



Illinois Department of Transportation

Local Public Agency Formal Contract Proposal

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

STATE OF ILLINOIS

COUNTY OF WILL

CITY OF JOLIET

(Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. FRANK AVENUE (CENTER BROADWAY)

SECTION NO. 16-00492-00-FP

TYPES OF FUNDS MOTOR FUEL TAX FUNDS

SPECIFICATIONS (required)

PLANS (required)

For Municipal Projects
Submitted/Approved/Passed

Robert O. Siler
 Mayor President of Board of Trustees Municipal Official

4-5-16
Date

Department of Transportation
 Released for bid based on limited review

John Peterson / MB
Regional Engineer

4/11/16
Date

For County and Road District Projects
Submitted/Approved

Highway Commissioner

Date

Submitted/Approved

County Engineer/Superintendent of Highways

Date

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

RETURN WITH BID

NOTICE TO BIDDERS

County WILL
Local Public Agency CITY OF JOLIET
Section Number 16-00492-00-FP
Route FRANK AVENUE

Sealed proposals for the improvement described below will be received at the office of CITY CLERK - CITY OF JOLIET, 150 WEST JEFFERSON STREET, JOLIET ILLINOIS, 60432 until 9:10 AM on May 9, 2016

Sealed proposals will be opened and read publicly at the office of CITY CLERK - CITY OF JOLIET 150 WEST JEFFERSON STREET at 9:10 AM on May 9, 2016

DESCRIPTION OF WORK

Name FRANKL AVENUE (CENTER ST. - BROADWAY ST.) Length: 1090.00 feet (0.21 miles)
Location FRANK AVENUE BETWEEN CENTER STREET and BROADWAY STREET
Proposed Improvement EXCAVATION OF THE EXISTING ROADWAY, INSTALLATION OF 8" AGG. BASE COURSE; B-6.12 CURB & GUTTER, PCC APRONS, STORM SEWER, TOP SOIL & SOD, AND REPLACEMENT OF PUBLIC SIDEWALK

1. Plans and proposal forms will be available in the office of CITY CLERK - CITY OF JOLIET 150 WEST JEFFERSON STREET

2. [X] 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.



Apprenticeship or Training Program Certification

Return with Bid

Route FRANK AVENUE
County WILL
Local Agency CITY OF JOLIET
Section 16-00492-00-EP

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:

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

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

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

Bidder: _____

By: _____

(Signature)

Address: _____

Title: _____

CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

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

<u>CHECK SHEET #</u>	<u>RECURRING SPECIAL PROVISIONS</u>	<u>PAGE NO.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	1
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	4
3	<input type="checkbox"/> EEO	5
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	15
5	<input type="checkbox"/> Required Provisions - State Contracts	20
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	26
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos Hot-Mix Asphalt Surface Removal	27
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	28
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	29
10	<input type="checkbox"/> Construction Layout Stakes	32
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	35
12	<input type="checkbox"/> Subsealing of Concrete Pavements	37
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	41
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	43
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	44
16	<input type="checkbox"/> Polymer Concrete	45
17	<input type="checkbox"/> PVC Pipeliner	47
18	<input type="checkbox"/> Bicycle Racks	48
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	50
20	<input type="checkbox"/> Work Zone Public Information Signs	52
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	53
22	<input type="checkbox"/> English Substitution of Metric Bolts	54
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	55
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	56
25	<input type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	64
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	80
27	<input type="checkbox"/> Pavement Marking Removal	82
28	<input type="checkbox"/> Preventive Maintenance – Bituminous Surface Treatment	83
29	<input type="checkbox"/> Preventive Maintenance – Cape Seal	89
30	<input type="checkbox"/> Preventive Maintenance – Micro-Surfacing	104
31	<input type="checkbox"/> Preventive Maintenance – Slurry Seal	115
32	<input type="checkbox"/> Temporary Raised Pavement Markers	125
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	126

CHECK SHEET
FOR
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

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	130
LRS 2	<input type="checkbox"/> Furnished Excavation	131
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	132
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	133
LRS 5	<input checked="" type="checkbox"/> Contract Claims	134
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	135
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	141
LRS 8	Reserved	147
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	148
LRS 10	Reserved	149
LRS 11	<input checked="" type="checkbox"/> Employment Practices	150
LRS 12	<input type="checkbox"/> Wages of Employees on Public Works	152
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	154
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	155
LRS 15	<input checked="" type="checkbox"/> Partial Payments	158
LRS 16	<input type="checkbox"/> Protests on Local Lettings	159
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	160
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	161

CITY OF JOLIET

SPECIAL PROVISIONS CAPITAL IMPROVEMENT/NEIGHBORHOOD IMPROVEMENT PROGRAM PROJECTS

TABLE OF CONTENTS

<u>NO.</u>	<u>SPECIFICATION TITLE</u>	<u>PAGE</u>
1	LOCATION OF IMPROVEMENTS	1
2	DESCRIPTION OF IMPROVEMENTS	1
3	PROJECT SCHEDULE	1
4	TIMELINESS OF WORK	2
5	PREMIUM TIME	2
6	EXISTING UTILITIES	3
7	MINORITY EMPLOYMENT REQUIREMENTS	4
8	TREE ROOT SAWING	5
9	PARKWAY EXCAVATION	5
10	ROADWAY EXCAVATION	5
11	REMOVAL & DISPOSAL UNSUITABLE MATERIAL	6
12	POROUS GRANULAR EMBANKMENT, SPECIAL	6
13	TRENCH BACKFILL	7
14	AGGREGATE BASE COURSE	7
15	REPAIR & PREPARATION OF BASE COURSE	8
16	STORM SEWERS	9
17	DISCONNECTING OF EXISTING WATER LINE	9
18	SANITARY SERVICE REPLACEMENT (CASE I & II)	9
19	CATCH BASIN/INLET TO BE RELOCATED	10
20	FRAME & GRATE TO BE FURNISHED & INSTALLED	10
21	TYPE 11 FRAME & GRATE (SPECIAL)	11
22	TYPE 11 FRAME & GRATE (VANED)	11
23	COMBINATION CONCRETE CURB & GUTTER	11
24	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT	12
25	PORTLAND CEMENT CONCRETE SIDEWALK	12
26	HOT MIX ASPHALT DRIVEWAY PAVEMENT	13
27	DOMESTIC WATER SERVICE BOXES – RELOCATED	13
28	DOMESTIC WATER SERVICE BOXES – ADJUSTED	14
29	FURNISHING & PLACING TOPSOIL	14
30	SODDING	15

<u>NO.</u>	<u>SPECIFICATION TITLE</u>	<u>PAGE</u>
31	HARDWOOD MULCH	15
32	TRAFFIC CONTROL & PROTECTION	15
33	SAWCUT ASPHALT SURFACE	16
34	SAWCUT CONCRETE SURFACE	16
35	ASPHALT/CONCRETE SAWING	17
36	TEMPORARY DRIVEWAY ACCESS	17
37	MODULAR CONCRETE BLOCK RETAINING WALL	17
38	EROSION CONTROL	17
39	DRIVEWAY PAVEMENT REMOVAL	18
40	MATERIAL INSPECTION	18
41	FRAMES AND LIDS TO BE FURNISHED AND INSTALLED	19
42	TESTING FOR CONTAMINATED MATERIAL	19
43	REMOVAL AND DISPOSAL OF CONTAMINATED MATERIAL	19

CITY OF JOLIET

2016 SUPPLEMENTAL SPECIAL PROVISIONS

The following Supplemental Special Provisions supplement the City of Joliet Special Provisions and General Conditions adopted January 31, 2016 and the "Standard Specifications for Road and Bridge Construction," adopted April 1, 2016 and the latest edition of the "Manual on Uniform Traffic Control Device for Streets and Highways," and the "Standard Specifications for Water and Sewer Main Construction in Illinois," in effect on the date of invitation for bids. In case of conflict with any parts of said specifications, the said Supplemental Special Provisions shall take precedence and shall govern. The above named publications shall hereinafter be referred to as the "Standard Specifications" which apply to and govern the construction of the ***FRANK AVENUE (NORTH CENTER – BROADWAY) ROADWAY IMPROVEMENT PROJECT – 2016 – MFT NO. 16-00492-00-FP.***

1. LOCATION OF THE IMPROVEMENTS:

Frank Avenue lying between Center Street and North Broadway Street.

2. DESCRIPTION OF THE IMPROVEMENTS:

The improvements shall include roadway excavation, the construction of combined curb and gutter Type B-6.12 P.C.C. driveway aprons, storm sewer, association appurtenances and the placement of topsoil and sod.

The Bituminous Concrete Courses shall be completed under separate contract at 100% City cost.

3. PROJECT SCHEDULE:

This contract allows for 25 working days. All work shall be completed within this allotted period of time. If the contractor cannot meet this time constraint an extension may be granted, if justified, by a Formal request for Extension that shall be submitted for approval.

4. TIMELINESS OF WORK:

The Contractor shall perform all work in an orderly, timely and diligent manner. The Contractor shall cooperate with and conform to the requests of the City to expedite particular portions of the work insofar as to complete certain phases of work in a timely manner. Work shall be completed within the timeframe as outlined in Supplement Special Provision for PROJECT SCHEDULE. Contractor shall submit a PROJECT SCHEDULE showing coordination of sub-contractors and sequencing of work.

Construction of the concrete curb and gutter shall begin within five (5) working days of the completion of the roadway grading and sub-base preparation. Upon completion of the concrete curb and gutter, construction of the driveway apron shall begin, and remain continuous, such that driveway shall not remain inaccessible for more than 20 working days, as measured from the date of completion of roadway excavation. If the contractor cannot meet these requirements, he shall provide a temporary stone access to all affected driveways. No additional compensation will be allowed for the providing, placing and removing all temporary access stone. The City of Joliet reserves the right to place the temporary stone and deduct the cost from the construction contract for contractors not meeting this requirement.

5. PREMIUM TIME:

The City shall be empowered to deduct from compensation due the Contractor, the sum of \$25.00 per Inspector per hour for all inspection time in excess of the following provisions:

A. The City will not charge for premium time on one Saturday per month if the Contractor has been working on the controlling item of the contract for the previous three working days.

B. A Saturday rainout will be allowed and no premium time will be charged only if the Contractor was performing work on the controlling item of the contract the working days prior to and after the actual rain date.

C. No premium time will be charged for the first nine (9) hours of work during any day.

D. Premium time will be charged for the following holidays: Christmas, New Year's Day, Thanksgiving, Memorial Day, July 4th and Labor Day.

The City of Joliet will also charge premium time for the cost of resetting any construction stakes damaged by the Contractor during his operations.

The number of Inspectors shall be determined by the following tabulation:

<u>Number of Workmen on Project</u>	<u>Maximum Number of Inspectors Required</u>
1 - 8	1
9 - 16	2
17 - 25	3
Over 25	As Required

6. EXISTING UTILITIES: (REVISED 3/27/14)

Existing utilities are shown on the plans according to information obtained from Utility Companies and surveys. The Engineer and the City of Joliet does not guarantee the accuracy or completeness of this information. The Contractor shall make his own investigation to determine the existence, nature and location of all utility lines and appurtenances within the limits of the improvements. **The Contractor will be responsible for performing exploratory excavation to expose any underground utility- including services- with a City representative present and identifying all possible utility conflicts within the proposed public improvement prior to excavating for the roadway. The Contractor shall backfill these exploratory excavation sites with trench backfill and shall maintain the roadway until all the identified utility conflicts are resolved. The cost of this exploratory excavation shall be considered incidental to the contract. No other compensation shall be allowed for this work.**

The Contractor will be required to cooperate with all Contractors, Utility Companies and the City of Joliet involved with the removal, temporary relocation, reconstruction or abandonment by these agencies of any and all services or facilities owned or operated by them within the limits of this improvement. Before doing any work which will damage, disturb or leave unsupported or unprotected any utility lines or appurtenances encountered, the Contractor shall notify the respective owner thereof, who will make all arrangements for relocating, adjusting or otherwise maintaining or abandoning service on lines that fall within the limits of the proposed construction without cost to the Contractor, including the removal of all cables, manhole covers and other appurtenances which the owner desires to salvage. After such arrangements have been made, the Contractor will proceed with the work as directed by the Engineer.

The Contractor shall contact the involved utility companies not less than 48 hours prior to beginning construction. The majority of these utilities may be contacted through J.U.L.I.E. at (800) 892-0123. In addition, the Contractor shall be responsible to contact the City of Joliet utilities 48 hours prior to beginning the construction at (815) 740-2436. It shall remain the Contractor's responsibility to contact all utilities.

No extra compensation will be allowed the Contractor for any expenses incurred by complying with these requirements, or because of delays, inconvenience or interruptions in his work resulting from the failure of any Municipality or Utility Company to remove, relocate, reconstruct or abandon their services when required by the Contractor's operations. An extension of time may be granted to the extent the Contractor's operations were affected. The Contractor shall be responsible for coordinating his work with that of these agencies and ensure that this improvement is not delayed because of necessary changes in the existing utilities, public or private.

The Contractor shall take whatever precautions which may be necessary to protect the property of the various public utilities which may be located underground or above ground, at or adjacent

to the site of this improvement. The contractor will be required to repair or replace at his own expense, or bear the cost of having the utility repair or replace any public utility property which has been damaged through his efforts. The procedure and specifications of repair will be in accordance with the regulations and/or policy of the utility. The utilities shall be given notice by the Contractor to locate and identify all of their installations at the site of this improvement.

7. MINORITY EMPLOYMENT REQUIREMENTS: (Revised 1/1/13)

For contracts valued greater than \$100,000.00:

The Bidder's attention is called to the following Equal Employment Opportunity Construction Contract Specification:

The contractors aggregate workforce on all construction work covered by this contract shall include any combination of minority or female participation equaling or exceeding ten percent (10%) of the contractor's aggregate workforce. Compliance with this specification will be measured against the total hours performed, including all subcontracts.

The contractor shall submit to the Project Engineer monthly, certified payroll records in order to monitor the total work hours and those hours worked by minorities and/or females, before receiving a monthly payment. Upon completion of the contract, the contractor shall submit to the Project Engineer a summary of the total work hours and those hours worked by minorities and/or females prior to receiving any retainage reduction or final payment.

Non-compliance with this specification will result in the retainage of 2% of the total contract amount for a probationary period of one year from the completion of the contract. If within the one year probation period the Contractor exceeds the minority employment requirements by the number of man-hours previously deficient, on another City of Joliet contract, the retainage from the prior contract will be released to the Contractor. If the Contractor fails to make up the minority hours on another contract within the probation period, the Contractor will be penalized 2% of the original contract amount.

DEFINITION

Minority shall include:

1. Black (all persons having origins in any of the Black African racial groups not of Hispanic Origin).
2. Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race).
3. Asian and Pacific Island (all persons having origin in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands).
4. American Indian or Alaskan Native (all persons having origins in any of the original peoples of North American and maintaining identifiable tribal affiliations through membership and participation or community identification).

For contracts valued less than or equal to \$100,000.00:

The contract does not contain a specific minority employment requirement; however, the City of Joliet encourages the contractor to maximize the amount of minority participation.

8. TREE ROOT SAWING:

This work consists of the vertical variable depth sawing of tree roots on those trees to remain at locations shown on the plans or as designated by the Engineer.

The Contractor shall machine saw in a vertical fashion the existing tree roots at a point 1 foot behind the proposed back of curb to insure room for placing form work. The Contractor shall ensure the protection of trees to be saved in accordance with Article 201.06 of the "Standard Specifications". The disposal of materials shall be done in accordance with Article 202.03.

Basis of Payment:

This work includes all labor, equipment and materials necessary to sawcut as described above. This work will be paid for at the contract unit price each for TREE ROOT SAWING, measured at each tree where this work is performed.

9. PARKWAY EXCAVATION:

This item shall include all material, equipment, and labor required to excavate beyond the roadway excavation limit for proposed FURNISHING & PLACING TOPSOIL, and required SUB-BASE GRANULAR MATERIAL for P.C.C. SIDEWALK, P.C.C. DRIVEWAY PAVEMENT, AND HOT MIX ASPHALT DRIVEWAY PAVEMENT in accordance with all applicable portions of Section 202 of the Standard Specifications.

The depth of excavation shall range from, but not be limited to, 3 to 12 inches.

Basis of Payment:

This work shall be measured for payment at the contract unit price per square yard for PARKWAY EXCAVATION. The limits of excavation to be paid for are as indicated on the details in the plans, or as approved by the engineer. Without such approval, any additional width will be considered incidental to this item.

10. ROADWAY EXCAVATION:

This item shall include all material, equipment, and labor required to excavate and dispose the existing roadway, including pavement, to the proposed sub-grade elevation, at a width of one (1) foot beyond the proposed back of curb, in accordance with all applicable portions of Sections 202 and 440 of the Standard Specifications.

The City of Joliet shall provide, on the plans, it's best information as to the existing roadway cross section. The contractor may, at his own expense, perform additional tests to verify the existing roadway cross section. No additional compensation will be allowed due to variations in the thickness or materials shown on the existing roadway cross section. No payment for overhaul will be allowed for excavated material moved to or from any source.

Basis of Payment:

This work shall be paid for at the contract unit price per cubic yard for ROADWAY EXCAVATION.

11. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (Revised 1/1/13)

A contingency amount of Removal and Disposal of Unsuitable Material is included in this contract, in the event that areas requiring removal of the unsuitable material below the subgrade are encountered. The removal shall be at the location and depth as directed by the Engineer. The location shall then be backfilled with Porous Granular Embankment, Special. The material shall be disposed of in accordance with Article 202.03 of the "Standard Specification."

The volume of any unsuitable material removed shall be measured by the Engineer by taking cross sections before the work is started and again after it has been completed, and computing the volume in cubic yards by the method of average end areas. This volume shall be agreed upon between the contractor and the Engineer.

Basis of Payment:

This work shall be paid for at the contract unit price as listed on the schedule of prices per cubic yard of material removed for REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, which price shall include the cost of all excavation and disposal of unsuitable materials. The filling of the over-excavated area shall be paid for as POROUS GRANULAR EMBANKMENT, SPECIAL.

12. POROUS GRANULAR EMBANKMENT, SPECIAL: (Revised 1/1/13)

This work shall consist of furnishing and placing porous granular embankment to the lines and grades shown on the plans or as directed by the Engineer in accordance with the applicable portions of Section 207 of the "Standard Specifications." The material shall be used for fill areas within the limits of the roadway (2' wider than the back of curb) and as fill in areas where

unsuitable material is to be removed. The material shall conform to Article 1003.4 & 1004.5 of the "Standard specifications" except the gradation shall be as follows:

1. Crushed Stone, Crushed Blast Furnace Slag and Crushed Concrete:

<u>Sieve Size</u>	<u>Percent Passing</u>
*6"	90+/-10
2"	40+/-25
No. 200	0+/-10

2. Gravel, Crushed Gravel and Pit Run Gravel:

<u>Sieve Size</u>	<u>Percent Passing</u>
*6"	90+/-10
2"	60+/-25
No. 4	40+/-20
No. 200	5+/-5

* For fill less than 18" sieve size may be 4".

Basis of Payment:

This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR EMBANKMENT, SPECIAL.

13. TRENCH BACKFILL (Revised 03/15/02):

This work shall conform to Section 208 of the "Standard Specifications." This item shall consist of furnishing, placing, compacting and transporting course aggregate gradation CA-10 for backfilling material for all trenches made within the roadway, driveways, and as directed by the Engineer. All compaction shall be not less than 85 percent optimum, modified proctor. The material shall conform to Article 1004.5. This item also includes the disposal of the surplus excavated material which is replaced by trench backfill. Such disposal shall be made in accordance with Article 202.03 of the "Standard Specifications."

The Contractor shall maintain trenches flush with existing surfaces until permanent patches are installed or roadway excavation has begun. No additional compensation will be provided the Contractor for trench maintenance.

Method of Measurement:

Quantities incorporated into this item shall be measured by either of the following:

A. Article 208.03(a) of the "Standard Specifications."

B. The Trench Backfill table published by the State of Illinois, Department of Transportation, Division of Highways, Bureau of Construction in conjunction with the Oct. 1980 Revision. See attached table to be used.

Basis of Payment:

This work will be paid for at the contract unit price per cubic yard for TRENCH BACKFILL.

