



PROPOSAL SUBMITTED BY		
EarthWerks Land Improvement and Development Corp.		
Contractor's Name		
1240 Lyon Rd		
Street		P.O. Box
Batavia	IL	60510
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 2019 Jackson Pond Outlet
 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

OWNER COPY

CONTRACT

County DuPage
Local Public Agency Villa Park
Section Number N/A
Route Jackson Pond Outlet

1. THIS AGREEMENT, made and concluded the 25th day of March, 2019
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., 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:
Joanna Kopycky Clerk
(Seal)



The Village of Villa Park
By Albert Beuthius
Party of the First Part

(If a Corporation)
Corporate Name EarthWoods Land Improvement + Development Corporation
By [Signature] President Party of the Second Part

(If a Co-Partnership)

Partners doing Business under the firm name of

Party of the Second Part
(If an individual)

Party of the Second Part

Attest:
[Signature]
Secretary

OWNER COPY

CONTRACT

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Contract Bond

Route 2019 Jackson Pond Outlet
County DuPage
Local Agency Villa Park
Section N/A

Bond No. 0755934

We, EarthWerks Land Improvement and Development Corp.

1240 Lyon Road, Batavia, IL 60510

a/an) [] Individual [X] Co-partnership [] Corporation organized under the laws of the State of Illinois

as PRINCIPAL, and International Fidelity Insurance Company

One Newark Center, 20th Floor, Newark, NJ 07102

as SURETY,

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of

Three Hundred Five Thousand Seven Hundred Eighteen and No/100-----

----- Dollars (\$305,718.00), 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 5th day of March A.D. 2019

PRINCIPAL

Earthwerks Land Improvement and Development Corporation

(Company Name)

(Company Name)

By: Dan Davies (Signature & Title) President

By: (Signature & Title)

Attest: Dan Davies (Signature & Title) Secretary

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 DuPage

I, L. DAVIES, a Notary Public in and for said county, do hereby certify that

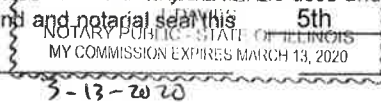
DAN DAVIES

(Insert names of individuals signing on behalf or 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 5th day of March A.D. 2019

My commission expires



(Signature of Notary Public)

(SEAL)

SURETY

International Fidelity Insurance Company (Name of Surety)

By: Carol A. Dougherty (Signature of Attorney-in-Fact)

STATE OF ILLINOIS,

COUNTY OF Cook

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

Carol A. Dougherty

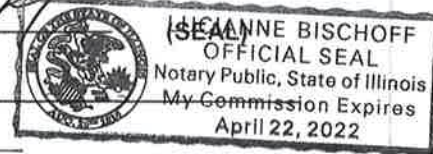
(Insert names of individuals signing on behalf or SURETY)

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 5th day of March A.D. 2019

My commission expires 04/22/22

(Signature of Notary Public)



Approved this 25th day of March A.D. 2019

Attest: (Signature of Village Clerk)

Village

Village of Villa Park

(Awarding Authority)

(Signature of Awarding Authority)

(Chairman/Mayor/President)



POWER OF ATTORNEY
INTERNATIONAL FIDELITY INSURANCE COMPANY
ALLEGHENY CASUALTY COMPANY

Bond # 0755934

One Newark Center, 20th Floor, Newark, New Jersey 07102-5207 PHONE: (973) 624-7200

KNOW ALL MEN BY THESE PRESENTS: That **INTERNATIONAL FIDELITY INSURANCE COMPANY**, a corporation organized and existing under the laws of the State of New Jersey, and **ALLEGHENY CASUALTY COMPANY** a corporation organized and existing under the laws of the State of New Jersey, having their principal office in the City of Newark, New Jersey, do hereby constitute and appoint

MEREDITH H. MIELKE, MIKE POHL, KIRK A. LISKIEWITZ, COURTNEY A. FLASKA, SAMANTHA BRADTKE, BRIEN SPODEN, J.S. POHL, JAMES L. SULKOWSKI, ROBERT B. SCHUTZ, SHERENE L. HEMLER, CAROL A. DOUGHERTY, STEPHEN L. WEBSTER, LUCIANNE BISCHOFF

Schaumburg, IL

their true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said **INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY**, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by their regularly elected officers at their principal offices.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of the By-Laws of **INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY** and is granted under and by authority of the following resolution adopted by the Board of Directors of **INTERNATIONAL FIDELITY INSURANCE COMPANY** at a meeting duly held on the 20th day of July, 2010 and by the Board of Directors of **ALLEGHENY CASUALTY COMPANY** at a meeting duly held on the 10th day of July, 2015 :

"**RESOLVED**, that (1) the Chief Executive Officer, President, Executive Vice President, Vice President, or Secretary of the Corporation shall have the power to appoint, and to revoke the appointments of, Attorneys-in-Fact or agents with power and authority as defined or limited in their respective powers of attorney, and to execute on behalf of the Corporation and affix the Corporation's seal thereto, bonds, undertakings, recognizances, contracts of indemnity and other written obligations in the nature thereof or related thereto; and (2) any such Officers of the Corporation may appoint and revoke the appointments of joint-control custodians, agents for acceptance of process, and Attorneys-in-fact with authority to execute waivers and consents on behalf of the Corporation; and (3) the signature of any such Officer of the Corporation and the Corporation's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seals when so used whether heretofore or hereafter, being hereby adopted by the Corporation as the original signature of such officer and the original seal of the Corporation, to be valid and binding upon the Corporation with the same force and effect as though manually affixed."

IN WITNESS WHEREOF, **INTERNATIONAL FIDELITY INSURANCE COMPANY** and
ALLEGHENY CASUALTY COMPANY have each executed and attested these presents
on this 31st day of December, 2018



STATE OF NEW JERSEY
County of Essex

Kenneth Chapman

Executive Vice President, International Fidelity Insurance Company and
Allegheny Casualty Company



On this 31st day of December, 2018, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said he is the therein described and authorized officer of **INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY**; that the seals affixed to said instrument are the Corporate Seals of said Companies; that the said Corporate Seals and his signature were duly affixed by order of the Boards of Directors of said Companies.



IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark,
New Jersey the day and year first above written.

Shirelle A. Outley a Notary Public of New Jersey
My Commission Expires April 4, 2023

CERTIFICATION

I, the undersigned officer of **INTERNATIONAL FIDELITY INSURANCE COMPANY** and **ALLEGHENY CASUALTY COMPANY** do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Sections of the By-Laws of said Companies as set forth in said Power of Attorney, with the originals on file in the home of said companies, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this day, March 05, 2019

Irene Martins, Assistant Secretary



VILLAGE OF VILLA PARK

CONTRACT DOCUMENTS

FOR

JACKSON POND OUTLET PROJECT

ISSUED FOR BID JANUARY 25, 2019

PREPARED BY



**7325 JANES AVENUE
WOODRIDGE, ILLINOIS 60517**



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**ADVERTISEMENT FOR BIDS
VILLAGE OF VILLA PARK
FRIDAY, JANUARY 25, 2019**

PROJECT: JACKSON POND OUTLET PROJECT

The Jackson Pond Outlet Project consists of the construction of approximately 1,100 feet of storm sewer beginning at Jackson Pond and connecting to existing storm sewers along Willow Crest Drive. The project includes the construction of new storm sewer within Village-owned property and along Leslie Lane and Willow Crest Drive, along with associated flared end sections, grates, manholes, catch basins, and inlets, restoration of existing asphalt and concrete pavements and sidewalks disturbed by construction; fine grading of the entire disturbed area; placement of topsoil; placement of sodding or seed and blanket; construction layout; traffic control and protection; and other necessary related and incidental work.

BID DEADLINE: TUESDAY, FEBRUARY 12, 2019, 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 **JACKSON POND OUTLET PROJECT** 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 Labor and Mechanical 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		
EarthWesur Land Improvement & Development Corporation		
1240 Lyon Rd		
Street	P.O. Box	
Batavia IL	60510	
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. 2019 Jackson Pond Outlet
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.

OWNER COPY

CONTRACT

RETURN WITH BID

NOTICE TO BIDDERS

County DuPage
Local Public Agency Villa Park
Section Number N/A
Route Jackson Pond Outlet

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 February 12, 2019

Sealed proposals will be opened and read publicly at the office of Public Works Department 11 West Home Ave, Villa Park, IL 60181 at 10:00 AM on February 12, 2019

DESCRIPTION OF WORK

Name 2019 Jackson Pond Outlet Length: 1800.00 feet (0.34 miles)
Location Jackson Middle School, Leslie Lane and Willow Crest Dr
Proposed Improvement Storm Sewer Installation; pavement/C&G/sidewalk/ remove and replace; storm sewer removal/installation; 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

- 2. Prequalification
If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and one original with the IDOT District Office.
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
a. BLR 12200: Local Public Agency Formal Contract Proposal
b. BLR 12200a Schedule of Prices
c. BLR 12230: Proposal Bid Bond (if applicable)
d. BLR 12325: Apprenticeship or Training Program Certification (do not use for federally funded projects)
e. BLR 12326: Affidavit of Illinois Business Office
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

RETURN WITH BID

PROPOSAL

County DuPage
 Local Public Agency Villa Park
 Section Number N/A
 Route Jackson Pond Outlet

1. Proposal of EarthWaters Land Improvement & Development Corporation
1240 Lyon Rd Babaria IL 60510
 for the improvement of the above section by the construction of Storm Sewer Installation;
pavement/C&G/sidewalk/ remove and replace; storm sewer removal/reinstallation;
HMA paving; restore

a total distance of 1100.00 feet, of which a distance of 1100.00 feet, (0.21 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 N/A working days or by N/A 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 (5% Bid Bond).

- 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.





SCHEDULE OF PRICES

County DuPage
 Local Public Agency Villa Park
 Section N/A
 Route Jackson Pond Outlet

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
--

Base Bid

Item No.	Items	Unit	Quantity	Unit Price	Total
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	18	12.	216.
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	166	18.	2988.
3	TEMPORARY FENCE	FOOT	112	2.	224.
4	TREE ROOT PRUNING	EACH	4	100.	400.
5	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	4	100.	400.
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	100	30.	3000.
7	TRENCH BACKFILL	CU YD	308	40.	12320.
8	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	65	10.	650.
9	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	1,340	6.	8040.
10	EROSION CONTROL BLANKET	SQ YD	980	1.30	1274.
11	PERIMETER EROSION BARRIER	FOOT	1,758	1.75	3076.50
12	INLET FILTERS	EACH	12	100.	1200.
13	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	35	10.	350.
14	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	500	10.	5000.
15	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	225	1.50	337.50
16	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	112	100.	11200.
17	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	56	100.	5600.
18	PORTLAND CEMENT CONCRETE SIDEWALK 5"	SQ FT	312	7.	2184.
19	DETECTABLE WARNINGS	SQ FT	20	38.	760.
20	PAVEMENT REMOVAL	SQ YD	500	4.	2000.
21	COMBINATION CURB AND GUTTER REMOVAL	FOOT	357	3.	1071.
22	SIDEWALK REMOVAL	SQ FT	312	1.	312.
23	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	6000.	6000.
24	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	4000.	4000.
25	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	4	4500.	18000.

26	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	5000.	5000.
27	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	2	5000.	10000.
28	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	6000.	12000.
29	NON-SPECIAL WASTE DISPOSAL	CU YD	4	100.	400.
30	STORM SEWER, CLASS A, TYPE 2 12"	FOOT	43	60.	2580.
31	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	33	80.	2640.
32	STORM SEWER, CLASS A, TYPE 2 24"	FOOT	319	100.	31900.
33	STORM SEWERS, CLASS A, TYPE 4 18"	FOOT	694	100.	69400.
34	ABANDON AND FILL EXISTING STORM SEWERS	L SUM	1	1000.	1000.
35	COMBINATION CONCRETE CURB AND GUTTER	FOOT	357	23.	8211.
36	CONTINGENCY ALLOWANCE	DOLLAR	30,000	30000.	30000.
37	PARKWAY RESTORATION	SQ YD	179	8.	1432.
38	PARK RESTORATION	SQ YD	2,702	1.	2702.
39	WATER USAGE DEDUCTION	T GAL	100	0.	0.
40	WATER USAGE CREDIT	T GAL	100	0.	0.
41	DRAINAGE RESTRICTOR	EACH	1	1000.	1000.
42	TEMPORARY ROADWAY PAVEMENT	SQYD	112	20.	2240.
43	REMOVE AND REPLACE SANITARY SEWER 10"	FOOT	30	150.	4500.
44	TELEVISION INSPECTION OF SEWER	FOOT	1,456	6.	8736.
45	WASHOUT BASIN	L SUM	1	2000.	2000.
46	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	4000.	4000.
47	PRE-CONSTRUCTION VIDEO RECORDING	L SUM	1	2000.	2000.
48	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	14	100.	1400.
49	CONSTRUCTION LAYOUT AND RECORD DRAWINGS	L SUM	1	12000.	12000.

Total Base Bid: 305,718.⁰⁰

* TOTAL ONE HUNDRED AND FIVE THOUSAND SEVEN HUNDRED AND EIGHTEEN DOLLARS ⁰⁰/₁₀₀ *



CONTRACTOR CERTIFICATIONS

County	<u>DuPage</u>
Local Public Agency	<u>Villa Park</u>
Section Number	<u>N/A</u>
Route	<u>Jackson Pond Outlet</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.

- 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.
- 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.

- 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.
- 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 Jackson Pond Outlet

(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 Earth/Water/Land Improvement & Development Corp
 Signed By [Signature]
 President
 Business Address 1240 LYON RD BATAVIA IL 60510

Inset Names of Officers

} President DAN DAVIES
 Secretary DAN DAVIES
 Treasurer DAN DAVIES

Attest:

[Signature]
 Secretary



Local Agency Proposal Bid Bond

RETURN WITH BID

Route 2019 Jackson Pond Outlet
County DuPage
Local Agency Villa Park
Section N/A

PAPER BID BOND

WE Earthwerks Land Improvement and Development Corporation as PRINCIPAL, and International Fidelity 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 12th day of February, 2019

Principal

Earthwerks Land Improvement and Development Corporation

(Company Name)

By:

DAN A. DAVIES (Signature and Title) President

(Company Name)

By:

(Signature and Title)

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

International Fidelity Insurance Company

(Name of Surety)

Surety

By:

Courtney A. Flaska (Signature of Attorney-in-Fact)

Courtney A. Flaska, Attorney in Fact

STATE OF ILLINOIS,

COUNTY OF

Kane

I,

L. DAVIES

, a Notary Public in and for said county,

do hereby certify that

DAN DAVIES, President

(Insert names of individuals signing on behalf of PRINCIPAL XXXXXX)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL XXXXXX 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 notary seal this 12th day of February, 2019

NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES MARCH 13, 2020

My commission expires

3-13-2020

(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.

Electronic Bid Bond ID Code input field

Electronic Bid Bond ID Code

(Company/Bidder Name)

(Signature and Title)

Date

Surety Company Acknowledgement

STATE OF **ILLINOIS**
COUNTY OF **COOK** SS:

On this **12th day of February, 2019**, before me personally appeared **Courtney A. Flaska**, to me known, who, being by me duly sworn, did depose and say: that (s)he resides at **Schaumburg, Illinois**, that (s)he is the **Attorney in Fact of International Fidelity Insurance Company**, the corporation described in and which executed the annexed instrument; that (s)he knows the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that (s)he signed his/her name thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.

Samantha Bradtke

Notary Public in and for the above County and State

My Commission Expires: **06/23/21**



**POWER OF ATTORNEY
INTERNATIONAL FIDELITY INSURANCE COMPANY
ALLEGHENY CASUALTY COMPANY**

One Newark Center, 20th Floor, Newark, New Jersey 07102-5207 PHONE: (973) 624-7200

KNOW ALL MEN BY THESE PRESENTS: That INTERNATIONAL FIDELITY INSURANCE COMPANY, a corporation organized and existing under the laws of the State of New Jersey, and ALLEGHENY CASUALTY COMPANY a corporation organized and existing under the laws of the State of New Jersey, having their principal office in the City of Newark, New Jersey, do hereby constitute and appoint

MEREDITH H. MIELKE, MIKE POHL, KIRK A. LISKIEWITZ, COURTNEY A. FLASKA, SAMANTHA BRADTKE, J.S. POHL, JAMES L. SULKOWSKI, ROBERT B. SCHUTZ, SHERENE L. HEMLER, CAROL A. DOUGHERTY, STEPHEN L. WEBSTER

Schaumburg, IL

their true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by their regularly elected officers at their principal offices

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of the By-Laws of INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY and is granted under and by authority of the following resolution adopted by the Board of Directors of INTERNATIONAL FIDELITY INSURANCE COMPANY at a meeting duly held on the 20th day of July, 2010 and by the Board of Directors of ALLEGHENY CASUALTY COMPANY at a meeting duly held on the 10th day of July, 2015

"RESOLVED, that (1) the Chief Executive Officer, President, Executive Vice President, Vice President, or Secretary of the Corporation shall have the power to appoint, and to revoke the appointments of, Attorneys-in-Fact or agents with power and authority as defined or limited in their respective powers of attorney, and to execute on behalf of the Corporation and affix the Corporation's seal thereto, bonds, undertakings, recognizances, contracts of indemnity and other written obligations in the nature thereof or related thereto; and (2) any such Officers of the Corporation may appoint and revoke the appointments of joint-control custodians, agents for acceptance of process, and Attorneys-in-fact with authority to execute waivers and consents on behalf of the Corporation; and (3) the signature of any such Officer of the Corporation and the Corporation's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seals when so used whether heretofore or hereafter, being hereby adopted by the Corporation as the original signature of such officer and the original seal of the Corporation, to be valid and binding upon the Corporation with the same force and effect as though manually affixed."

IN WITNESS WHEREOF, INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY have each executed and attested these presents on this 31st day of December, 2017



STATE OF NEW JERSEY
County of Essex

George R. James

Executive Vice President (International Fidelity Insurance Company) and
Vice President (Allegheny Casualty Company)



On this 31st day of December, 2017, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said he is the therein described and authorized officer of INTERNATIONAL FIDELITY INSURANCE COMPANY and of ALLEGHENY CASUALTY COMPANY; that the seals affixed to said instrument are the Corporate Seals of said Companies; that the said Corporate Seals and his signature were duly affixed by order of the Boards of Directors of said Companies.



IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.

Cathy Cruz a Notary Public of New Jersey
My Commission Expires April 16, 2019

CERTIFICATION

I, the undersigned officer of INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Sections of the By-Laws of said Companies as set forth in said Power of Attorney, with the originals on file in the home of said companies, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this day, February 12, 2019

Maria H. Branco, Assistant Secretary

OWNER COPY

CONTRACT



Apprenticeship or Training Program Certification

Return with Bid

Route 2019 Jackson Pond Outlet
County DuPage
Local Agency Villa Park
Section N/A

All contractors are required to complete the following certification:

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

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:

- 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.
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.
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.

