sand & gravel, damp, hard

15-8 Gray clay, some silt, trace sand & gravel, damp, very tough

20-8 Gray silt, some clay, trace sand & gravel, damp, loose

9 Gray clay, some silt, trace sand & gravel, damp, very tough

25-11 End of Boring

(a) Bituminous concrete - 2.0"

(b) Concrete - 8.0"

30- (c) Black silt, some clay, trace sand, damp, loose (topsoil)

35-

40-

depth, ft.	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	
	X	Δ	γ	○	
7-5	7	30.0 23.6			X ● Δ Δ
5-11	5	25.1	97.9	2.4	X ● Δ
	11	17.4	111.9	5.3	X Δ ● ○ 5.3
10-12	12	15.4	117.7	4.8	X Δ ● ○ 4.8
	10	14.3	116.2	5.8	X Δ ● ○ 5.8
15-8	8	15.0	118.7	3.8	X Δ ● ○
	8	15.3	123.0	2.8	X Δ ● ○
	8	24.2 13.7	101.5	2.5	X Δ ● Δ ○
9	9	18.4	115.2	3.3	X Δ ● ○
25-11	11	18.4	115.4	3.3	X Δ ● ○

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0
X standard penetration "N", blows/ft.
Δ moisture content, %
10 20 30 40

Water encountered at dry feet during drilling operations (W.D.)
Water recorded at dry feet on completion of drilling operations (A.D.)
Water recorded at feet hours after completion of drilling operations (A.D.)



SOIL BORING LOG 5

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Logged By: DA

Page: 1 of 1

Client: Village of Villa Park

File No. 23602

Date Drilled: 10/17/17

Reference: Michigan Avenue
Jackson St. to Madison St.
Villa Park, IL

Comments:

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other CLASSIFICATION Elevation Existing Surface (a & b) see below Brown-gray clay, some silt, trace sand & gravel, damp, hard to very hard (c) see below Gray clay, some silt, trace sand & gravel, damp, very tough Gray sand & silt, some clay, trace gravel, very damp, loose Gray clay, some silt, trace sand & gravel, damp, very tough End of Boring (a) Bituminous concrete - 2.5" (b) Concrete - 7.5" (c) Gray silt, some sand & clay, trace gravel, damp-very damp, medium dense
------------	---

	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength				
	X	Δ	γ	○	○	●	X	Δ
					unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0 X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
7		17.0	111.9	4.1	X	Δ	●	○
10		18.0	112.4	4.3	X	Δ	●	○
12		18.1	111.4	4.9	X	Δ		○
17		16.4	114.4	9.2	X	Δ		○
11		13.2	112.0	2.2	X	Δ	●	○
10		18.1	112.0	2.2	X	Δ	●	○
15		15.4	118.0	2.9	X	Δ	●	○
9		15.7	116.1	2.4	X	Δ	●	○
8		18.5			X	Δ		○
13		14.8	120.4	3.1	X	Δ	●	○
15		15.8	114.1	2.4	X	Δ	●	○

Water encountered at 11.5 feet during drilling operations (W.D.)
 Water recorded at 13.0 feet on completion of drilling operations (A.D.)
 Water recorded at _____ feet _____ hours after completion of drilling operations (A.D.)



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GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

<u>Term</u>	<u>Qu-tons.sq.ft.</u>	<u>N (unreliable)</u>
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 – 15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

<u>Term</u>	<u>N – blows/foot</u>
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

<u>Term</u>	<u>Size Range</u>
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm

Modifying Term Percent by Weight

Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

Moisture Content

Dry
Damp
Very Damp
Saturated

DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

CF	- Continuous Flight Auger
HS	- Hollow Stem Auger
HA	- Hand Auger
RD	- Rotary Drilling
AX	- Rock Core, 1-3/16 in. diameter
BX	- Rock Core, 1-5/8 in. diameter
NX	- Rock Core, 2-1/8 in. diameter
S	- Sample Number
T	- Type of Sample
J	- Jar
AS	- Auger Sample
SS	- Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST	- Shelby Tube (2 in. O.D. w/with 1-7/8 in. I. D.)
R	- Recovery Length, in.
B	- Blows/6 in. interval, Standard Penetration Test (SPT)
N	- Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen.	- Pocket Penetrometer readings, tons/sq.ft.
W	- Water Content, % dry weight
Uw	- Dry Unit Weight of soil, lbs./cu.ft.
Qu	- Unconfined Compressive Strength, tons/sq.ft.
Str	- % Strain at Qu.
WL	- Water Level
WD	- While Drilling
AD	- After Drilling
DCI	- Dry Cave-in.
WCI	- Wet Cave-in.
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index (LL-PL)
LI	- Liquidity Index [(W-PL)/PI]

SP	ITEM NO.	IDOT REF. NO.	ITEM	UNIT	ALT 1	ALT 2
	1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	129	129
	2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	176	176
	3	20101000	TEMPORARY FENCE	FOOT	1,080	1,080
*	4	20101200	TREE ROOT PRUNING	EACH	18	18
	5	20200100	EARTH EXCAVATION	CU YD	432	432
	6	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400	400
	7	20700220	POROUS GRANULAR EMBANKMENT	CU YD	0	0
	8	20800150	TRENCH BACKFILL	CU YD	6,580	5,307
	9	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	3,938	3,938
*	10		PAVEMENT RESTORATION	SO YD	2,322	2,322
	11	25200200	SUPPLEMENTAL WATERING	UNIT	96	96
	12	28000400	PERIMETER EROSION BARRIER	FOOT	200	200
*	13	28000510	INLET FILTERS	EACH	28	28
*	14	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	400	400
	15	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	4,711	4,711
*	16		TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1
*	17		TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	35	35
*	18		TEMPORARY ACCESS (ROAD)	EACH	5	5
*	19	40300200	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	10,632	10,632
	20	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0L NSO	TON	883	883
	21	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSO	TON	442	442
	22	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	31	31
*	23	20004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SO YD	287	287
*	24	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SO YD	328	328
*	25	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SO YD	88	88
*	26	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5"	SO FT	7,605	7,605
*	27	42400800	DETECTABLE WARNINGS	SO FT	180	180
*	28	44000100	PAVEMENT REMOVAL	SO YD	3,970	3,970
	29	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2 INCH	SO YD	7	7
*	30	44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	691	691
	31	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,817	2,817
	32	44000600	SIDEWALK REMOVAL	SO FT	7,347	7,347
	33	55040410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	61	40
*	34	55040790	STORM SEWERS, CLASS A, TYPE 3 54"	FOOT	0	1,316
*	35	55040820	STORM SEWERS, CLASS A, TYPE 3 72"	FOOT	1,316	0
	36	55042520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	286	286
	37	55100200	STORM SEWER REMOVAL 6"	FOOT	159	159
	38	55100300	STORM SEWER REMOVAL 8"	FOOT	132	132