14. AGGREGATE BASE COURSE (revised 3/19/10):

This work shall be performed in accordance with Section 351 of the Standard Specifications with the exception that the first layer be constructed immediately following the roadway excavation. The Contractor shall place the first layer of base course before the end of each work day so that the limits of the excavation are accessible to vehicular traffic. The first layer of base course shall be a minimum thickness of three inches and the width shall extend to the limits of the roadway as shown in the plans. Aggregate ramps shall be constructed at the limits of the excavation at the end of each work day to allow vehicular access to the roadway. All material used in providing access shall be utilized in the final base course and shall be considered incidental to this item. Upon completion of the first layer of base course and after the installation of the curb and gutter, a proof roll shall be performed to locate any unsuitable sub-grade material that will require removal. This proof roll shall be accomplished in the presence of the engineer and shall be done with a loaded semi-truck. Upon completion of the final lift of base course and prior to the placement of the hot mix asphalt pavement, the contractor shall perform another proof roll. Upon completion of the final lift of base course, an aggregate ramp shall be constructed at each end of the project and cross streets. This aggregate ramp shall consist of material equal to in type (A or B) of the aggregate base course and shall be constructed the entire width of the street. The length of the ramp shall be 12 inches for every 2 inches of drop-off in elevation between the existing roadway surface and the aggregate base course. On a typical construction project the length of the aggregate ramp shall be approximately twenty-four feet (24'). A perpendicular saw cut across the existing asphalt roadway pavement will be performed as necessary by the contractor to provide a clean, even joint prior to the installation of the asphalt binder course (to be performed by a separate contract if the project does not include this item of work). The Contractor shall saw cut the pavement and remove the aggregate ramp within 24 hours after notice is given by the engineer.

Method of Measurement:

Aggregate used for base course will be measured for payment in square yards of the thickness specified. Material used in providing roadway access will not be measured separately, but shall be considered incidental to the plan quantity for Aggregate Base Course, of the type specified. Material used in constructing the aggregate ramp will not be measured separately but shall be considered incidental to this item. Also, no additional compensation will be made for the performance of the two (2) proof roles.

Method of Payment:

This work will be paid for at the contract unit price per square yard for AGGREGATE BASE COURSE, TY A or AGGREGATE BASE COURSE, TY B. The saw cutting of asphalt will be paid for separately per the contract unit price per linear feet for SAW CUT ASPHALT SURFACE. No other compensation will be allowed for this work.

15. REPAIR AND PREPARATION OF BASE COURSE:

This work shall consist of repairing the newly placed Aggregate Base Course and preparing the Aggregate Base for Bituminous Binder Course a second time. The initial shaping and compacting of the Aggregate Base shall be included with the Aggregate Base Pay Item, unless specified otherwise in the construction documents.

This work shall be performed as directed by the Engineer in accordance with Section 358 of the "Standard Specifications" with the exception that the contractor will be required to perform this work within three days prior to the re-scheduled placement of the bituminous binder course as designated by the Engineer. The City of Joliet Resident Engineer shall notify the contractor of the scheduled date of bituminous placement a minimum of 5 working days before this work shall be performed.

Method of Measurement:

This work shall be measured per square yard, including Aggregate Base Surface area between the edges of pavements multiplied by the length of roadway.

Basis of Payment:

This work shall be paid for at the contract unit price per square yard for PREPERATION OF BASE, and shall include reshaping and compacting existing Aggregate Base or furnished Aggregate Base material. The furnishing of additional Aggregate Material shall be paid for by the ton as AGGREGATE BASE REPAIR.

16. STORM SEWERS (Revised 5/1/96):

This work shall consist of constructing storm sewers of the required inside diameter with the necessary fittings at the locations shown on the plans and constructed in accordance with Section 550 of the Standard Specifications.

The storm sewer material shall be Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe meeting ASTM specification C-76. The pipe joint shall meet ASTM Specifications C-361 for reinforced concrete low head pressure pipe and shall either be confined "O-Ring" or "Tylok" for the gasket material.

Basis of Payment:

This work will be paid for at the contract unit price per linear foot for STORM SEWERS of the type and size specified, measured in place. This price shall include the cost of all pipe fittings required. The cost of connecting proposed storm sewers to existing storm sewers at existing drainage structures shall be considered as incidental to the cost of the proposed storm sewers. No additional compensation will be allowed.

17. DISCONNECTING OF EXISTING WATER LINE (Revised 6/5/96):

This work shall be paid for on the basis of actual labor, material, and services actually required to investigate and disconnect existing water lines. The Contractor shall supply a detailed listing of the items used and the cost thereof. The Contractor shall be allowed a 15% markup, over documented actual cost, to cover overhead and related expenses for work performed by the Contractor and his direct employees. The Contractor shall be allowed a 5% markup over documented actual invoices for work performed by sub-contractors or by indirect employees.

An amount of \$7,500.00 has been entered on the bid proposal representing the anticipated cost to investigate and disconnect existing water lines. The Contractor shall use this DISCONNECTING OF EXISTING WATER LINE amount when preparing his bid and in calculating the amount of his performance security.

18. SANITARY SERVICE REPLACEMENT (Revised 03/15/02):

CASE ONE: Wherever sanitary sewer services are encountered during the course of the work, and are located above but not in conflict with the construction, the Contractor shall replace that portion of the service line spanning the excavation three feet to either side of the trench walls. The replacement material shall be ductile iron pipe, Class 52 of the same diameter as the existing line. The ductile iron pipe shall be supported on both ends by not less than 3 feet of undisturbed soil. The ductile iron pipe shall be coupled with the existing sewer on both ends using SHEARLESS TYPE mission couplings or an approved equal.

CASE TWO: Wherever sanitary services are encountered during the course of the work and are in conflict with or within six inches (6") of the proposed sewer line, the Contractor shall replace the existing service line to the extent necessary by vertically adjusting the line within the limits of the right-of-way, so as to resolve the conflict. The replacement material shall be ductile iron pipe, Class 52, of the same diameter as the existing line. The ductile iron pipe shall be coupled with the existing sewer on both ends with SHEARLESS TYPE mission couplings or an approved equal. This work does not include installing a new service connection to the sewer main, installing a parallel sanitary sewer or adjustments outside of the right-of-way.

Method of Measurement:

This work shall be measured in lineal feet along the top of the sanitary pipe replacement. No separate measurement shall be made for materials including fittings, couplings, concrete or mortar, or for excavation except in rock. Excavation of rock and trench backfill shall be measured for payment in accordance with the contract specifications.

Basis of Payment:

This work will be paid for at the contract unit price per lineal foot for SANITARY SERVICE REPLACEMENT CASE ONE OR SANITARY SERVICE REPLACEMENT CASE TWO. Such payment shall compensate the Contractor for furnishing all labor, equipment, and materials required to satisfactorily complete this work.

19. CATCH BASIN/INLET TO BE RELOCATED:

This work includes furnishing all materials, equipment and labor necessary for the removal and relocation of an existing catch basin and/or inlet from the existing location to the proposed line and grade as shown on the plans in accordance with the Section 602 of the "Standard Specifications" as applicable.

This work shall include backfilling the removed structure excavation with trench backfill, and excavation and backfilling with trench backfill for the relocated catch basin. Installing the proposed storm sewer to the relocated catch basin and plugging the catch basin's existing storm sewer opening with brick and suitable mortar, if necessary, shall be considered incidental to the catch basin to be relocated.

Basis of Payment:

This work shall be paid for at the contract unit price each for CATCH BASIN/INLET TO BE RELOCATED, which price shall include all labor, equipment and materials necessary to satisfactorily complete the work as described above.

20. FRAME AND GRATE TO BE FURNISHED AND INSTALLED (Revised 03/15/02):

This item shall include all materials, labor and equipment necessary to furnish and install a Frame and Grate of the type specified on a catch basin or inlet as indicated on plans per Section 604 of the "Standard Specifications". This item also shall include any vertical adjustments necessary on the structure to meet grade requirements. The contractor is responsible to remove all existing frame and grates and relocate them to the nearest City of Joliet maintenance facility.

The top of the grate (curb back) shall include a 'Public Notification' statement not to pollute in accordance with CLEAN WATER ACT storm water discharge requirements. The notification shall be permanently cast in the structure.

Basis of Payment:

This work will be paid for at the contract unit price each for FRAME AND GRATE TO BE FURNISHED AND INSTALLED of the type specified.

21. TYPE 11 FRAME AND GRATE (SPECIAL):

Where Type 11 Frame and Grates (Special) are specified in the plans and contract, either as a furnished and installed item or as part of a catch basin/inlet, the Type 11 Frame and Grate (Special) shall be an East Jordan Frame No. 7210 with an M3 Grate, or an approved equivalent. This frame and grate shall be used as required by the plans within areas of depressed curb.

Basis of Payment:

This work shall be paid for at the contract unit price each for CATCH BASIN/INLET WITH TYPE 11 FRAME AND GRATE (SPECIAL) or for TYPE 11 FRAME AND GRATE (SPECIAL) TO BE FURNISHED AND INSTALLED. No additional compensation shall be allowed due to providing this specified frame and grate.

22. TYPE 11 FRAME AND GRATE (VANED) (Revised 03/15/02):

Where Type 11 Frame and Grate (Vaned) are specified in the plans and contract, either as a furnished and installed item or as part of a catch basin/inlet, the Type 11 Frame and Grate (Vaned) shall be an East Jordan Frame No. 7210 with an M4 Grate, or an approved equivalent. This frame and grate shall be used as required by the plans within areas where the longitudinal slope exceeds the cross slope.

The top of the grate (curb back) shall include a 'Public Notification' statement not to pollute in accordance with CLEAN WATER ACT storm water discharge requirements. The notification shall be permanently cast in the structure.

Basis of Payment:

This work shall be paid for at the contract unit price each for CATCH BASIN/INLET WITH TYPE 11 FRAME AND GRATE (VANED) or for TYPE 11 FRAME AND GRATE (VANED) TO BE FURNISHED AND INSTALLED. No additional compensation shall be allowed due to providing this specified frame and grate at additional areas not specified on the plans.

23. COMBINATION CONCRETE CURB AND GUTTER (Revised 1/1/13)

This work includes furnishing all materials, equipment and labor necessary to install combination concrete curb and gutter of the type specified in accordance with Section 606 of the "Standard Specifications" and IDOT Highway Standard Detail 606001-04, with the exception that the sawcut contraction joint spacing shall be at fifteen feet intervals.

Depressed curbing shall be placed at all driveway entrances and as shown on the plans or as directed by the Engineer. No additional compensation shall be allowed for depressed curbing. Curb shall be constructed with a nine inch (9") minimum thickness at the flag.

The string line for slip-formed curb shall be set in accordance with the grades provided for the project. No adjustments shall be made unless supervised and/or directed by the resident engineer or project engineer. A maximum vertical construction tolerance of ± 0.02 feet is allowed. In all cases, positive flow must be maintained to all drainage structures.

The castings for all drainage structures which are located in the curb line shall be placed after the mainline curb is installed. A minimum twelve foot (12 ft) gap shall be centered at the drainage structure.

Expansion joints shall be placed at the following locations:

- Start and end of all radius points;
- All construction joints and interrupted placement locations;
- Curb terminations with bullnose section at project ends; and
- Approximately five feet (5 ft) each side of curb line drainage structures.

This work shall also include backfilling and compaction behind the curbs, within the affected parkway area, and shall be considered incidental to this item.

Basis of Payment:

This work shall be paid for at the contract unit price per linear foot for COMBINATION CONCRETE CURB AND GUTTER, of the type specified.

24. PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT:

This work includes furnishing all materials, equipment and labor necessary to install P.C.C. Driveway Pavement in accordance with Section 423 of the "Standard Specifications."

All driveways shall be six inches (6") in thickness (with the exception of those that bear loads greater than passenger vehicles, which shall be 8" thickness) and reinforced by 6" x 6" #10/#10 welded wire fabric. All driveways shall be placed on a three inch (3") thick sub- base of stone. The stone sub-base shall be provided by the City unless the contract includes the pay item SUB-BASE GRANULAR MATERIAL, TYPE C, 3", in which case the stone shall be paid for separately. Placement and compaction of the stone shall be done by the Contractor.

All driveways shall slope uniformly from the front face of the sidewalk to the back face of the depressed curb. Pavement width shall be as shown on the plans. Expansion material shall be put at both ends of the approach.

Basis of Payment:

This work will be paid for at the contract unit price per square yard for PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, of the thickness specified, measured in place.

25. PORTLAND CEMENT CONCRETE SIDEWALK (Revised 3/27/14)

This work includes furnishing all material, equipment and labor necessary to install sidewalk in accordance with Section 424 of the "Standard Specifications." All sidewalks except driveway sidewalks shall be five inches (5") thick. All residential driveway sidewalks shall be six inches (6") thick and reinforced with 6" x 6" #10/#10 welded wire fabric. All sidewalks through alley and commercial aprons shall be eight inches (8") thick with 6"x6" #10/ #10 welded wire fabric. The additional concrete and fabric shall be considered incidental to the cost of P.C.C. sidewalk. All sidewalks shall be placed on a three inch (3") thick aggregate sub-base. The aggregate sub-base shall be provided by the City, unless the contract includes the pay item SUB-BASE GRANULAR MATERIAL, TYPE C, 3", in which case the stone aggregate shall be paid for separately. The stone aggregate sub-base shall be placed and compacted by the Contractor.

All sidewalks shall be installed with a 1/4 inch per foot slope towards the street. Sidewalk elevations shall be set so as to maintain a slope of 1/2 inch per foot between the sidewalk and the top of curb wherever possible. All grades shall be set or checked by the Contractor prior to construction. Ramps for the handicapped shall be installed at all intersections as per State Standard No. 424001-07, 424006-01, 424011-01, 424016-01, 424021-02 & 424026-01. A 24" wide strip of re-usable cast iron plate detectable warnings- truncated domes with contrasting color (natural patina unfinished)- shall be installed across the entire depression of the ramp (longitudinally). The cast iron plates shall be free from warps, and have vent holes or anchors.

Under no circumstance shall the Contractor stamp their name, phone number, or any other information in newly constructed concrete work.

Basis of Payment:

The work will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, measured in place.

Payment for the Detectable Warnings shall be paid for at the contract unit price per square foot for DETECTABLE WARNINGS as measured in place.

Earth Excavation shall be paid for as PARKWAY EXCAVATION (Joliet Special Provision No. 9).

26. HOT MIX ASPHALT DRIVEWAY PAVEMENT (Revised 4/11/08):

This work includes the labor, materials and equipment necessary for placing Hot Mix Asphalt Surface Course, IL 9.5, Mix C, N50, of the compacted thickness specified, for driveway pavement as shown on the plans or as directed by the Engineer. This work shall be performed in accordance with Section 406 of the "Standard Specifications".

The driveway will be prepared for Hot Mix Asphalt material by placing a sub-base granular material, Type C of the thickness specified on the plans and/or as directed by the engineer. The sub-base granular material, Type C shall be placed on undisturbed or compacted ground in the driveway area and shall have a minimum thickness of 3 inches. Existing hot mix asphalt pavement will be sawcut to provide a clean edge to match the proposed pavement.

Saw cutting will be paid for separately. The sub-base granular material, Type C placement and compaction will be paid for separately.

The driveway pavement will be rolled or compacted with a mechanical tamper to insure proper compaction and a smooth surface of the bituminous surface.

Basis of Payment:

This work will be paid for at the contract unit price per square yard for HOT MIX ASPHALT DRIVEWAY PAVEMENT, of the thickness specified, as measured in place.

27. DOMESTIC WATER SERVICE BOXES TO BE RELOCATED (Revised 03/20/02):

Relocation shall consist of installing a new curb stop in the service line and relocating the existing or furnishing a new Buffalo Box. Curb stop shall be Mueller #B25155, McDonald #6104T, or Ford #B44444Q-NL. New curb stops shall be seated on a molded concrete base and centered using a plastic alignment fitting. Buffalo Boxes shall be cast iron with 2 inch minimum inside diameter Tyler series 6500 or approved equal.

The relocated Buffalo Boxes shall be adjusted to finished grade. No additional compensation shall be made for vertical adjustment to grade of relocated boxes. The contractor shall furnish and install all materials required for this item.

Basis of Payment:

This work will be paid for at the contract unit price each for DOMESTIC WATER SERVICE BOX TO BE RELOCATED.

28. DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED (Revised 03/10/03):

All buffalo boxes at non-conflicting locations shall be adjusted to finished grade. Those adjustments requiring extensions or repair to the buffalo box shall be compensated. These required extensions shall be determined in field. The contractor shall furnish and install all materials required for this item. A Buffalo pattern box shall be centered over the curb stop using a plastic alignment fitting. The b-box shall be properly supported and not bear directly on the water service line. The length of the b-box shall be sufficient to allow adjustment ± 3 inch from finished grade. Prior to final payment all b-boxes will be tested with the turnkey to verify they are clean and free of impediments.

Basis of Payment:

This work will be paid for at the contract unit price each for DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED.

29. FURNISHING AND PLACING TOPSOIL (Revised 2/24/00):

This work shall consist of furnishing and placing topsoil at the locations and to the thickness specified on the plans or as directed by the Engineer in accordance with Section 211 of the "Standard Specification".

Topsoil shall be pulverized and shall not be placed until the area to be covered has been shaped, trimmed, and finished. All unsuitable materials, debris and rubbish, resulting from construction operations, or accruing within the right of way, and all stones or boulders more than 3 inches in the largest dimension, shall be removed from the right of way and disposed of by the contractor in accordance with Article 202.03. One rolling of the entire surface shall be made immediately after top soil placement.

If sod is not placed over the topsoil due to sod restrictions or within one week, all topsoil areas must be maintained. Topsoil maintenance shall include the removal, spraying or cutting of weeds over 8" high. This maintenance shall be performed a minimum of once (1) a month. In addition, prior to placing sod, all topsoil areas shall be clean of all weeds and debris. This maintenance shall be considered incidental to this item.

Basis of Payment:

Furnishing, placing and maintaining topsoil will be paid for at the contract unit price per square yard for FURNISHING AND PLACING TOPSOIL of the thickness specified.

30. SODDING (Revised 3/19/10);

This work shall consist of placing sod at the locations specified on the plans or as directed by the Engineer in accordance with Section 252 of the "Standard Specifications" including sod watering with the following exceptions.

Absolutely NO sod shall be placed from May 16 to August 31.

Sod shall not be placed within a foot and a half (1.5") radius around the base of any tree. The radius measured from the outer edge of the tree trunk. This area shall be covered with hardwood mulch to a depth of three (3") inches. This hardwood mulch placement shall be paid for separately.

All sod surfaces shall be rolled once prior to the initial watering.

Within 2 hours after the sod has been placed, 10 gallons of water per square yard shall be applied. Thereafter, each day, which does not receive more than 1 inch of natural rain, additional water shall be applied at the rate of 6 gallons of water per square yard. The number of additional waterings shall not exceed 13 during the period of establishment, defined as the period of time between sod placement and when the sod becomes knitted to the soil and is growing in place. It is imperative that the contractor notifies the resident engineer each day that a watering is to take place. Payment for sod will not be made if the resident engineer does not verify that the City received the 13 additional waterings.

Sodding will be measured for payment in place. To be acceptable, the sod shall be in a live, healthy condition and be knitted to the soil. When directed by the Engineer, any defective or unacceptable sod shall be removed, replaced and watered by the contractor at his/her own expense and in accordance with the requirements specified. Only acceptable sod will be measured for payment.

Basis of Payment:

Sodding will be paid for at the contract unit price per square yard for SODDING.

31. HARDWOOD MULCH: (Revised 03/20/02)

This work shall consist of placing hardwood mulch around each tree within the right-of-way.

Sod shall not be placed within a foot and a half (1.5") annulus (or donut shape) around the base of any tree. The radius measured from the outer edge of the tree trunk. This area shall be covered with hardwood mulch to a depth of three (3") inches. This hardwood mulch placement shall be paid for separately.

Basis of Payment:

This work will be paid for at the contract unit price per each for HARDWOOD MULCH.

32. TRAFFIC CONTROL AND PROTECTION:

This item shall include furnishing, installing, maintaining, relocating and removing all traffic control devices used for the purpose of regulating, warning or directing traffic during the construction or maintenance of this improvement.

Traffic Control and Protection shall be provided as called for in the plans, these Special Provisions, applicable Highway Standards, applicable sections of the Standard Specifications or as directed by the Engineer.

The governing factor in the execution and staging of work for this project is to provide the motoring public with the safest possible travel conditions along the roadway through the construction zone. All traffic control devices used on the project shall conform to the plans, special provisions, traffic control standards, traffic specifications and the "Illinois Manual on Traffic Control Devices for Streets and Highways" and the "Traffic Control Devices Handbook." No modification of these requirements will be allowed without prior written approval of the Engineer.

The Contractor shall be responsible for the proper location, installation and arrangement of all traffic control devices. All traffic control devices shall remain in place until specific authorization and relocation or removal is received from the Engineer.

The Contractor shall ensure that all traffic control devices installed by him are operational 24 hours a day, including Sundays and holidays.

Basis of Payment:

This work will be paid for at the contract unit price per lump sum for TRAFFIC CONTROL AND PROTECTION.