AFL - CIO I/H LOCAL 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: EarthWares Land Improvement & Development Corporation
Address: 1240 Lyon Rd Batavia IL 60510

By: 
(Signature) DAN DAVIES
Title: President

OWNER COPY

CONTRACT

RETURN WITH BID



Affidavit of Illinois Business Office

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

State of Illinois)
) ss.
County of DuPage)

I, DAN DAVIES of Burbank, IL,
(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 EarthWaves Land Improvement & Development Corporation
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, EarthWaves, Corp will maintain a business office in the State of Illinois which will be located in Kane County, Illinois.
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

(Signature)
DAN DAVIES
(Print Name of Affiant)

This instrument was acknowledged before me on 12th day of February, 2019.

(SEAL)



(Signature of Notary Public)



Illinois Department of Transportation

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

**Affidavit of Availability
For the Letting of Jackson Pond
Outlet**

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

Part I. Work Under Contract

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

	1	2	3	4	Awards Pending	
Contract Number						
Contract With	Village of Villa Park		Buffalo Grove Park District			
Estimated Completion Date	5-31-2019		5-1-2019			
Total Contract Price	1771844		133097			Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	1771844		133097			1904941
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						1904941

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

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

					Accumulated Totals
Earthwork	687225		46897		734122
Portland Cement Concrete Paving					
HMA Plant Mix					
HMA Paving			6000		6000
Clean & Seal Cracks/Joints					
Aggregate Bases & Surfaces	42079		11000		53079
Highway, R.R. and Waterway Structures					
Drainage	265926				265926
Electrical					
Cover and Seal Coats					
Concrete Construction					
Landscaping	118875		8000		126875
Fencing					
Guardrail					
Painting					
Signing					
Cold Milling, Planning & Rotomilling					
Demolition					
Pavement Markings (Paint)					
Other Construction (List)	279613.25				
Gabion Wall / Retaining Wall			54000		\$ 0.00
Totals	1393716.25		125897		1519615.25

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

Part III. Work Subcontracted to Others.

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

	1	#1 cont	3	4	Awards Pending
Subcontractor	Agua Design	Clean Cut Tree			
Type of Work	irrigation	tree removal	fence		
Subcontract Price	42575.	11666.	7200		
Amount Uncompleted	42575.	11666.	7200		
Subcontractor	Pro Fence II				
Type of Work	fence				
Subcontract Price	124713.				
Amount Uncompleted	124713.				
Subcontractor	Impressive				
Type of Work	Construction concrete				
Subcontract Price	50676.25				
Amount Uncompleted	50676.25				
Subcontractor	Okeh Electric				
Type of Work	electrician				
Subcontract Price	98087.50				
Amount Uncompleted	98087.50				
Subcontractor	Schubert + Son				
Type of Work	concrete				
Subcontract Price	50408.				
Amount Uncompleted	50408.				
Total Uncompleted		378125.75	7200		

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

Subscribed and sworn to before me

this 12th day of February, 2019

Type or Print Name

DAN DAVIES, President
Officer or Director Title

Signed

[Signature]
Notary Public

My commission expires 3-13-2020



Company EarthWaters Land Improvement & Development Corporation

Address 1240 Lyon Rd Batavia IL 60510

OWNER COPY

CONTRACT

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 **JACKSON POND OUTLET**.

Addendum No. 1	1 pages
Attachments	
1. Bid Book Sheets	6 pages
Acknowledgment Form	1 page
TOTAL	8 pages

Name: LOLA DAVIES

Title: CONSTRUCTION ADMIN

Company: TRITONWORKS LAND IMPROVEMENT & DEVELOPMENT CORPORATION

Signature: 

Date: 2-6-2019



Lora Davies

From: Lora Davies
Sent: Wednesday, February 06, 2019 3:10 PM
To: 'Villa Park Public Works'
Subject: RE: Village of Villa Park - Jackson Pond Outlet Project - Addendum #01

Good Afternoon-
We, EarthWerks, have received and acknowledge addendum #1 for the Jackson Pond Outlet Project.

<https://www.youtube.com/watch?v=p8ujXkfidM4>

Lora Davies
Construction Administrator
EARTHWERKS Land Improvement & Development Corp.
1240 Lyon Rd., Batavia, IL, 60510
Office (630) 482-2341
Cell (708) 906-0273
Fax (630) 482-2342



work hard in silence, let your success be your noise. -brandon ocean

From: Posch, Debbie [mailto:debbiep@invillapark.com] **On Behalf Of** Villa Park Public Works
Sent: Wednesday, February 06, 2019 3:02 PM
To: Villa Park Public Works <publicworks@invillapark.com>
Subject: Village of Villa Park - Jackson Pond Outlet Project - Addendum #01

Good afternoon,

Please disregard the previous email. The title of the email was incorrect.

The Village of Villa Park has issued **Addendum #1** to the bidding documents for its **2019 Jackson Pond Outlet Project**. A copy of the addendum is attached. We ask that planholders of record please return the acknowledgment form (2nd page) by e-mail to publicworks@invillapark.com. Bidders are required to return the completed and signed acknowledgment form with their bids.

The bid submittal deadline and bid opening for this project are scheduled for **Tuesday, February 12, 2019 at 10:00 AM** local time at the Village of Villa Park Public Works Department, 11 West Home Avenue, Villa Park, Illinois 60181.

If there are any questions, please do not hesitate to contact the Village of Villa Park Public Works Department at (630) 834-8505.

Village of Villa Park
Public Works Department
Engineering Division
T 630.834.8505 | F 630.834.8509
publicworks@invillapark.com





VILLAGE OF VILLA PARK

SPECIAL PROVISIONS

FOR

JACKSON POND OUTLET PROJECT

ISSUED FOR BID JANUARY 25, 2019

PREPARED BY



**7325 JANES AVENUE
WOODRIDGE, ILLINOIS 60517**

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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, 2018; the latest edition of the “Illinois Manual on Uniform Traffic Control Devices For Streets and Highways” (ILMUTCD); 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

The Jackson Pond Outlet Project is located in the Village of Villa Park, DuPage County. The project area is located west and adjacent to Leslie Lane and Willow Crest Drive, beginning just west of the Willow Crest Drive Cul-De-Sac. The total project area is approximately 0.65 acres.

DESCRIPTION OF PROJECT

The Jackson Pond Outlet Project consists of the construction of approximately 1,100 feet of storm sewer beginning at Jackson Pond and connecting to existing storm sewers along Willow Crest Drive. The project includes the construction of new storm sewer within Village-owned property and along Leslie Lane and Willow Crest Drive, along with associated flared end sections, grates, manholes, catch basins, and inlets; restoration of existing asphalt and concrete pavements and sidewalks disturbed by construction; fine grading of the entire disturbed area; placement of topsoil; placement of sodding or seed and blanket; construction layout; traffic control and protection; and other necessary related and incidental work.

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

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 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.

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.

- 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.

COORDINATION WITH ADJACENT PROJECT

It should be noted that the project limits of this project will overlap with the limits of the Jackson Pond Overflow project that was awarded in October 2018 to Earthwerks Land Improvement and Development Corporation (Earthwerks). The project overlap is the section of storm sewer and structures between structures ST 3-10 and ST 3-9.

Contact: Dan Davies, President
Earthwerks Land Improvement and Development Corporation
1240 Lyon Road

Batavia, Illinois 60510
630.482.2341

Contractor shall coordinate with Earthwerks when work is scheduled to be completed in the project overlap area. In the event of a conflict, the work for the Jackson Pond Overflow Project shall take precedence. If in the opinion of the Engineer, the Jackson Pond Overflow Project work causes delays to the completion and progress of the Jackson Pond Outlet Project, the Village may consider increasing the contract time listed in BDE 80198. This work will not be paid for separately but shall be included in the cost of the contract.

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.

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
Easter

Hijra – Islamic New Year
Day of Ashur / Muharram (Islamic Holiday)

Memorial Day	Milad un Nabi (Islamic Holiday)
Independence Day	Thanksgiving Day
Waqf al Arafa – Hajj (Islamic Holiday)	Thanksgiving Friday
Eid al-Adha (Islamic Holiday)	Christmas Eve
Labor Day	Christmas Day
	New Year's Eve

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”

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.”

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.

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 and driveways 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.

Contractor shall be aware that Highridge Road and Ardmore Avenue are the main points of access for the Islamic Foundation of Villa Park and Willowbrook High School. The Islamic Foundation of Villa Park conducts religious services on Fridays that significantly impact the traffic on Highridge Road and Ardmore Avenue. No lane closures on Highridge Road or Ardmore Avenue are permitted during the following times without approval from Village:

- Mondays: School days from 8:00 am to 9:15 am and from 2:30 pm to 3:30 pm
- Tuesday – Thursday: School days from 6:45 am to 8:00 am and from 2:30 pm to 3:30 pm
- Friday: No lane closures allowed.

- The first week of school for Willowbrook High School (Monday, August 13 to Friday August 17)

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 (\$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.

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.

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.

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.

DROP HAMMERS

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

STORM STRUCTURES

All catch basins, manholes, inlets and drainage structures 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, box structures, 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 SEWERS

All storm sewers installed under this contract shall be in accordance with Section 550 of the Standard Specifications, except as modified herein. Unless otherwise noted, the proposed storm sewer shall be Precast Reinforced Concrete (per Section 1042 of the Standard Specifications) with rubber gasket joints.

This work will be paid for at the contract unit price per FOOT for storm sewers.

The cost of making any sewer connections to existing drainage structures or pipe shall be included in the cost of the new sewer pipe or structure. Any additional storm sewer pipe required to make the connection shall be of the same size and material type as the existing storm sewer. Clay pipe and other substandard materials as determined by the engineer will not be replaced in kind but shall be replaced with suitable materials. This work and the necessary materials shall be included in the cost of the new sewer or structure.

All temporary storm sewer plugs and temporary storm sewer connections required for construction staging shall be included in the cost of the storm sewer.

Any storm sewer or storm structure removals associated with the installation of storm sewer shall be included in the cost of the new sewer and will not be paid for separately.

NOTIFICATION OF RESIDENTS

The Contractor shall be responsible for notifying residents and adjacent properties 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 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

Full depth 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 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.

STAGE / LOCATION	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	ACTION
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N/A				

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

PAY ITEM SPECIAL PROVISIONS

PAY ITEM #4 – TREE ROOT PRUNING

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 #5 – TREE PRUNING (OVER 10 INCH DIAMETER)

Description. This work shall consist of performing tree pruning. This work shall be in accordance with Section 201 of the Standard Specifications. This is a contingency item and shall only be completed and paid for if requested by the Engineer.

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 PRUNING (OVER 10 INCH DIAMETER).

PAY ITEM #12 – 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 #18 – 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” at locations where the sidewalk crosses residential driveways. Where the sidewalk crosses commercial driveways it shall be thickened to 8”. The 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 feet.

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 #19 – DETECTABLE WARNINGS

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

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 #20 – PAVEMENT REMOVAL

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

Add the following to Section 440.07 (b):

Pavement removal shall include excavation and removal of aggregate base.

Initial saw-cutting of pavement and cleaning of edges prior to pavement replacement shall be included in the cost of PAVEMENT REMOVAL.

Method of Measurement. This work will be measured for payment in accordance with Section 440 of the Standard Specifications.

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

PAY ITEM #22 – SIDEWALK REMOVAL

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

Add the following to Section 440.07 (b):

Sidewalk removal shall include excavation and removal of aggregate base. Sidewalk removal shall also include the removal of any railings that are contained within the concrete sidewalk section.

Method of Measurement. This work will be measured for payment in accordance with Section 440 of the Standard Specifications with the following revisions..

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

PAY ITEM #34 – ABANDON AND FILL EXISTING STORM SEWERS

Description. This work shall consist of abandoning and filling existing storm sewers/field tiles at locations as shown on the plans or as directed by the Engineer.

Materials. The controlled low-strength material used to fill the storm sewers/field tiles and the filling operation shall be in accordance with Section 593 of the Standard Specifications.

Construction Requirements. The Contractor shall brick and mortar the ends of the existing pipe that is to be filled.

Measurement. This work will not be measured for payment.

Basis of Payment. This work will be paid for at the contract lump sum price for ABANDON AND FILL EXISTING STORM SEWERS.

PAY ITEM #35 – COMBINATION CONCRETE CURB AND GUTTER

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.

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.

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 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, which price shall include all materials, labor and equipment necessary to complete the work as described herein.

PAY ITEM #36 – 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.

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.

PAY ITEM #37 – 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.) 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:

“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 #38 – PARK 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 within the park.

This work shall include restoring disturbed areas within the construction limits, removing excess backfill material, compacting and grading to maintain positive slope, fertilizing, and sodding the areas in accordance with Section 252. Contractor is responsible for repairing any settlement to the engineer's approval.

Materials.

- (a.) Seeding shall be Class 1 and meet the requirements of Article 250.02.
- (b.) Fertilizer shall meet the requirements of Article 250.02

(c.) Mulch shall meet the requirements of Article 251.02.

Construction. Installation of the seed and fertilizer shall be per Articles 250.03-250.06. Seed shall be stabilized per Mulch Method 1 in accordance with Article 251.03 and shall be included in the cost for Park Restoration.

Add the following to the end of Article 250.05:

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

Method of Measurement. PARK RESTORATION will be measured for payment in place and the area computed in square yards. To be acceptable for final payment, vegetation 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 areas shall be removed, replaced, and watered.

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

PAY ITEM #39 – 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.

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 #40 – 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 #41 – DRAINAGE RESTRICTOR

Description. This work shall consist of furnishing and installing a drainage restrictor as indicated on the construction documents.

Installation. Once the catch basin and pipes have been installed, contractor shall grout in a 2-foot section of 12-inch PVC pipe in the 18-inch RCP pipe and install an 12-inch diameter threaded PVC Schedule 40 cap on the downstream cap. The Contractor shall drill a 2-inch diameter hole in the cap that will function as the submerged restrictor outlet.

Method of Measurement. This work will be measured for payment as each individual drainage restrictor installed and the unit of measurement will be each.

Basis of Payment. Drainage restrictor shall be paid for at the contract unit price bid per each of DRAINAGE RESTRICTOR.

PAY ITEM #42 – TEMPORARY ROADWAY SURFACE

Description. If storm sewer work is completed before asphalt plants have been opened, this work shall consist of furnishing and installing a 2-inch section of cold patch over the pavement area. This work shall also include the removal of the cold patch and additional stone and all preparation necessary for the installation of the proposed permanent pavement section once asphalt plants are open. Cold Patch shall be placed at selected locations as directed by the Engineer, such as at intersections and driveways.

Materials.

- a) SMP by Seneca Petroleum Company or equal IDOT approved cold patch mix.

Method of Measurement. This work will 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 TEMPORARY ROADWAY SURFACE.

PAY ITEM #43 – REMOVE AND REPLACE SANITARY SEWER 10”

Description. This work shall consist of the removal and replacement of existing sanitary sewer pipe that may become exposed or damaged in the course of performing other work. This is a contingency item and shall only be completed and paid for if requested by the Engineer.

Materials.

- a) Class 50 ductile iron pipe conforming to ANSI/AWWA C151/A.21.51-02 (or latest edition) with joints conforming to ANSI/AWWA C111/A.21.11-00 (or latest edition). Ductile shall be encased in polyethylene encasement in accordance with ANSI/AWWA C105/A21.5-99 (or latest edition).

Removal. Removal of the existing sewer pipe shall be performed in accordance with Article 551.03.

Installation. Sanitary sewer pipe shall be laid true to line and grade as set forth in Section 31 paragraph 31- 1.02 of the “Standard Specifications for Water and Sewer Main Construction in Illinois.” Dirt and other foreign material shall be prevented from entering the pipe or pipe joint during handling or laying operations. Any pipe or fitting that has been installed with dirt or foreign material in it shall be cleaned and re-inspected. At times when pipe laying is not in progress, and at the end of each working day, the open end of the pipe shall be closed with a water tight plug to ensure absolute cleanliness inside the pipe.

The Engineer may request mechanical cleaning (jet flushing) and/or televising if necessary to ensure clean, acceptable pipes, at the Contractor's expense.

For shorter than standard pipe lengths, field cuts may be made with either hand or mechanical saws or plastic pipe cutters. Ends shall be cut square and perpendicular to the pipe axis. Spigots shall have burrs removed and ends smoothly beveled by a mechanical bevel or by hand with a rasp or file. Field spigots shall be stop-marked with felt tip marker or wax crayon for the proper length of assembly insertion. The angle and depth of field bevels and lengths to stop-marks shall be comparable to factory pipe spigots.

Assemble all joints in accordance with recommendations of the manufacturer. If a lubricant is required to facilitate assembly it shall have no detrimental effect on the gasket or on the pipe when subjected to prolonged exposure. Proper jointing may be verified by rotation of the spigot by hand or with a strap wrench. If unusual joining resistance is encountered or if the insertion mark does not reach the flush position, disassemble the joint, inspect for damage, reclean the joint components and repeat the assembly steps. Note that fitting bells may permit less insertion depth than pipe bells (NOTE: When mechanical equipment is used to assemble joints, care should be taken to prevent over insertion.)

Joints connecting dissimilar pipe materials shall be made with sewer clamp non-shear type couplings; Cascade CSS, Romac LSS, Fernco, Inc. Shear Ring, or approved equal. When available, a standard joint with a transition gasket may be used. The name of the manufacturer, class, and date of issue shall be clearly identified on all sections of pipe. The Contractor shall also submit bills of lading, or other quality assurance documentation when request be the Village or Engineer.

Method of Measurement. This work will be measured for payment in place per linear foot.

Basis of Payment. This work will be paid for at the contract unit price per linear foot for REMOVE AND REPLACE SANITARY SEWER 10”.

PAY ITEM #44— TELEVISION INSPECTION OF SEWER

Description. This work shall consist of the inspection and video televising of sewers, taking photos, locating structures, and furnishing written reports of the sewers, as shown in the Plans following installation. The work shall be completed in accordance with the National Association of Sewer Service Contractors (NASSCO) Pipeline Assessment & Certification Program (PACP).

Construction Requirements. The Contractor shall perform televising along all proposed storm sewers and an existing sanitary sewer running roughly between 107 Leslie Lane and the intersection of Leslie Lane and Willow Crest Drive.

The Contractor shall perform one pass of a hydraulic flusher to remove loose debris. Should additional cleaning be required, as determined by the Engineer on the basis of the initial pass, that work will be paid for separately.

Television equipment shall be remote controlled from above ground by a skilled technician controlling the camera. The camera shall be a pan and tilt color unit with sufficient lighting for inspection of the sewer. If the contractor has cameras with an automatic iris, they shall use them for all mainline televising; otherwise lighting shall be manually adjusted so no glares, bright spots, etc. are recorded. The contractor shall pan and tilt up each lateral that is in the main and up and around the entire manhole where the inspection is ending. The camera shall be pulled through the sewer line in either direction at a speed not greater than 30 feet per minute, stopping as necessary to permit proper documentation of the sewer's condition. If the camera is submerged due to a sag or dip in the pipe, a high velocity jet shall be utilized to pull water from the camera lens. If, during the inspection operations the inspection camera will not pass through the entire manhole section, the contractor shall reset his equipment so that the inspection can begin at the opposite manhole. If the contractor is unable to televise the entire manhole-to-manhole segment, he shall notify the Engineer prior to abandoning the attempt. Payment will be based on only the length televised with no additional cost to the Village for the extra setups.