SP	ITEM NO.	IDOT REF. NO.	ITEM	UNIT	ALT 1	ALT 2
	39	55100500	STORM SEWER REMOVAL 12"	FOOT	231	231
	40	55100700	STORM SEWER REMOVAL 15"	FOOT	21	21
	41	55100900	STORM SEWER REMOVAL 18"	FOOT	65	65
	42	55101200	STORM SEWER REMOVAL 24"	FOOT	26	26
*	43	56104900	WATER VALVES 6"	EACH	1	1
*	44		WATER SERVICE CONNECTION, 1"	EACH	2	2
*	45	60100905	PIPE DRAINS 4"	FOOT	16	16
*	46	60100905	PIPE DRAINS 6"	FOOT	100	100
	47	60200105	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE I FRAME, OPEN LID	EACH	7	7
	48	60218400	MANHOLES, TYPE A, 4' DIAMETER, TYPE I FRAME, CLOSED LID	EACH	1	1
*	49		PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE I FRAME AND GRATE, CLOSED LID	EACH	2	0
*	50		PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE I FRAME AND GRATE, CLOSED LID	EACH	0	2
*	51		PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE I FRAME AND GRATE, OPEN LID	EACH	1	0
*	52		PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE I FRAME AND GRATE, OPEN LID	EACH	0	1
*	53		PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE II FRAME AND GRATE	EACH	5	0
*	54		PRECAST 4' DIA "T" MANHOLES FOR 54" PIPE STORM SEWER, TYPE II FRAME AND GRATE	EACH	0	5
	55	60236800	INLETS, TYPE A, TYPE II FRAME AND GRATE	EACH	6	6
*	56	60249900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	1	1
	57	60255500	MANHOLES TO BE ADJUSTED	EACH	7	7
	58	60255800	MANHOLE TO BE ADJUSTED WITH NEW TYPE I FRAME, CLOSED LID	EACH	1	1
	59	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	4	4
	60	60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE I FRAME, CLOSED LID	EACH	2	2
	61	60260100	INLETS TO BE ADJUSTED	EACH	1	1
	62	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1
	63	60500040	REMOVING MANHOLES	EACH	11	11
*	64		SANITARY SERVICE PIPE REPLACEMENT	FOOT	100	100
*	65		SANITARY SERVICE CONNECTION	EACH	3	3
*	66		SANITARY SEWER SERVICE COMBINATION CLEANOUT CHECK VALVE	EACH	3	3
*	67	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6J2	FOOT	2,817	2,817
	68	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	162	162
	69	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	88	88
	70	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	60	60
*	71	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200
*	72	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
*	73	XX003688	PRECONSTRUCTION VIDEO RECORDING	L SUM	1	1
	74	20013186	CONSTRUCTION LAYOUT	L SUM	1	1
*	75		WATER USAGE CREDIT	TOTAL	100	100
*	76		WATER USAGE DEDUCTION	TOTAL	100	100
*	77		CONTINGENCY ALLOWANCE	DOLLAR	30,000	30,000

**2018 SOUTH MICHIGAN AVENUE
IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK, ILLINOIS**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

P.A. DATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			34	3
ILLINOIS FED. AID PROJECT			CONTRACT NO.	



USER NAME: k.gjurdak	DESIGNED: SJJ	REVISED: 10-24-2017
PLOT SCALE: 1/8" = 1'-0"	DRAWN: DRP	REVISED:
PLOT DATE: 10/23/2017	CHECKED: MJR	REVISED:
	DATE: 09-22-2017	REVISED:



**SCHEDULE OF PRICES
ALTERNATIVE 1**

County DuPage
 Local Public Agency Villa Park
 Section N/A
 Route South Michigan Ave

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

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

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	129		
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	176		
3	TEMPORARY FENCE	FOOT	1,080		
4	TREE ROOT PRUNING	EACH	18		
5	EARTH EXCAVATION	CU YD	432		
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400		
7	POROUS GRANULAR EMBANKMENT	CU YD	0		
8	TRENCH BACKFILL	CU YD	6,580		
9	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,938		
10	PARKWAY RESTORATION	SQ YD	2,322		
11	SUPPLEMENTAL WATERING	UNIT	96		
12	PERIMETER EROSION BARRIER	FOOT	200		
13	INLET FILTERS	EACH	28		
14	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	400		
15	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	4,711		
16	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1		
17	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	35		



**SCHEDULE OF PRICES
ALTERNATIVE 2**

County DuPage
 Local Public Agency Villa Park
 Section N/A
 Route South Michigan Ave

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

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

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	129		
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	176		
3	TEMPORARY FENCE	FOOT	1,080		
4	TREE ROOT PRUNING	EACH	18		
5	EARTH EXCAVATION	CU YD	432		
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400		
7	POROUS GRANULAR EMBANKMENT	CU YD	0		
8	TRENCH BACKFILL	CU YD	5,307		
9	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,938		
10	PARKWAY RESTORATION	SQ YD	2,322		
11	SUPPLEMENTAL WATERING	UNIT	96		
12	PERIMETER EROSION BARRIER	FOOT	200		
13	INLET FILTERS	EACH	28		
14	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	400		
15	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	4,711		
16	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1		
17	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	35		