33. SAWCUT ASPHALT SURFACE:

This work consists of the full depth sawing of the existing bituminous concrete pavement, existing seal coat surface or asphalt driveway pavement with a sawing machine at locations shown on the plans or as designated by the Engineer.

The Contractor shall machine saw a perpendicular clean joint between the portion of bituminous concrete surface to be removed and that to be left in place, to prevent damage to the remaining surface. If additional surface is damaged or removed due to negligence on the part of the Contractor, the additional work will not be measured for payment and shall be done at the Contractor's expense.

Basis of Payment:

This work includes all labor, equipment and materials required to saw cut as described above. This work will be paid for at the contract unit price per linear foot for SAWCUT ASPHALT SURFACE.

34. SAWCUT CONCRETE SURFACE:

The Contractor shall saw to a full depth, a joint between the portion of the sidewalk, combination curb and gutter or concrete driveway pavement removed and that left in place unless otherwise directed by the Engineer. The sawing shall be accomplished with a concrete sawing machine to prevent the surface from spalling when the material is broken out. This work shall be done in such a manner that a straight joint will be served.

No additional compensation will be allowed because of variations from the assumed thickness or from the thickness shown on the plans, or for variations in the amount of reinforcement.

If additional surface is damaged or removed due to any action on the part of the Contractor, the additional work to saw cut, remove and replace that damaged portion will not be measured for payment. This loss shall be borne by the Contractor.

Basis of Payment:

This work includes all labor, equipment, and materials required to saw cut as described above. This work will be paid for at the contract unit price per linear foot for SAWCUT CONCRETE SURFACE.

35. ASPHALT/CONCRETE SAWING:

This work shall include all labor and materials necessary to sawcut asphalt or concrete pavement, concrete curb & gutter, concrete sidewalk, and concrete driveway pavement for the installation of storm sewers and other related items.

Basis of Payment:

This work shall be paid for at the contract unit price per linear foot for ASPHALT/CONCRETE SAWING as measured in the field.

36. TEMPORARY DRIVEWAY ACCESS:

This work shall include all labor and materials necessary to construct and remove temporary aggregate access ramps into each driveway with access off of an alley after grading operations are complete. These ramps shall be constructed and completed to the satisfaction of the Engineer and shall remain in place until asphalt paving is to take place. The Contractor shall be responsible at his/her cost to maintain these aggregate ramps until permanent alley pavement and driveway approaches are in place.

Basis of Payment:

This work shall be paid for at the contract unit price per ton for TEMPORARY DRIVEWAY ACCESS.

37. MODULAR CONCRETE BLOCK RETAINING WALL (Revised 2/24/00):

This work shall include furnishing all materials, equipment, and labor necessary to install Modular concrete Block Retaining Walls.

Basis of Payment

This work shall be paid for at the contract unit price per square foot of wall face, including buried portions, for MODULAR CONCRETE BLOCK RETAINING WALL. This work shall also include the cost of the granular backfill and leveling pad.

38. EROSION CONTROL (Revised 1/1/13)

This item shall include all labor, materials, and equipment necessary to install and maintain storm sewer sediment control devices in accordance with the manufacturer's specifications and as directed by the engineer.

Flexstorm, Catch All, or FloGard inlet filters manufactured with woven monofilament geotextile filter fabric sediment bags shall be installed on the storm sewer inlet structures at all drainage discharge points during the installation of the storm sewer and prior to the excavation of the roadway. Also, metal plates of adequate size, shape and thickness shall be installed directly on all drainage structures providing a clean seal hindering debris from entering the drainage system.

Once the curb and gutter has been installed, Flexstorm, Catch All, or FloGard inlet filters shall be installed on all storm sewer inlet structure castings with open lids or grates, within or adjacent to the project limits, and shall remain in place until the asphalt and sod have been placed and the sod watering by the contractor has been completed. The entire frame and sediment bag shall be removed, and the structure cleared of all debris, prior to the City accepting this project.

It is the Contactor's responsibility to review the plans and/or worksite to determine the quantity of each drainage structure casting type. The foundry casting number or the exact grate size and clear opening size will provide the information necessary to identify the required FLEXSTORM, CATCH ALL, FLOGARD Inlet Filter part number.

The contractor shall be responsible for inspecting the sediment bags once per week and after every major rain event (1/2" or more), and removing and cleaning the sediment bag if it is more than half full or damaged. This shall be done until the Flexstorm, Catch All, or FloGard inlet filters are permanently removed.

Excess /waste construction material shall be properly disposed off-site. No cleaning of equipment or tools, including concrete trucks, will be allowed within the project limits or into the City's storm sewer drainage system. The contractor shall provide a concrete truck washout plan at the time of the project pre-construction meeting, which is in compliance with NPDES permit requirements.

This item shall also include all labor, materials, and equipment necessary to mechanically clean all existing paved surfaces used as egress points from the construction zone at the end of each working day.

Basis of Payment:

This work will be paid for at the contract unit price per lump sum for EROSION CONTROL. No other compensation shall be allowed for this work. Failure of the contractor to comply with this specification will result in progress payments being withheld for the project until the terms of this specification are met to the satisfaction of the Engineer.

39. DRIVEWAY PAVEMENT REMOVAL: (Revised 1/1/13)

This work includes the removal of existing driveway pavement in accordance with Section 440 of the "Standard Specifications", with the addition of the following: the removal of existing asphalt driveway surfaces shall be paid with this item. Saw cutting the existing concrete, or asphalt surface will be paid for separately.

Basis of Payment:

This work will be paid for at the contract unit price per square yard for DRIVEWAY PAVEMENT REMOVAL, measured in place, and which price shall include all labor, material, and equipment necessary to complete this work.

40. MATERIAL INSPECTION (Revised 1/31/16)

All hot mix asphalt and Portland cement concrete materials that are part of this project shall be tested and inspected in accordance with the Illinois Department of Transportation's Project Procedures Guidelines (PPG) and the process and frequency of testing under the QC/QA specifications.

The Contractor shall provide documentation verifying that the mix designs to be used on the project for hot mix asphalt and Portland cement concrete meet IDOT specifications for the materials shown in the contract documents. This documentation as well as the mix designs shall be provided at the pre-construction meeting for the project.

The City's consultant will perform the City's QA testing of asphalt and concrete materials on-site and at the plant and act as the City's QA Manager. The City's consultant's name and contact information will be provided at the project preconstruction meeting. The contractor shall provide a request for material testing by the City's consultant by 4pm by email or fax and copy the City Engineer, 48 hours in advance of construction for inspection of all hot mix asphalt and Portland cement concrete materials used on this project.

The cost for this work shall be considered incidental to the contract. No other compensation will be allowed for this work.

41. FRAMES AND LIDS TO BE FURNISHED AND INSTALLED (Revised 1/1/13)

This work shall consist of providing all the labor, material, and equipment to furnish and install frames and lids of the type specified, in accordance with Section 604 of the "Standard Specifications", on existing and new structures at locations and grades shown on the plans and as directed by the Engineer. Manhole closed lids shall be stamped "CITY OF JOLIET" and "SANITARY", "WATER" AND "STORM" accordingly. In addition, all sanitary and valve vault manhole covers shall have a concealed pick hole with sealed gasket. Approved casting to be used on sanitary sewer manholes is EJ 1050A1 with watertight lid or approved equal.

Any adjusting rings required shall be concrete and shall be incidental to the cost of this item.

Basis of Payment:

This work shall be paid for at the contract unit price each for FRAMES & LIDS TO BE FURNISHED AND INSTALLED, of the type specified.

42. TESTING FOR CONTAMINATED MATERIAL: (Revised 1/1/13)

This item shall include all materials, equipment, and labor, required to test ALL excavated materials for environmental contaminants as dictated by Clean Construction or Demolition Debris (CCDD) Legislation (PA 96-1416) incidental to the contract. It is the Contractor's responsibility to create and maintain all testing documentation to be supplied upon request.

Basis of Payment

All testing required shall be incidental to the contract.

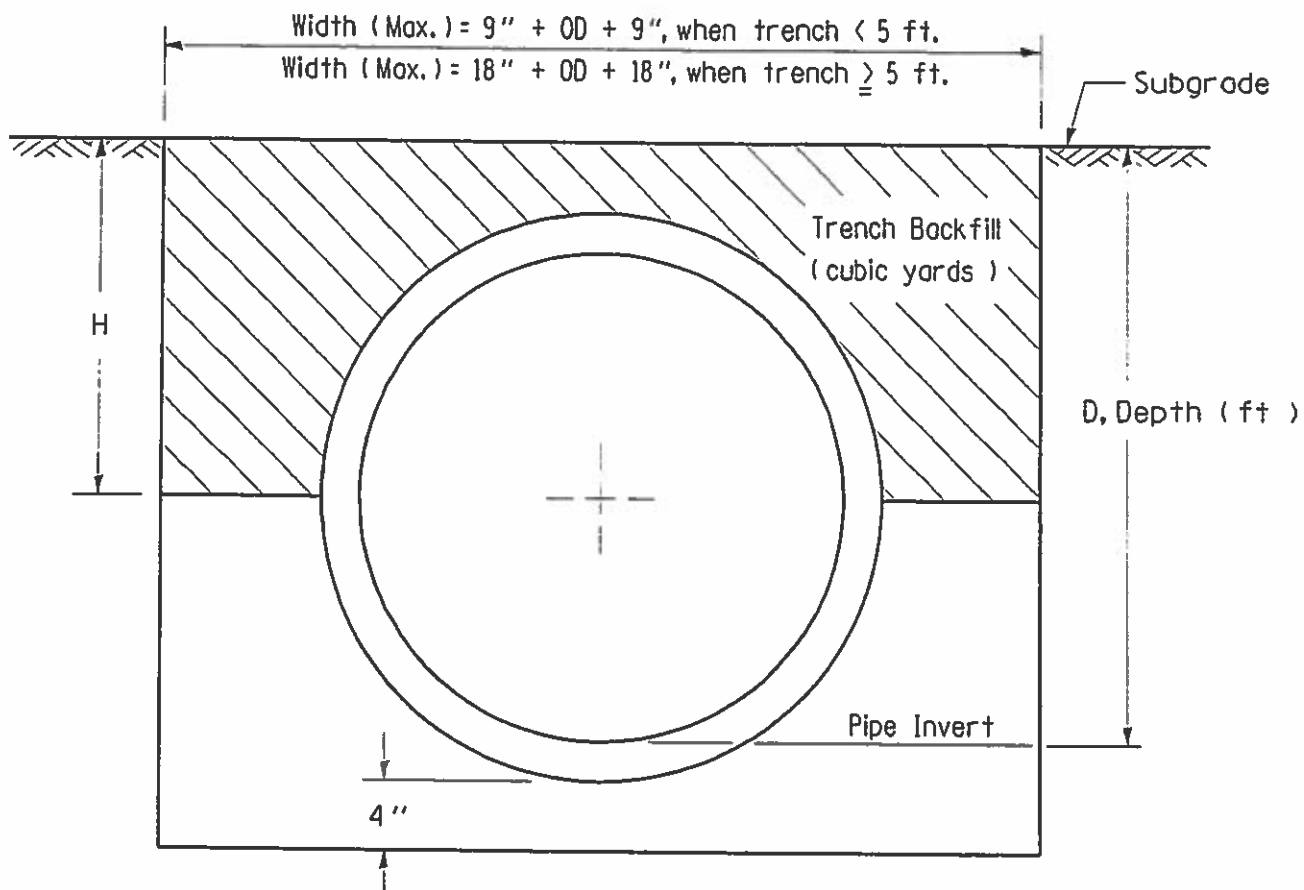
43. REMOVAL AND DISPOSAL OF CONTAMINATED MATERIAL: (Revised 1/1/13)

This item shall include all materials, equipment, and labor, required to remove and dispose of any excavated material which tests positive for contamination in accordance with all IEPA regulations.

Basis of Payment

This work shall be paid for at the contract unit price per cubic yard, for REMOVAL AND DISPOSAL OF CONTAMINATED MATERIAL.

TRENCH BACKFILL TABLE FOR CIRCULAR CONCRETE PIPE, ENGLISH



EXAMPLE

Given: Pipe = 42" Storm Sewer
 Average Depth, D = 6.8 feet
 Trench Length = 84.7 feet

Find: Cubic Yards or TRENCH BACKFILL

Solution: From Table, Cubic yard/lin. ft. = 1.093
 x Trench length = x 84.7
 TRENCH BACKFILL = 92.6 cu. yds.

NOTE: If the field engineer measures a width of trench less than the maximum permitted, the values included herein will be of no value. The actual volume of TRENCH BACKFILL used will therefore have to be calculated using the following formula:

$$\text{Cubic Yards} = \left[(H' \times W') - \left(\frac{\text{Pipe End Area}}{2} \right) \right] \times L' \times 1/27$$

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe	Inside Diameter Wall thickness	8" 1.667"	10" 1.833"	12" 2.00"	15" 2.25"	18" 2.50"	21" 2.75"
	2.0	0.138	0.136	0.132	0.121	0.105	0.083
2.2	0.156	0.155	0.152	0.143	0.130	0.111	
2.4	0.174	0.175	0.173	0.167	0.155	0.138	
2.6	0.192	0.194	0.194	0.190	0.180	0.166	
2.8	0.210	0.214	0.215	0.213	0.205	0.193	
3.0	0.228	0.234	0.236	0.236	0.231	0.220	
3.2	0.246	0.253	0.257	0.259	0.256	0.248	
3.4	0.264	0.272	0.278	0.282	0.281	0.275	
3.6	0.282	0.292	0.299	0.305	0.307	0.303	
3.8	0.300	0.311	0.320	0.329	0.332	0.330	
4.0	0.319	0.331	0.341	0.352	0.358	0.358	
4.2	0.336	0.350	0.362	0.375	0.383	0.385	
4.4	0.354	0.370	0.383	0.398	0.408	0.413	
4.6	0.610	0.622	0.632	0.642	0.647	0.647	
4.8	0.639	0.653	0.664	0.676	0.684	0.686	
5.0	0.668	0.683	0.696	0.711	0.720	0.724	
5.2	0.698	0.714	0.728	0.745	0.756	0.763	
5.4	0.727	0.745	0.760	0.779	0.793	0.801	
5.6	0.756	0.776	0.792	0.813	0.829	0.840	
5.8	0.785	0.807	0.824	0.848	0.866	0.879	
6.0	0.815	0.837	0.856	0.882	0.902	0.918	
6.2	0.844	0.867	0.888	0.916	0.938	0.956	
6.4	0.873	0.898	0.921	0.950	0.975	0.994	
6.6	0.903	0.929	0.953	0.985	1.011	1.033	
6.8	0.932	0.959	0.985	1.019	1.048	1.071	
7.0	0.961	0.990	1.017	1.053	1.084	1.110	
7.2	0.990	1.021	1.049	1.087	1.121	1.149	
7.4	1.019	1.051	1.081	1.122	1.157	1.187	
7.6	1.049	1.082	1.113	1.156	1.193	1.226	
7.8	1.078	1.113	1.145	1.190	1.230	1.264	
8.0	1.107	1.143	1.177	1.224	1.266	1.303	
8.2	1.136	1.174	1.209	1.259	1.303	1.342	
8.4	1.165	1.205	1.241	1.293	1.340	1.380	
8.6	1.195	1.235	1.274	1.328	1.376	1.419	
8.8	1.224	1.266	1.306	1.362	1.412	1.458	
9.0	1.253	1.297	1.338	1.396	1.449	1.496	
9.2	1.282	1.327	1.370	1.430	1.485	1.535	
9.4	1.311	1.358	1.402	1.465	1.522	1.574	
9.6	1.341	1.389	1.435	1.499	1.558	1.612	
9.8	1.370	1.419	1.467	1.533	1.594	1.651	
10.0	1.399	1.450	1.499	1.568	1.631	1.689	
10.2	1.428	1.481	1.531	1.602	1.667	1.728	
10.4	1.457	1.511	1.563	1.636	1.704	1.767	
10.6	1.487	1.542	1.595	1.671	1.740	1.805	
10.8	1.516	1.573	1.627	1.705	1.776	1.844	
11.0	1.545	1.603	1.659	1.739	1.813	1.882	
11.2	1.574	1.634	1.691	1.773	1.849	1.921	
11.4	1.603	1.665	1.723	1.808	1.886	1.960	
11.6	1.633	1.696	1.755	1.842	1.922	1.998	
11.8	1.662	1.726	1.788	1.876	1.958	2.037	
For each additional 0.2' depth		+0.0292	+0.0307	+0.0321	+0.0343	+0.0364	+0.0386

GENERAL CONDITIONS

**Please see the City of Joliet Special Provision and General Conditions Booklet
Adopted February 29, 2016 available on Cityofjoliet.info.**

TRAFFIC CONTROL PLAN

Effective: September 30, 1985

Revised: January 1, 2007

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

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

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

STANDARDS: IDOT Standard 701501, 701801; BLR 22-7

DETAILS:

SPECIAL PROVISIONS: See City of Joliet special Provision

BDE SPECIAL PROVISIONS
For the April 22 and June 10, 2016 Lettings

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

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80099	1	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
* 80274	2	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192	3	Automated Flagger Assistance Device	Jan. 1, 2008	
80173	4	Bituminous Materials Cost Adjustments	Nov. 2, 2006	July 1, 2015
80241	5	Bridge Demolition Debris	July 1, 2009	
50261	6	Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481	7	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491	8	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531	9	Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80360	10	Coarse Aggregate Quality	July 1, 2015	
80198	11	Completion Date (via calendar days)	April 1, 2008	
80199	12	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293	13	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	April 1, 2015
* 80311	14	Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
* 80277	15	Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
80261	16	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
* 80029	17	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 2, 2016
* 80363	18	Engineer's Field Office	April 1, 2016	
80358	19	Equal Employment Opportunity	April 1, 2015	
* 80364	20	Errata for the 2016 Standard Specifications	April 1, 2016	
80229	21	Fuel Cost Adjustment	April 1, 2009	July 1, 2015
80304	22	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Aug. 1, 2014
* 80246	23	✓ Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2016
* 80347	24	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	April 1, 2016
* 80336	25	Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
80045	26	Material Transfer Device	June 15, 1999	Aug. 1, 2014
* 80342	27	Mechanical Side Tie Bar Inserter	Aug. 1, 2014	April 1, 2016
80165	28	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
* 80361	29	Overhead Sign Structures Certification of Metal Fabricator	Nov. 1, 2015	April 1, 2016
* 80349	30	Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
* 80298	31	Pavement Marking Tape Type IV	April 1, 2012	April 1, 2016
* 80365	32	Pedestrian Push-Button	April 1, 2016	
* 80359	33	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	April 1, 2016
* 80353	34	Portland Cement Concrete Inlay or Overlay	Jan. 1, 2015	April 1, 2016
* 80338	35	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	April 1, 2014	April 1, 2016
* 80300	36	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
80328	37	Progress Payments	Nov. 2, 2013	
34261	38	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	39	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
* 80306	40	✓ Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	April 1, 2016
* 80340	41	Speed Display Trailer	April 2, 2014	April 1, 2016
80127	42	Steel Cost Adjustment	April 2, 2004	July 1, 2015
80362	43	Steel Slag in Trench Backfill	Jan. 1, 2016	
* 80317	44	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	April 1, 2016

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80355	45	Temporary Concrete Barrier	Jan. 1, 2015	July 1, 2015
20338	46	Training Special Provisions	Oct. 15, 1975	
80318	47	Traversable Pipe Grate	Jan. 1, 2013	April 1, 2014
* 80288	48	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	49	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80289	50	Wet Reflective Thermoplastic Pavement Marking	Jan. 1, 2012	
80071	51	Working Days	Jan. 1, 2002	