The view seen by the television camera shall be transmitted to a monitor located inside a mobile TV studio, which has the capabilities to produce a transmittable digital copy. The contractor's mobile studio shall be large enough to accommodate at least two people for the purpose of viewing the monitor while the inspection is in progress. The Engineer shall have access to view the television screen at all times.

Pipe identification and location shall be displayed on the video at the beginning and end of each segment for a minimum of 15 seconds. The pipe location and information shall include: Pipe identification, Starting structure location with station and offset, Ending structure location with station and offset, Material, Pipe Size, Date, and Length. If the segment is reversed, the display shall say "Reversal" to differentiate the video from the original run. The date and pipe length counter shall be displayed for the entire length of sewer segment. The contractor shall display all pipe spalling, obtrusions, or obstructions, for a minimum of five seconds.

Inspection reports shall be prepared for each line segment televised. A separate inspection report shall be included where segments are abandoned and a reverse TV is required. Each inspection report shall include the following information:

- a) Village of Villa Park logo
- b) Contractor logo
- c) Unit number
- d) Pipe identification
- e) Roadway name/route
- f) Direction of Traffic
- g) Nearest cross street
- h) Starting structure (number, station and offset)
- i) Ending structure (number, station and offset)
- j) Total length
- k) Pipe Material
- l) Pipe Shape
- m) Pipe Size
- n) Pipe joint length
- o) Manufactured Year
- p) Flow direction
- q) Surveyor's name (name & certification number)
- r) Date Recorded
- s) Weather
- t) Pre-cleaning
- u) Date cleaned
- v) Drainage structure condition & type of construction
- w) Location of all service connections
- x) Location & description of all PACP items
- y) Report generation date
- z) Page number

The contractor shall produce an electronic copy of the inspection report (pdf), video files, and spreadsheet summarizing all inspection records. The electronic data shall be provided to the Engineer on an external hard drive.

Method of Measurement. This work will be measured for payment in feet, based on only the length televised and regardless of the diameter of the sewer being televised.

Basis of Payment. This work will be paid for at the contact unit price per foot for TELEVISION INSPECTION OF SEWER, regardless of the diameter of the sewer being televised.

PAY ITEM #45 – WASHOUT BASIN

Description. This item shall consist of constructing and maintaining a washout basin for concrete trucks and other construction vehicles. The washout basin will be as shown on the plans. The contractor shall provide a washout basin per the requirements shown in the detail for “Washout Basin” in the erosion control plans.

The contractor may request in writing to the Engineer to utilize alternate methods/designs for the washout basin. Any alternate will need to be approved by the Engineer. Any washouts constructed that do not meet the requirements of the plans or applicable IDOT and/or IUM standards will not be allowed.

Basis of Payment. This work shall be paid for at the contract unit price per Lump Sum (LSUM) for WASHOUT BASIN, which prices shall include, general cleaning and removal of all construction debris when two-thirds full or as directed by the Engineer, general maintenance or reconstruct as necessary throughout the duration of use, and all material, labor, tools, equipment, disposal of surplus material, and incidentals necessary to complete this item of work. The washout basin will be measured for payment only once for the entire project duration. If an alternate design for the washout basin has been submitted and approved for use in the project there shall be no additional compensation to the original unit bid price for Washout Basin.

PAY ITEM #46 – 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, 701311, 701501, 701801, 701901

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 #47 – PRECONSTRUCTION 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.

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 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.

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 #48 – STABILIZED CONSTRUCTION ENTRANCE

Description. This work shall be done in accordance with the applicable portions of Section 281 of the Standard Specifications and shall include the furnishing, installing, maintaining, and removing of the STABILIZED CONSTRUCTION ENTRANCE at locations and per the details shown on the plans.

Coarse Aggregate and geotextile fabric for the STABILIZED CONSTRUCTION ENTRANCE must meet the requirements of the IDOT Standard Specifications, the requirements of the Illinois Urban Manual material Specification 592 and as detailed on the plans, unless otherwise directed by the RESIDENT ENGINEER.

Basis of Payment. This work shall be paid for at the contract unit price bid per square yard measured in place for STABILIZED CONSTRUCTION ENTRANCE, which price shall include removal and disposal of excavated materials, geotechnical fabric; furnishing, placing, compacting and disposing of coarse aggregate; and all labor, tools, and equipment necessary to construct the work as specified.

PAY ITEM #49 – CONSTRUCTION LAYOUT AND RECORD DRAWINGS

Description. In addition to the requirements of the Special provision for Construction Layout Stakes (IDOT Check Sheet #10), the contractor shall be responsible for all construction staking required to complete the project, and provide Record Drawings of constructed storm sewer to the Village of Villa Park. Record drawings shall consist of clean, red-line markups of paper copies of the Plans.

Basis of Payment. This work shall be paid for at the contract lump sum for CONSTRUCTION LAYOUT AND RECORD DRAWINGS, which shall include all labor, equipment, and materials required to complete the work as specified herein. No additional compensation will be provided for delays in the construction process once work has begun.

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 Pubic 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 Bulhuis

ABSENT:

Approved this 11 day of February, 2013.

Thomas C. ...

Village President

Attest:

Joanna Krzywicki
Village Clerk



Published in pamphlet form:

2-11, 2013

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 [X]; and

- B. Owners and Contractors Protective Liability (OCP) policy with the member as insured
Required if box is checked [X]; 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 [X]

- 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 contractor's 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>EXAMPLE</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)
SAMPLE
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
EXAMPLE	
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" 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".

APPENDIX C

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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, 2018

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 1-1-18)

SUPPLEMENTAL SPECIFICATIONS

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

Recurring Special Provisions

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6	<input type="checkbox"/> Asbestos Bearing Pad Removal	89
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos Hot-Mix Asphalt Surface Removal	90
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	91
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	92
10	<input checked="" type="checkbox"/> Construction Layout Stakes	95
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	98
12	<input type="checkbox"/> Subsealing of Concrete Pavements	100
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	104
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	106
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	107
16	<input type="checkbox"/> Polymer Concrete	109
17	<input type="checkbox"/> PVC Pipeliner	111
18	<input type="checkbox"/> Bicycle Racks	112
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	114
20	<input type="checkbox"/> Work Zone Public Information Signs	116
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	117
22	<input type="checkbox"/> English Substitution of Metric Bolts	118
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	119
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	120
25	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	128
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	144
27	<input type="checkbox"/> Reserved	146
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34	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	160
35	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	164

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	168
LRS 2	<input type="checkbox"/> Furnished Excavation	169
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	170
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	171
LRS 5	<input checked="" type="checkbox"/> Contract Claims	172
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	173
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	179
LRS 8	Reserved	185
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	186
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LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	193
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LRS 16	<input checked="" type="checkbox"/> Protests on Local Lettings	197
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BDE SPECIAL PROVISIONS
For the January 18, 2019 and March 8, 2019 Lettings

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

File Name #		Special Provision Title	Effective	Revised
80099	1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
80274	2	<input type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192	3	<input type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	
80173	4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80241	5	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
50261	6	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481	7	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491	8	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531	9	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
* 80404	10	<input type="checkbox"/> Coarse Aggregate Quality for Micro-Surfacing and Cape Seals	Jan. 1, 2019	
80384	11	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	
80198	12	<input checked="" type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
80199	13	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293	14	<input type="checkbox"/> Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311	15	<input type="checkbox"/> Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80277	16	<input type="checkbox"/> Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
80261	17	<input checked="" type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80387	18	<input type="checkbox"/> Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
80029	19	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	April 2, 2018
80402	20	<input type="checkbox"/> Disposal Fees	Nov. 1, 2018	
80378	21	<input type="checkbox"/> Dowel Bar Inserter	Jan. 1, 2017	Jan. 1, 2018
* 80405	22	<input type="checkbox"/> Elastomeric Bearings	Jan. 1, 2019	
80388	23	<input type="checkbox"/> Equipment Parking and Storage	Nov. 1, 2017	
80229	24	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80304	25	<input type="checkbox"/> Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2017
80246	26	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	Aug. 1, 2018
* 80406	27	<input type="checkbox"/> Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT Projects)	Jan. 1, 2019	
* 80398	28	<input type="checkbox"/> Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Jan. 1, 2019
80399	29	<input type="checkbox"/> Hot-Mix Asphalt – Oscillatory Roller	Aug. 1, 2018	Nov. 1, 2018
80347	30	<input type="checkbox"/> Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	Aug. 1, 2018
* 80383	31	<input type="checkbox"/> Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	Jan. 1, 2019
80376	32	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
80392	33	<input type="checkbox"/> Lights on Barricades	Jan. 1, 2018	
80336	34	<input type="checkbox"/> Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
* 80393	35	<input checked="" type="checkbox"/> Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	Jan. 1, 2019
80400	36	<input type="checkbox"/> Mast Arm Assembly and Pole	Aug. 1, 2018	
80045	37	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Aug. 1, 2014
80394	38	<input type="checkbox"/> Metal Flared End Section for Pipe Culverts	Jan. 1, 2018	April 1, 2018
80165	39	<input type="checkbox"/> Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
80349	40	<input type="checkbox"/> Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
80371	41	<input type="checkbox"/> Pavement Marking Removal	July 1, 2016	
80390	42	<input type="checkbox"/> Payments to Subcontractors	Nov. 2, 2017	
80389	43	<input checked="" type="checkbox"/> Portland Cement Concrete	Nov. 1, 2017	
80359	44	<input type="checkbox"/> Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2017
80401	45	<input type="checkbox"/> Portland Cement Concrete Pavement Connector for Bridge Approach Slab	Aug. 1, 2018	

80300	46	<input type="checkbox"/>	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
80328	47	<input checked="" type="checkbox"/>	Progress Payments	Nov. 2, 2013	
34261	48	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	49	<input type="checkbox"/>	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
* 80306	50	<input checked="" type="checkbox"/>	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 1, 2019
* 80407	51	<input type="checkbox"/>	Removal and Disposal of Regulated Substances	Jan. 1, 2019	
80395	52	<input type="checkbox"/>	Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
80340	53	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
80127	54	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
* 80408	55	<input type="checkbox"/>	Steel Plate Beam Guardrail Manufacturing	Jan. 1, 2019	
80397	56	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	57	<input type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	
80317	58	<input type="checkbox"/>	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	April 1, 2016
80298	59	<input type="checkbox"/>	Temporary Pavement Marking	April 1, 2012	April 1, 2017
20338	60	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	
80403	61	<input checked="" type="checkbox"/>	Traffic Barrier Terminal, Type 1 Special	Nov. 1, 2018	
* 80409	62	<input type="checkbox"/>	Traffic Control Devices - Cones	Jan. 1, 2019	
* 80410	63	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
80318	64	<input type="checkbox"/>	Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
80288	65	<input type="checkbox"/>	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	66	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80071	67	<input type="checkbox"/>	Working Days	Jan. 1, 2002	

The following special provisions are in the 2019 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80382	Adjusting Frames and Grates	Articles 602.02(s) and (t), 1043.04, and 1043.05	April 1, 2017	
80366	Butt Joints	Article 406.08(c)	July 1, 2016	
80386	Calcium Aluminate Cement for Class PP-5 Concrete Patching	Article 1001.01(e)	Nov. 1, 2017	
80396	Class A and B Patching	Articles 442.06(a)(1) and (2)	Jan. 1, 2018	Nov. 1, 2018
80377	Portable Changeable Message Signs	Articles 701.20(h) and 1106.02(i)	Nov. 1, 2016	April 1, 2017
80385	Portland Cement Concrete Sidewalk	Article 424.12	Aug. 1, 2017	

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

- 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 45 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

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

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the Contractor's yard or another job and the cost to re-mobilize, whichever is less.

Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

- "(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid. For working day contracts the payment will be made according to Article 109.04. For completion date contracts, an adjustment will be determined as follows.

Extended Traffic Control occurs between April 1 and November 30:

$$\text{ETCP Adjustment (\$)} = \text{TE} \times (\% / 100 \times \text{CUP} / \text{OCT})$$

Extended Traffic Control occurs between December 1 and March 31:

$$\text{ETCP Adjustment (\$)} = \text{TE} \times 1.5 (\% / 100 \times \text{CUP} / \text{OCT})$$

Where: TE = Duration of approved time extension in calendar days.
 % = Percent maintenance for the traffic control, % (see table below).
 CUP = Contract unit price for the traffic control pay item in place during the delay.
 OCT = Original contract time in calendar days.

Original Contract Amount	Percent Maintenance
Up to \$2,000,000	65%
\$2,000,000 to \$10,000,000	75%
\$10,000,000 to \$20,000,000	85%
Over \$20,000,000	90%

When an ETCP adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

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

Effective: January 1, 2010
 Revised: August 1, 2018

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.

When a longitudinal joint sealant (LJS) is applied, longitudinal joint density testing will not be required on the joint(s) sealed.”

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%”
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80246

HOT-MIX ASPHALT – TACK COAT (BDE)

Effective: November 1, 2016

Revise Article 1032.06(a) of the Standard Specifications to read:

“(a) Anionic Emulsified Asphalt. Anionic emulsified asphalts shall be according to AASHTO M 140. SS-1h emulsions used as a tack coat shall have the cement mixing test waived.”

80376

MANHOLES, VALVE VAULTS, AND FLAT SLAB TOPS (BDE)

Effective: January 1, 2018

Revised: January 1, 2019

Description. In addition to those manufactured according to the current standards included in this contract, manholes, valve vaults, and flat slab tops manufactured prior to January 1, 2019, according to the previous Highway Standards listed below will be accepted on this contract:

Product	Previous Standards
Precast Manhole Type A, 4' (1.22 m) Diameter	602401-04 or 602401-03
Precast Manhole Type A, 5' (1.52 m) Diameter	602402 or 602401-03
Precast Manhole Type A, 6' (1.83 m) Diameter	602406-08 or 602406-07
Precast Manhole Type A, 7' (2.13 m) Diameter	602411-06 or 602411-05
Precast Manhole Type A, 8' (2.44 m) Diameter	602416-06 or 602416-05
Precast Manhole Type A, 9' (2.74 m) Diameter	602421-06 or 602421-05
Precast Manhole Type A, 10' (3.05 m) Diameter	602426
Precast Valve Vault Type A, 4' (1.22 m) Diameter	602501-03 or 602501-02
Precast Valve Vault Type A, 5' (1.52 m) Diameter	602506 or 602501-02
Precast Reinforced Concrete Flat Slab Top	602601-05 or 602601-04

The following revisions to the Standard Specifications shall apply to manholes, valve vaults, and flat slab tops manufactured according to the current standards included in this contract:

Revise Article 602.02(g) of the Standard Specifications to read:

“(g) Structural Steel (Note 4)..... 1006.04

Note 4. All components of the manhole joint splice shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.”

Add the following to Article 602.02 of the Standard Specifications:

“(s) Anchor Bolts and Rods (Note 5)..... 1006.09

Note 5. The threaded rods for the manhole joint splice shall be according to the requirements of ASTM F 1554, Grade 55, (Grade 380).”

Revise the second paragraph of Article 1042.10 of the Standard Specifications to read:

“Catch basin Types A, B, C, and D; Manhole Type A; Inlet Types A and B; Drainage Structures Types 1, 2, 3, 4, 5, and 6; Valve Vault Type A; and reinforced concrete flat slab top (Highway Standard 602601) shall be according to AASHTO M 199 (M 199M), except the minimum wall thickness shall be as shown on the plans. Additionally, catch basins, inlets, and drainage structures shall have a minimum concrete compressive strength of 4500 psi

(31,000 kPa) at 28 days and manholes, valve vaults, and reinforced concrete flat slab tops shall have a minimum concrete compressive strength of 5000 psi (34,500 kPa) at 28 days.”

80393

PORTLAND CEMENT CONCRETE (BDE)

Effective: November 1, 2017

Revise the Air Content % of Class PP Concrete in Table 1 Classes of Concrete and Mix Design Criteria in Article 1020.04 of the Standard Specifications to read:

Class of Conc.	Use	Air Content %
PP	Pavement Patching	4.0 - 8.0"
	Bridge Deck Patching (10)	
	PP-1	
	PP-2	
	PP-3	
	PP-4	
PP-5		

Revise Note (4) at the end of Table 1 Classes of Concrete and Mix Design Criteria in Article 1020.04 of the Standard Specifications to read:

"(4) For all classes of concrete, the maximum slump may be increased to 7 in (175 mm) when a high range water-reducing admixture is used. For Class SC, the maximum slump may be increased to 8 in. (200 mm). For Class PS, the maximum slump may be increased to 8 1/2 in. (215 mm) if the high range water-reducing admixture is the polycarboxylate type."

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.”

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (BDE)

Effective: November 1, 2012

Revise: January 1, 2019

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 Central Bureau of Materials Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Central Bureau of Materials 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 Central Bureau of Materials 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 Central Bureau of Materials 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. FRAP from Conglomerate stockpiles shall be considered equivalent to limestone for frictional considerations. Known frictional contributions from plus #4 (4.75 mm) homogeneous 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 %			
	Ndesign	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	
		w/o I-FIT	with I-FIT	w/o I-FIT	with I-FIT	w/o I-FIT	with I-FIT
30	50	55	40	45	10	15	
50	40	45	35	40	10	15	
70	40	45	30	35	10	15	
90	40	45	30	35	10	15	
SMA	--	--	--	--	20	25	
IL-4.75	--	--	--	--	30	35	

- 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).

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.

The RAP, FRAP, and RAS stone bulk specific gravities (G_{sb}) shall be according to the "Determination of Aggregate Bulk (Dry) Specific Gravity (G_{sb}) of Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)" procedure in the Department's Manual of Test Procedures for Materials.

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 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 Central Bureau of Materials 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

TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (BDE)

Effective: November 1, 2018

Revise Article 631.04 of the Supplemental Specifications to read:

“631.04 Traffic Barrier Terminal, Type 1 Special (Tangent) and Traffic Barrier Terminal, Type 1 Special (Flared). These terminals shall be on the Department’s qualified product list.

The terminal shall be installed according to the manufacturer’s specifications. The beginning length of need point of the terminal shall be placed within 12 ft 6 in (3.8 m) of the length of need point shown on the plans.

The terminal shall be delineated with a terminal marker direct applied. No other guardrail delineation shall be attached to the terminal section.”

Revise the first paragraph of Article 631.12 of the Standard Specifications to read:

“631.12 Method of Measurement. The various types of traffic barrier terminals will be measured for payment, complete in place, in units of each. The pay limit between the traffic barrier terminal and the adjacent guardrail shall be as shown on the plans, except for the following:

- (a) Traffic Barrier Type 1, Special. The pay limit for a traffic barrier, Type 1 special shall be as shown on the manufacturer’s drawing(s).
- (b) Traffic Barrier Type 10. The pay limit for the traffic barrier terminal, Type 10 shall be at the centerline of the end shoe splice.”