**2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK**

(\$3,000.00) to the Village for the temporary use of said hydrant meter, which deposit will be held by the Village until such time that the meter is returned to the Village by the Contractor in satisfactory condition. Contractor shall use said hydrant meter when obtaining water, and shall comply with all conditions for the use of said meter. Contractor shall return the hydrant meter to the Village within 24 hours of project completion and within 24 hours of any request by the Village that the hydrant meter be returned.

If Contractor makes application for temporary use of a hydrant meter and the application is not approved, Contractor shall make record of the quantity of water obtained, along with the date and time obtained, and shall report such information after each use to the Village of Villa Park Public Works Department, 11 West Home Avenue. If such use takes place outside of the normal working hours of the Public Works Department, Contractor shall report such information immediately upon the commencement of normal working hours.

Contractor shall not use, operate or obtain water from any hydrants other than the hydrant prescribed. Contractor shall not obtain water from the Village for construction operations or activities not under contract with the Village.

If a water main break occurs and the Village determines that the water main break is a result of Contractor's use of a hydrant, the Village may require the Contractor to repair the water main break in accordance with all applicable construction standards and requirements and at no cost to the contract, or may repair the water main break by other means and invoice the Contractor for reimbursement of the Village's costs.

Water usage will be measured according to the Special Provisions WATER USAGE DEDUCTION and WATER USAGE CREDIT."

TRENCH BACKFILL AND PIPE BEDDING

All trench backfill and pipe bedding materials furnished under this contract shall be virgin, non-recycled materials.

Trench backfill shall be CA-6 and installed per Method 1 outlined in section 550.07 of the Standard Specifications. Pipe bedding shall be CA-7 or CA-11 and installed per section 550.04 of the Standard Specifications.

EXCAVATION AND BACKFILLING OF DRAINAGE AND UTILITY STRUCTURES

Excavation, bedding and backfilling of drainage and utility structures which are constructed, reconstructed, or adjusted as a part of this contract will not be paid for separately but shall be included in the cost of the items to which this work pertains.

2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK

crossing the service line, complete in place including CCTV inspection, excavation; bracing; trench dewatering; removal of existing building service lines; repair of service lines with PVC SDR 26 ASTM 2241 pipe and non-shear couplings; bedding and covering of pipe; and trench backfilling with trench backfill materials.

- (b) Water Service- This work shall be completed in accordance with the applicable portions of the latest edition of the "Standard Specifications for Water and Sewer Main Construction in Illinois" and the requirements of the Owner of the Water Service, and shall consist of the repair of residential water service lines when disturbed by other construction crossing the service line. All materials shall be per the Water Service Connection Special Provision. If a service is copper it shall be spliced with flared couplings at the location of disturbance. If a service is lead it shall be replaced from the water main to b-box and paid for as WATER SERVICE CONNECTION, 1".
- (c) Nicor Gas- Contractor shall coordinate with Nicor for the disconnection and reconnection of gas service lines that are disturbed by construction crossing the gas service line.

Materials. Pipe shall be Type 3 Concrete Sewer (fill heights greater than 10-feet and less than 15-feet) with a diameter of 54-inches per Section 1042 of the Standard Specifications.

Pipe Elbows shall be furnished and installed per section 542.08 of the Standard Specifications and will be included in the cost of the 54-inch storm sewer. Contractor shall provide a shop drawing for the 54-inch Elbow to the Village and Engineer for review and approval.

Construction. Installation shall be according to the Standard Specifications and as directed by the Engineer.

Per Village standards, trench backfill shall be CA-6 and installed per Method 1 outlined in section 550.07 of the Standard Specifications.

Method of Measurement. Storm sewers will be measured for payment in place in feet and in accordance with section 550.09 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price per linear foot for STORM SEWERS, CLASS A, TYPE 3 54".

2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK

PAY ITEM #35 – STORM SEWERS, CLASS A, TYPE 3 72”

Description. This work shall consist of installing 72-inch storm sewers. This work shall be in accordance with Section 550 of the Standard Specifications, except as modified herein.

All utility service disconnects and reconnects associated with the storm sewer installation will not be paid for separately but shall be included in the cost of the storm sewer. Utilities must be reconnected at the end of each working day. No overnight or weekend utility outages will be allowed.

Work shall include all excavation and disposal of material associated with the pipe installation in accordance with Section 202.03 of the Standard Specifications.

Utility disconnects and reconnects shall be performed per the following:

- (a) Sanitary Sewer Service- This work shall be completed in accordance with the applicable portions of the latest edition of the “Standard Specifications for Water and Sewer Main Construction in Illinois” and the requirements of the Owner of the Sanitary Sewer, and shall consist of the repair of sanitary sewer residential service lines when disturbed by other construction crossing the service line, complete in place including CCTV inspection, excavation; bracing; trench dewatering; removal of existing building service lines; repair of service lines with PVC SDR 26 ASTM 2241 pipe and non-shear couplings; bedding and covering of pipe; and trench backfilling with trench backfill materials.
- (b) Water Service- This work shall be completed in accordance with the applicable portions of the latest edition of the “Standard Specifications for Water and Sewer Main Construction in Illinois” and the requirements of the Owner of the Water Service, and shall consist of the repair of residential water service lines when disturbed by other construction crossing the service line. All materials shall be per the Water Service Connection Special Provision. If a service is copper it shall be spliced with flared couplings at the location of disturbance. If a service is lead it shall be replaced from the water main to b-box and paid for as WATER SERVICE CONNECTION, 1”.
- (c) Nicor Gas- Contractor shall coordinate with Nicor for the disconnection and reconnection of gas service lines that are disturbed by construction crossing the gas service line.

Materials. Pipe shall be Type 3 Concrete Sewer (fill heights greater than 10-feet and less than 15-feet) with a diameter of 72-inches per Section 1042 of the Standard Specifications.

2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT (JACKSON TO MADISON)
VILLAGE OF VILLA PARK

The Contractor shall install a non-shear mission coupling for all connections to the yard drains. The Contractor shall connect the pipe drain to the storm sewer as directed by the Engineer. The non-shear mission coupling and connection to the storm sewer will not be paid for separately but is to be included in the cost of this item.

The pipe drain is to have a diameter of 4" or 6" as specified on the plans or directed by the Engineer.

Materials. The pipe drains shall be PVC SDR 26 ASTM D-2241 pipe.

Basis of Payment. This work shall be measured and paid for at the contract unit price per linear foot as PIPE DRAIN 4" or PIPE DRAIN 6".

PAY ITEM #49, 51, 53 – PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, CLOSED LID

Description. This work shall consist of furnishing and installing Tee Section Manholes along the 72-inch storm sewer as specified in the construction drawings. This work shall be in accordance with Sections 602 and 550 of the Standard Specifications, except as modified herein.

Materials. Concrete tee base manholes shall be constructed in accordance with the Construction Details and with Section 542.08 of the Standard Specifications (Pipe Elbows, Tees, and Collars) and fabricated according to Article 1042.06 (Precast Concrete Pipe). The 4-foot diameter manhole sections shall be fabricated and installed in accordance with the requirements for an IDOT Standard 4-foot diameter Type A manhole. Contractor shall provide a shop drawing for Precast 4' Diameter "T" Manhole for 72" Pipe to OWNER and ENGINEER for review and approval.

Unless otherwise noted, an IDOT Type 1 Frame and Grate Closed Lid, IDOT Type 1 Frame and Grate Open Lid, or IDOT Type 11 Frame and Grate shall be installed per the construction plans.

Construction. Installation shall be according to the Standard Specifications and as directed by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per EACH for PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, CLOSED LID, PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 1 FRAME AND GRATE, OPEN LID, or PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 11 FRAME AND GRATE.