The following special provisions and recurring special provisions are in the 2016 Standard Specifications.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80240	Above Grade Inlet Protection	Articles 280.02, 280.04, and 1081.15	July 1, 2009	Jan. 1, 2012
80310	Coated Galvanized Steel Conduit	Article 811.03	Jan. 1, 2013	Jan. 1, 2015
80341	Coilable Nonmetallic Conduit	Article 1088.01	Aug. 1, 2014	Jan. 1, 2015
80294	Concrete Box Culverts with Skews ≤ 30 Degrees Regardless of Design Fill and Skews > 30 Degrees with Design Fills > 5 Feet	Article 540.04	April 1, 2012	April 1, 2014
80334	Concrete Gutter, Curb, Median, and Paved Ditch	Articles 606.02, 606.07, and 1050.04	April 1, 2014	Aug. 1, 2014
80335	Contract Claims	Article 109.09	April 1, 2014	
Chk Sht #27	English Substitution of Metric Reinforcement Bars	Article 508.09	April 1, 1996	Jan. 1, 2011
80265	Friction Aggregate	Articles 1004.01 and 1004.03	Jan. 1, 2011	Nov. 1, 2014
80329	Glare Screen	Sections 638 and 1085	Jan. 1, 2014	
Chk Sht #20	Guardrail and Barrier Wall Delineation	Sections 635, 725, 782, and 1097	Dec. 15, 1993	Jan. 1, 2012
80322	Hot-Mix Asphalt – Mixture Design Composition and Volumetric Requirements	Sections 312, 355, 406, 407, 442, 482, 601, 1003, 1004, 1030, and 1102	Nov. 1, 2013	Nov. 1, 2014
80323	Hot-Mix Asphalt – Mixture Design Verification and Production	Sections 406, 1030, and 1102	Nov. 1, 2013	Nov. 1, 2014
80348	Hot-Mix Asphalt – Prime Coat	Sections 403, 406, 407, 408, 1032, and 1102	Nov. 1, 2014	
80315	Insertion Lining of Culverts	Sections 543 and 1029	Jan. 1, 2013	Nov. 1, 2013
80351	Light Tower	Article 1069.08	Jan. 1, 2015	
80324	LRFD Pipe Culvert Burial Tables	Sections 542 and 1040	Nov. 1, 2013	April 1, 2015
80325	LRFD Storm Sewer Burial Tables	Sections 550 and 1040	Nov. 1, 2013	April 1, 2015
80337	Paved Shoulder Removal	Article 440.07	April 1, 2014	
80254	Pavement Patching	Article 701.17	Jan. 1, 2010	
80352	Pavement Striping - Symbols	Article 780.14	Jan. 1, 2015	
Chk Sht #19	Pipe Underdrains	Section 601 and Articles 1003.01, 1003.04, 1004.05, 1040.06, and 1080.05	Sept. 9, 1987	Jan. 1, 2007
80343	Precast Concrete Handhole	Articles 814.02, 814.03, and 1042.17	Aug. 1, 2014	
80350	Retroreflective Sheeting for Highway Signs	Article 1091.03	Nov. 1, 2014	
80327	Reinforcement Bars	Section 508 and Articles 421.04, 442.06, 1006.10	Nov. 1, 2013	
80344	Rigid Metal Conduit	Article 1088.01	Aug. 1, 2014	
80354	Sidewalk, Corner, or Crosswalk Closure	Article 1106.02	Jan. 1, 2015	April 1, 2015
80301	Tracking the Use of Pesticides	Article 107.23	Aug. 1, 2012	
80356	Traffic Barrier Terminals Type 6 or 6B	Article 631.02	Jan. 1, 2015	
80345	Underpass Luminaire	Articles 821.06 and 1067.04	Aug. 1, 2014	April 1, 2015

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80357	Urban Half Road Closure with Mountable Median	Articles 701.18, 701.19, and 701.20	Jan. 1, 2015	July 1, 2015
80346	Waterway Obstruction Warning Luminaire	Article 1067.07	Aug. 1, 2014	April 1, 2015

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

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

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

Effective: January 1, 2010

Revised: April 1, 2016

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

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

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

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

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

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

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

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (BDE)

Effective: November 1, 2012

Revise: April 1, 2016

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES

1031.01 Description. Reclaimed asphalt pavement and reclaimed asphalt shingles shall be according to the following.

- (a) Reclaimed Asphalt Pavement (RAP). RAP is the material produced by cold milling or crushing an existing hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.
- (b) Reclaimed Asphalt Shingles (RAS). Reclaimed asphalt shingles (RAS). RAS is from the processing and grinding of preconsumer or post-consumer shingles. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable material, as defined in Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Bureau of Materials and Physical Research approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 93 percent passing the #4 (4.75 mm) sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.
 - (1) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.
 - (2) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1031.02 Stockpiles. RAP and RAS stockpiles shall be according to the following.

- (a) RAP Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface").

Prior to milling, the Contractor shall request the District provide documentation on the quality of the RAP to clarify the appropriate stockpile.

- (1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP shall pass the sieve size specified below for the mix into which the FRAP will be incorporated.

Mixture FRAP will be used in:	Sieve Size that 100 % of FRAP Shall Pass
IL-19.0	1 1/2 in. (40 mm)
IL-9.5	3/4 in. (20 mm)
IL-4.75	1/2 in. (13 mm)

- (2) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures and represent: 1) the same aggregate quality, but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogeneous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.
- (3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag.
- (4) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

- (b) RAS Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise specified by the Engineer, mechanically blending manufactured sand (FM 20 or FM 22) up to an equal weight of RAS with the processed RAS will be permitted to improve workability. The sand shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type, and lot number shall be maintained by project contract number and kept for a minimum of three years.

1031.03 Testing. RAP/FRAP and RAS testing shall be according to the following.

(a) **RAP/FRAP Testing.** When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

(1) **During Stockpiling.** For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

(2) **After Stockpiling.** For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Each sample shall be split to obtain two equal samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

(b) **RAS Testing.** RAS or RAS blended with manufactured sand shall be sampled and tested during stockpiling according to Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Source".

Samples shall be collected during stockpiling at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 250 tons (225 metric tons) thereafter. A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton (900 metric ton), five-sample/test stockpile has been established it shall be sealed. Additional incoming RAS or RAS blended with manufactured sand shall be stockpiled in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

Before testing, each sample shall be split to obtain two test samples. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall perform a washed extraction and test for unacceptable materials on the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

If the sampling and testing was performed at the shingle processing facility in accordance with the QC Plan, the Contractor shall obtain and make available all of the test results from start of the initial stockpile.

1031.04 Evaluation of Tests. Evaluation of test results shall be according to the following.

(a) Evaluation of RAP/FRAP Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation, and when applicable G_{mm} . Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/Homogeneous/ Conglomerate
1 in. (25 mm)	
1/2 in. (12.5 mm)	± 8 %
No. 4 (4.75 mm)	± 6 %
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	
No. 30 (600 μ m)	± 5 %
No. 200 (75 μ m)	± 2.0 %
Asphalt Binder	± 0.4 % ^{1/}
G_{mm}	± 0.03

1/ The tolerance for FRAP shall be ± 0.3 %.

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, the RAP/FRAP shall not be used in HMA unless the RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the ITP, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

(b) Evaluation of RAS and RAS Blended with Manufactured Sand Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 µm)	± 4 %
No. 200 (75 µm)	± 2.0 %
Asphalt Binder Content	± 1.5 %

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, or if the percent unacceptable material exceeds 0.5 percent by weight of material retained on the # 4 (4.75 mm) sieve, the RAS or RAS blend shall not be used in Department projects. All test data and acceptance ranges shall be sent to the District for evaluation.

1031.05 Quality Designation of Aggregate in RAP/FRAP.

- (a) RAP. The aggregate quality of the RAP for homogeneous and conglomerate stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.
 - (1) RAP from Class I, Superpave/HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.
 - (2) RAP from Class I binder, Superpave/HMA (High ESAL) binder, or (Low ESAL) IL-19.0L binder mixtures are designated as containing Class C quality coarse aggregate.
- (b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Coarse and fine FRAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant laboratory prequalified by the Department for the specified testing. The consultant laboratory shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the Bureau of Materials and Physical Research Aggregate Lab for MicroDeval Testing, according to ITP 327. A maximum loss of 15.0 percent will be applied for all HMA applications.

1031.06 Use of RAP/FRAP and/or RAS in HMA. The use of RAP/FRAP and/or RAS shall be the Contractor's option when constructing HMA in all contracts.

- (a) RAP/FRAP. The use of RAP/FRAP in HMA shall be as follows.

- (1) **Coarse Aggregate Size.** The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.
 - (2) **Steel Slag Stockpiles.** Homogeneous RAP stockpiles containing steel slag will be approved for use in all HMA (High ESAL and Low ESAL) Surface and Binder Mixture applications.
 - (3) **Use in HMA Surface Mixtures (High and Low ESAL).** RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. RAP/FRAP from Conglomerate stockpiles shall be considered equivalent to limestone for frictional considerations. Known frictional contributions from plus #4 (4.75 mm) homogeneous RAP and FRAP stockpiles will be accounted for in meeting frictional requirements in the specified mixture.
 - (4) **Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening.** RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP, homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.
 - (5) **Use in Shoulders and Subbase.** RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, or conglomerate.
 - (6) **When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in Article 1031.06(c)(1) below for a given Ndesign.**
- (b) **RAS.** RAS meeting Type 1 or Type 2 requirements will be permitted in all HMA applications as specified herein.
 - (c) **RAP/FRAP and/or RAS Usage Limits.** Type 1 or Type 2 RAS may be used alone or in conjunction with RAP or FRAP in HMA mixtures up to a maximum of 5.0 percent by weight of the total mix.
 - (1) **RAP/RAS.** When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the Max RAP/RAS ABR table listed below for the given Ndesign.

RAP/RAS Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures <i>1/, 2/</i>	RAP/RAS Maximum ABR %		
	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10

50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28). If warm mix asphalt (WMA) technology is utilized and production temperatures do not exceed 275 °F (135 °C), the high and low virgin asphalt binder grades shall each be reduced by one grade when RAP/RAS ABR exceeds 25 percent (i.e. 26 percent RAP/RAS ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

(2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the FRAP/RAS table listed below for the given Ndesign.

FRAP/RAS Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures <i>1, 2/</i>	FRAP/RAS Maximum ABR %			
	Ndesign	Binder/Leveling Binder	Surface	Polymer Modified ^{3, 4/}
	30	50	40	10
	50	40	35	10
	70	40	30	10
	90	40	30	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28). If warm mix asphalt (WMA) technology is utilized and production temperatures do not exceed 275 °F (135 °C), the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP/RAS ABR exceeds 25 percent (i.e. 26 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

3/ For SMA the FRAP/RAS ABR shall not exceed 20 percent.

4/ For IL-4.75 mix the FRAP/RAS ABR shall not exceed 30 percent.

1031.07 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP and/or RAS material meeting the detailed requirements specified herein.

- (a) RAP/FRAP and/or RAS. RAP/FRAP and/or RAS mix designs shall be submitted for verification. If additional RAP/FRAP and/or RAS stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP/FRAP and/or RAS stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP and/or RAS stockpiles may be used in the original mix design at the percent previously verified.
- (b) RAS. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.300 shall be used for mix design purposes.

1031.08 HMA Production. HMA production utilizing RAP/FRAP and/or RAS shall be as follows.

- (a) RAP/FRAP. The coarse aggregate in all RAP/FRAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If the RAP/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

- (b) RAS. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.
- (c) RAP/FRAP and/or RAS. HMA plants utilizing RAP/FRAP and/or RAS shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

- a. Date, month, year, and time to the nearest minute for each print.

- b. HMA mix number assigned by the Department.
- c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- d. Accumulated dry weight of RAP/FRAP/RAS in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- g. Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.
- h. Aggregate and RAP/FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP are printed in wet condition.)

(2) Batch Plants.

- a. Date, month, year, and time to the nearest minute for each print.
- b. HMA mix number assigned by the Department.
- c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- d. Mineral filler weight to the nearest pound (kilogram).
- e. RAP/FRAP/RAS weight to the nearest pound (kilogram).
- f. Virgin asphalt binder weight to the nearest pound (kilogram).
- g. Residual asphalt binder in the RAP/FRAP/RAS material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.09 RAP in Aggregate Surface Course and Aggregate Wedge Shoulders, Type B.
The use of RAP in aggregate surface course (temporary access entrances only) and aggregate wedge shoulders, Type B shall be as follows.

- (a) **Stockpiles and Testing.** RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply. RAP used shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".
- (b) **Gradation.** One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

80306

WARM MIX ASPHALT (BDE)

Effective: January 1, 2012

Revised: April 1, 2016

Description. This work shall consist of designing, producing and constructing Warm Mix Asphalt (WMA) in lieu of Hot Mix Asphalt (HMA) at the Contractor's option. Work shall be according to Sections 406, 407, 408, 1030, and 1102 of the Standard Specifications, except as modified herein. In addition, any references to HMA in the Standard Specifications, or the special provisions shall be construed to include WMA.

WMA is an asphalt mixture which can be produced at temperatures lower than allowed for HMA utilizing approved WMA technologies. WMA technologies are defined as the use of additives or processes which allow a reduction in the temperatures at which HMA mixes are produced and placed. WMA is produced by the use of additives, a water foaming process, or combination of both. Additives include minerals, chemicals or organics incorporated into the asphalt binder stream in a dedicated delivery system. The process of foaming injects water into the asphalt binder stream, just prior to incorporation of the asphalt binder with the aggregate.

Approved WMA technologies may also be used in HMA provided all the requirements specified herein, with the exception of temperature, are met. However, asphalt mixtures produced at temperatures in excess of 275 °F (135 °C) will not be considered WMA when determining the grade reduction of the virgin asphalt binder grade.

Equipment.

Revise the first paragraph of Article 1102.01 of the Standard Specifications to read:

"1102.01 Hot-Mix Asphalt Plant. The hot-mix asphalt (HMA) plant shall be the batch-type, continuous-type, or dryer drum plant. The plants shall be evaluated for prequalification rating and approval to produce HMA according to the current Bureau of Materials and Physical Research Policy Memorandum, "Approval of Hot-Mix Asphalt Plants and Equipment". Once approved, the Contractor shall notify the Bureau of Materials and Physical Research to obtain approval of all plant modifications. The plants shall not be used to produce mixtures concurrently for more than one project or for private work unless permission is granted in writing by the Engineer. The plant units shall be so designed, coordinated and operated that they will function properly and produce HMA having uniform temperatures and compositions within the tolerances specified. The plant units shall meet the following requirements."

Add the following to Article 1102.01(a) of the Standard Specifications.

"(11) Equipment for Warm Mix Technologies.

- a. **Foaming.** Metering equipment for foamed asphalt shall have an accuracy of ± 2 percent of the actual water metered. The foaming control system shall be electronically interfaced with the asphalt binder meter.

- b. **Additives.** Additives shall be introduced into the plant according to the supplier's recommendations and shall be approved by the Engineer. The system for introducing the WMA additive shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes."

Mix Design Verification.

Add the following to Article 1030.04 of the Standard Specifications.

"(e) **Warm Mix Technologies.**

- (1) **Foaming.** WMA mix design verification will not be required when foaming technology is used alone (without WMA additives). However, the foaming technology shall only be used on HMA designs previously approved by the Department.
- (2) **Additives.** WMA mix designs utilizing additives shall be submitted to the Engineer for mix design verification."

Construction Requirements.

Revise the second paragraph of Article 406.06(b)(1) of the Standard Specifications to read:

"The HMA shall be delivered at a temperature of 250 to 350 °F (120 to 175 °C).
WMA shall be delivered at a minimum temperature of 215 °F (102 °C)."

Basis of Payment.

This work will be paid at the contract unit price bid for the HMA pay items involved. Anti-strip will not be paid for separately, but shall be considered as included in the cost of the work.

80288

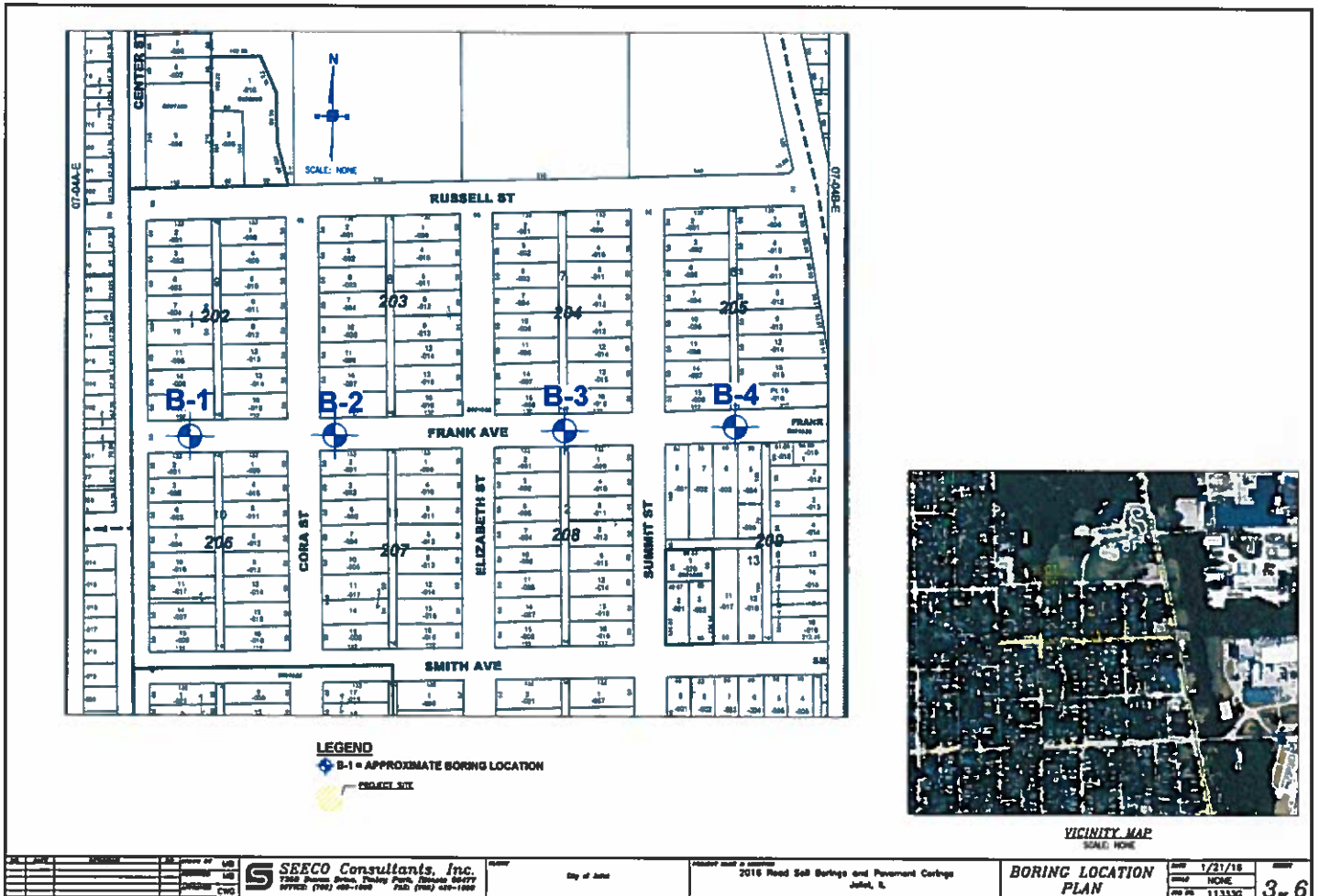
WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 25 working days.

80071

FOR INFORMATION PURPOSE ONLY



FOR INFORMATION PURPOSE ONLY

BORING LOG

CLIENT City of Joliet	PROJECT 2016 Road Soil Borings and Pavement Corings
ENGINEER City of Joliet Department of Public Works and Utilities	LOCATION Joliet, IL

DEPTH ELEVATION	SAMPLE NO.	SAMPLER TYPE	SAMPLE REC. (%)	SOIL GRAPHIC LOG	BORING NUMBER	UNIT DRY WT. LBS./FT. ³	Unconfined Compressive Strength, Tons/Ft. ²					REMARKS
					B-1		1 2 3 4 5 PL MC LL ▲ × ▲ STD "N" PENETRATION BLOWS PER FT. 10 20 30 40 50					
					5.0" BITUMINOUS CONCRETE PAVEMENT							
					6.0" CRUSHED STONE BASE COURSE (Frozen)							
	1A	SS	83		FILL: CLAY, Dark Brown and Trace Brown, Trace Sand, Stiff, Moist (A-6)							
2.5	1B	HS			CLAY, Brown and Gray, Trace Sand and Gravel, Very Stiff to Hard, Moist (A-6)							
	2	SS	50									
5.0		HS										
	3	SS	78									
7.5		HS										
	4	SS	56									
10.0		HS										
	5	SS	39									
12.5					End of Boring @ 12.0 Feet							

Note:
 1) Boring located on Frank Avenue adjacent to 1265 Cora Street.
 2) Ground was frozen in the upper 1 foot on this date.