80403

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

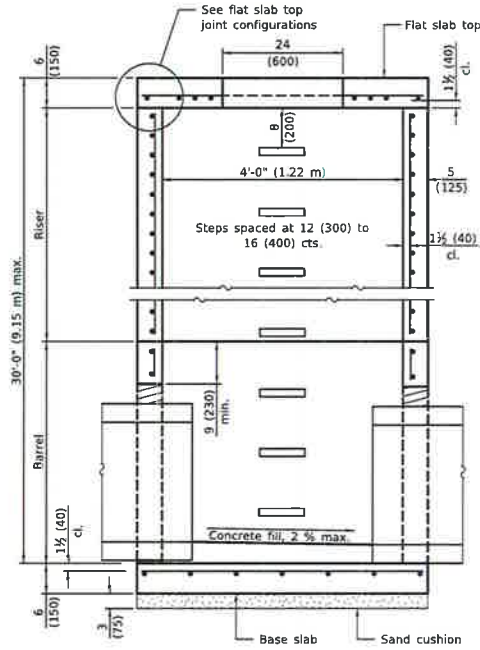
All references to Sections or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 109.04(b)(4) with the following:

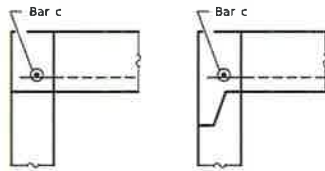
- "(4) Equipment. For any machinery or special equipment (other than small tools) the use of which has been authorized by the Engineer, the Contractor will be paid according to the latest revision of "SCHEDULE OF AVERAGE ANNUAL EQUIPMENT OWNERSHIP EXPENSE" and latest index factor as issued by the Illinois Department of Transportation. The equipment should be of a type and size reasonably required to complete the extra work."

APPENDIX D

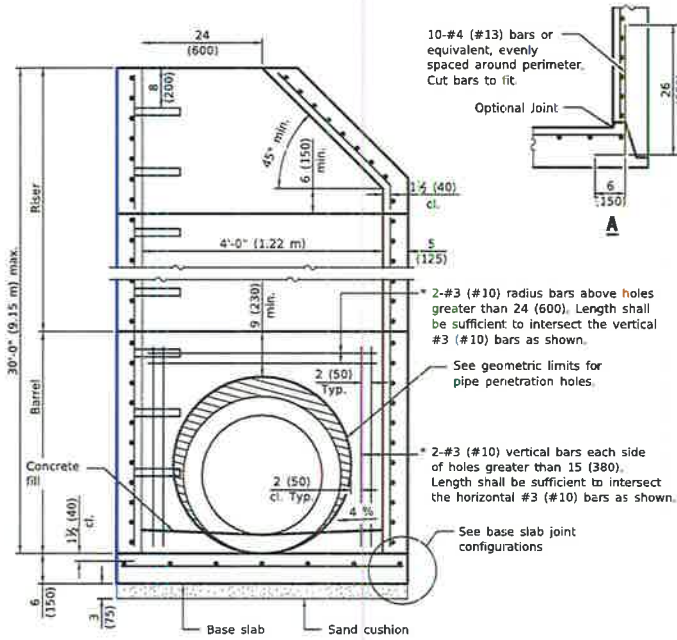
IDOT HIGHWAY STANDARDS



SECTION PARALLEL TO PIPE
(Without conical top riser)



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

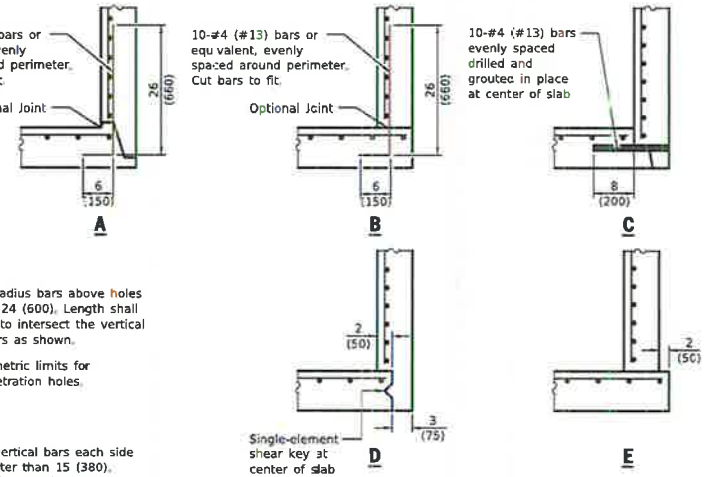


SECTION PERPENDICULAR TO PIPE
(With conical top riser)

* As an alternate, the barrel wall reinforcement may be reduced to riser wall reinforcement with #3 (#10) bars placed around the pipe penetration holes as shown. This option may be utilized when the pipe penetration holes are formed as opposed to cored.

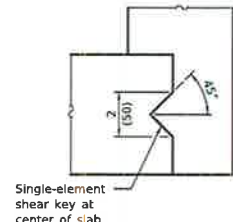
GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

1. A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 24 (600).
2. A minimum 9 (230) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
3. A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
4. Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
5. The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
6. Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



BASE SLAB JOINT CONFIGURATIONS

Joint configurations C and D require the unit to be lifted from the top of the base slab. Lifting from the walls shall not be permitted without providing additional wall reinforcement extending to the bottom of the wall.



Single-element shear key at center of slab
SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.
Lifting holes shall be located in the sections as per the manufacturer's recommendations, except as noted.
See Standard E02701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

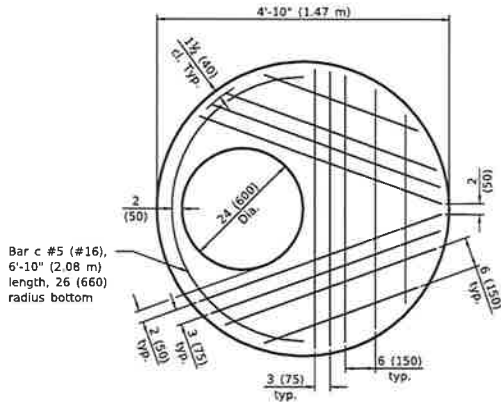
46111 09/05/18

DATE	REVISIONS
1-1-19	Expanded / refined reinforcement options. Increased manhole depths.
1-1-18	Expanded / revised base slab connections included geometric limits. Renamed standard.

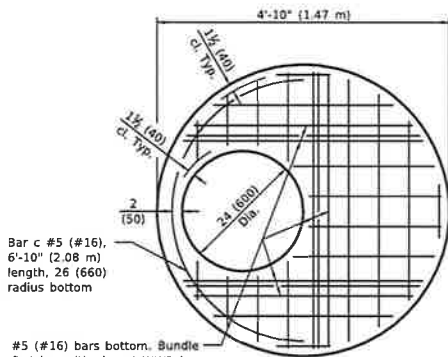
PRECAST MANHOLE TYPE A
4' (1.22 m) DIAMETER

(Sheet 1 of 2)

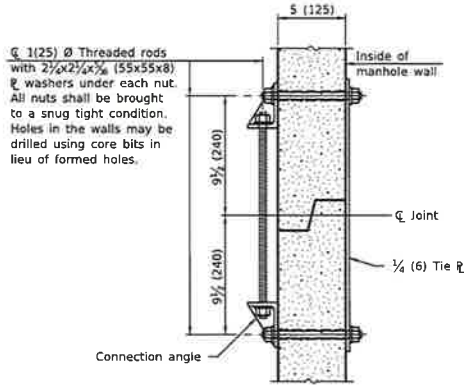
STANDARD 602401-05



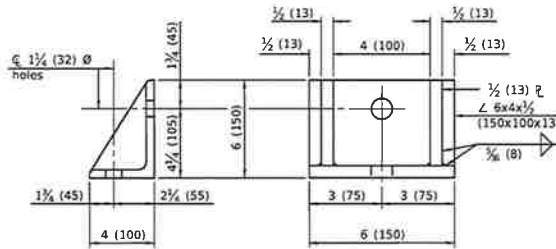
PLAN - FLAT SLAB TOP
(Showing layout of reinforcement bars and c bars)



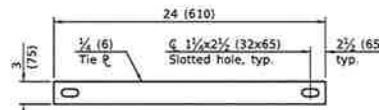
PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

Ø 1/2 (12.5) Threaded rods with 2 1/2 x 2 1/2 x 3/8 (55x55x8) washers under each nut. All nuts shall be brought to a snug tight condition. Holes in the walls may be drilled using core bits in lieu of formed holes.

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar		Bar Size
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)	
Bottom Mat	** 0.62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#5 (#16)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		A _s (min.)	Spacing (max.)
Riser - Inside Mat	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel - Inside Mat	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m)	3 (75)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A _s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)

Illinois Department of Transportation

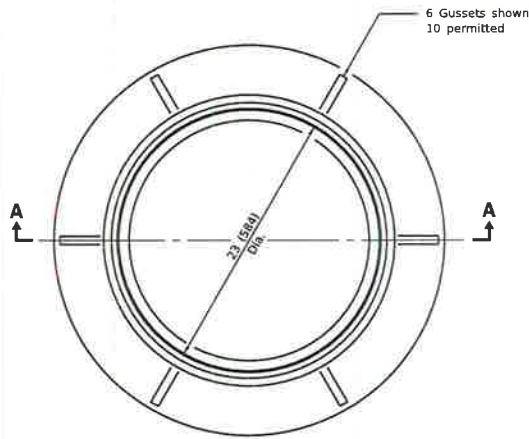
PASSED January 1, 2019
 ISSUED 1-1-97

ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

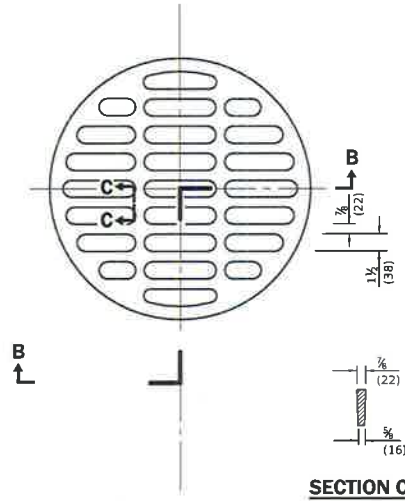
PRECAST MANHOLE TYPE A
4' (1.22 m) DIAMETER

(Sheet 2 of 2)

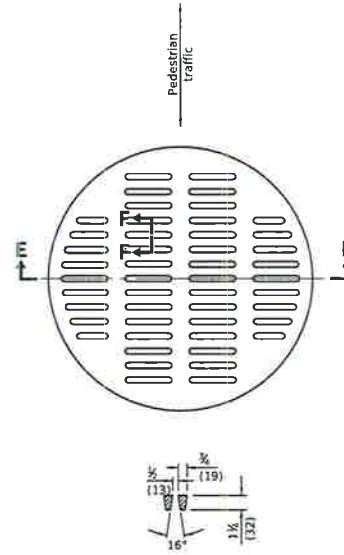
STANDARD 602401-05



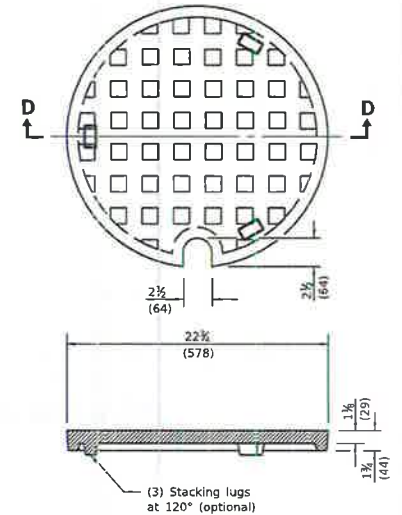
CAST FRAME



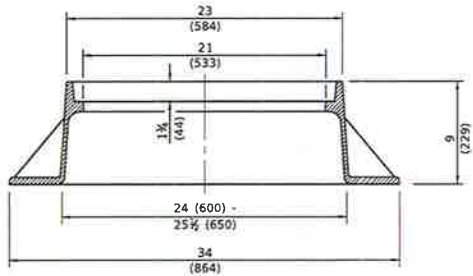
SECTION C-C



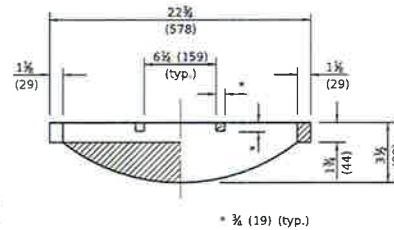
SECTION F-F



SECTION D-D

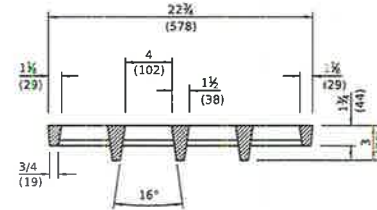


SECTION A-A
Gray Iron



SECTION B-B

CAST OPEN LID
Gray Iron



SECTION E-E

**ADA COMPLIANT
CAST OPEN LID**

CAST CLOSED LID
Gray Iron 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

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**

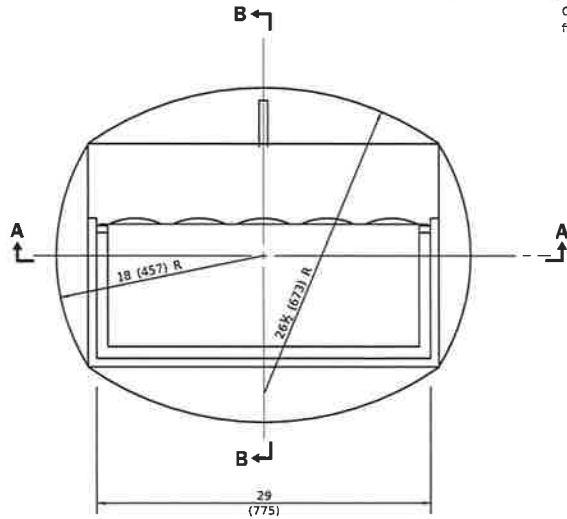
STANDARD 604001-04

OWNER COPY

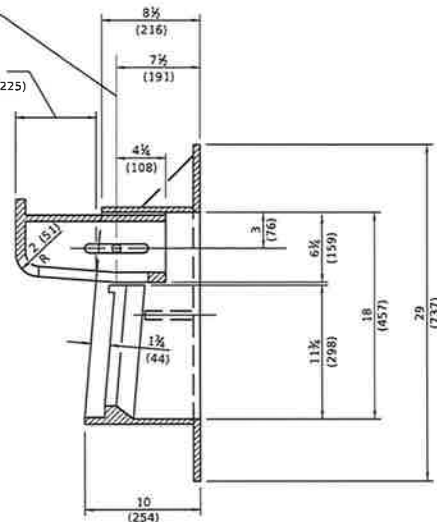
CONTRACT

Ø 5/8 (10) Dia. hole and 3/8x5 1/2 (16x140) slotted hole for galvanized 1/2 (M12) bolt, nut, and washer.

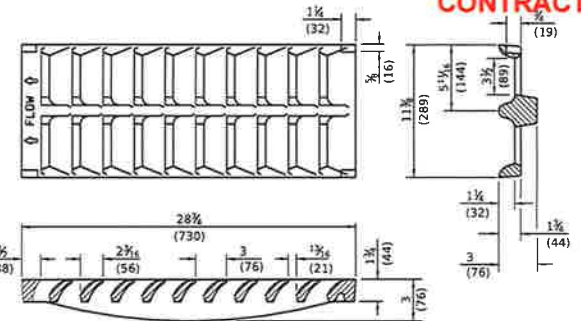
Curb box adjustable from 4 1/2 (115) to 9 (225)



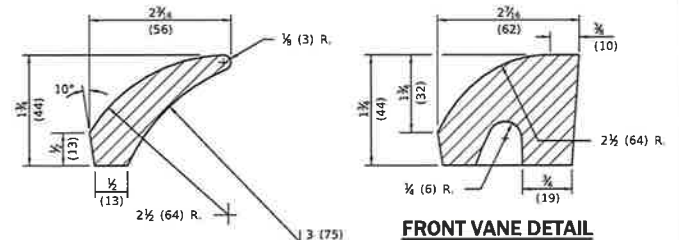
CAST FRAME



SECTION B-B

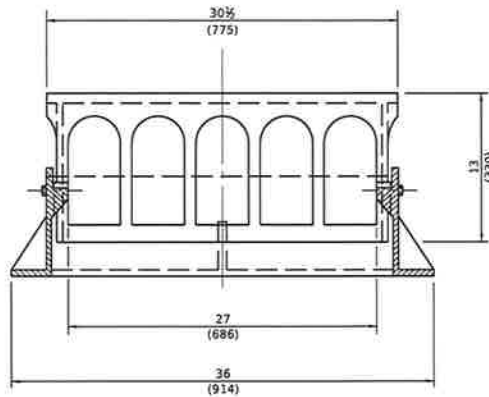


CAST GRATE

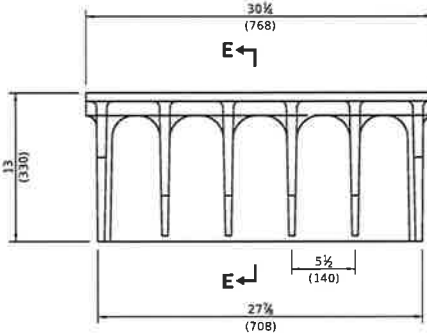


FRONT VANE DETAIL

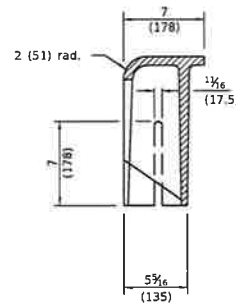
VANE DETAIL



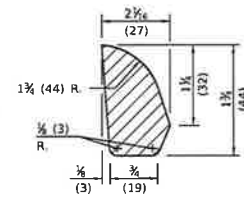
SECTION A-A



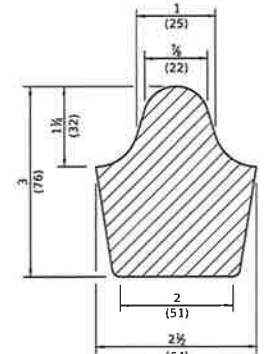
ALTERNATE CURB BOX



SECTION E-E



SIDE RIB DETAIL



MIDDLE RIB DETAIL

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 3, 2015

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 3, 2015

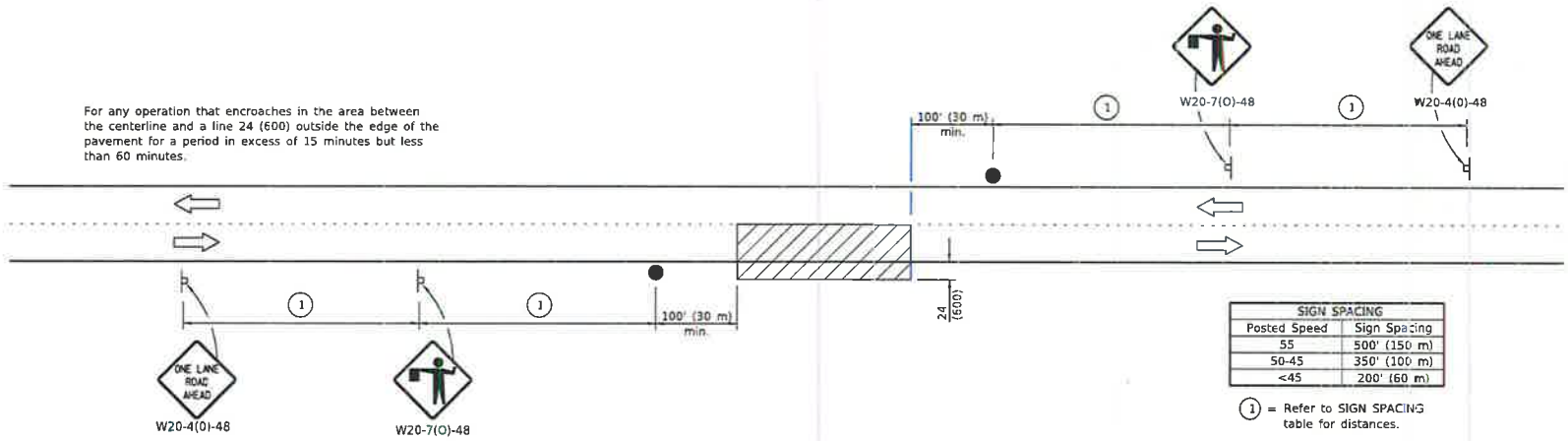
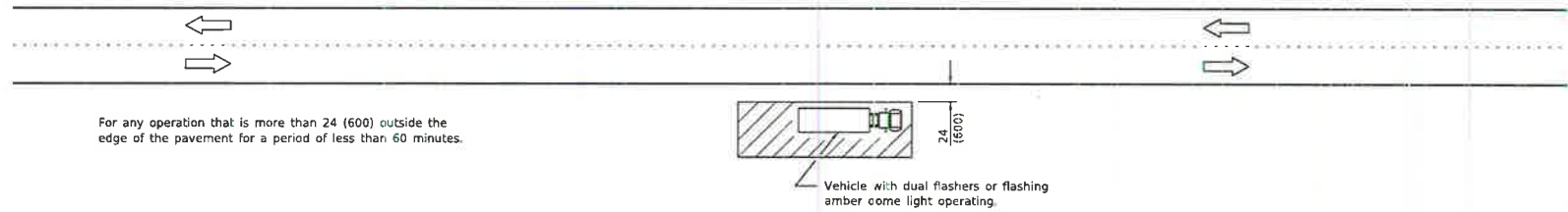
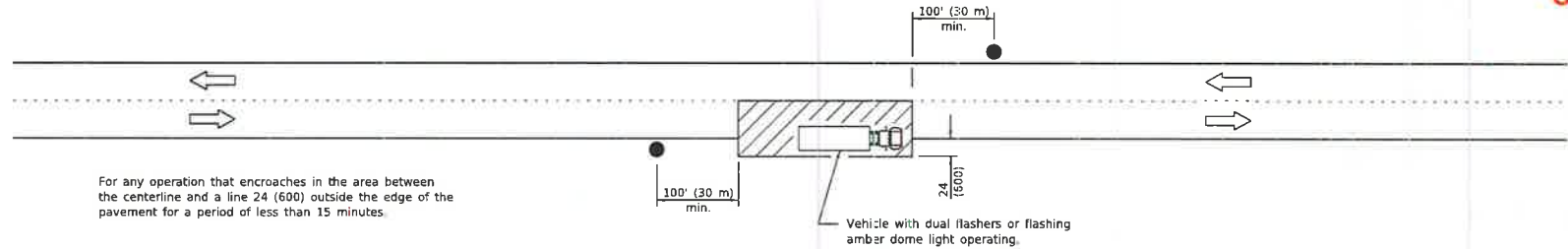
ENGINEER OF DESIGN AND ENVIRONMENT

IN-11 CURBBOX

DATE	REVISIONS
1-1-15	Revised dimensions of frame and alternate curb box.
1-1-09	Switched units to English (metric).

**FRAME AND GRATE
TYPE 11V**

STANDARD 604056-04



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

PASSED January 1, 2011

ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011

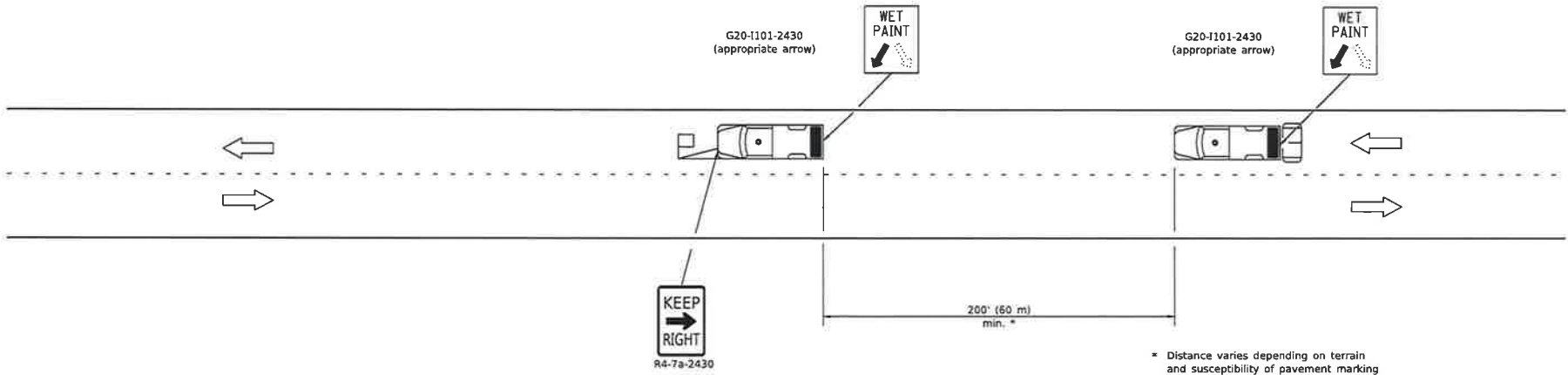
ENGINEER OF DESIGN AND ENVIRONMENT

68111 08/85

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
- Roadometer 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

PASSED January 1, 2009
 ENGINEER OF OPERATIONS

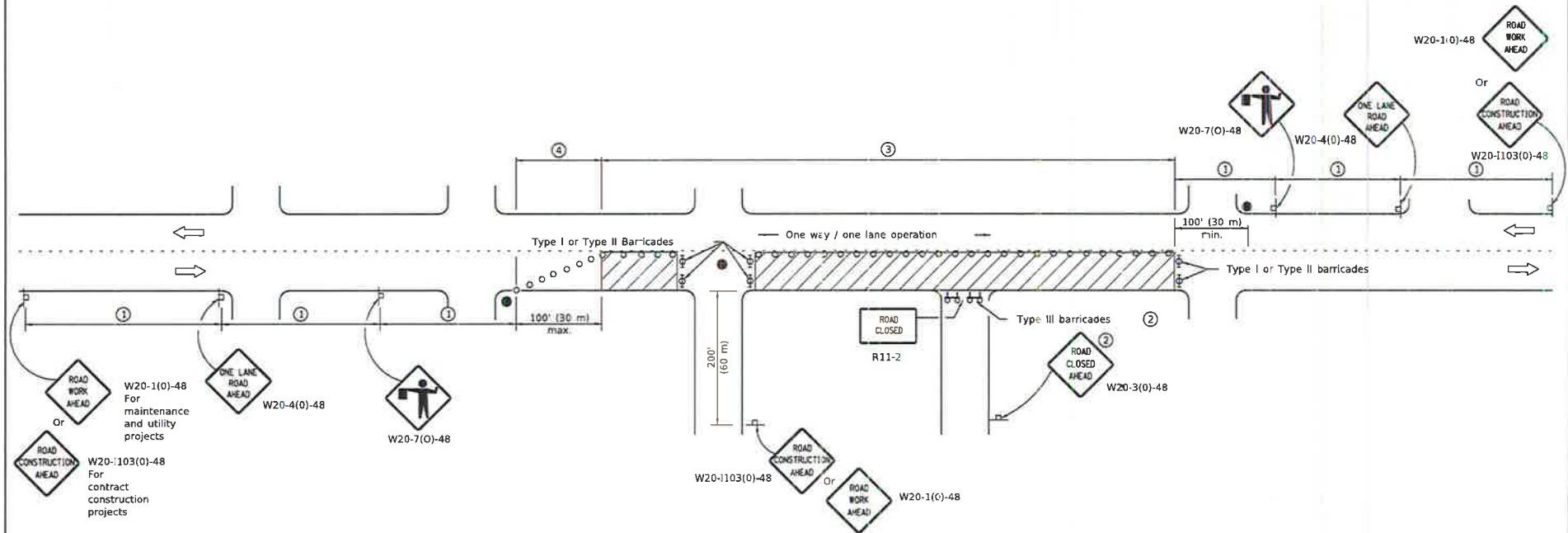
APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-09

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



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

- ① Refer to SIGN SPACING TABLE for distances.
- ② For approved sideroad closures.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s

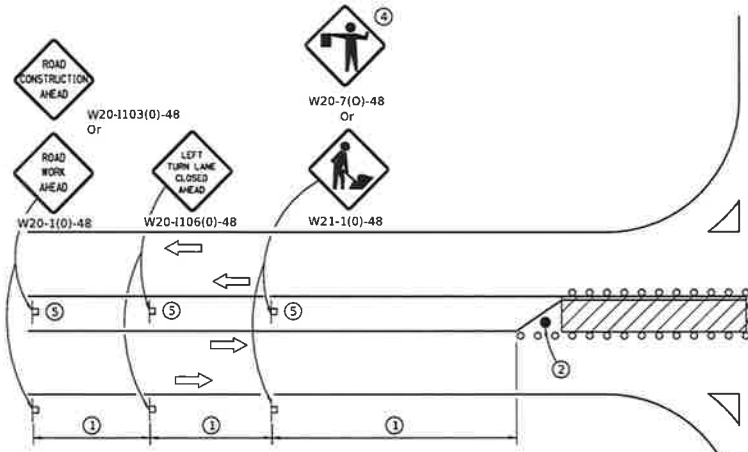
**URBAN LANE CLOSURE,
2L, 2W, UNDIVIDED**

STANDARD 701501-06

Illinois Department of Transportation

PASSED January 1, 2011
 ENGINEER OF SAFETY ENGINEERING
 APPROVED January 1, 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

48 1-1 07/08



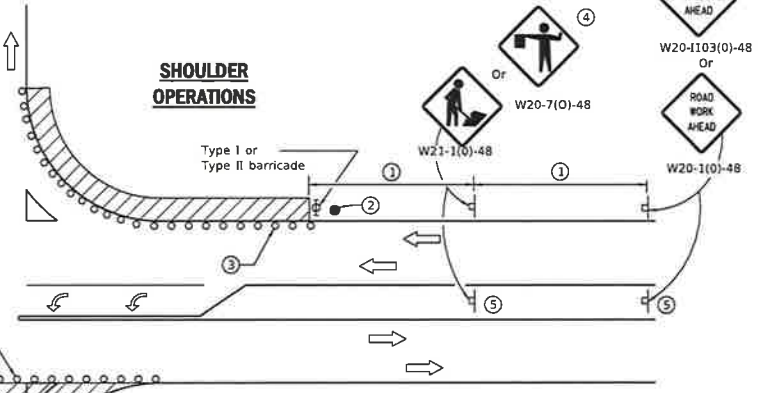
LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

- ① Refer to SIGN SPACING TABLE for distance.
- ② Required for speed > 40 mph.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Use flagger sign only when flagger is present.
- ⑤ Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Advanced arrow board required for speeds > 45 mph.
- ⑧ Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

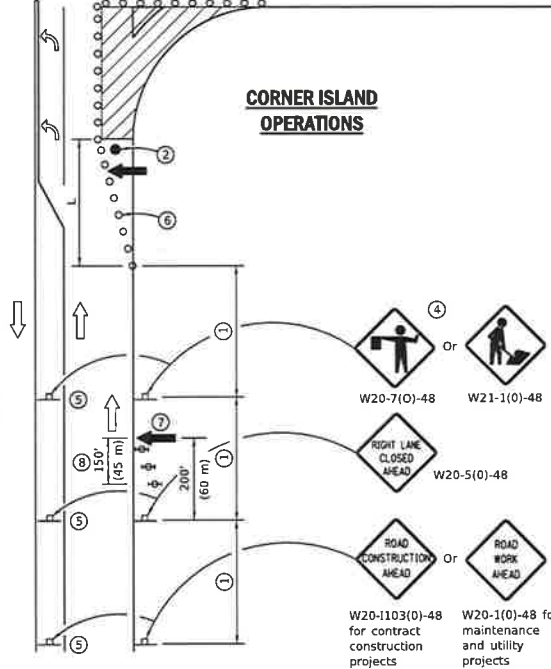
SYMBOLS

- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign



SHOULDER OPERATIONS

CORNER ISLAND OPERATIONS



GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT

FORMULAS
English (Metric)

40 mph (70 km/h) or less:

$$L = \frac{WS^2}{60} \quad L = \frac{WS^2}{150}$$

45 mph (80 km/h) or greater:

$$L = (W)(S) \quad L = 0.65(W)(S)$$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper.
	Rev. workers sign number.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

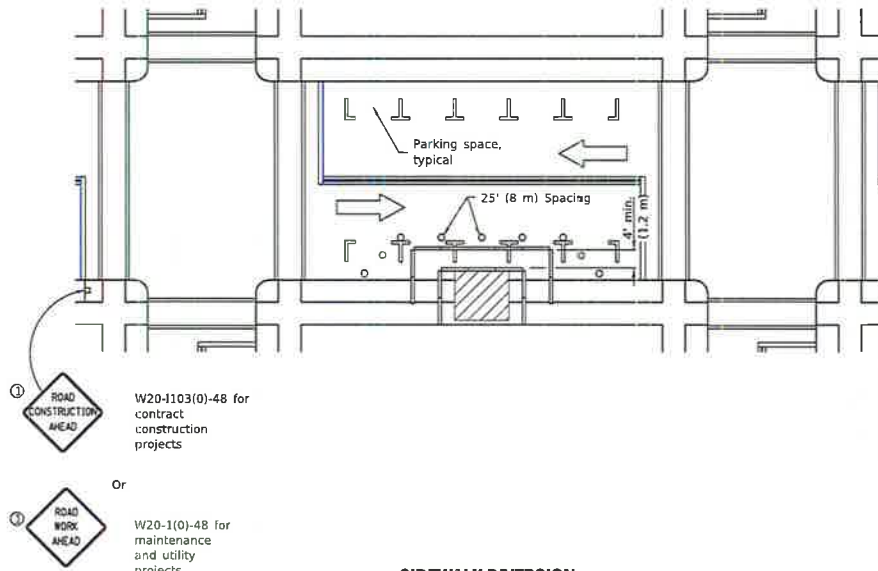
STANDARD 701701-10

Illinois Department of Transportation

PASSED April 1, 2016
 APPROVED April 1, 2016

ENGINEER OF SAFETY ENGINEERING
 ENGINEER OF DESIGN AND ENVIRONMENT

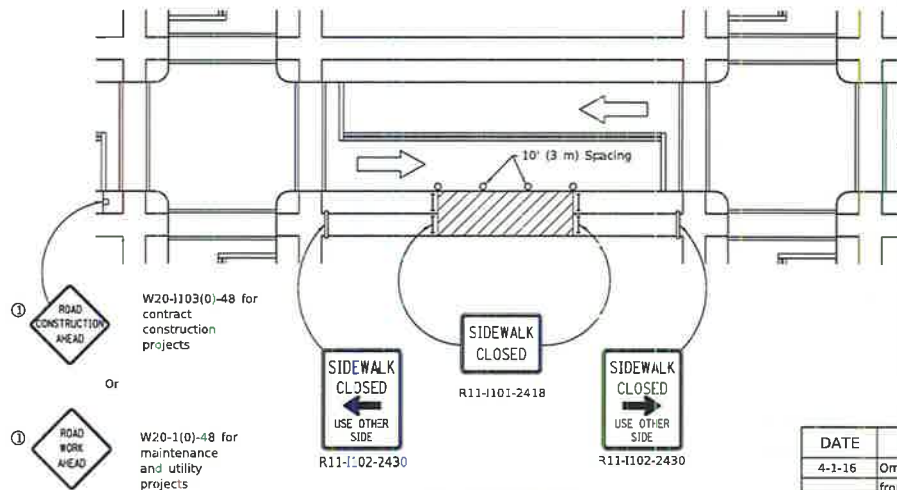
ISSUED 1-1-97



SIDEWALK DIVERSION

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade



SIDEWALK CLOSURE

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 std. spec.
1-1-12	Added SIDEWALK DIVERSION Modified appearance of plan views. Renamed Std.