☉ Calibrated Penetrometer Unconfined Compression

Water Level Observations		SEECO Consultants, Inc. 7350 Duvan Drive, Tinley Park, IL 60477	Boring Started 1/22/16	
			Boring Completed 1/22/16	
Dry WS/WD	Dry ACR		Driller EN	Rig D-50
Auto Hammer Efficiency = 89%		Approved By GG	Job No. 11333G	Drawn By MB Sheet 1 of 1

FOR INFORMATION PURPOSE ONLY

BORING LOG

CLIENT City of Joliet	PROJECT 2016 Road Soil Borings and Pavement
ENGINEER City of Joliet Department of Public Works and Utilities	Corings
	LOCATION Joliet, IL

DEPTH ELEVATION	SAMPLE NO.	SAMPLER TYPE	SAMPLE REC. (%)	SOIL GRAPHIC LOG	BORING NUMBER		UNIT DRY WT. LBS./FT. ³	Unconfined Compressive Strength, Tons/Ft. ²					REMARKS
					B-2			1 2 3 4 5					
					APPROX. SURFACE ELEVATION (C.C.D.) +			PL MC LL					
					NORTH	EAST		STD "N" PENETRATION BLOWS PER FT.					
DESCRIPTION OF MATERIALS (LABORATORY CLASSIFICATION)					10 20 30 40 50								
		HS		4.0" BITUMINOUS CONCRETE PAVEMENT									
		HS		9.0" CRUSHED STONE BASE COURSE (Frozen)									
1A	SS 44			FILL: SAND AND GRAVEL, Dark Brown, Dry (Frozen)									
1B				FILL: CLAY, Brown, Gray, and Trace Black, Trace Sand, Stiff, Moist (A-6)									
2.5		HS											
2	SS 72			CLAY, Brown and Gray, Trace Sand and Gravel, Very Stiff to Hard, Moist (A-6)									
5.0		HS											
3	SS 78												
7.5		HS											
4	SS 89												
10.0		HS											
5	SS 50												
12.5				End of Boring @ 12.0 Feet									
				Note: 1) Boring Located on Frank Avenue adjacent to 1300 Cora Street. 2) Ground was frozen in the upper 2 Feet on this date.									

☉ Calibrated Penetrometer Unconfined Compression

Water Level Observations		SEECO Consultants, Inc. 7350 Duvan Drive, Tinley Park, IL 60477	Boring Started 1/22/16	
			Boring Completed 1/22/16	
Dry WS/WD	Dry ACR		Driller EN	Rig D-50
Auto Hammer Efficiency = 89%		Approved By GG	Job No. 11333G	Drawn By MB
		Sheet 1 of 1		

FOR INFORMATION PURPOSE ONLY

BORING LOG

CLIENT City of Joliet	PROJECT 2016 Road Soil Borings and Pavement
ENGINEER City of Joliet Department of Public Works and Utilities	LOCATION Joliet, IL

DEPTH	ELEVATION	SAMPLE NO.	SAMPLER TYPE	SAMPLE REC. (%)	SOIL GRAPHIC LOG	BORING NUMBER B-4	Unconfined Compressive Strength, Tons/Ft. ²					REMARKS
							1	2	3	4	5	
							APPROX. SURFACE ELEVATION (C.C.D.) +					
							NORTH		EAST			
							DESCRIPTION OF MATERIALS (LABORATORY CLASSIFICATION)					
			HS									
		1	SS	67								
2.5			HS									
		2	SS	44								
5.0			HS									
		3	SS	33								
7.5												

☉ Calibrated Penetrometer Unconfined Compression

Water Level Observations		SEECO Consultants, Inc. 7350 Duvan Drive, Tinley Park, IL 60477	Boring Started 1/22/16	
			Boring Completed 1/22/16	
Dry WS/WD	Dry ACR	Approved By GG	Job No. 11333G	Driller EN Rig D-50
Auto Hammer Efficiency = 89%		Job No. 11333G	Drawn By MB	Sheet 1 of 1

ADJUSTMENT ITEMS	EX	PR	ALIGNMENT ITEMS	EX	PR	CONTOUR ITEMS	EX	PR
Structure To Be Adjusted			Baseline			Approx. Index Line		
Structure To Be Cleaned			Centerline			Approx. Intermediate Line		
Main Structure To Be Filled			Centerline Break Circle			Index Contour		
Structure To Be Filled			Baseline Symbol			Intermediate Contour		
Structure To Be Filled Special			Centerline Symbol			DRAINAGE ITEMS		
Structure To Be Removed			PI Indicator			Channel or Stream Line		
Structure To Be Reconstructed			Point Indicator			Culvert Line		
Structure To Be Reconstructed Special			Horizontal Curve Data (Half Size)			Grading & Shaping Ditches		
Frame and Grotto To Be Adjusted			Horizontal Curve Data (Half Size)			Drainage Boundary Line		
Frame and Lid To Be Adjusted			BOUNDARIES ITEMS			Paved Ditch		
Domestic Service Box To Be Adjusted			Dashed Property Line			Aggregate Ditch		
Valve Vault To Be Adjusted			Solid Property/Lot Line			Pipe Under-drain		
Special Adjustment			Section/Grant Line			Storm Sewer		
Item To Be Abandoned			Quarter Section Line			Flowline		
Item To Be Moved			Quarter/Quarter Section Line			Ditch Check		
Item To Be Relocated			County/Township Line			Headwall		
Pavement Removal and Replacement			State Line			Inlet		
			Iron Pipe Found			Mannote		
			Iron Pipe Set			Summit		
			Survey Marker			Roadway Ditch Flow		
			Property Line Symbol			Strade		
			Same Ownership Symbol (Half Size)			Catch Basin		
			Northeast Quarter Corner (Half Size)			Culvert End Section		
			Section Corner (Half Size)			Water Surface Indicator		
			Southeast Quarter Corner (Half Size)			Ribrop		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 STANDARD 000001-06
 (Sheet 2 of 8)

Illinois Department of Transportation
 ISSUED 1-1-97
 PASSED January 11, 2011
 DELETED BY [Signature]
 APPROVED [Signature] January 11, 2011
 DIVISION OF DESIGN AND ENVIRONMENT

EROSION & SEDIMENT CONTROL ITEMS

Cleaning & Grading Limits	PR	
Dike	PR	
Erosion Control Fence	PR	
Perimeter Erosion Barrier	PR	
Temporary Fence	PR	
Ditch Check Temporary	PR	
Ditch Check Permanent	PR	
Inlet & Pipe Protection	PR	
Sediment Basin	PR	
Erosion Control Blanket	PR	
Fabric Formed Concrete Revetment Mat	PR	
Turf Reinforcement Mat	PR	
Mulch Temporary	PR	
Mulch Method 1	PR	
Mulch Method 2 Stabilized	PR	
Mulch Method 3 Hydraulic	PR	

NON-HIGHWAY IMPROVEMENT ITEMS

Noise Att'n./Levee	EX	
Field Line	EX	
Fence	EX	
Base of Levee	EX	
Mulchbox	PR	
Multiple Mulchboxes	PR	
Pay Telephone	PR	
Advertising Sign	PR	
Contour Mounding Line	PR	
Fence	PR	
Fence Post	PR	
Srubs	PR	
Mowing	PR	
Perennial Plants	PR	
Seeding Class 2	PR	
Seeding Class 2A	PR	
Seeding Class 4	PR	
Seeding Class 4 & 5 Combined	PR	

EXISTING LANDSCAPING ITEMS (cont'd.)

Seeding Class 5	PR	
Seeding Class 7	PR	
Seedings Type 1	PR	
Seedings Type 2	PR	
Sodding	PR	
Mowstake w/Sign	PR	
Tree Trunk Protection	PR	
Evergreen Tree	PR	
Shade Tree	PR	
LIGHTING		
Duct	EX	
Conduit	EX	
Electrical Aerial Cable	EX	
Electrical Buried Cable	EX	
Contrailer	EX	
Underpass Luminaire	EX	
Power Pole	EX	

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 (Sheet 3 of 8)
 STANDARD 000007-06

Illinois Department of Transportation
 PASSED January 11, 2011
 ENGINEER OF PUBLIC WORKS
 APPROVED [Signature] January 11, 2011
 ASSISTANT ENGINEER

LIGHTING
(Cont'd.)

Pole Point		PR
Handhole		PR
Heavy Duty Handhole		PR
Junction Box		PR
Light Unit Comb.		PR
Electrical Ground		PR
Traffic Flow Arrow		PR
High Mast Pole 80"t Size		PR
Light Unit-1		PR

PAVEMENT (MISC.)

Keyed Long. Joint		PR
Keyed Long. Joint w/Tie Bars		PR
Sawed Long. Joint w/Tie Bars		PR
Bituminous Shoulder		PR
Bituminous Taper		PR
Stabilized Driveway		PR
Widening		PR

PAVEMENT MARKINGS

Bike Lane Symbol		PR
Bike Lane Text		PR
Handicap Symbol		PR
RR Crossing		PR
Raised Marker Amber 1 Way		PR
Raised Marker Amber 2 Way		PR
Raised Marker Crystal 1 way		PR
Two Way Turn Left		PR
Shoulder Diag. Pattern		PR
Skip-Dash White		PR
Skip-Dash Yellow		PR
Stop Line		PR
Solid Line		PR
Double Centerline		PR
Dotted Lines		PR
CL 2Ln 2Way RRPM 12.2 m (40') o.c.		PR
CL 2Ln 2Way RRPM 60' (18.4 m) o.c.		PR
CL MultiLane Div. RRPM 40' (12.2 m) o.c.		PR
CL MultiLane Div. RRPM 60' (18.4 m) o.c.		PR
CL MultiLane Div. DBL RRPM 60' (18.4 m) o.c.		PR
CL MultiLane Undiv.		PR
Two Way Turn Left Line		PR

Illinois Department of Transportation
 PASSED: _____ 2011
 DEPARTMENT OF TRANSPORTATION
 APPROVED: _____ 2011
 ENGINEER OF RECORD FOR THIS PROJECT

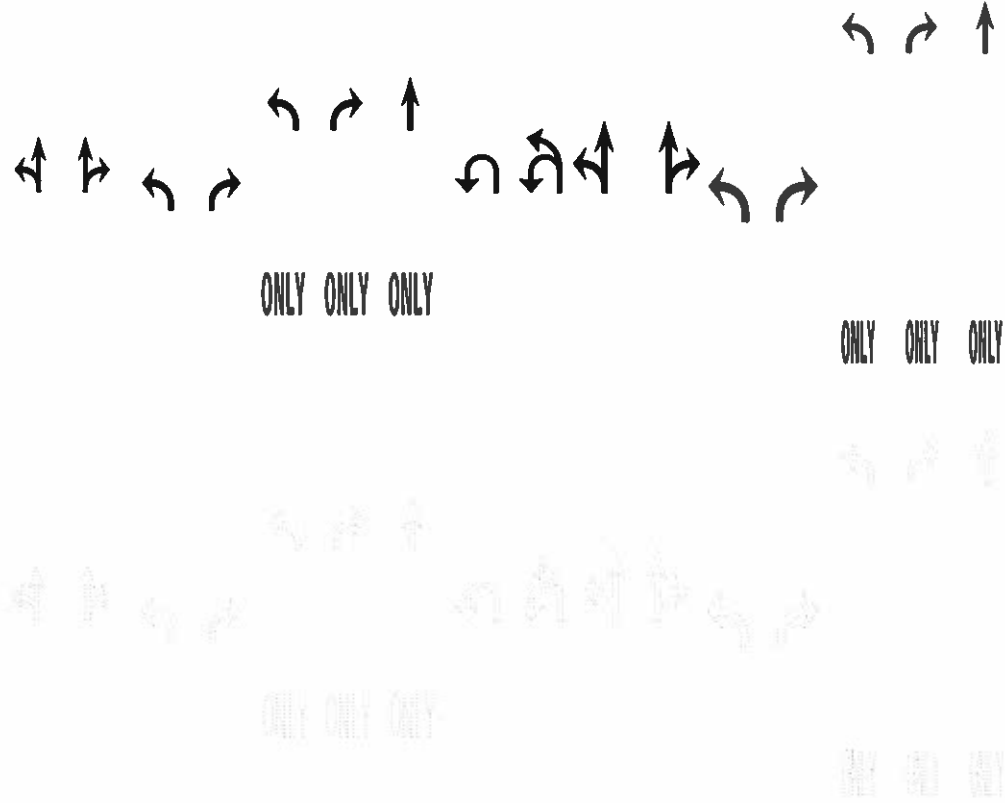
**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**
 Sheet 4 of 81
 STANDARD 000001-06

PAVEMENT MARKINGS
(contd.)

- Urban Combination Left
- Urban Combination Right
- Urban Left Turn Arrow
- Urban Right Turn Arrow
- Urban Left Turn Only
- Urban Right Turn Only
- Urban Thru Only
- Urban U-Turn
- Urban Combined U-Turn
- Rural Combination Left
- Rural Combination Right
- Rural Left Turn Arrow
- Rural Right Turn Arrow
- Rural Left Turn Only
- Rural Right Turn Only
- Rural Thru Only

EX

PR



RAILROAD ITEMS

- Abandoned Railroad
- Railroad
- Railroad Point
- Central Box
- Crossing Gate
- Flashing Signal
- Railroad Cent. Mast Arm
- Crossback

PR

EX

REMOVAL ITEMS

- Removal Tic
- Bituminous Removal
- Hatch Pattern
- Tree Removal Single

PR

EX

RIGHT OF WAY ITEMS

- Future ROW Corner Monument
- ROW Marker
- ROW Line
- Easement
- Temporary Easement

PR

EX

Illinois Department of Transportation
 ISSUED 1-1-87
 APPROVED BY: [Signature]
 ENGINEER OF PUBLIC WORKS
 APPROVED BY: [Signature]
 SUPERVISOR OF HIGHWAY CONSTRUCTION

**STANDARD SYMBOLS,
 ABBREVIATIONS
 AND PATTERNS**
 (Sheet 5 of 8)
 STANDARD 000001-06

TRAFFIC SIGNAL ITEMS	EX	PR
Cable Number		
Left Turn Green		
Left Turn Yellow		
Signal Backplate		
Signal Section 8" (200 mm)		
Signal Section 12" (300 mm)		
Walk/Don't Walk Letters		
Walk/Don't Walk Symbols		
TRAFFIC SIGNAL ITEMS	EX	PR
Cable Steel Conduit		
Underground Cable		
Detector Loop Line		
Detector Loop Large		
Detector Loop Small		
Detector Loop Quadrangle		

STRUCTURES ITEMS	EX	PR
Box Culvert Barral		
Box Culvert Hooded		
Bridge Pier		
Bridge		
Retaining Wall		
Temporary Sheet Piling		

SIGNING ITEMS (cont'd.)	EX	PR
One Way Arrow L/O. W1-6-101 (Half Size)		
Two Way Arrow Large W1-7-101 (Half Size)		
Detour M4-10L-101 (Half Size)		
Detour M4-10R-101 (Half Size)		
One Way Left R6-1L (Half Size)		
One Way Right R6-1R (Half Size)		
Left Turn Lane R3-1100L (Half Size)		
Keep Left R4-7AL (Half Size)		
Keep Left R4-7BL (Half Size)		
Keep Right R4-7AR (Half Size)		
Keep Right R4-7BR (Half Size)		
Stop Here On Red R10-6-AL (Half Size)		
Stop Here On Red R10-6-AR (Half Size)		
No Left Turn R3-2 (Half Size)		
No Right Turn R3-1 (Half Size)		
Road Closed R11-2 (Half Size)		
Road Closed Thru Traffic R11-2 (Half Size)		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 (Sheet 1 of 8)
 STANDARD 000001-06

INTELS Department of Transportation
 PASSED: *[Signature]* 2011
 ENGINEER OF PUBLIC WORKS
 APPROVED: *[Signature]* 2011
 CHIEF OF DESIGN AND ESTIMATION

TRAFFIC SIGNAL ITEMS (Cont'd.)	EX	PR	UNDERGROUND UTILITY ITEMS	EX	PR	ABANDONED	UTILITY ITEMS (Cont'd.)	EX	PR
Detector Raceway			Cable TV				Traffic Signal		
Aluminum Mast Arm			Electric Cable				Traffic Signal Control Box		
Steel Mast Arm			Fiber Optic				Water Meter		
Veh. Detector Magnetic			Gas Pipe				Water Meter Valve Box		
Conduit Splice			Oil Pipe				Profile Line		
Controller			Sanitary Sewer				Aerial Power Line		
Cutbox Junction			Telephone Cable						
Wood Pole			Water Pipe						
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									

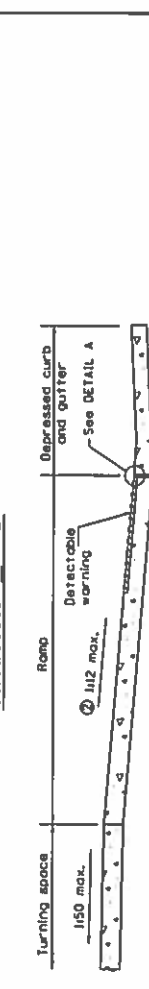
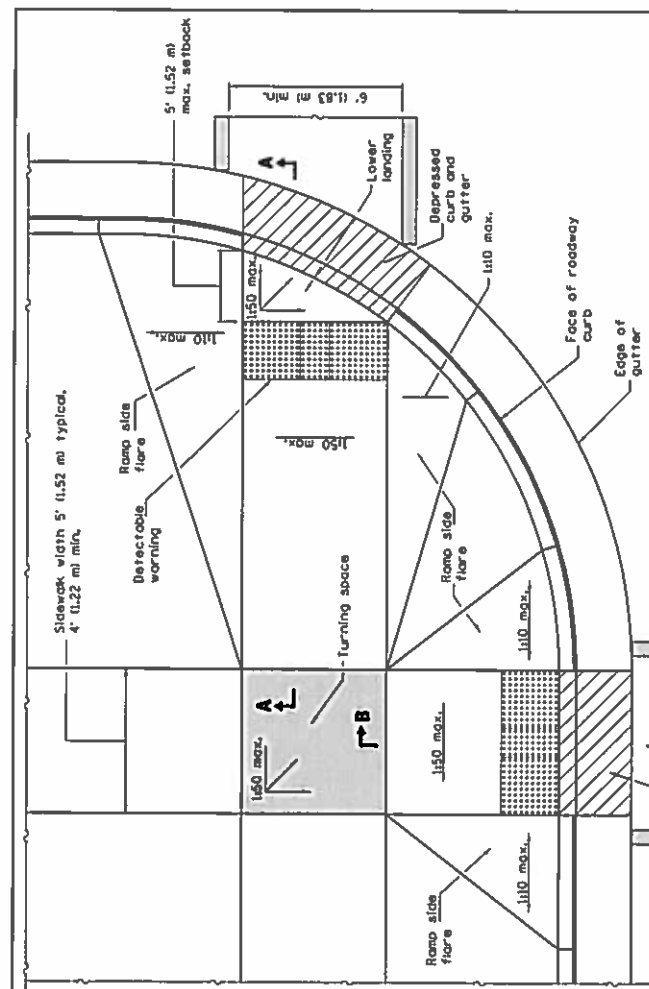
VEGETATION ITEMS	EX	PR	WATER FEATURE ITEMS	EX	PR
Deciduous Tree			Stream or Drainage Ditch		
Bush or Shrub			Waters Edge		
Evergreen Tree			Water Surface Indicator		
Stump			Water Point		
Orchard/Nursery Line			Disappearing Ditch		
Vegetation Line			Marsh		
Woods & Bush Line			Marsh/Swamp Boundary		

UTILITIES ITEMS	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
Guyfire or Deadman Anchor		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 (Sheet 8 of 8)

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PASSED JANUARY 1, 2011
 EXECUTIVE DIRECTOR
 APPROVED JANUARY 1, 2011
 DIRECTOR OF DESIGN AND ENVIRONMENT

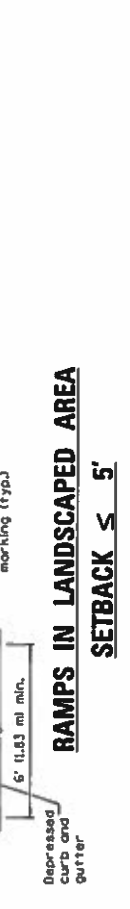
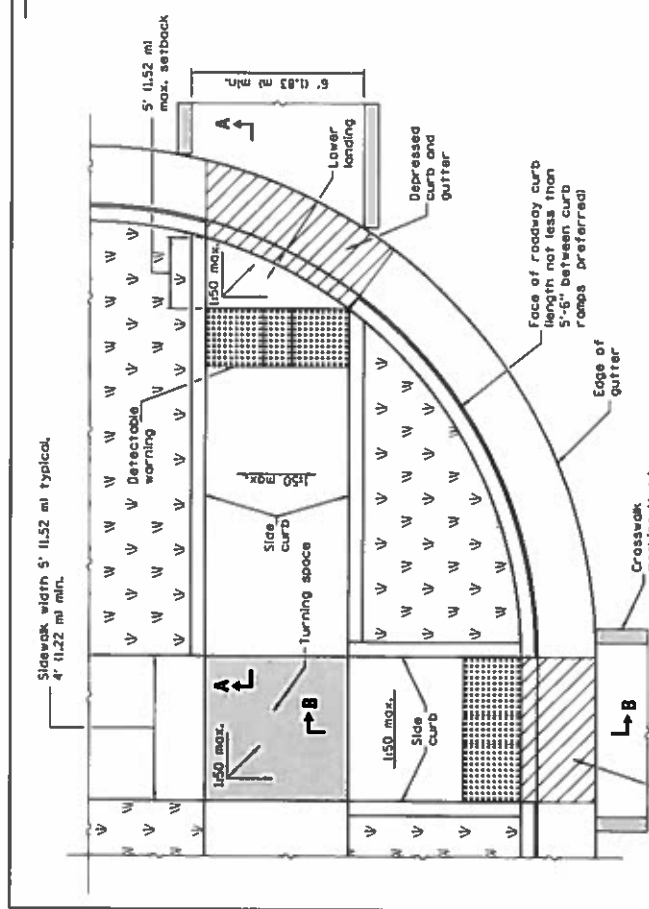
ISSUED 1-1-97



RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'

SECTION A-A
 ① The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

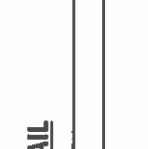
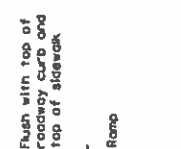
SECTION B-B
 ② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



RAMPS IN PAVED AREA
SETBACK ≤ 5'

SECTION A-A
 ① The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

SECTION B-B
 ② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



See Sheet 2 for GENERAL NOTES.

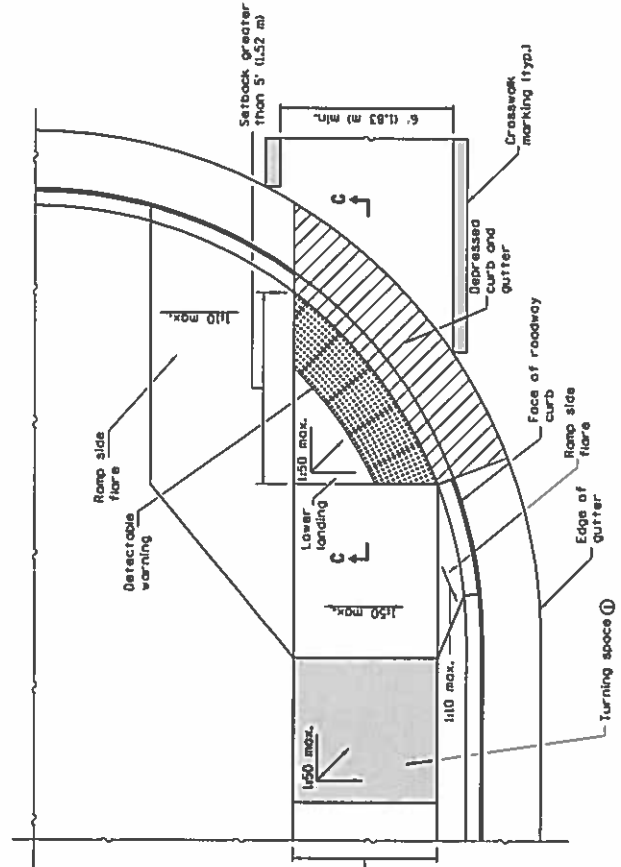
PERPENDICULAR CURB RAMPS FOR SIDEWALKS	
(Sheet 1 of 2)	
DATE	REVISIONS
1-1-15	① Not appl. to Int. sidewalks. Rev. gen. notes. Ch'g Upper landing to turning space.
1-1-13	② Widened crosswalk markings to 6' (1.83 m) min. inside dimension. Rev. Gen. Notes.

ISSUED 1-1-17
APPROVED
APPROVED
APPROVED
APPROVED

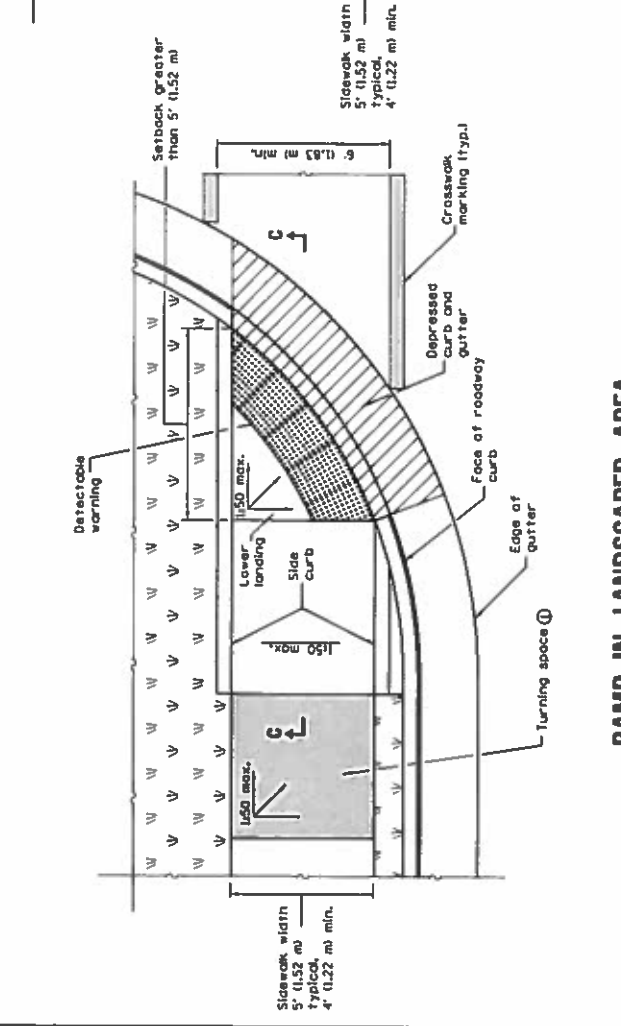
SIDE CURB DETAIL

DETAIL A

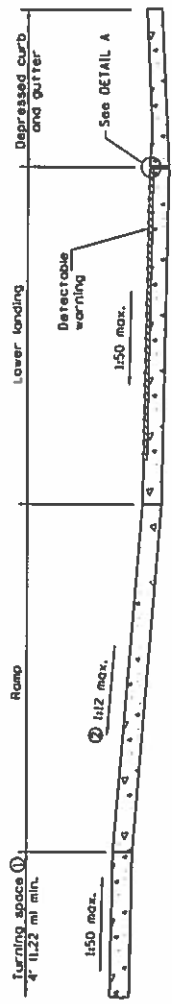
STANDARD 424001-08



RAMP IN LANDSCAPED AREA
SETBACK > 5'



RAMP IN PAVED AREA
SETBACK > 5'



SECTION C-C

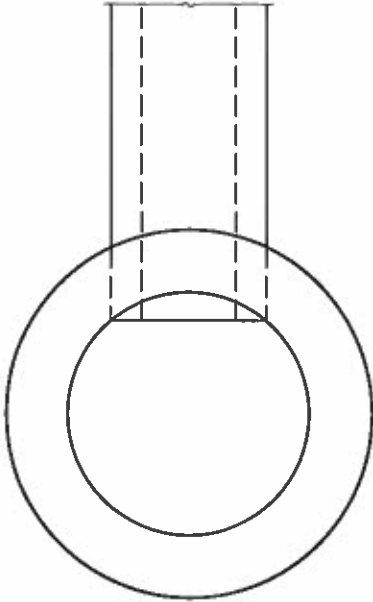
- ① Turning space not required for ramp slopes flatter than 1:20.
- ② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

GENERAL NOTES
 All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
 Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).
 Where 1:50 maximum slope is shown, 1:64 is preferred.
 See Standard 60601 for details of depressed curb adjacent to curb ramp.
 All dimensions are in inches (millimeters) unless otherwise shown.

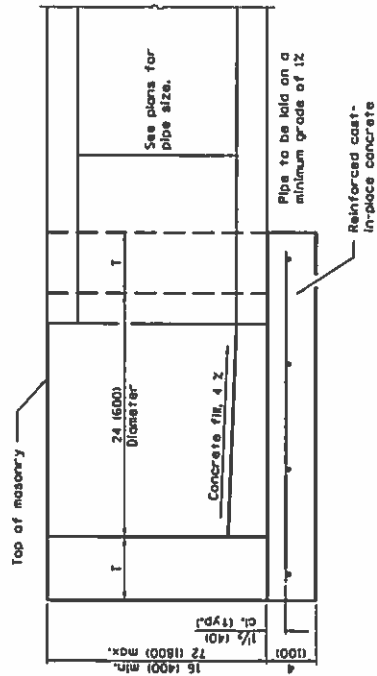
PERPENDICULAR CURB RAMPS FOR SIDEWALKS
 (Sheet 2 of 2)
STANDARD 424001-08

Illinois Department of Transportation
 PASSED: [Signature] 2015
 DEPARTMENT OF PUBLIC SAFETY
 APPROVED: [Signature] 2015
 ENGINEER OF DESIGN AND CONSTRUCTION

ISSUED 1-1-97

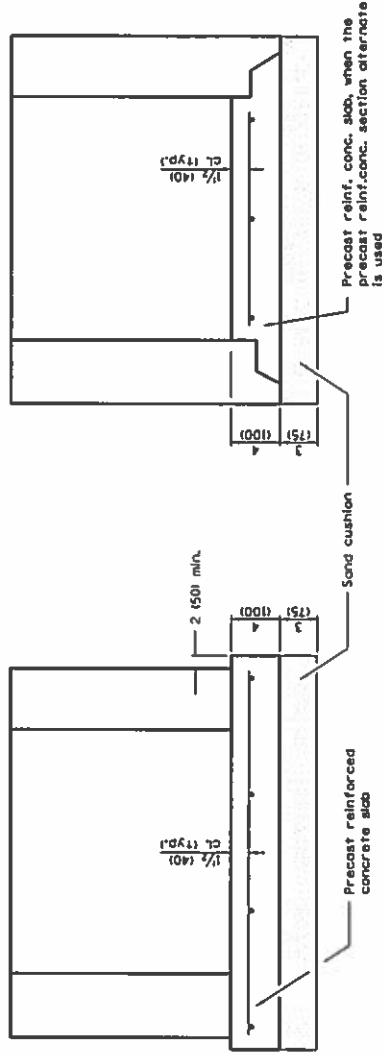


PLAN



ELEVATION

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft., 1510 sq. mm/m in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

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

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Detailed reinf. in slabs, added max. limit to height.
	Added general notes.

Illinois Department of Transportation

PASSED APPROVED ILL. 2014

ISSUED 1-1-97

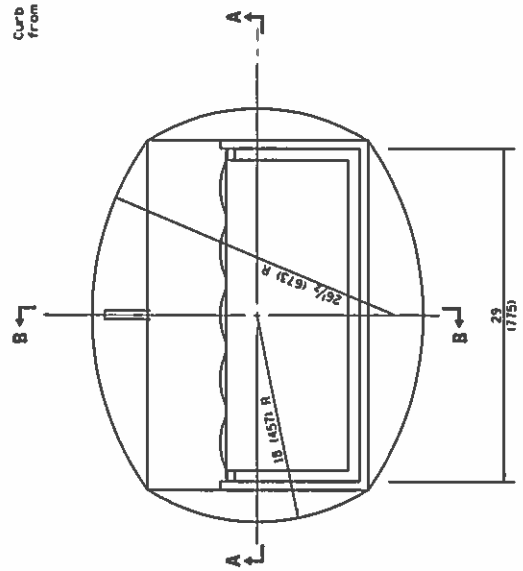
APPROVED BY: [Signature]

DESIGNED BY: [Signature]

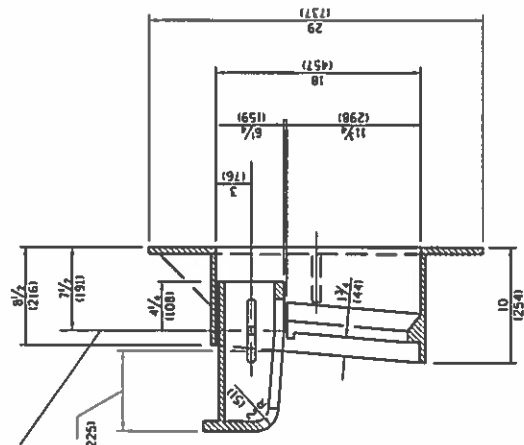
INLET - TYPE A

STANDARD 602301-04

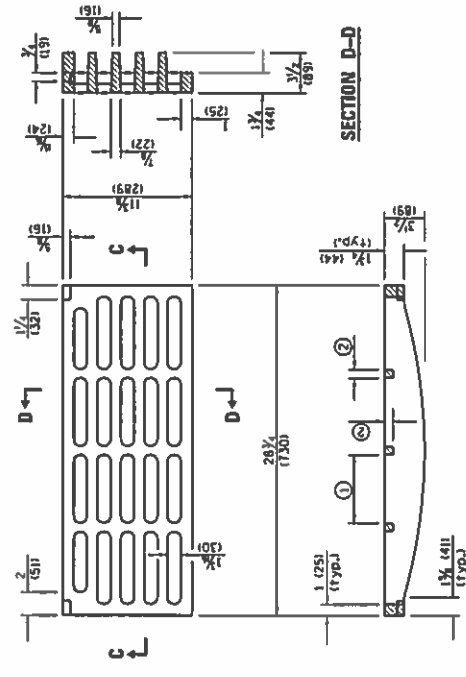
$\frac{3}{8}$ (10) Dia. hole and $\frac{3}{8} \times 5/8$ (16x140) slotted hole for galvanized $\frac{1}{2}$ (M12) bolt, nut, and washer.
 Curb box adjustable from $4\frac{1}{2}$ (115) to 9 (225)



SECTION A-A

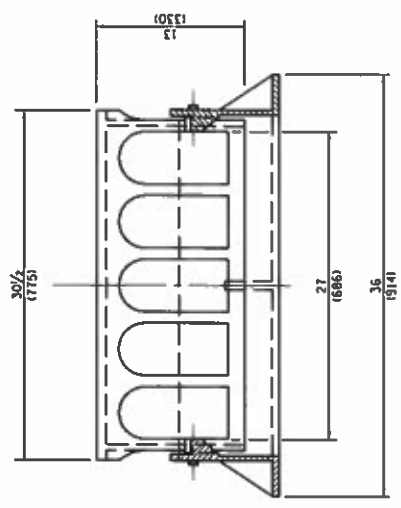


SECTION B-B

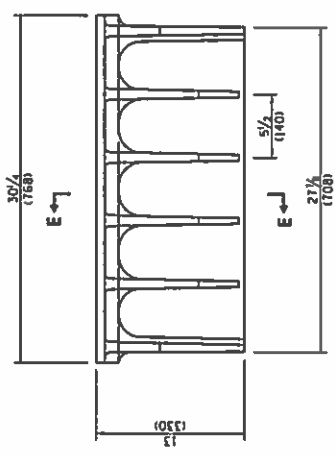


SECTION C-C

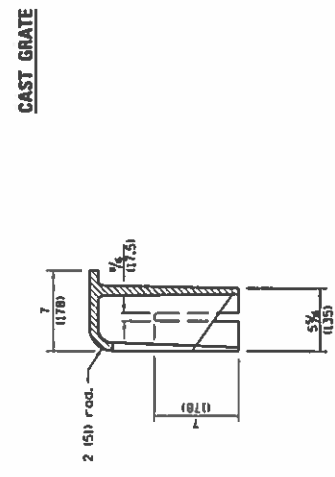
- ① = $6\frac{1}{4}$ (159) max. (typ.)
- ② = $\frac{3}{4}$ (19) min. (typ.)



SECTION A-A



SECTION E-E



CAST GRATE

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

Issued by the
 Illinois Department of Transportation
 PASSED: _____ 2015
 EXCHIEF OF HIGHWAY AND PROCEDURES
 APPROVED: _____ 2015
 DIVISION OF DESIGN AND CONSTRUCTION

DATE	REVISIONS
1-1-15	Revised dimensions of front and alternate curb box.
4-1-09	Switched units to English (metric).

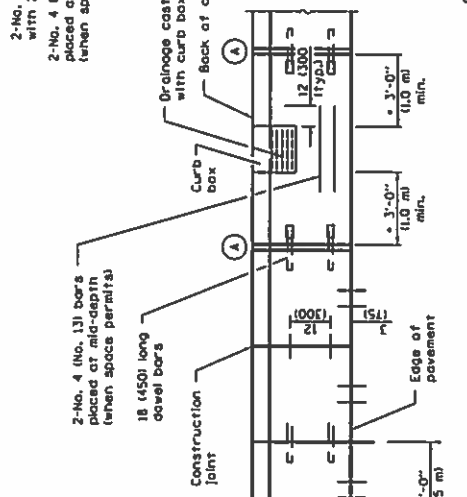
**FRAME AND GRATE
TYPE 11**

STANDARD 604051-04

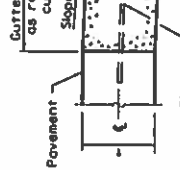
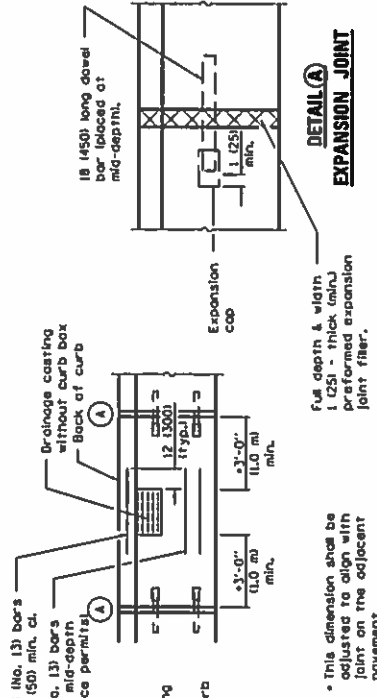
Doweled contraction joint
(Placed in proportion with pavement joints)
construction option:

- Form with 1/8 (3) thick steel template placed at mid-depth (then space permits)
- Saw at 4 to 24 hours, and seal.

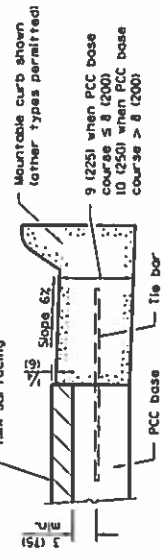
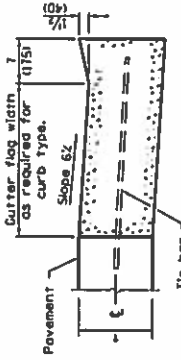
Start radius curve
(Such as entrances,
side streets and
ramp returns).



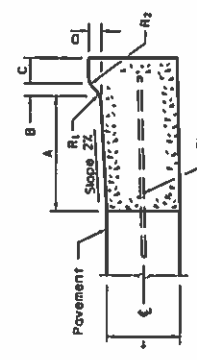
PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED



ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



GENERAL NOTES

The bottom slope at combination curb and gutter constructed adjacent to PCC pavement shall be the same slope as the subbase or 2% when subbase is omitted.

† = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 24 (600) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

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

BARRIER CURB

TABLE OF DIMENSIONS BARRIER CURB

TYPE	A	B	C	D	R ₁	R ₂
B-6.06 ^a	6	1	6	1	6	1
(B-15.15)	(150)	(25)	(150)	(25)	(150)	(25)
B-6.12	12	1	6	6	1	1
(B-15.3)	(300)	(25)	(150)	(150)	(25)	(25)
B-6.18	18	1	6	6	1	1
(B-15.45)	(450)	(25)	(150)	(150)	(25)	(25)
B-6.24	24	1	6	6	1	1
(B-15.60)	(600)	(25)	(150)	(150)	(25)	(25)
B-9.12	12	2	5	9	1	1
(B-22.50)	(300)	(50)	(125)	(225)	(25)	(25)
B-9.18	18	2	5	9	1	1
(B-22.45)	(450)	(50)	(125)	(225)	(25)	(25)
B-9.24	24	2	5	9	1	1
(B-22.60)	(600)	(50)	(125)	(225)	(25)	(25)

^a For corner islands only.

MOUNTABLE CURB

TABLE OF DIMENSIONS MOUNTABLE CURB

TYPE	A	B	C	D	R ₁	R ₂
M-2.06	6	2	4	2	3	2
(M-5.15)	(150)	(50)	(100)	(50)	(75)	(50)
M-2.12	12	2	4	2	3	2
(M-5.30)	(300)	(50)	(100)	(50)	(75)	(50)
M-4.06	6	4	3	4	3	NA
(M-10.15)	(150)	(100)	(75)	(100)	(75)	NA
M-4.12	12	4	3	4	3	NA
(M-10.30)	(300)	(100)	(75)	(100)	(75)	NA
M-4.18	18	4	3	4	3	NA
(M-10.45)	(450)	(100)	(75)	(100)	(75)	NA
M-4.24	24	4	3	4	3	NA
(M-10.60)	(600)	(100)	(75)	(100)	(75)	NA
M-6.06	6	6	2	6	2	NA
(M-15.15)	(150)	(150)	(50)	(150)	(50)	NA
M-6.12	12	6	2	6	2	NA
(M-15.30)	(300)	(150)	(50)	(150)	(50)	NA
M-6.18	18	6	2	6	2	NA
(M-15.45)	(450)	(150)	(50)	(150)	(50)	NA
M-6.24	24	6	2	6	2	NA
(M-15.60)	(600)	(150)	(50)	(150)	(50)	NA

ISSUED 1-1-97

DESIGNED BY [Signature]

CHECKED BY [Signature]

APPROVED BY [Signature]

DATE OF PREPARATION 2015

DATE OF REVISION 2015

PROJECT NO. 2015

ISSUED BY [Signature]

DATE OF REVISION 2015

PROJECT NO. 2015

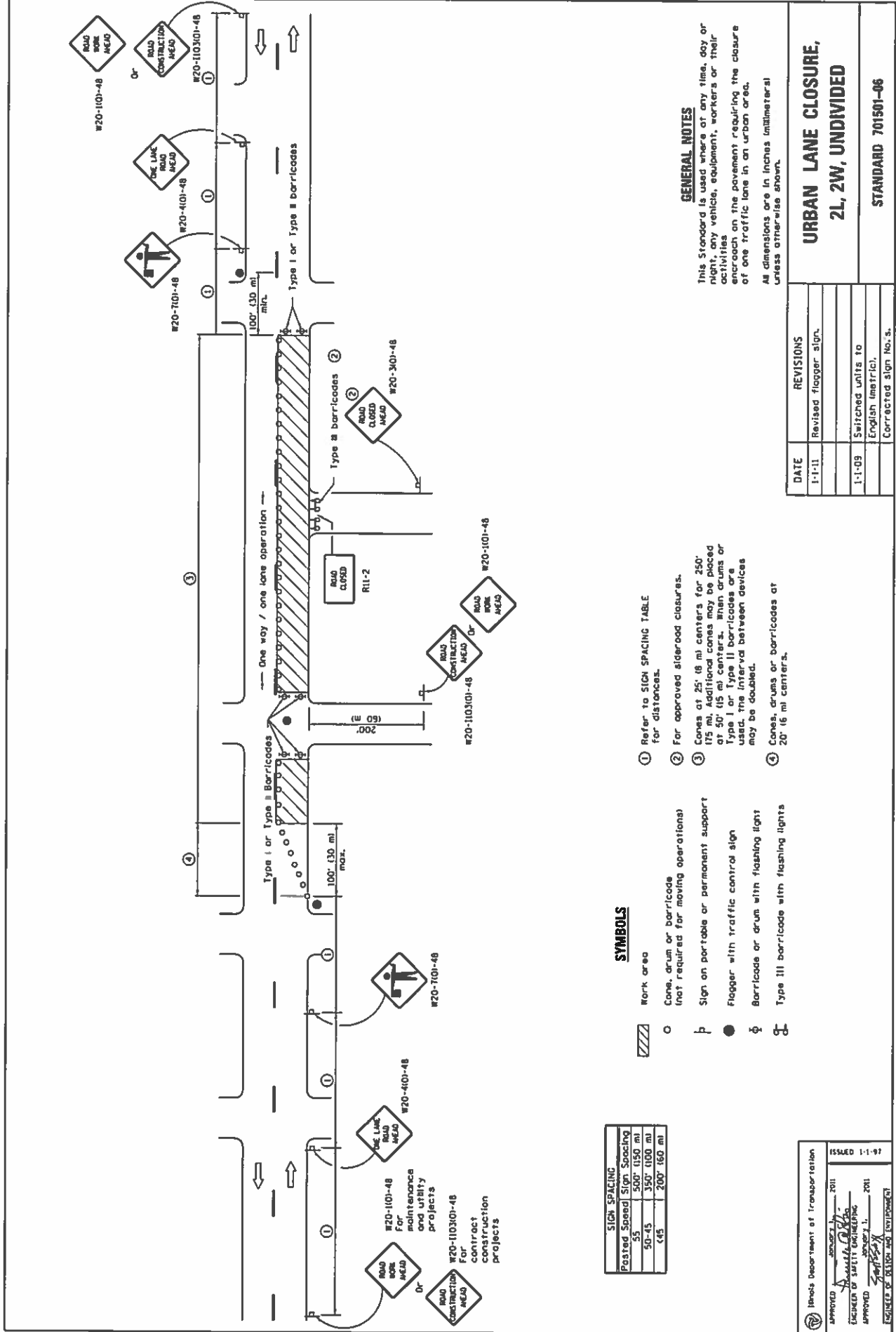
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

STANDARD 606001-06

(Sheet 1 of 2)

REVISIONS

DATE	REVISIONS
1-1-15	Added B-6.06 (B-15.15) barrier curb and gutter to table (corner islands only).
1-1-13	Added general note regarding requirement for dowel bars.



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 (millimeter) unless otherwise shown.

① Refer to SIGN SPACING TABLE for distances.

② For approved sidewalk 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.

SYMBOLS

Work area

Cones, 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

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

W20-100-48 For reference administrative utility projects
 W20-400-48
 W20-110300-48 For contract construction projects

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

STANDARD 701501-06

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

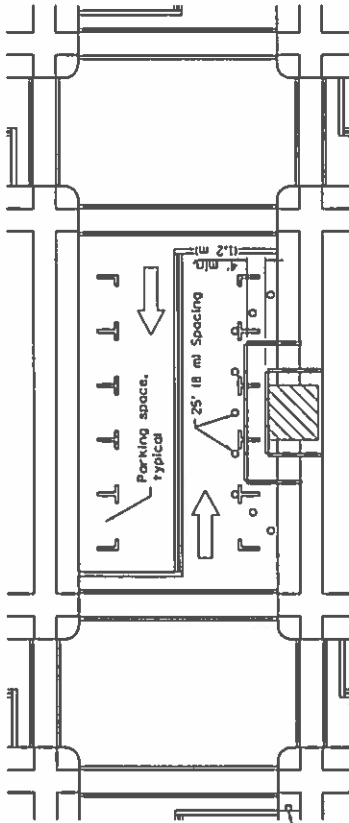
Illinois Department of Transportation

APPROVED: [Signature] 2011
 ENGINEER OF SAFETY ENGINEERING

APPROVED: [Signature] 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

① Omit whenever duplicated by road work traffic control.

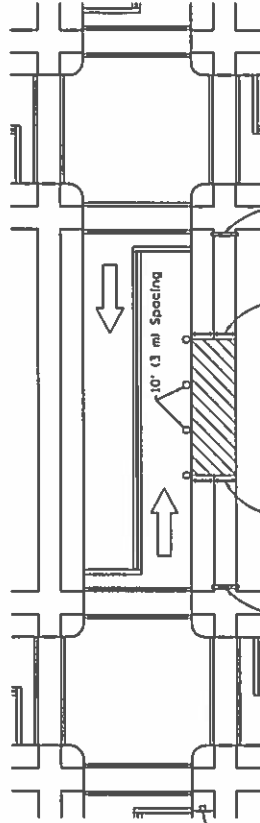


① W20-110301-48 for contract construction projects

or

① W20-1101-48 for maintenance and utility projects

SIDEWALK DIVERSION









① W20-110301-48 for contract construction projects

or

① W20-1101-48 for maintenance and utility projects

SIDEWALK CLOSURE

SYMBOLS

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

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 placed on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closure.

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	Revised orange safety fence from standard as this is covered in the sta. spec.
1-1-12	Added SIDEWALK DIVERSION, Modified appearance of plan views, Renamed Std.


SIDEWALK, CORNER OR CROSSWALK CLOSURE


(Sheet 1 of 2)

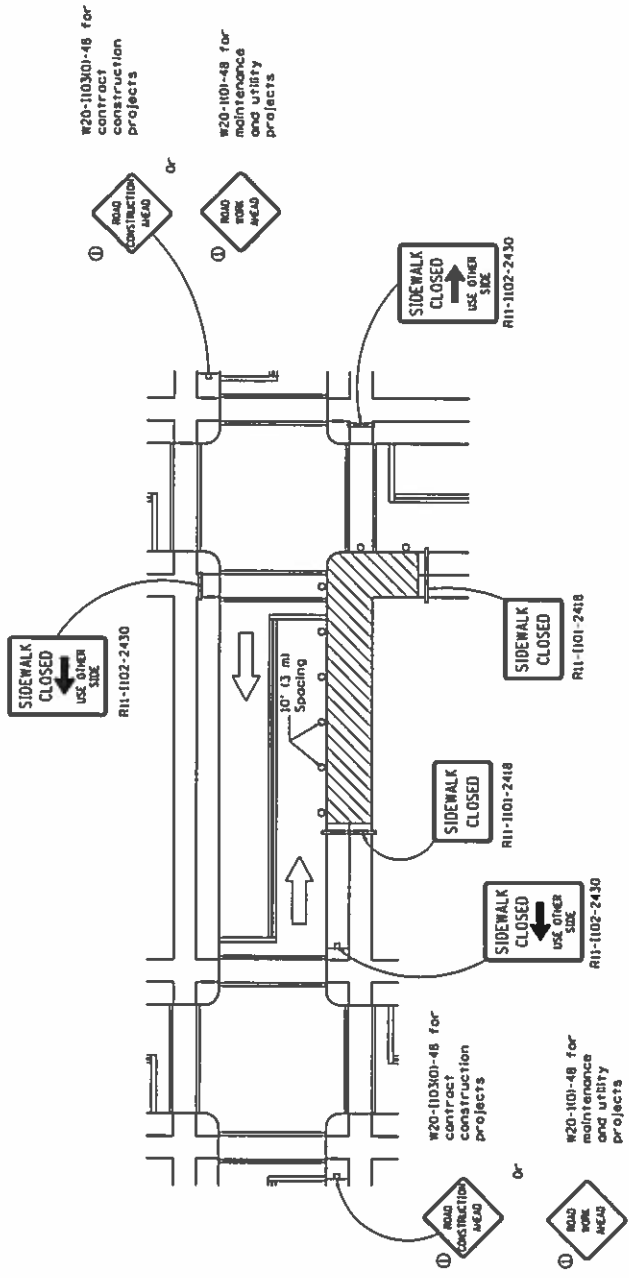
STANDARD 701901-06

Illinois Department of Transportation

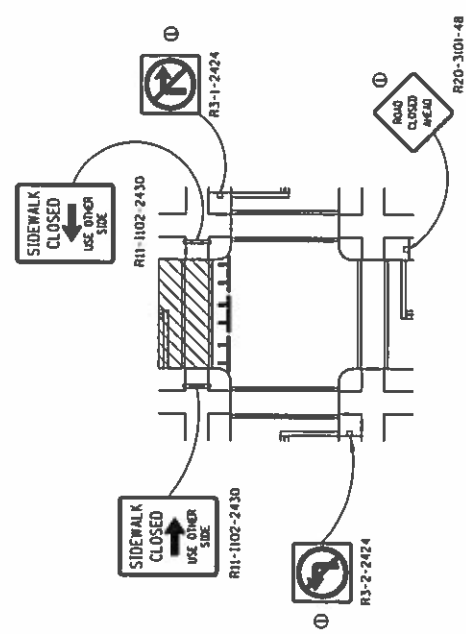
ISSUED 1-1-97

APPROVED:  DATE: 1/1/97
 ENGINEER OF SAFETY ENGINEERING

APPROVED:  DATE: 1/1/97
 ENGINEER OF RECORD AND SURVEYMENT



CORNER CLOSURE

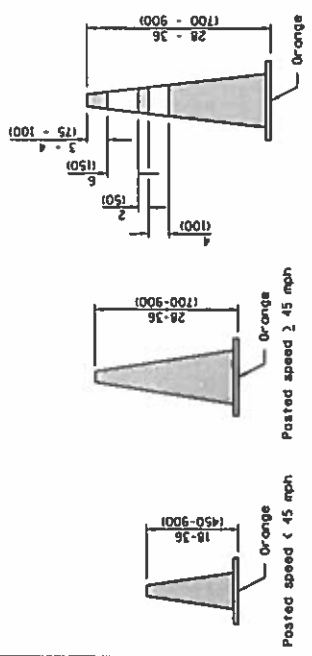


CROSSWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE
 (Sheet 2 of 2)
STANDARD 701601-06

Illinois Department of Transportation
 APPROVED: [Signature] 2016
 ENGINEER OF SAFETY ENGINEERING
 APPROVED: [Signature] 2016
 ENGINEER OF DESIGN AND ESTIMATION

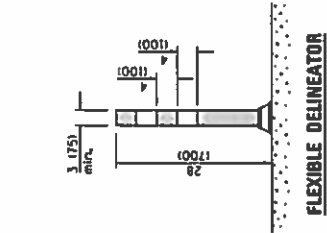
ISSUED 1-1-97



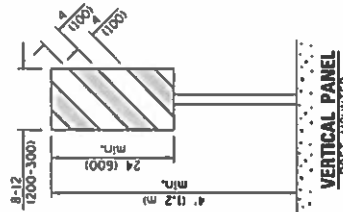
Posted speed < 45 mph
Posted speed ≥ 45 mph

CONE FOR DAYTIME

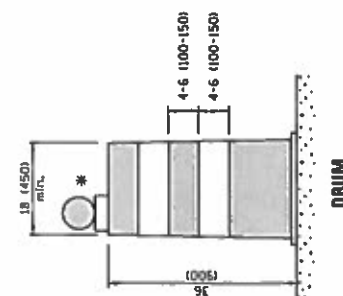
REFLECTORIZED CONE FOR NIGHTTIME



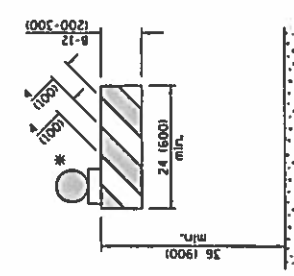
FLEXIBLE DELINEATOR



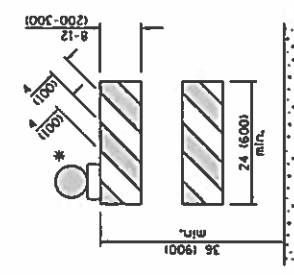
VERTICAL PANEL POST-MOUNTED



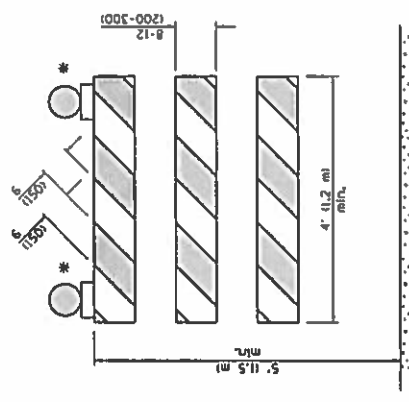
DRUM



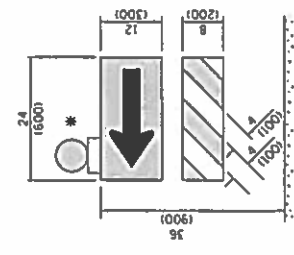
TYPE I BARRICADE



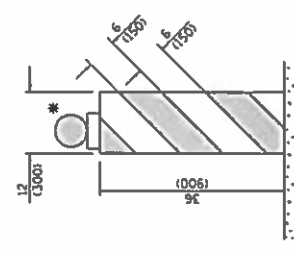
TYPE II BARRICADE



TYPE III BARRICADE

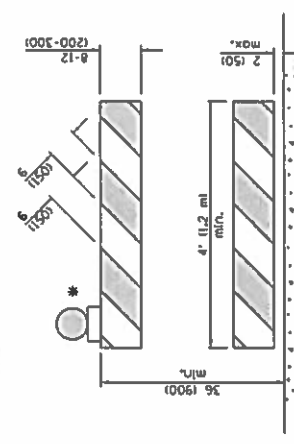


DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE

* Warning lights if required



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

GENERAL NOTES
All heights shown shall be measured above the pavement surface.
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
4-1-16	Add dim's to barricades. Rev note for post mnt. signs.
	Rev. cone dtis. Add W12-1103.
1-1-15	Revised two sign numbers on sheet 2. Added note. Rev. PHOTO ENFORCED plaque.

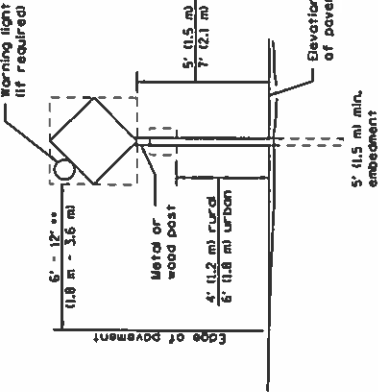
TRAFFIC CONTROL DEVICES

STANDARD 701901-05
(Sheet 1 of 3)

Illinois Department of Transportation
ISSUED 1-1-97

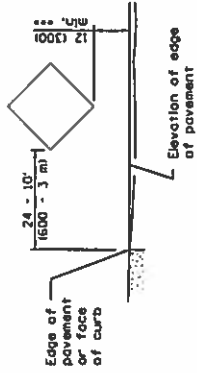
APPROVED _____ 2016
DIRECTOR OF TRANSPORTATION

APPROVED _____ 2016
CHIEF OF ROAD AND BRIDGE



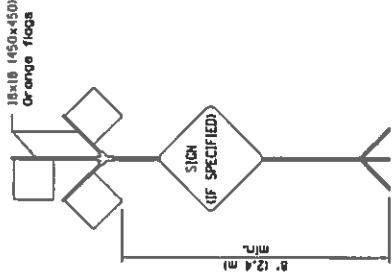
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 1600 to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



HIGH LEVEL WARNING DEVICE

ROAD CONSTRUCTION NEXT X MILES
G20-1104(01)-6036

END CONSTRUCTION
G20-1105(01)-6024

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

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING

WORK ZONE	W21-165(01)-3618
SPEED LIMIT	R2-1-3648
XX	
PHOTO ENFORCED	R10-1086-3618 ****
\$XXX FINE MINIMUM	R2-1066-3618

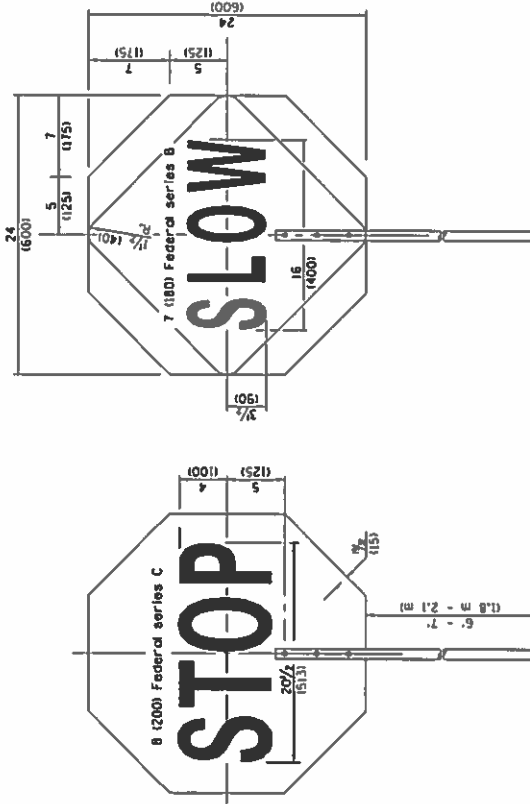
Sign assembly as shown on Standard or as allowed by District Operations.

END WORK ZONE SPEED LIMIT
G20-1030(01)-6036

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-1086 shall only be used along roadways under the jurisdiction of the State.



REVERSE SIDE

FRONT SIDE



WIDTH RESTRICTION SIGN
XX'-XX" width and X miles are variable.

Illinois Department of Transportation

APPROVED: _____ DATE: _____ 2016

APPROVED: _____ DATE: _____ 2016

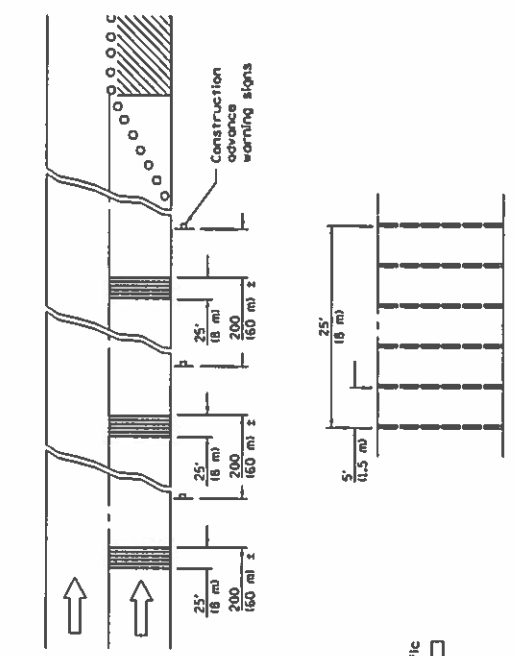
ISSUED 1-1-97

TRAFFIC CONTROL DEVICES

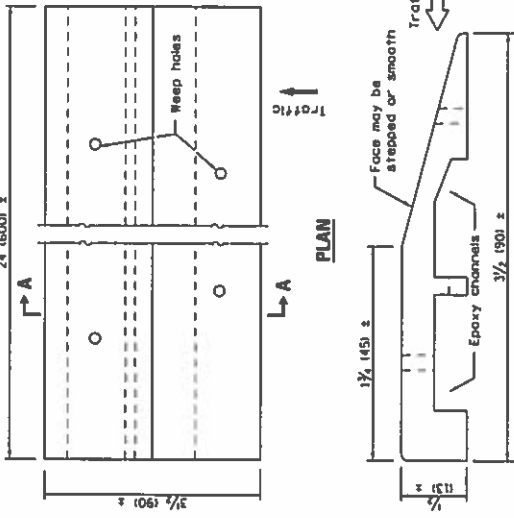
(Sheet 2 of 3)

STANDARD 701901-05

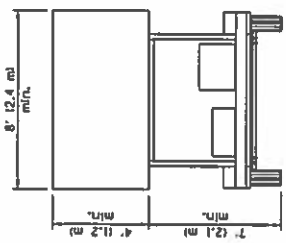
FLAGGER TRAFFIC CONTROL SIGN



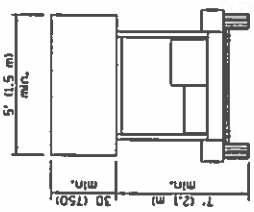
TYPICAL INSTALLATION



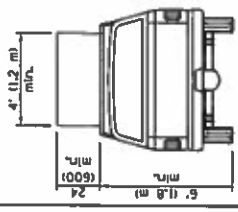
SECTION A-A



TYPE C
TRAILER
MOUNTED



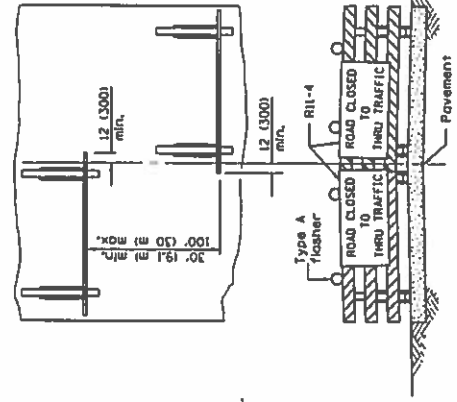
TYPE B
ROOF OR TRAILER
MOUNTED



TYPE A
ROOF
MOUNTED

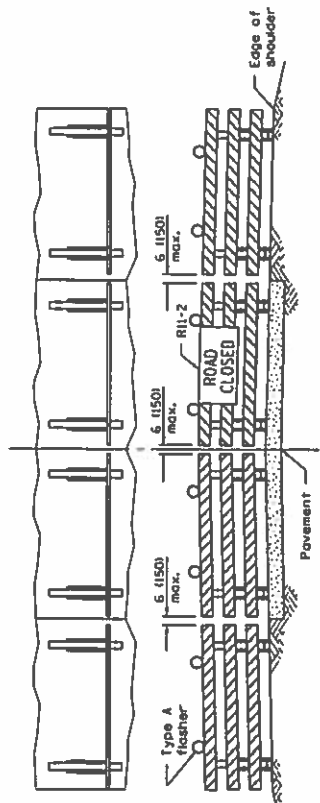
ARROW BOARDS

TEMPORARY RUMBLE STRIPS



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.



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.

TYPICAL APPLICATIONS OF
TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED: [Signature] DATE: 2016

DESIGNED BY: [Signature]

APPROVED: [Signature] DATE: 2016

FIGURE 10 OF 10 (REV. 10/14/2016)

ISSUED 1-1-97

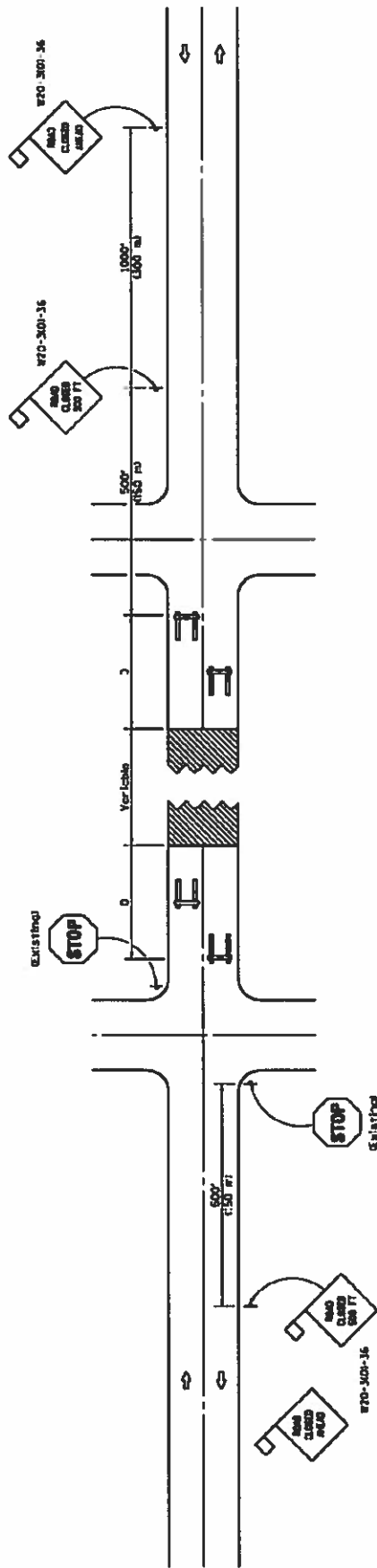
TRAFFIC CONTROL
DEVICES

(Sheet 3 of 3)

STANDARD 701901-05

**CONDITION II
APPROACH TRAFFIC
DOES NOT STOP**

**CONDITION I
APPROACH TRAFFIC STOPS**



SYMBOLS

- Mark area
- Type III Barricade
- Sign with flag 1450x450 mm, orange flag attached

GENERAL NOTES

Type III Barricades and III-4-4C30 signs shall be placed as shown in the field layout. Signs shall be placed 100' to 150' in advance of the work area. Type III Barricades shall be placed 200' to 300' in advance of the work area. All of barricades and III-4-4C30 shall be placed at each end of the work area.

Type A Low Intensity Flashing Lights shall be used on each approach in advance of the work area. The light shall be located above each barricade. If only one barricade is required, the other light shall be installed above the first advance warning sign.

Warning signs shall have minimum dimensions of 36 x 36 (500 x 500) and have a black legend on an orange reflectorized background.

Other fluorescent signs are used, orange flags are not required.

Length and dimensions may be adjusted to fit field conditions.

Dimensions are in inches unless otherwise shown.

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TRAFFIC TO BE STOPPED TO THE TRAFFIC ROAD CLOSED TO THE TRAFFIC)

STANDARD S.L.R. 22-7

DATE	REVISIONS
1-1-12	Updated two notes from GENERAL NOTES.
1-1-05	Revised General Notes and defined units to English Imperial.

State Department of Transportation
 PROJECT: _____ SHEET: 22-7
 COUNTY: _____ ROAD: _____ SHEETS: _____
 APPROVED: _____ DATE: _____
 DESIGN: _____

Will County Prevailing Wage for July 2015

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng	
ASBESTOS ABT-GEN	ALL			39.400	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500	
ASBESTOS ABT-MEC	BLD			36.340	38.840	1.5	1.5	2.0	11.47	10.96	0.000	0.720	
BOILERMAKER	BLD			47.070	51.300	2.0	2.0	2.0	6.970	18.13	0.000	0.400	
BRICK MASON	BLD			43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030	
CARPENTER	ALL			44.350	48.790	2.0	2.0	2.0	11.99	18.47	0.000	0.630	
CEMENT MASON	ALL			41.000	43.000	2.0	1.5	2.0	10.00	20.39	0.000	0.500	
CERAMIC TILE FNSHER	BLD			36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000	0.770	
COMMUNICATION TECH	BLD			33.000	34.500	1.5	1.5	2.0	13.92	11.69	1.410	0.720	
ELECTRIC PWR EQMT OP	ALL			46.100	51.100	1.5	1.5	2.0	10.76	14.87	0.000	0.460	
ELECTRIC PWR GRNDMAN	ALL			37.050	52.500	1.5	2.0	2.0	8.630	12.28	0.000	0.370	
ELECTRIC PWR LINEMAN	ALL			47.500	52.500	1.5	2.0	1.5	10.76	14.87	0.000	0.460	
ELECTRICIAN	BLD			40.000	43.600	1.5	1.5	2.0	14.77	16.39	0.000	1.200	
ELEVATOR CONSTRUCTOR	BLD			50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600	
GLAZIER	BLD			40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000	0.940	
HT/FROST INSULATOR	BLD			48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000	0.720	
IRON WORKER	ALL			41.000	42.000	2.0	2.0	2.0	10.04	21.41	0.000	0.780	
LABORER	ALL			39.200	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500	
LATHER	ALL			43.350	47.690	2.0	2.0	2.0	11.85	17.47	0.000	0.630	
MACHINIST	BLD			45.350	47.850	1.5	1.5	2.0	7.260	8.950	1.850	0.000	
MARBLE FINISHERS	ALL			32.400	34.320	1.5	1.5	2.0	10.05	13.75	0.000	0.620	
MARBLE MASON	BLD			43.030	47.330	1.5	1.5	2.0	10.05	14.10	0.000	0.780	
MATERIAL TESTER I	ALL			29.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.500	
MATERIALS TESTER II	ALL			34.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.500	
MILLWRIGHT	ALL			44.350	48.790	2.0	2.0	2.0	11.99	18.47	0.000	0.630	
OPERATING ENGINEER	BLD 1			48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 2			46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 3			44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 4			42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 5			51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 6			49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 7			51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	FLT 1			53.600	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250	
OPERATING ENGINEER	FLT 2			52.100	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250	
OPERATING ENGINEER	FLT 3			46.400	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250	
OPERATING ENGINEER	FLT 4			38.550	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250	
OPERATING ENGINEER	FLT 5			55.100	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250	
OPERATING ENGINEER	FLT 6			35.000	35.000	1.5	1.5	2.0	16.60	11.05	1.900	1.250	
OPERATING ENGINEER	HWY 1			46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 2			45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 3			43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 4			42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 5			41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 6			49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 7			47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
PAINTER	ALL			41.750	46.500	1.5	1.5	1.5	11.50	11.10	0.000	0.770	
PAINTER SIGNS	BLD			33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000	
PILEDRIIVER	ALL			44.350	48.790	2.0	2.0	2.0	11.99	18.47	0.000	0.630	
PIPEFITTER	BLD			46.000	49.000	1.5	1.5	2.0	9.000	15.85	0.000	1.780	
PLASTERER	BLD			43.430	46.040	1.5	1.5	2.0	13.05	14.43	0.000	1.020	
PLUMBER	BLD			46.650	48.650	1.5	1.5	2.0	13.18	11.46	0.000	0.880	
ROOFER	BLD			41.000	44.000	1.5	1.5	2.0	8.280	10.54	0.000	0.530	
SHEETMETAL WORKER	BLD			44.720	46.720	1.5	1.5	2.0	10.65	13.31	0.000	0.820	
SPRINKLER FITTER	BLD			49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550	
STONE MASON	BLD			43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030	
SURVEY WORKER	->NOT IN EFFECT			ALL	37.000	37.750	1.5	1.5	2.0	12.97	9.930	0.000	0.500
TERRAZZO FINISHER	BLD			38.040	0.000	1.5	1.5	2.0	10.55	11.22	0.000	0.720	
TERRAZZO MASON	BLD			41.880	44.880	1.5	1.5	2.0	10.55	12.51	0.000	0.940	
TILE MASON	BLD			43.840	47.840	1.5	1.5	2.0	10.55	11.40	0.000	0.990	
TRAFFIC SAFETY WRKR	HWY			32.750	34.350	1.5	1.5	2.0	6.550	6.450	0.000	0.500	
TRUCK DRIVER	ALL 1			35.650	36.200	1.5	1.5	2.0	7.250	6.319	0.000	0.250	
TRUCK DRIVER	ALL 2			35.800	36.200	1.5	1.5	2.0	7.250	6.319	0.000	0.250	
TRUCK DRIVER	ALL 3			36.000	36.200	1.5	1.5	2.0	7.250	6.319	0.000	0.250	
TRUCK DRIVER	ALL 4			36.200	36.200	1.5	1.5	2.0	7.250	6.319	0.000	0.250	
TUCKPONTER	BLD			43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670	

Legend: RG (Region)
 TYP (Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers)
 C (Class)
 Base (Base Wage Rate)
 FRMAN (Foreman Rate)
 M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.)
 OSA (Overtime (OT) is required for every hour worked on Saturday)
 OSH (Overtime is required for every hour worked on Sunday and Holidays)
 H/W (Health & Welfare Insurance)
 Pensi (Pension)
 Vac (Vacation)
 Trng (Training)

Explanations

WILL COUNTY

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

EXPLANATION OF CLASSES

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

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

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice, sound and vision production and reproduction, telephone and telephone interconnect, facsimile, equipment and appliances used for domestic, commercial, educational and entertainment purposes, pulling of wire through conduit but not the installation of conduit.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all

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

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

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

OPERATING ENGINEER - BUILDING

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

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

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

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

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix

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

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

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

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

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

Class 6. Field Mechanics and Field Welders

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

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

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

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

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

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

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

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

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

TERRAZZO FINISHER

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

Other Classifications of Work:

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

LANDSCAPING

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

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job

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

RETURN WITH BID

PROPOSAL

County WILL
Local Public Agency CITY OF JOLIET
Section Number 16-00492-00-FP
Route FRANK AVENUE

1. Proposal of

for the improvement of the above section by the construction of EXCAVATION OF EXISTING ROADWAY;
INSTALLATION OF 8" AGGREGATE BASE COURSE; STORM SEWER; PCC DRIVEWAY APRONS; PCC SIDEWALK;
B-6.12 CURB & GUTTER; AND LANDSCAPING WITH TOPSOIL & SOD

a total distance of 1350.00 feet, of which a distance of 1090.00 feet, (0.210 miles) are to be improved.

2. The plans for the proposed work are those prepared by CITY OF JOLIET - ENGINEERING DEPARTMENT
and approved by the Department of Transportation on

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

4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check
Sheet for Recurring Special Provisions" contained in this proposal.

5. The undersigned agrees to complete the work within 25 working days or by
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 be allowed as a proposal guaranty.
Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check,
complying with the specifications, made payable to:

Treasurer of

The amount of the check is ().

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

8. The successful bidder at the time of execution of the contract be required to deposit a contract bond for the
full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If
this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby
agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.

9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the
product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will
be divided by the quantity in order to establish a unit price.

10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.

11. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this
contract.

12. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on
BLR 12200a, the work shall be in accordance with the requirements of each individual proposal for the multiple bid
specified in the Schedule for Multiple Bids below.



**Illinois Department
of Transportation**

SCHEDULE OF PRICES

County WILL
 Local Public Agency CITY OF JOLIET
 Section 16 - 00492 - 00 - FP
 Route FRANK AVENUE

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

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

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	TREE REMOVAL(6 TO 15 INCH DIAMETER)	IN DIA	6		
2	TREE REMOVAL(OVER 15 INCH DIAMETER)	IN DIA	24		
3	TREE ROOT SAWING	EACH	22		
4	PARKWAY EXCAVATION	SQ YD	4150		
5	ROADWAY EXCAVATION	CU YD	1650		
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	325		
7	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	325		
8	TRENCH BACKFILL	CU YD	7		
9	SUB-BASE GRANULAR MATERIAL, TYPE C 3"	SQ YD	2005		
10	AGGREGATE BASE COURSE TYPE B 8"	SQ YD	3965		
11	PREPERATION OF BASE	SQ YD	3475		
12	AGGREGATE BASE REPAIR	TON	50		
13	ROCK EXCAVATION FOR STRUCTURES	CU YD	37		
14	STORM SEWERS, TYPE 1 12"	LIN FT	30		

RETURN WITH BID

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
15	DISCONNECTION OF EXISTING WATER SERVICE LINE	ALLWNC	1	\$7,500.00	\$7,500.00
16	SANITARY SERVICE REPLACEMENT(CASE I)	LIN FT	10		
17	SANITARY SERVICE REPLACEMENT(CASE II)	LIN FT	10		
18	MANHOLES TO BE RECONSTRUCTED	EACH	3		
19	INLETS TO BE RELOCATED	EACH	4		
20	FRAME AND GRATE TO BE FURNISHED & INSTALLED, TYPE 11	EACH	5		
21	FRAME AND GRATE TO BE FURNISHED & INSTALLED, TYPE 11	EACH	5		
22	FRAMES AND LIDS TO BE FURNISHED & INSTALLED, TYP 1, CLOSED LID	EACH	2		
23	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12	LIN FT	2175		
24	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1380		
25	COMBINATION CURB & GUTTER REMOVAL	LIN FT	16		
26	SIDEWALK REMOVAL	SQ FT	1000		
27	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ YD	540		
28	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SQ YD	155		
29	PORTLAND CEMENT CONCRETE SIDEWALK ,5"	SQ FT	3325		
30	HOT MIX ASPHALT DRIVEWAY PAVEMENT 3"	SQ YD	905		
31	DOMESTIC WATER SERVICE BOXES TO BE RELOCATED	EACH	2		
32	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	6		
33	FURNISHING AND PLACING TOPSOIL	SQ YD	3575		
34	SODDING	SQ YD	3575		
35	TRAFFIC CONTROL AND PROTECTION	L SUM	1		
36	SAWCUT ASPHALT SURFACE	LIN FT	1100		
37	SAWCUT CONCRETE SURFACE	LIN FT	150		
38	ASHPALT/CONCRETE SAWING	LIN FT	10		
39	MODULAR CONCRETE BLOCK RETAINING WALL	SQ FT	675		
40	PROTECTIVE COAT	SQ YD	1595		

RETURN WITH BID

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
41	TEMPORARY DRIVEWAY ACCESS	TON	50		
42	HARDWOOD MULCH	EACH	22		
43	DETECTABLE WARNINGS	SQ FT	160		
44	EROSION CONTROL	L SUM	1		
45	REMOVAL AND DISPOSAL OF CONTAMINATED MATERIAL	CU YD	50		
46	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1		

BIDDER'S EMAIL ADDRESS _____

BIDDER'S PHONE NUMBER(S) _____

RETURN WITH BID

CONTRACTOR CERTIFICATIONS

County	<u>WILL</u>
Local Public Agency	<u>CITY OF JOLIET</u>
Section Number	<u>14-00492-00-FP</u>
Route	<u>FRANK AVENUE</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.

RETURN WITH BID

SIGNATURES

County WILL
Local Public Agency CITY OF JOLIET
Section Number 14-00492-00-FP
Route FRANK AVENUE

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Business Address _____

Inset Names and Addressed of All Partners



(If a corporation)

Corporate Name _____

Signed By _____

President

Business Address _____

Inset Names of Officers



President _____

Secretary _____

Treasurer _____

Attest: _____
Secretary



Route FRANK AVENUE
County WILL
Local Agency CITY OF JOLIET
Section 16-00492-00-FP

RETURN WITH BID

PAPER BID BOND

WE _____ as PRINCIPAL,
and _____ as SURETY,

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

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

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

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

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

Principal
By: _____ (Company Name)
By: _____ (Company Name)
_____, (Signature and Title) _____ (Signature and Title)

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

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

STATE OF ILLINOIS,
COUNTY OF _____

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

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

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

Given under my hand and notarial seal this _____ day of _____

My commission expires _____ (Notary Public)

ELECTRONIC BID BOND

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

Electronic Bid Bond ID Code

(Company/Bidder Name)
(Signature and Title) Date



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62784

Affidavit of Availability For the Letting of _____

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						
Estimated Completion Date						
Total Contract Price						Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

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

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

						Accumulated Totals
Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces						
Highway, R.R. and Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning & Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
						\$ 0.00
Totals						

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

Part III. Work Subcontracted to Others.

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

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

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

Subscribed and sworn to before me

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

Signed _____

Notary Public

My commission expires _____

(Notary Seal)

Company _____

Address _____