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

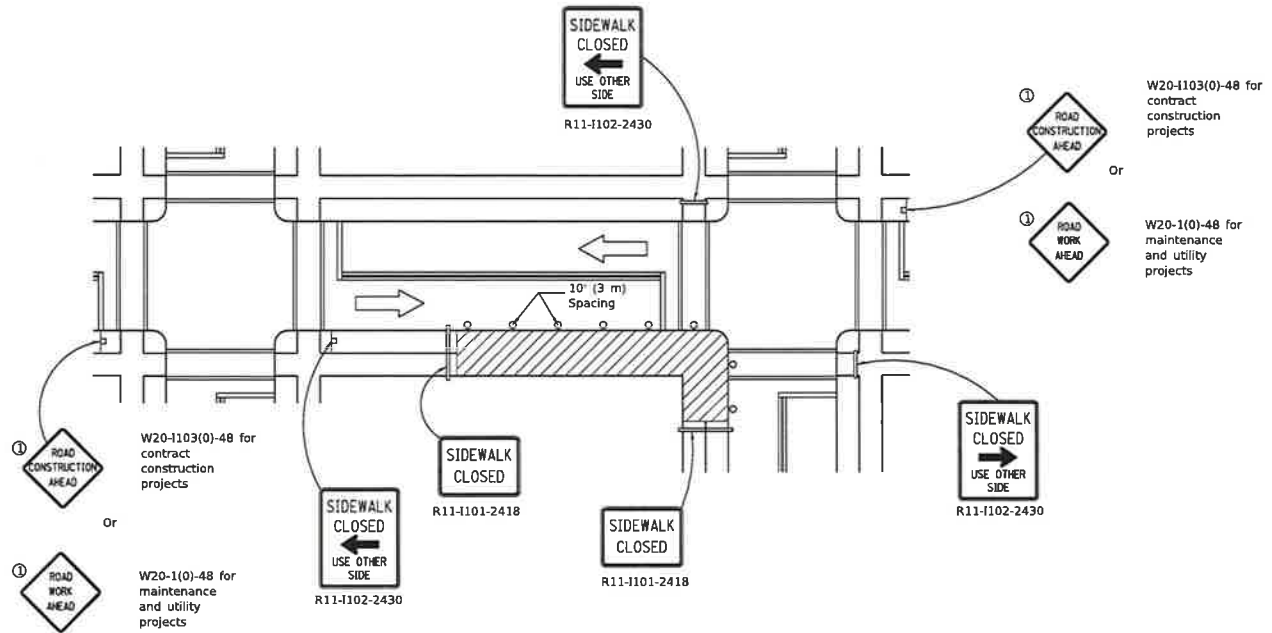
STANDARD 701801-06

Illinois Department of Transportation

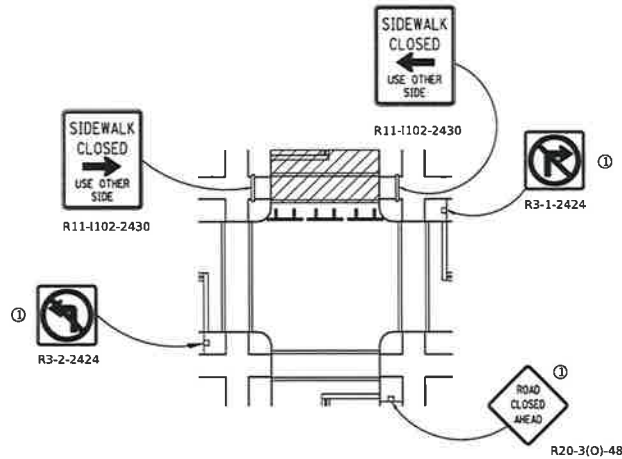
PASSED APR 1 2016
 ENGINEER OF SAFETY ENGINEERING

APPROVED APR 1 2016
 ENGINEER OF DESIGN AND ENVIRONMENT

461-1 01/15/16



CORNER CLOSURE



CROSSWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE

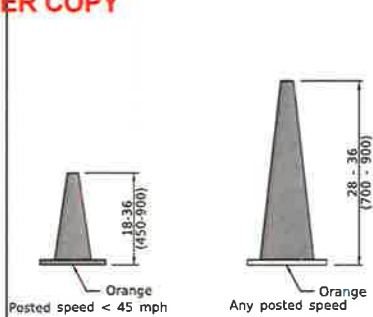
(Sheet 2 of 2)

STANDARD 701801-06

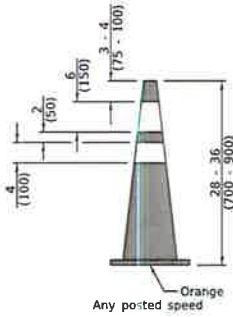
Illinois Department of Transportation

PASSED April 1, 2016
 ENGINEER OF SAFETY ENGINEERING
 APPROVED April 1, 2016
 ENGINEER OF DESIGN AND ENVIRONMENT

STANDARD 701801-06

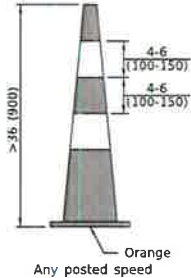


DAYTIME USE



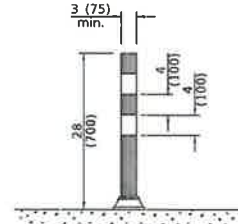
Any posted speed

DAY OR NIGHTTIME USE

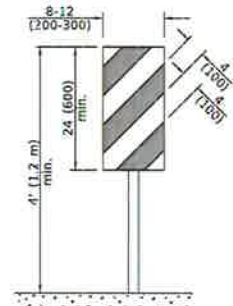


Any posted speed

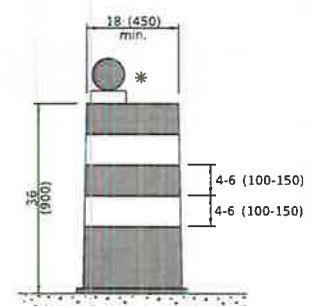
CONES



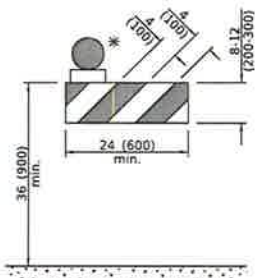
TUBULAR MARKER



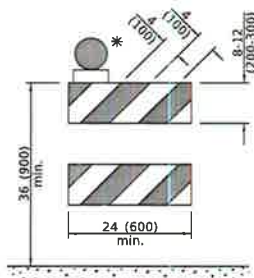
VERTICAL PANEL
POST MOUNTED



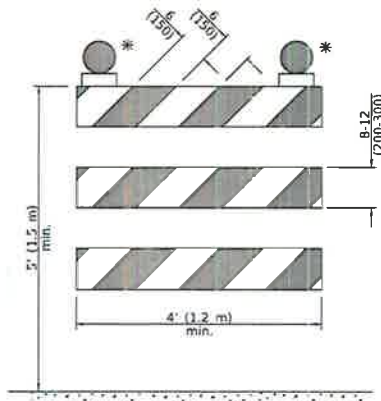
DRUM



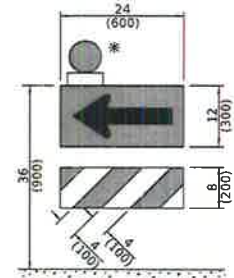
TYPE I BARRICADE



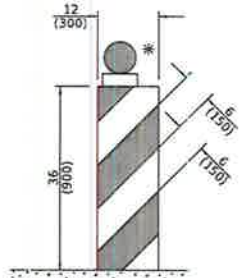
TYPE II BARRICADE



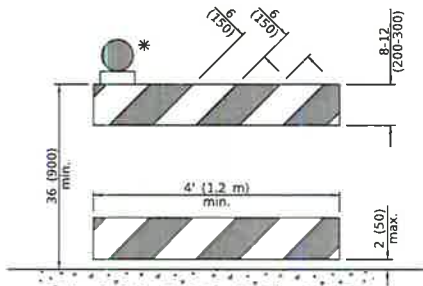
TYPE III BARRICADE



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.

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROC. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

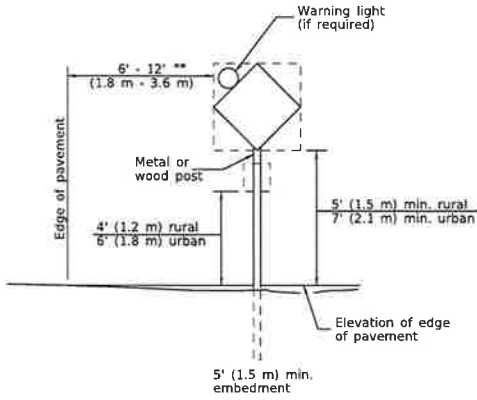
CITY OF CHICAGO

DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 mm) height.
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

TRAFFIC CONTROL DEVICES

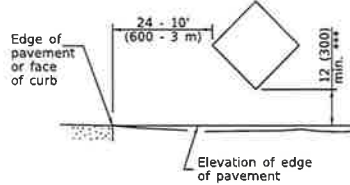
(Sheet 1 of 3)

STANDARD 701901-08



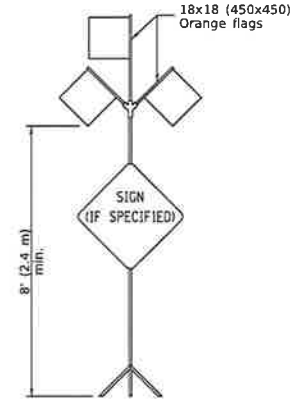
POST MOUNTED SIGNS

** 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.



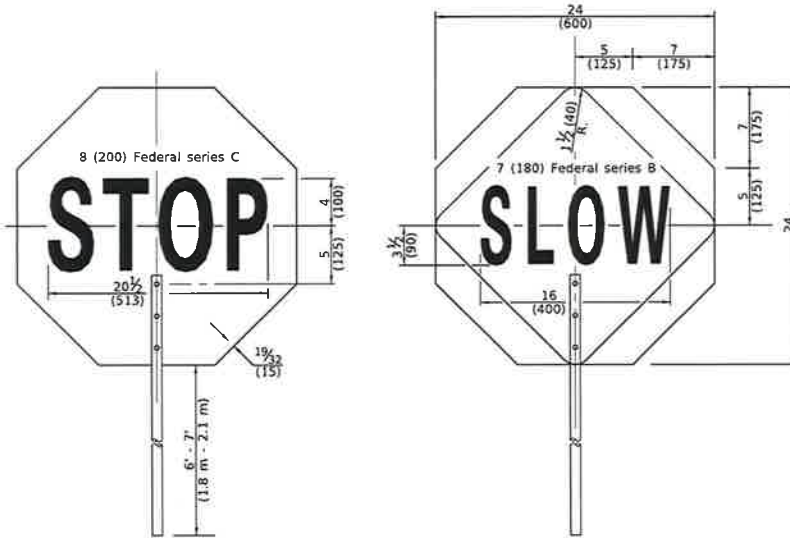
HIGH LEVEL WARNING DEVICE



W12-1103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FRONT SIDE

REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

ROAD CONSTRUCTION NEXT X MILES
G20-1104(0)-6036

END CONSTRUCTION
G20-1105(0)-6024

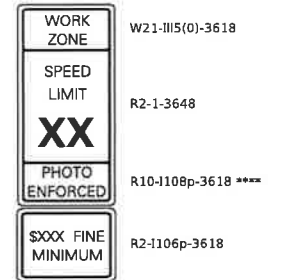
This signing is required for all projects 2 miles (3200 m) or more in length.

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



Sign assembly as shown on Standards or as allowed by District Operations.



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.

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

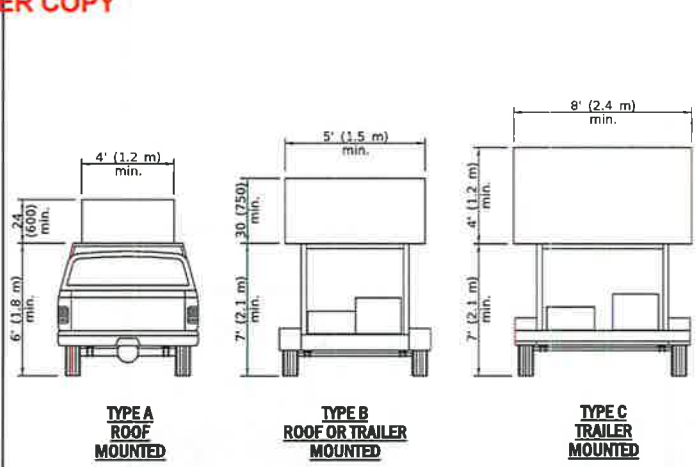
STANDARD 701901-08

Illinois Department of Transportation

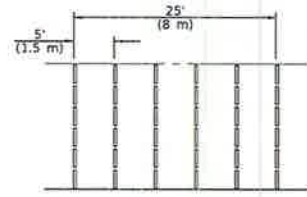
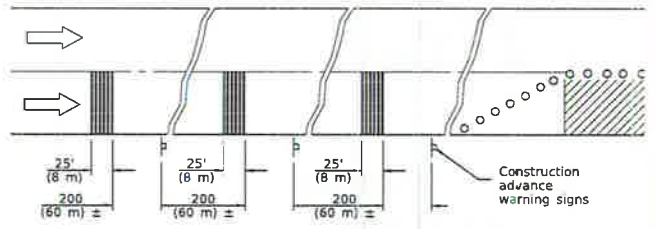
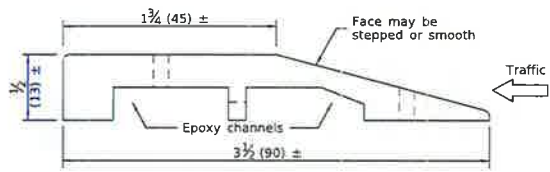
APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

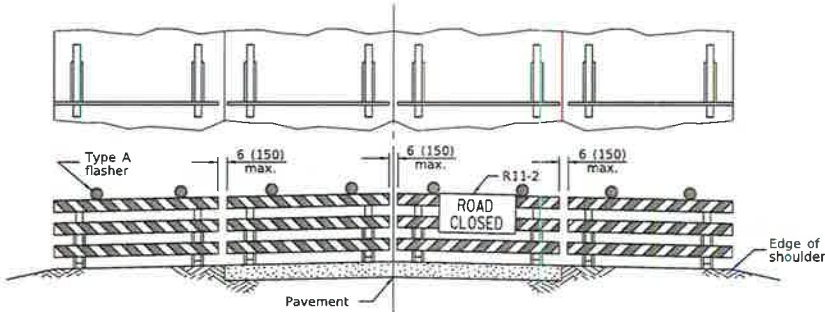
ELI T. OBRISI



ARROW BOARDS

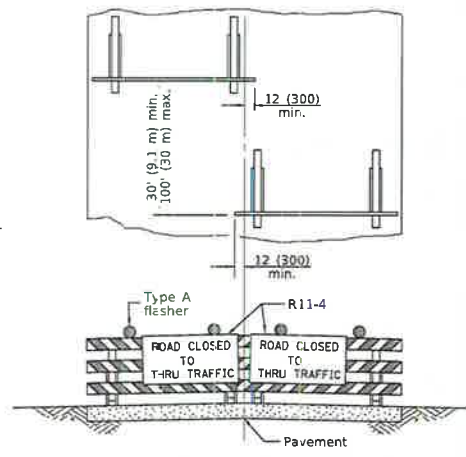


TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

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.



ROAD CLOSED TO THRU TRAFFIC

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 1, 2019

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019

ENGINEER OF DESIGN AND ENVIRONMENT

E11-1-1 03/05/09

TRAFFIC CONTROL DEVICES

STANDARD 701901-08

ABV ABOVE	CU YD CUBIC YARD	HD HEAD	PED PEDESTAL	STD STANDARD
A/C ACCESS CONTROL	CULV CULVERT	HDW HEADWALL	PNT POINT	SEI STATE BOND ISSUE
AC ACRE	C&G CURB & GUTTER	HDUTY HEAVY DUTY	PC POINT OF CURVATURE	SR STATE ROUTE
ADJ ADJUST	D DEGREE OF CURVE	ha HECTARE	PI 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)	DSFL DOWNSTREAM FLOWLINE	IN DIA INCH DIAMETER	PRM PRIME	S.E. RUN. SUPERELEVATION RUNOFF LENGTH
AVE AVENUE	DR DRAINAGE OR DRIVE	INL INLET	PE PRIVATE ENTRANCE	SURF SURFACE
AX AXIS OF ROTATION	DI DRAINAGE INLET OR DROP INLET	INST INSTALLATION	PROF PROFILE	SMK SURVEY MARKER
BK BACK	DRV DRIVEWAY	IDS INTERSECTION DESIGN STUDY	PGL PROFILE GRADELINE	T TANGENT DISTANCE
B-B BACK TO BACK	DCT DUCT	IP IRON PIPE	PROJ PROJECT	T.R. TANGENT RUNOUT DISTANCE
BKPL BACKPLATE	EA EACH	IR IRON ROD	P.C. PROPERTY CORNER	TEL TELEPHONE
B BARN	EB EASTBOUND	JT JOINT	PL PROPERTY LINE	TB TELEPHONE BOX
BARR BARRICADE	EOP EDGE OF PAVEMENT	kg KILOGRAM	PR PROPOSED	TP TELEPHONE POLE
BGN BEGIN	E-CL EDGE TO CENTERLINE	km KILOMETER	R RADIUS	TEMP TEMPORARY
BM BENCHMARK	E-E EDGE TO EDGE	LS LANDSCAPING	RR RAILROAD	TBM TEMPORARY BENCH MARK
BIND BINDER	EL ELEVATION	LN LANE	RRS RAILROAD SPIKE	TD TILE DRAIN
BIT BITUMINOUS	ENTR ENTRANCE	LT LEFT	RPS REFERENCE POINT STAKE	TBE TO BE EXTENDED
BTM BOTTOM	EXC EXCAVATION	LP LIGHT POLE	REF REFLECTIVE	TBR TO BE REMOVED
BLVD BOULEVARD	EX EXISTING	LG LIGHTING	RCCP REINFORCED CONCRETE CULVERT PIPE	TBS TO BE SAVED
BRK BRICK	EXPWAY EXPRESSWAY	LF LINEAL FEET OR LINEAR FEET	REINF REINFORCEMENT	TWP TOWNSHIP
BBOX BUFFALO BOX	E EXTERNAL DISTANCE OF HORIZONTAL CURVE	L LITER OR CURVE LENGTH	REM REMOVAL	TR TOWNSHIP ROAD
BLDG BUILDING	E OFFSET DISTANCE TO VERTICAL CURVE	LC LONG CHORD	RC REPLACE CROWN	TS TRAFFIC SIGNAL
CIP CAST IRON PIPE	F-F FACE TO FACE	LNG LONGITUDINAL	REP REPLACEMENT	TSCB TRAFFIC SIGNAL CONTROL BOX
CB CATCH BASIN	FA FEDERAL AID	L SUM LUMP SUM	REST RESTAURANT	TSC TRAFFIC SYSTEMS CENTER
C-C CENTER TO CENTER	FAI FEDERAL AID INTERSTATE	MACH MACHINE	RESURF RESURFACING	TRVS TRANSVERSE
CL CENTERLINE OR CLEARANCE	FAP FEDERAL AID PRIMARY	MB MAIL BOX	RET RETAINING	TRVL TRAVEL
CL-E CENTERLINE TO EDGE	FAS FEDERAL AID SECONDARY	MH MANHOLE	RT RIGHT	TRN TURN
CL-F CENTERLINE TO FACE	FAUS FEDERAL AID URBAN SECONDARY	MATL MATERIAL	ROW RIGHT-OF-WAY	TY TYPE
CTS CENTERS	FP FENCE POST	MED MEDIAN	RD ROAD	T-A TYPE A
CERT CERTIFIED	FE FIELD ENTRANCE	m METER	RDWY ROADWAY	TYP TYPICAL
CHSLD CHISELED	FH FIRE HYDRANT	METH METHOD	ROUTE ROUTE	UNDGND UNDERGROUND
CS CITY STREET	FL FLOW LINE	M MID-ORDINATE	SAN SANITARY	USGS U.S. GEOLOGICAL SURVEY
CP CLAY PIPE	FB FOOT BRIDGE	mm MILLIMETER	SANS SANITARY SEWER	USEL UPSTREAM ELEVATION
CLSD CLOSED	FDN FOUNDATION	mm DIA MILLIMETER DIAMETER	SEC SECTION	USFL UPSTREAM FLOWLINE
CLUD CLOSED LID	FR FRAME	MIX MIXTURE	SEED SEEDING	UTIL UTILITY
CT COAT OR COURSE	F&G FRAME & GRATE	MBH MOBILE HOME	SHAP SHAPING	VBOX VALVE BOX
COMB COMBINATION	FRWAY FREEWAY	MOD MODIFIED	S SHED	VV VALVE VAULT
C COMMERCIAL BUILDING	GAL GALLON	MFT MOTOR FUEL TAX	SH SHEET	VL VALT
CE COMMERCIAL ENTRANCE	GALV GALVANIZED	N & BC NAIL & BOTTLE CAP	SHLD SHOULDER	VEH VEHICLE
CONC CONCRETE	G GARAGE	N & C NAIL & CAP	SW SIDEWALK OR SOUTHWEST	VP VENT PIPE
CONST CONSTRUCT	GM GAS METER	N & W NAIL & WASHER	SIG SIGNAL	VERT VERTICAL
CONTD CONTINUED	GV GAS VALVE	NOAA NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION	SOD SODDING	VC VERTICAL CURVE
CONT CONTINUOUS	GRAN GRANULAR	NC NORMAL CROWN	SM SOLID MEDIAN	VPC VERTICAL POINT OF CURVATURE
COR CORNER	GR GRATE	NB NORTHBOUND	SB SOUTHBOUND	VPI VERTICAL POINT OF INTERSECTION
CORR CORRUGATED	GRVL GRAVEL	NE NORTHEAST	SE SOUTHEAST	VPT VERTICAL POINT OF TANGENCY
CMP CORRUGATED METAL PIPE	GND GROUND	NW NORTHWEST	SPL SPECIAL	WM WATER METER
CNTY COUNTY	GUT GUTTER	OLID OPEN LID	SD SPECIAL DITCH	WV WATER VALVE
CH COUNTY HIGHWAY	GP GUY POLE	PAT PATTERN	SQ FT SQUARE FEET	WMJN WATER MAIN
CSE COURSE	GW GUY WIRE	PVD PAVED	m ² SQUARE METER	WB WESTBOUND
XSECT CROSS SECTION	HH HANDHOLE	PVMT PAVEMENT	mm ² SQUARE MILLIMETER	WILDFL WILDFLOWERS
m ³ CUBIC METER	HATCH HATCHING	PM PAVEMENT MARKING	SQ YD SQUARE YARD	W WITH
mm ³ CUBIC MILLIMETER			STB STABILIZED	W/O WITHOUT

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DATE	REVISIONS
1-1-19	Added new symbols.
1-1-11	Updated abbreviations and symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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<u>ADJUSTMENT ITEMS</u>	<u>EX</u>	<u>PR</u>	<u>ALIGNMENT ITEMS</u>	<u>EX</u>	<u>PR</u>	<u>DRAINAGE ITEMS</u>	<u>EX</u>	<u>PR</u>
Structure To Be Adjusted		ADJ	Baseline	_____	_____	Channel or Stream Line	-----	-----
Structure To Be Cleaned		C	Centerline	_____	_____	Culvert Line	-----	-----
Main Structure To Be Filled		FM	Centerline Break Circle	○	○	Grading & Shaping Ditches	-----	-----
Structure To Be Filled		F	Baseline Symbol	\	\	Drainage Boundary Line	////	////
Structure To Be Filled Special		FSP	Centerline Symbol	⊕	⊕	Paved Ditch	_____	_____
Structure To Be Removed		R	PI Indicator	△	△	Aggregate Ditch	_____	_____
Structure To Be Reconstructed		REC	Point Indicator	○	○	Pipe Underdrain	-----	-----
Structure To Be Reconstructed Special		RSP	Horizontal Curve Data (Half Size)	CURVE P.I. STA= ΔP= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= ΔP= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	Storm Sewer	-----	-----
Frame and Grate To Be Adjusted		A	<u>BOUNDARIES ITEMS</u>	<u>EX</u>	<u>PR</u>	Flowline	⊥	⊥
Frame and Lid To Be Adjusted		A	Dashed Property Line	-----	-----	Ditch Check	⊕	⊕
Domestic Service Box To Be Adjusted		A	Solid Property/Lot Line	_____	_____	Headwall	—	—
Valve Vault To Be Adjusted		A	Section/Grant Line	-----	-----	Inlet	—	—
Special Adjustment		SP	Quarter Section Line	-----	-----	Manhole	⊙	⊙
Item To Be Abandoned		AB	Quarter/Quarter Section Line	-----	-----	Summit	↔	↔
Item To Be Moved		M	County/Township Line	-----	-----	Roadway Ditch Flow	~>	~>
Item To Be Relocated		REL	State Line	-----	-----	Swale	→	→
Pavement Removal and Replacement	▨		Iron Pipe Found	○		Catch Basin	○	●
			Iron Pipe Set	●		Culvert End Section	△	△
			Survey Marker	⊕		Water Surface Indicator	▽	▽
			Property Line Symbol	P		Riprap	▨	▨
			Same Ownership Symbol (Half Size)	↗		<u>HYDRAULICS ITEMS</u>	<u>EX</u>	<u>PR</u>
			Northwest Quarter Corner (Half Size)	⊕		Overflow	↘	↘
			Section Corner (Half Size)	⊕		Sheet Flow	→	→
			Southeast Quarter Corner (Half Size)	⊕		Hydrant Outlet	→	→

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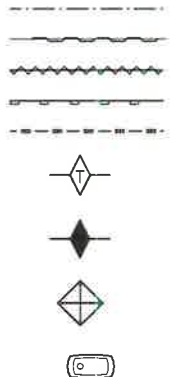
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EROSION & SEDIMENT CONTROL ITEMS

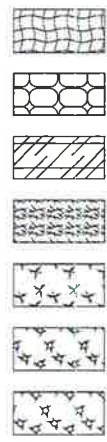
EX

PR

- Cleaning & Grading Limits
- Dike
- Erosion Control Fence
- Perimeter Erosion Barrier
- Temporary Fence
- Ditch Check Temporary
- Ditch Check Permanent
- Inlet & Pipe Protection
- Sediment Basin



- Erosion Control Blanket
- Fabric Formed Concrete Revetment Mat
- Turf Reinforcement Mat
- Mulch Temporary
- Mulch Method 1
- Mulch Method 2 Stabilized
- Mulch Method 3 Hydraulic



CONTOUR ITEMS

EX

PR

- Approx. Index Line
- Approx. Intermediate Line
- Index Contour
- Intermediate Contour

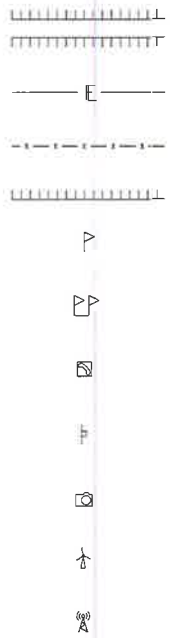


NON-HIGHWAY IMPROVEMENT ITEMS

EX

PR

- Noise Attn./Levee
- Field Line
- Fence
- Base of Levee
- Mailbox
- Multiple Mailboxes
- Pay Telephone
- Advertising Sign
- ITS Camera
- Wind Turbine
- Cellular Tower

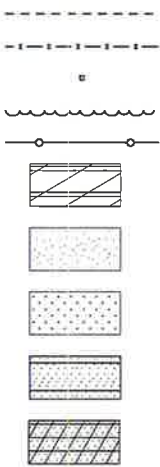


LANDSCAPING ITEMS

EX

PR

- Intelligent Transportation Systems
- Contour Mounding Line
- Fence
- Fence Post
- Shrubs
- Mowline
- Perennial Plants
- Seeding Class 2
- Seeding Class 2A
- Seeding Class 4
- Seeding Class 4 & 5 Combined



CONTRACT

EXISTING LANDSCAPING ITEMS (contd.)

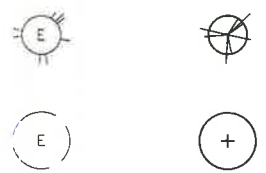
EX

PR

- Seeding Class 5
- Seeding Class 7
- Seedlings Type 1
- Seedlings Type 2
- Sodding
- Mowstake w/Sign
- Tree Trunk Protection



- Evergreen Tree
- Shade Tree

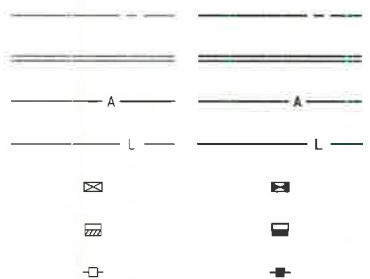


LIGHTING

EX

PR

- Duct
- Conduit
- Electrical Aerial Cable
- Electrical Buried Cable
- Controller
- Underpass Luminaire
- Power Pole



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CONTRACT

**LIGHTING
(contd.)**

EX

PR

Pull Point



Handhole



Heavy Duty Handhole



Junction Box



Light Unit Comb.



Electrical Ground



Traffic Flow Arrow



High Mast Pole
(Half Size)



Light Unit-1



PAVEMENT (MISC.)

EX

PR

Keyed Long. Joint



Keyed Long. Joint w/Tie Bars



Sawed Long. Joint w/Tie Bars



Bituminous Shoulder



Bituminous Taper



Stabilized Driveway



Widening



PAVEMENT MARKINGS

EX

PR

Handicap Symbol



RR Crossing



Raised Marker Amber 1 Way



Raised Marker Amber 2 Way



Raised Marker Crystal 1 Way



Two Way Turn Left



Shoulder Diag. Pattern



Skip-Dash White



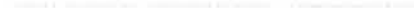
Skip-Dash Yellow



Stop Line



Solid Line



Double Centerline



Dotted Lines



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CONTRACT

PAVEMENT MARKINGS
(contd.)

EX

PR

CL 2Ln 2Way
RRPM 12.2 m (40') o.c.



CL 2Ln 2Way
RRPM 80' (24.4 m) o.c.



CL Multilane Div.
RRPM 40' (12.2 m) o.c.



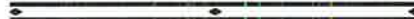
CL Multilane Div.
RRPM 80' (24.4 m) o.c.



CL Multilane Div. Dbl.
RRPM 80' (24.4 m) o.c.



CL Multilane Undiv.



Two Way Turn Left Line



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



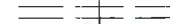
ONLY ONLY ONLY

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

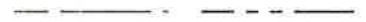
Future ROW Corner Monument



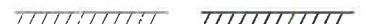
ROW Marker



ROW Line



Easement



Temporary Easement



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PAVEMENT MARKINGS
(contd.)

EX

PR

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



ONLY



Rural Right Turn Only



ONLY



Rural Thru Only



ONLY



Bike Lane Symbol



Bike Lane Text



Bike Path Shared



Bike Shared Roadway



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**STANDARD SYMBOLS,
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**RIGHT OF WAY ITEMS
(contd.)**

	EX	PR
Access Control Line	—	—AC—
Access Control Line & ROW	—AC—	—AC—
Access Control Line & ROW with Fence	—AC—	—AC—
Excess ROW Line		—XS—

**ROADWAY PLAN
ITEMS**

	EX	PR
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	—	—

ROADWAY PROFILES

	EX	PR
P.I. Indicator	▲	▲
Point Indicator	○	○
Earthworks Balance Point		⊗
Begin Point		◐
Vert. Curve Data	VPI = ELEV = L = E =	VPI = ELEV = L = E =
Ditch Profile Left Side	—	—
Ditch Profile Right Side	—	—
Roadway Profile Line	—	—
Storm Sewer Profile Left Side	—	—
Storm Sewer Profile Right Side	—	—

SIGNING ITEMS

	EX	PR
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)	◇	◇

**SIGNING ITEMS
(contd.)**

	EX	PR
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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<u>SIGNING ITEMS</u> <u>(contd.)</u>		<u>EX</u>	<u>PR</u>	<u>STRUCTURES ITEMS</u>		<u>EX</u>	<u>PR</u>	<u>TRAFFIC SHEET ITEMS</u>		<u>EX</u>	<u>PR</u>
One Way Arrow Lrg. W1-6-(O) (Half Size)				Box Culvert Barrel	-----	-----		Cable Number			
Two Way Arrow Large W1-7-(O) (Half Size)				Box Culvert Headwall	-----	-----		Left Turn Green			
Detour M4-10L-(O) (Half Size)				Bridge Pier	-----	-----		Left Turn Yellow			
Detour M4-10R-(O) (Half Size)				Bridge	-----	-----		Signal Backplate			
One Way Left R6-1L (Half Size)				Retaining Wall	-----	-----		Signal Section 8" (200 mm)			
One Way Right R6-1R (Half Size)				Temporary Sheet Piling				Signal Section 12" (300 mm)			
Left Turn Lane R3-1100L (Half Size)								Walk/Don't Walk Letters			
Keep Left R4-7AL (Half Size)								Walk/Don't Walk Symbols			
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)											
Illinois Department of Transportation PASSED January 3, 2019 ENGINEER OF POLICY AND PROCEDURES APPROVED January 3, 2019 ENGINEER OF DESIGN AND ENVIRONMENT								<u>TRAFFIC SIGNAL ITEMS</u>		<u>EX</u>	<u>PR</u>
								Galv. Steel Conduit	-----	-----	
								Underground Cable	-----	-----	
								Detector Loop Line	-----	-----	
								Detector Loop Large			
								Detector Loop Small			
								Detector Loop Quadrapole			

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CONTRACT

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		
Monitoring Well (Gasoline)		
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		
Vegetat on Line		
Woods & Bush Line		

WATER FEATURE ITEMS

	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Ditch		
Marsh		
Marsh/Swamp Boundary		

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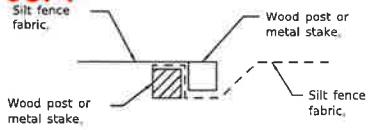
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ENGINEER OF POLICY AND PROCEDURES

APPROVED: *[Signature]* January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED: 4611-1-17

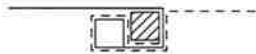
OWNER COPY

CONTRACT



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 1

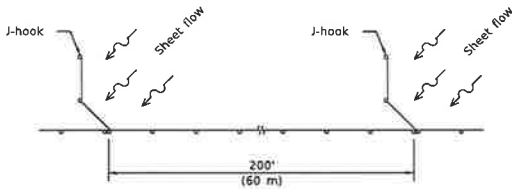


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

STEP 2

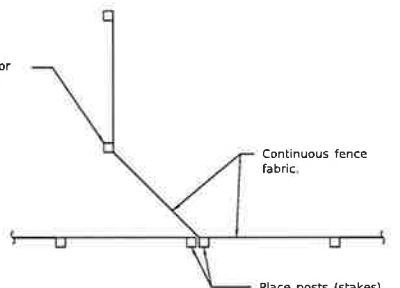
ATTACHING TWO SILT FILTER FENCES

(Not applicable for J-hooks)



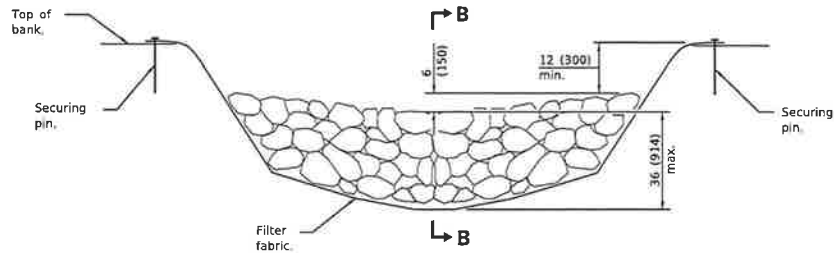
SILT FILTER J-HOOK PLACEMENT

Wood post or metal stake (typical).



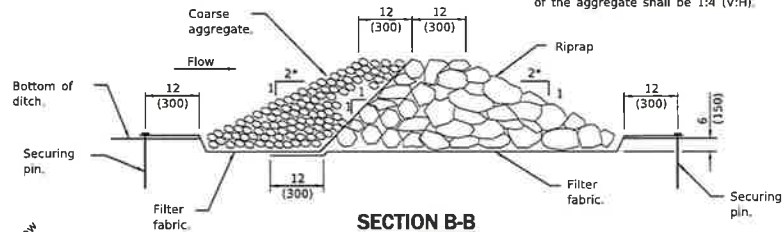
Place posts (stakes) adjacently and bind at top with wire.

J-HOOK



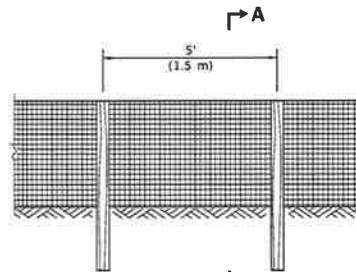
ELEVATION

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).



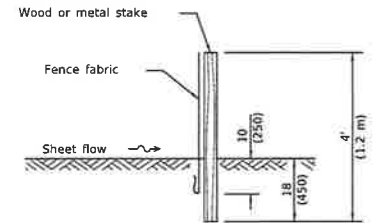
SECTION B-B

AGGREGATE DITCH CHECK

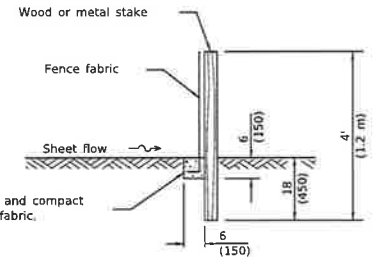


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

Excavate, backfill and compact trench to secure fabric.

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.

TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

STANDARD 280001-07

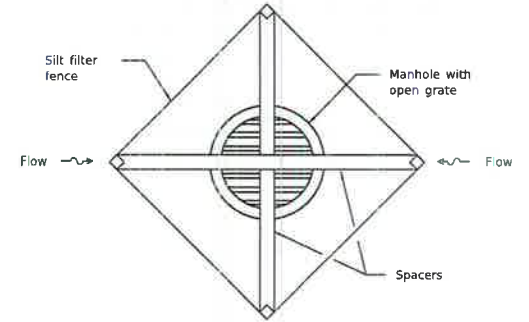
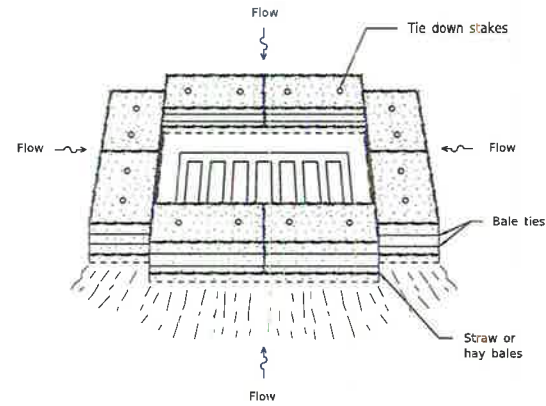
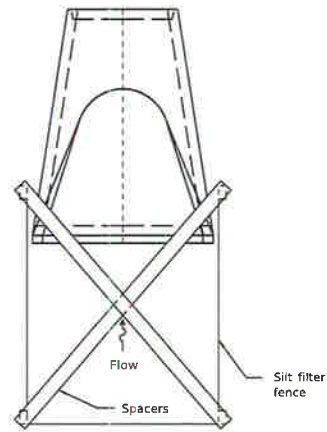
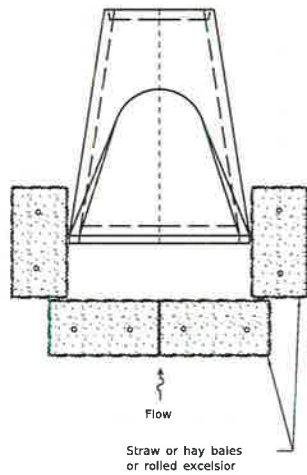
Illinois Department of Transportation

PASSED January 1, 2013
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

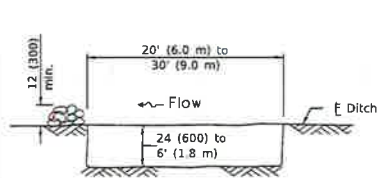
APPROVED January 1, 2013
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

SDG000 1-1-07

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.

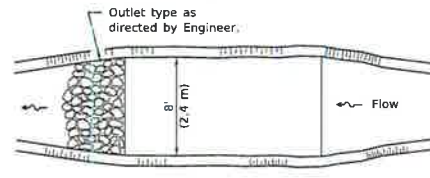


INLET AND PIPE PROTECTION



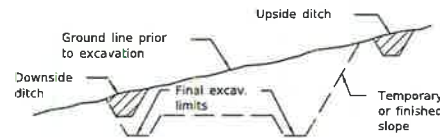
The performance of the basin will improve if put into a series.

ELEVATION

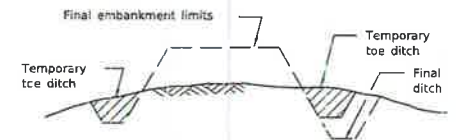


The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

PLAN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

SEDIMENT BASIN

TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 2 of 2)

STANDARD 280001-07

Illinois Department of Transportation

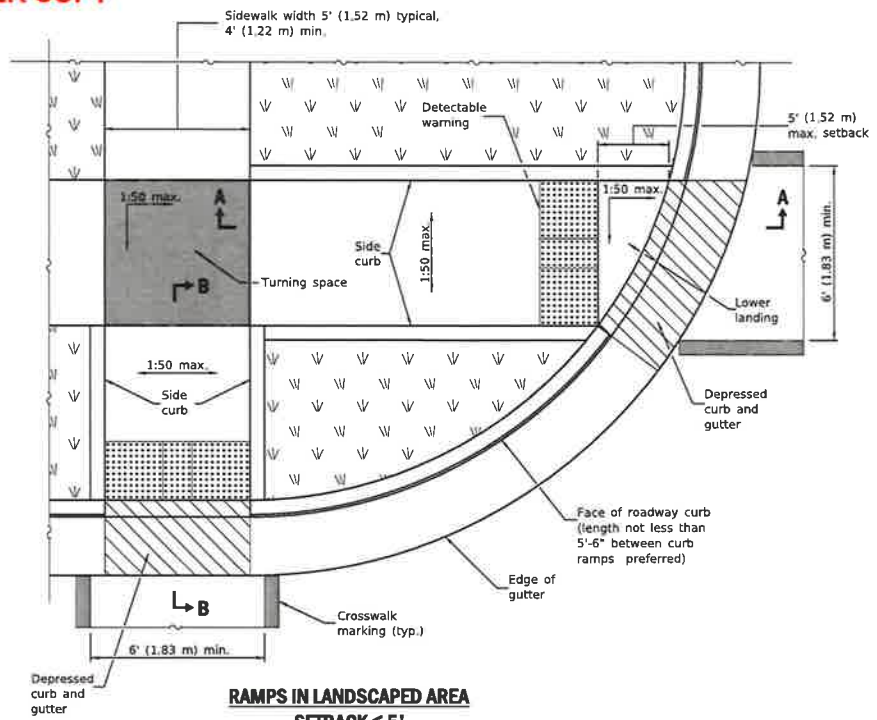
PASSED January 1, 2013
 Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013
 [Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

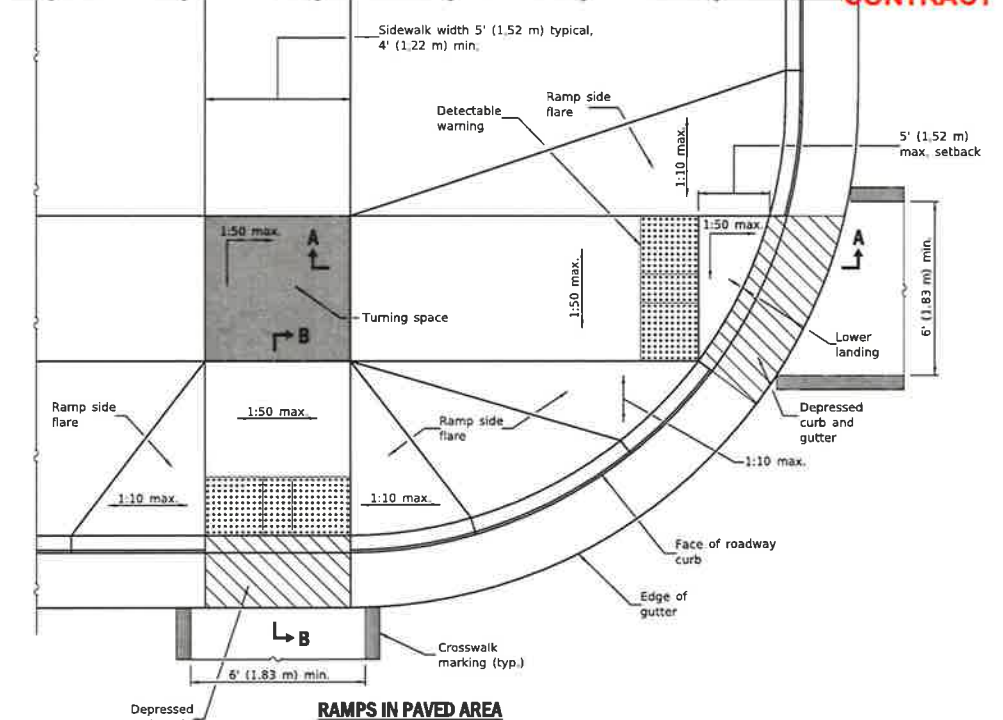
ISSUED 1-1-97

OWNER COPY

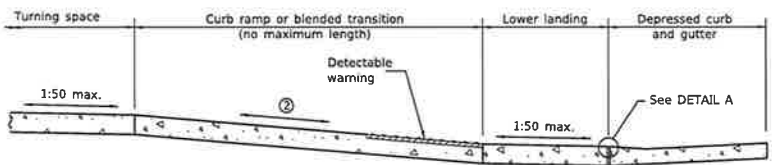
CONTRACT



**RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'**

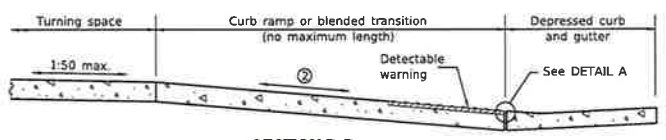


**RAMPS IN PAVED AREA
SETBACK ≤ 5'**



SECTION A-A

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



SECTION B-B

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

See Sheet 2 for GENERAL NOTES.

**PERPENDICULAR CURB RAMPS
FOR SIDEWALKS**

(Sheet 1 of 2)

STANDARD 424001-11

Illinois Department of Transportation

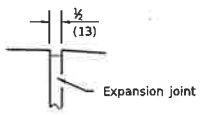
PASSED January 1, 2019

ENGINEER OF POLICY AND PROCEDURES

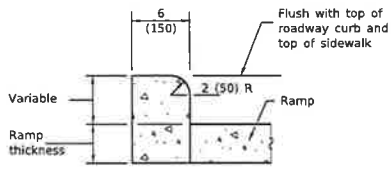
APPROVED January 1, 2019

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

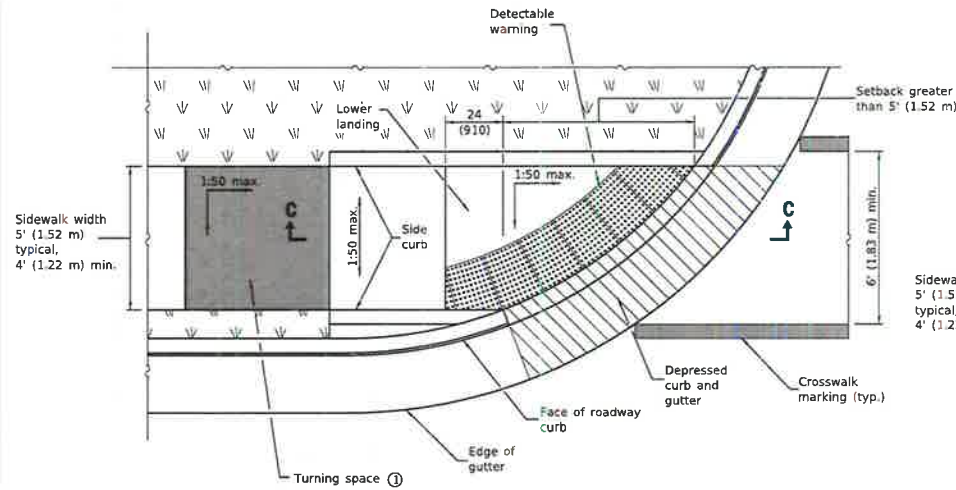


DETAIL A

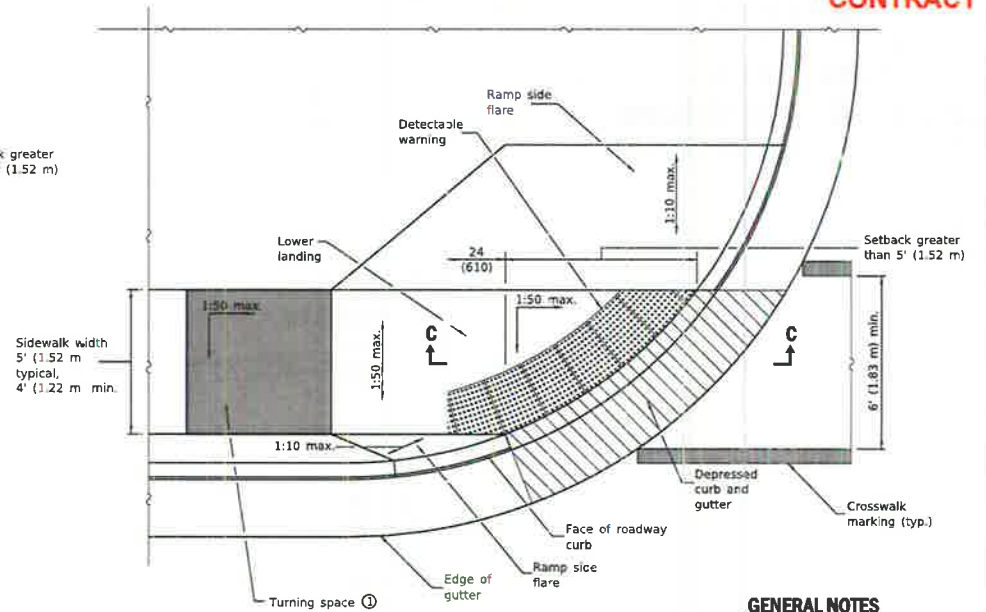


SIDE CURB DETAIL

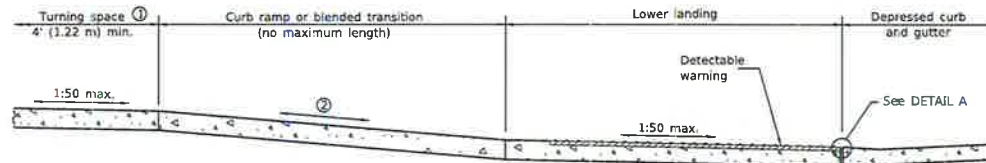
DATE	REVISIONS
1-1-19	Removed "15-foot rule", added "Blended transitions" and placement tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at turning spaces and lower landings.



**RAMP IN LANDSCAPED AREA
SETBACK > 5'**



**RAMP IN PAVED AREA
SETBACK > 5'**



SECTION C-C

- ① This turning space not required for blended transitions.
- ② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

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.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

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 424001-11

Illinois Department of Transportation

PASSED: *[Signature]* January 1, 2019
 ENGINEER OF POLICY AND PROCEDURES

APPROVED: *[Signature]* January 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED: 1-18-19

APPENDIX E

**STORMWATER POLLUTION AND PREVENTION PLAN
NOTICE OF INTENT**

NOTICE OF INTENT (NOI)
GENERAL PERMIT TO DISCHARGE STORM WATER
CONSTRUCTION SITE ACTIVITIES

OWNER INFORMATION

COMPANY/ OWNER NAME:	Village of Villa Park	OWNER TYPE: SELECT ONE City MS4 Community <input type="checkbox"/> Yes <input type="checkbox"/> No			
MAILING ADDRESS:	20 South Ardmore Ave	PHONE:		Area Code (630) Number 834-8505 ext. xxx	
CITY:	Villa Park	STATE:	IL	ZIP CODE:	60181
CONTACT PERSON:	Vydas Juskelis	FAX: Area Code (630) Number 834-8509			
		EMAIL: juskelis@invillapark.com			

CONTRACTOR INFORMATION

CONTRACTOR NAME:					
MAILING ADDRESS:				PHONE: Area Code () Number ext.	
CITY:				STATE:	ZIP CODE:

CONSTRUCTION SITE INFORMATION

SELECT ONE:	<input checked="" type="checkbox"/> NEW SITE <input type="checkbox"/> CHANGE OF INFORMATION FOR: ILR10									
PROJECT NAME:	Jackson Pond Outlet Project							COUNTY: DuPage		
STREET ADDRESS/ LOCATION	Leslie Lane and Willow Crest					CITY: Villa Park		IL	ZIP CODE: 60181	
LATITUDE:	DEG. 41	MIN. 52	SEC. 0	LONGITUDE:	DEG. 87	MIN. 58	SEC. 45	SECTION: S16	TOWNSHIP: T39N	RANGE: R11E
APPROX CONST START DATE 02 / 15 / 18	APPROX CONST END DATE 04 / 01 / 18		TOTAL SIZE OF CONSTRUCTION SITE IN ACRES: <u>0.8</u> If less than 1 acre, is site part of larger common plan of development? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO							

STORM WATER POLLUTION PREVENTION PLAN INFORMATION

HAS STORM WATER POLLUTION PREVENTION PLAN BEEN SUBMITTED TO AGENCY? <input type="checkbox"/> YES <input type="checkbox"/> NO (SUBMIT SWPPP ELECTRONICALLY TO: epa.constilr10swppp@illinois.gov)	
WILL STORM WATER POLLUTION PREVENTION PLAN BE AVAILABLE AT SITE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
LOCATION OF SWPPP FOR VIEWING: ADDRESS: On site	CITY: Villa Park
SWPPP CONTACT INFORMATION: NAME: TBD	INSPECTOR QUALIFICATIONS: SELECT ONE CPESC
PHONE: ()	FAX: ()
EMAIL:	
PROJECT INSPECTOR, IF DIFFERENT THAN ABOVE: NAME:	INSPECTOR QUALIFICATIONS: SELECT ONE Other
PHONE: ()	FAX: ()
EMAIL:	

NOTICE OF INTENT (NOI)
GENERAL PERMIT TO DISCHARGE STORM WATER
CONSTRUCTION SITE ACTIVITIES

TYPE OF CONSTRUCTION (SELECT ALL THAT APPLY)

Form containing 'SELECT ONE' with 'Transportation' selected, 'SIC Code: 1623', and 'TYPE DETAILED DESCRIPTION OF PROJECT: Installation of storm sewer between Jackson Middle School Pond and tying into existing storm sewer within Willow Crest.'

HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE

Form asking 'HAS THIS PROJECT BEEN SUBMITTED TO THE FOLLOWING STATE AGENCIES TO SATISFY APPLICABLE REQUIREMENTS FOR COMPLIANCE WITH ILLINOIS LAW ON:' with checkboxes for 'HISTORIC PRESERVATION' and 'ENDANGERED SPECIES'.

RECEIVING WATER INFORMATION

Form asking 'DOES YOUR STORM WATER DISCHARGE DIRECTLY TO:' with 'STORM SEWER' selected, 'OWNER TO STORM SEWER SYSTEMS: Villa Park', and 'NAME OF CLOSEST RECEIVING WATERBODY TO WHICH YOU DISCHARGE: Sugar Creek'.

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

OWNER SIGNATURE: _____

DATE: _____

SUBMIT ELECTRONICALLY TO: epa.constilr10swppp@illinois.gov

OR MAIL COMPLETED FROM TO: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL ATTN: PERMIT SECTION POST OFFICE BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 www.epa.state.il.us

FOR OFFICE USE ONLY

Form for office use only containing fields for LOG, PERMIT NO. ILR10, and DATE.

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied.



Please adhere to the following instructions:

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the lower right hand corner.

< **Submit completed forms to:**

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217)782-0610
www.epa.state.il.us

< **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.**

	<u>Example</u>	<u>Format</u>
SECTION	12	1 or 2 numerical digits
TOWNSHIP	12N	1 or 2 numerical digits followed by "N" or "S"
RANGE	12W	1 or 2 numerical digits followed by "E" or "W"

< **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."**

< **Submit a fee of \$500 and the Storm Water Pollution 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.**

< **SWPPP should be submitted electronically to: epa.constilr10swppp@illinois.gov When submitting electronically, use Project Name and City as indicated on NOI form.**



Storm Water Pollution Prevention Plan

Print Form E-mail Reset Form

Route: Jackson Pond Outlet; Marked Route; Section; Project Number; County: DuPage; Contract Number

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.

Print Name: Vydas Juskelis; Title: Director of Public Works; Agency: Village of Villa Park; Signature; Date

I. Site Description

- A. Provide a description of the project location (include latitude and longitude): JMS Pond to Leslie Lane and Willow Crest (41 52' 0" N, 87 58' 45" W).
B. Provide a description of the construction activity which is subject of this plan: Storm sewer installation from Jackson Middle School basin and connection to existing storm sewer
C. Provide the estimated duration of this project: 2 months
D. The total area of the construction site is estimated 0.8 acres. The total area of the site estimated to be disturbed by excavation, grading or other 0.8 acres.
E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed: 0.65
F. List all soils found within project boundaries. Include map unit name, slope information and erosivity: See attached exhibit 1F
G. Provide an aerial extent of wetland acreage at the site: See attached exhibit 1G
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.):



Storm Water Pollution Prevention Plan

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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 tributary to Jackson detention basin and storm sewers which discharge into Lufkin Pond.

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

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:



Storm Water Pollution Prevention Plan

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2. TMDL (fill out this section if checked above)

a. The name(s) of the listed water body:

[Empty text box for water body name]

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]

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:

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.



Storm Water Pollution Prevention Plan

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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
- Temporary Turf (Seeding, Class 7)
- Temporary Mulching
- Permanent Seeding
- Erosion Control Blanket / Mulching
- Sodding
- Geotextiles
- Other (specify) _____
- Other (specify) _____
- Other (specify) _____
- Other (specify) _____

Describe how the stabilization practices listed above will be utilized during construction:

Silt fence will be placed around construction area prior to excavation. Tree protection will be used where necessary. Areas outside the pavement will be permanently stabilized with sod after construction of roadway items and sidewalk is completed.

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

Erosion control blankets will be placed until the sod has established as stabilized vegetation. Temporary measures will be removed once vegetation 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
- Temporary Ditch Check
- Storm Drain Inlet Protection
- Sediment Trap
- Temporary Pipe Slope Drain
- Temporary Sediment Basin
- Temporary Stream Crossing
- Stabilized Construction Exits
- Turf Reinforcement Mats
- Permanent Check Dams
- Permanent Sediment Basin
- Aggregate Ditch
- Paved Ditch
- Rock Outlet Protection
- Riprap
- Gabions
- Slope Mattress
- Retaining Walls
- Slope Walls
- Concrete Revetment Mats
- Level Spreaders
- Other (specify) _____
- Other (specify) _____
- Other (specify) _____
- Other (specify) _____
- Other (specify) _____

Describe how the structural practices listed above will be utilized during construction:



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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 Jackson detention basin or Lufkin Pond.

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:



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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:

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



Storm Water Pollution Prevention Plan

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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: , 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

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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 Jackson Pond Outlet	Marked Route	Section
Project Number	County DuPage	Contract Number

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: