VILLAGE OF DOWNERS GROVE
Report for the Village Council Meeting
9/13/2016

SUBJECT:	SUBMITTED BY:
2016 Pavement Striping Maintenance Contract	Nan Newlon Director of Public Works

SYNOPSIS

A motion is requested to award a contract for the 2016 Pavement Striping Maintenance to Superior Road Striping of Melrose Park, Illinois in the amount of $30,000.00.

STRATEGIC PLAN ALIGNMENT

The goals for 2015-2017 include *Top Quality Infrastructure.*

FISCAL IMPACT

The FY16 Budget includes $30,000 in the Capital Projects Fund for this contract.

RECOMMENDATION

Approval on the September 13, 2016 consent agenda.

BACKGROUND

The Village has over 26 miles of thermoplastic pavement markings comprised of stop bars, centerlines, lane lines and edge lines in addition to symbols such as left and right turn arrows. Over time they wear and require replacement due to normal weathering, traffic, snow plowing and construction activities. Staff's observations indicate that the average life of thermoplastic pavement markings in the Village is approximately four years.

This project is recommended to be completed through a cooperative purchasing contract with the Suburban Purchasing Cooperative in accordance with the provisions of the Village Purchasing Policy.

Superior Road Striping performed this work for the Village during the years of 2008 through 2010 and performed satisfactorily. Staff recommends award of this contract to Superior Road Striping.

ATTACHMENTS

Suburban Purchasing Cooperative Contract #158
Suburban Purchasing Cooperative Letter of Award

SPC
SUBURBAN PURCHASING
COOPERATIVE

REQUEST FOR PROPOSAL (RFP) #158

Selection of a Vendor to Provide

Thermoplastic Lane Marking Material & Labor

Initial Release Date: March 14, 2016

Suburban Purchasing Cooperative
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Proposals due no later than Friday, March 25, 2016
Time: 10:00 A.M.

1.0 GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS

The Suburban Purchasing Cooperative (SPC) will receive proposals by the set date and time for the joint purchase of **Thermoplastic Lane Marking.**

The general terms and conditions that follow apply to all Bid Requests and Bids accepted by the Suburban Purchasing Cooperative (SPC) unless otherwise specified. Bidders or their authorized representatives are expected to fully inform themselves as to the conditions, requirements, and specifications before submitting Bids. Failure to do so will be at the Bidder's own risk. Submission of a Bid assumes that the Bidder has become familiar with all conditions and intends to comply with them unless otherwise noted.

The award for these Bids goes to the lowest responsive, responsible Bidder unless SPC decides it is in its best interest to do otherwise.

1.1 DEFINITIONS:

"Bidder(s)" means that individual, partnership or legal entity that submits a Bid in response to one or more Bid Requests by SPC.

"Bid(s)" means an offer or proposal tendered in response to a Bid Request.

"Bid Requests" means one or more requests for proposal ("RFP"), request for quote ("RFQ") or invitation for bids ("IFB"), issue or made by SPC.

"Contract" means these general terms and conditions, the terms and conditions of the applicable Bid Requests, and the terms of the applicable successful Bid.

"Contractor" means the successful Bidder of a Bid Request as determined by SPC pursuant to the terms hereof.

1.2 SUBMISSION OF BIDS

All Bids must be submitted on the forms provided or formats specified in the Bid Request documents. All documents must be properly signed, typed in the proper spaces, and delivered to the **Suburban Purchasing Cooperative, c/o Northwest Municipal Conference, 1600 East Golf Road, Suite 0700, Des Plaines, Illinois, 60016** before the specified Bid Request opening date and time. The following information must appear on the face of the envelope: Bidder's name, address, subject matter of the proposal, date of Bid Request opening and hour designated for Bid Request opening as shown in the notice.

Any bidder debarred by the State of Illinois Department of Labor (IDOL) or previously debarred by Suburban Purchasing Cooperative (regardless of being pre-qualified by IDOT) will not be allowed to bid according to the terms in 2.31 DEBARMENT.

Bidders must quote on all items appearing on the "MATERIAL PROPOSAL." Failure to bid on an item may disqualify bids. Bids presented in terms other than those described on the MATERIAL PROPOSAL may disqualify bid.

1.3 INVESTIGATION AND INTERPRETATION OF BID REQUEST DOCUMENTS

It shall be the responsibility of the Bidder to make any and all investigations necessary to become thoroughly informed of what is required and specified in the Bid Request. This includes, but is not limited to, a review of: the Instructions to Bidders, Special Provisions, General Conditions, Specifications, Plans, Drawings, Attachments, Contract, and Bond Requirements. No plea of ignorance by the Bidder of conditions that exist, or that may hereafter exist, as a result of failure or omission on the part of the Bidder to make the necessary examinations and investigations, will be accepted as a basis for varying the requirements of SPC or the compensation to the Bidder.

It is the responsibility of all Bidders to examine the entire Bid Request package and seek clarification of any requirement that may not be clear and check all responses for accuracy before submitting a Bid.

All stated quantities represent an estimate of the quantity of the work to be done and/or materials to be ordered. Quantities are given as a basis for comparison of Bids to determine the awarding of the Contract. SPC does not expressly or by implication agree that the actual quantities involved will correspond to the published estimate. By its submission of a Bid, the Bidder accepts that the quantities stated are estimates only and agrees that SPC will not be bound to such estimate. SPC reserves the right to modify the estimates, or remove them in their entirety, whichever is in the best interests of SPC.

Any interpretation, correction or change of the Bid Request will be made by addendum. Interpretations, corrections and changes to the Bid Request documents made in any other manner will not be binding. The Bidder shall not rely upon verbal interpretations, corrections, and changes, and should submit its inquiry in writing, via e-mail, to the Purchasing Manager at **edayan@nwmc-cog.org** and request written clarification in the form of an addendum. All addenda will be emailed to prospective bidders. IT IS THE RESPONSIBILITY OF THE BIDDER TO CHECK WITH THE PURCHASING MANAGER VIA E-MAIL FOR THE MOST CURRENT AMENDMENTS.

The Purchasing Manager will not be responsible for verbal clarifications, and if any are provided, they shall not be binding upon SPC.

Negligence in preparing a Bid confers no right of withdrawal after such time that a Bid is accepted.

All work must be performed according to manufacturer's stated recommendations. If those recommendations conflict with any of the stated specifications, those issues should be addressed in writing to the Purchasing Manager prior to submitting a Bid. If the manufacturer's recommendations include required services not listed within the specifications, those required services must be considered as part of SPC's requirements and specifications, and proposals should include said manufacturer's recommended services. In addressing issues, they should be in writing, addressed to the Purchasing Manager prior to submitting a Bid. Question for the Purchasing Manager can be submitted via email.

All work to be performed shall be consistent with, and conform to, the prevailing industry performance standards.

Any reference in a Bid Request to a manufacturer's name, trade name, or catalog number (unless otherwise specified) is intended only to indicate articles that will be satisfactory, and is not intended to restrict competition. Bids on other makes and catalog numbers will be considered, provided each Bidder clearly states exactly what is proposed to be furnished. Unless so stated in the Bid, it shall be understood that Bidder intends to furnish items identified and does not propose to furnish an "equal". The Purchasing Manager hereby reserves the right to approve as an "equal," or to reject as not being an "equal," any article the Bidder proposes to furnish which contains major or minor variations from specification requirements but which may substantially comply therewith.

Bidders who want to Bid on items that deviate from the Bid Request's specifications, which they believe are equivalent, may submit alternative Bids. However, ALTERNATIVE BIDS MUST BE CLEARLY INDICATED AS SUCH, AND DEVIATIONS FROM THE APPLICABLE SPECIFICATIONS PLAINLY NOTED. The alternative Bid must be accompanied by complete specifications, drawings, etc., and shall be delivered or electronically transmitted to that individual identified in the Bid Request. Bidders wishing to submit a secondary Bid must submit it as an alternate Bid. Only one Bid per envelope or online submission. Only one alternate Bid may be submitted by a Bidder.

SPC shall be the sole, exclusive and final judge, unequivocally, about whether any substitute is of equivalent or of better quality. SPC's decision in such matter is final, shall be binding upon the Bidder, and will not be subject to review or appeal by any person, firm or corporation. When descriptive literature, catalogs, or other attachments are in conflict with the Bid Request, the language in the bid document will prevail.

1.4 CORRECTIONS TO BID REQUESTS

Bidders shall promptly notify SPC of any ambiguity, inconsistency, or error which they may have discovered upon examination of the Bid Request, provided they are discovered prior to the opening of the Bid. Interpretations, corrections, and changes to

the Bid Request will be made by addendum only. Interpretations, corrections, or changes made in any other manner will not be binding.

1.5 RECEIPT OF BIDS

Bids must be received by SPC before the designated date and time. Mailed or delivered Bids must be received at the Northwest Municipal Conference (NWMC) office before the designated date and time, and will be kept secure and unopened until the designated date and time. No Bid received after the Bid Request opening date and time will be considered.

1.6 LATE BIDS

No Bid which is received after the Bid Request opening date and time specified will be opened or considered. Bids arriving after the specified date and time, whether sent by mail, courier, or in person, will not be accepted. These Bids will either be refused or returned unopened. It is the Bidder's responsibility for timely delivery despite the methods used. Mailed Bids that are delivered after the specified date and hour will not be accepted despite post-marked time on the envelope.

1.7 BIDS BY FAX OR EMAIL

Facsimile machine or email transmitted bids/proposals will not be accepted, nor will SPC transmit Bid Request documents to prospective Bidders by way of a facsimile machine.

1.8 CATALOGS & PRODUCT INFORMATION

Each Bidder shall submit, where necessary, or when requested by the Purchasing Manager, catalogs, descriptive literature, and detailed drawings, fully detailing features, designs, construction, appointments, finishes and the like not covered in the specifications, necessary to fully describe the material or work proposed to be furnished. Failure to provide such information as required may result in Bid disqualification.

1.9 COMMUNICATION AND NOTICES REGARDING THE BID REQUEST

Any communications regarding the Bid Request should be made by e-mail or other written communication, directed to the Purchasing Manager at **edavan@nwmc-cog.org**. All notices from the Purchasing Manager shall be given in writing via email. It is the Bidder's sole responsibility to check with the Purchasing Manager for communication and notices.

1.10 QUOTED PRICES

A. All quoted prices contained in a Bid Proposal shall be binding upon the Bidder if such Bid is accepted by SPC as the winning Bid. All such quoted prices shall be deemed incorporated into and made a part of the Contract by reference. Product costs are based on Bidder's Bid price and shall represent the entire cost in accordance with the Bid Request specification documents and once a Bid is

awarded no subsequent claim will be recognized for any increase in wage scales, material prices, cost indexes, or any other rates affecting the industry or the project during the term of the Contract.

B. Unit prices shall be shown for each unit on which there is a Bid. The unit price will govern in cases of inconsistencies and it will be extended to reflect the correct total price. Unit and/or extended prices will not include any freight, shipping, handling charges or taxes. If applicable, freight and/or shipping charges should be shown as a separate line item.

C. Contractor guarantees product costs against any increases from date the Contract is accepted and Bidder's Bid is executed.

D. Contractor agrees to share cost reductions with SPC. If prices are decreased, SPC contract participants will be credited for the difference in cost for all material ordered within 60 days of the date of the price decrease. All unshipped products will be billed at the lower cost.

1.11 DISCOUNTS

Bidders shall provide prompt payment discounts as set forth in the Bid Request. When cash discounts are offered, the discount date shall be figured from the date of receipt or invoice to SPC contract participants, whichever is later. Prompt payment discounts may be a consideration in the award of the Contract.

1.12 WITHDRAWAL OF BIDS

Bids may be withdrawn at any time prior to the scheduled Bid Request opening or cutoff date. Requests to withdraw a Bid shall be in writing, properly signed and received by the Purchasing Manager prior to the Bid Request opening.

Bids may not be withdrawn after the Bid Request cutoff date or opening without the approval of the Purchasing Manager. After the opening, the Bidder cannot withdraw or cancel its Bid for a period of sixty (60) calendar days.

1.13 CONSIDERATION OF BID

SPC reserves the right not to award a Contract to any person, firm or corporation that is in arrears or is in default to SPC, or any of its contract participants, upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to SPC or had failed to perform faithfully any previous contract with SPC or any of its entities.

The Bidder, if requested, shall present, within 48 hours, evidence satisfactory to SPC of performance ability and possession of necessary facilities, financial resources and adequate insurance to comply with the terms of the Bid Request specifications and Contract documents.

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1.14 AWARD OR REJECTION

SPC reserves the right to reject and/or award any and all Bids or parts thereof and to waive formalities and technicalities according to the best interest of SPC.
SPC will accept one or more of the Bids or reject all Bids within sixty (60) days or within ninety (90) days where approval by other agencies is required, from date of opening of Bids, unless the lowest responsive Bidder, upon request of SPC, extends the time of acceptance.

Any Bid submitted will be binding for twelve (12) months after the date of the award unless otherwise noted.

Bidders shall make all investigations necessary to thoroughly inform themselves regarding the supplies and/or service to be furnished in accordance with the Bid Request. No plea of ignorance by the Contractor of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the Contractor to make the necessary examinations and investigations will be accepted as a basis for varying the requirements of SPC of the compensation to the Contractor.

ANY EXCEPTIONS NOT TAKEN BY THE BIDDER SHALL BE ASSUMED BY SPC TO BE INCLUDED.

Under the conditions of the Uniform Commercial Code, the signing of the Bid by the Bidder constitutes an "offer". If approved by SPC Governing Board, the Bid becomes part of a Contract.

1.15 TIE BIDS

A tie bid exists when two or more bidders offer products and/or services that meet all specifications, terms and conditions at identical prices, including discounts offered. In such case, a tie bid will be broken by the following methods in descending order of preference:

A. The bids shall be re-bid with the lower bid receiving the contract.

B. If there are still tied bidders, then a coin toss by the NWMC Purchasing Manager shall decide the bidder to whom the contract shall be awarded. Tie bidders shall be offered the opportunity to attend the coin toss but need not be present.

1.16 TAXES

SPC is exempt by law from paying Federal, State and Village Retailer's Occupation Tax, State Service Occupation and Use Tax and Federal Excise Tax. Each participating entity will supply the Contractor with their purchaser's tax exempt numbers.

1.17 CONTRACT ALTERATIONS

No amendment of a Contract shall be valid unless made in writing and signed by SPC and Contractor(s).

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1.18 REQUIREMENTS OF SUCCESSFUL BIDDER

The successful Bidder, within ten (10) days after notification of the award shall: (a) enter into a Contract in writing with SPC covering all matters and issues as are set forth in the Bid Request specifications; and (b) carry insurance acceptable to SPC covering public liability, property damage and worker's compensation, or performance bond and payment bonds when required.

1.19 COMPLIANCE WITH ALL LAWS

All work under the Contract must be executed in accordance with all applicable federal, state and local laws, ordinances, rules and regulations.

1.20 NON-ASSIGNABILITY

The Contractor shall not assign the Contract, or any part thereof, to any other person, firm or corporation without the previous written consent of SPC Governing Board. Such assignment shall not relieve the Contractor from its obligations, or change the terms of the Contract.

1.21 INDEMNITY

The Manufacturer shall indemnify, save harmless and defend SPC, its officers and employees from any and all liability, losses or damages, including attorney's fees and costs of defense SPC may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature, including worker's compensation claims, in any way resulting from or arising out of or relating to any act, omissions or the operations of Manufacturer under the Contract, including operations of its employees and subcontractors, and the Manufacturer shall, at its own expense, appear, defend and pay all fees of attorneys and all costs and other expenses arising there from or incurred in connection therewith; and, if any judgments shall be rendered against SPC in any such action, the Manufacturer shall, at its own expense, promptly satisfy and discharge same. The Manufacturer expressly understands and agrees that any performance bond or insurance protection required by a Contract, or otherwise provided by Manufacturer, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend SPC as herein provided.

It is the Manufacturer's responsibility to assure that all products comply with all federal, state and local laws and regulations affecting the manufacture, distribution and labeling of merchandise.

Manufacturer is required to take full responsibility for their products and protect SPC from any claims or lawsuits which may occur as a result of the use of their product(s) by SPC contract participants.

Manufacturer agrees to indemnify, defend and save SPC, its contract participants and all users of the product(s) harmless from any and all claims, actions, lawsuits,

liabilities, losses, damages, costs and expenses (including attorney's fees) arising from or alleged to arise from any or all of the following:

A. Actual or alleged infringement of any patent, trademark, copyright or any similar right, or any claim of unfair competition in connection with the product and shall promptly notify SPC thereof;

B. Actual or alleged death or injury to any person, damage to any property or any other damage or loss, by whomsoever suffered, resulting or claimed to result in whole or in part from any actual or alleged defect in the product, whether latent or patent, including actual or alleged improper construction or design of the products or the failure of the products to comply with specifications or any express or implied warranties of the Manufacturer; and

C. Actual or alleged violation by the products, or their manufacture, possession, use or sale, of any law, statute or ordinance or any governmental administrative order, rule or regulation.

D. All agreements of indemnity herein shall survive acceptance of product and termination of the Contract.

1.22 INSURANCE

In submission of a Bid, the Bidder is certifying that it has all insurance coverage required by law or would normally be expected for Bidder's type of business. In addition, the Bidder is certifying that the following minimum is in place:

Type of Insurance	Liability Limits Each occurrence	Liability Limits Aggregates
General:		
Bodily Injury	$1,000,000	$2,000,000
Property Damage	$1,000,000	$2,000,000
Contractual Liability:		
Broad Form	$1,000,000	$2,000,000
Automobile:		
Bodily Injury	$1,000,000	$2,000,000
Property Damage	$1,000,000	$2,000,000

The insurance must include non-owned, hired or rented vehicles, as well as owned vehicles.
Insurance: Insurance Company must have a Best Rating of AV or better.

Workers Compensation	Statutory for Illinois
Employer's Liability	$1,000,000

It is required that the Contractor supplies SPC a certificate evidence of insurance.

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Note: The Bid Request specifications may require higher limits or additional types of insurance coverage than showed above and the Contractor may be required to furnish a certificate of proof of insurance coverage.

The Contractor agrees to grant SPC an "additional insured" status on all applicable insurance policies and said policies will not be canceled unless SPC is provided a thirty (30) day prior written notice. Nothing contained in the insurance requirement shall be construed as limiting the extent of the Contractor's responsibilities for payment of damages resulting from Contractor's, its employees or subcontractors acts, omissions or operations under the Contract. If so required by the Bid Request, the Contractor shall have all of its contract participants added as "additionally insured" on all applicable insurance policies.
A new Certificate of Insurance and Broad Form Vendor's Endorsement must be provided to SPC each year prior to the expiration of the Product Liability policy. This annual obligation remains in force for as long as Contractor continues to offer products or services under the Contract.

1.23 NON-DISCRIMINATION

The Contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1 – 101, et seq. (2000), as amended, and any rules and regulations promulgated in accordance therewith, including but not limited to, the Equal Employment Opportunity Clauses, 5 Il. Admin. Code § 750A. The Contractor shall also comply with the Public Works Employment Discrimination Act, 775 ILCS 10/01 et seq. (2000), as amended.

It shall also be an unlawful employment practice for the Contractor (1) to fail or refuse to hire or to discharge any individual or their compensation, or the terms, conditions, or privileges of their employment, because of such individual's race, color, religion, sex, age, handicap or national origin; or (2) to limit, segregate or classify their employees or applicants for any individual or employment opportunities or otherwise adversely affect their status as an employee, because of such individual's race, color, religion, sex, age, handicap or national origin. Contractor shall comply with the Civil Rights Act of 1964, 42 U.S.C. § 2000, et seq. (2000), as amended.

1.24 DEFAULT

In case of default by the Contractor, SPC will procure articles or service from other sources and hold the Contractor responsible for any excess cost incurred as provided for in Article 2 of the Uniform Commercial Code.

SPC may terminate the whole or any part of the Contract in any one of the following circumstances:

A. If the Contractor fails to make delivery of materials or to perform services within the time specified in this proposal; or

B. Fails to make progress so as to endanger performance of the Contract, or

C. Fails to provide or maintain in full force and effect, the liability and indemnification coverage if required.

1.25 SPECIAL CONDITIONS

Wherever special conditions are written into the Bid Request specifications or special provisions which are in conflict with conditions stated in the instructions to Bidders, the conditions stated in the specifications or special provisions shall take precedence.

1.26 FAVORED NATIONS CLAUSE

In the event the Contractor introduces a program with more favorable terms than those available to customers of similar status to SPC or its contract participants, the Contractor shall immediately make that program available to SPC and its contract participants.

1.27 PERMITS AND LICENSES

The successful Bidder shall obtain, at its own expense, all permits and licenses which may be required to complete the Contract.

1.28 REGULATORY COMPLIANCE

The Contractor shall submit a Material Safety Data Sheet (MSDS) prior to or at the time of delivery if any toxic substance is contained in the product per Public Act 83-240, OSHA standards or any other applicable law.

All applicable portions of the Uniform Commercial Code shall govern the Contract between the Contractor and SPC.

1.29 SPECIAL HANDLING

Prior to delivery of any material which is caustic, corrosive, flammable or dangerous to handle, the Contractor will provide written directions as to methods of handling such products, as well as the antidote or neutralizing material required for its first aid before delivery.

1.30 SPC PRICING FOR NON-PROFIT AGENCIES

The Contractor shall submit SPC pricing to any non-profit agency that is approved by SPC. In addition, it must be clearly designated and presented as SPC pricing.

1.31 ADDENDA

Addenda are written instruments issued by SPC prior to the date for receipt of Bids which modify, or interpret the Bid Request by addition, deletions, clarifications, or corrections.

Prior to the receipt of Bids, addenda will be emailed to prospective bidders. IT IS UP TO THE BIDDER TO CHECK WITH THE PURCHASING MANAGER FOR THE MOST CURRENT AMENDMENTS.

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1.32 FORCE MAJEURE

Neither party shall be liable for any delays in performance caused by Acts of God, civil or military authority, fires or other circumstances beyond their reasonable control.

1.33 JURISDICTION

Finally, the parties agree that the Contract is subject to and shall be interpreted under the internal laws of the State of Illinois, without regard to its conflict of laws provision. By executing the Contract, both parties agree to be subject to the jurisdiction of the courts of the County of Cook in the State of Illinois. The parties also agree that should any litigation be commenced between the parties concerning any provision of the Contract or the rights and duties hereunder, the party prevailing in such litigation shall be entitled, in addition to such other relief as may be granted in such proceeding, to reasonable sum from the non prevailing party for attorneys' fees.

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2.0 SPECIAL CONDITIONS

2.1 INTENT

The intent of this Request for Proposal (RFP) as it is issued by the Suburban Purchasing Cooperative (SPC) is to secure pricing quotations from qualified vendors as it relates to the procurement and delivery of material and labor for Thermoplastic Lane Marking under the joint purchasing program. The SPC does not guarantee any quantities purchased associated with this RFP. No additional compensation will be allowed to the awarded vendor for any adjustments of quantities.

The SPC represents over 146 municipalities and townships in the Chicago land region. The following entities are eligible to participate in the SPC joint purchasing programs: Municipalities, Townships, Counties, Fire Protection Districts, Park Districts, Libraries, School Districts and Non Profit Organizations.

2.2 BILLING

All billings shall be directed to the ordering agency. Billings shall only contain prices that are consistent with those in this contract. The Contractor will handle all billing directly, charging the prices accepted in the proposal. Price shall also include the SPC 4% Administrative fee. The SPC and participating municipalities are exempt from all state and local taxes.

This work will be paid for the contract price (per foot) for "THERMOPLASTIC PAVEMENT MARKING AND/OR TAPE – LINE 4 IN., 6 IN., 12 IN. and 24 IN." and (per square foot) for "THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS", and (per square foot) "THERMOPLASTIC PAVEMENT MARKING REMOVAL." Double lines shall be measured as separate lines.

2.3 SPC ADMINISTRATIVE FEE & QUARTERLY REPORTS

The Northwest Municipal Conference (NWMC) is responsible for the development, execution, and general contract administration of the SPC. The NWMC is compensated for program costs it incurs through payment from the vendor, in the amount of a 4% administrative fee. This fee shall be paid directly by the vendor to the SPC on a quarterly basis with a quarterly usage report. This is not an additional fee to be paid for by the ordering entity. The SPC shall not be responsible for any non-payment of any participating agency. Each individual participant's agency shall be responsible for insuring delivery of product and work, receipt and payment of vendor invoices, as well as for the resolution of disputes between the vendor and the member agency. Payment for the SPC administrative fees shall be sent to the NWMC Purchasing Manager at 1600 East Golf Road, Suite 0700, Des Plaines, IL 60016. Payment shall be received by the NWMC within one month of the end of each fiscal quarter as follows:

Quarter 1: May 1 – July 31; payment due by August 31
Quarter 2: August 1 – October 31; payment due by November 30
Quarter 3: November 1 – January 31; payment due by February 28
Quarter 4: February 1 – April 30; payment due by May 31

2.4 QUARTERLY REPORTS

The vendor shall provide the NWMC Purchasing Manager a quarterly usage report detailing which municipalities work has been completed and the surface existing type, length, width, monetary amount for each order, and SPC administrative fee earned, on an Excel spreadsheet via email to edayan@nwmc-cog.org.

2.5 RIGHT TO AUDIT

The SPC/NWMC reserves the right to audit the SPC vendor's administrative fee reports at any time for the duration of the contract and for a period of up to two years after the end of the contract or after final payment of administrative fees due under the contract. The right to audit shall include any subcontractors engaged by the vendor. The audit may be conducted utilizing SPC/NWMC staff through a contracted auditing firm. SPC/NWMC has the right to inspect the books/records/reports/documents of the firm at any time with reasonable notice (reasonable may be 3 days notice, not during a holiday or weekend, during normal business hours, etc). The vendor will make reasonable arrangements in order to conduct the audit. The contractor agrees to fully cooperate in the inspection of its books, records, documents, and reports by making them available for inspection at the date and time requested by the SPC/NWMC. In addition, the contractor will provide copies of any documents if requested by the SPC/NWMC.

In addition to collecting any outstanding administrative fees due to the SPC/NWMC, the SPC/NWMC further reserves the right to assess fees and liquidated damages, including but not limited to recovery of mutually agreeable fees to conduct the audit as well as a negotiated interest rate calculation, against the vendor to recoup the costs of the audit and the cost due to any underreporting of administrative fees due to the SPC/NWMC. The vendor shall remit all fees and liquidated damages due to the SPC/NWMC within sixty (60) days following the close of the audit.

2.6 PARTICIPATING MUNICIPALITIES

A. The entities listed below have indicated that they will participate in 2016, including, but not limited to:

Arlington Heights	Oak Forest
Barrington	Park Ridge
Bensenville	Rolling Meadows
Bloomingdale	Roselle
Carol Stream	Streamwood
Des Plaines	Vernon Hills
Downers Grove	West Chicago

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La Grange Wilmette
Lake Forest

The listing of agencies on the attached Estimated Quantity by Municipality identifies the participating agencies and the estimated quantities of the type and amount of thermoplastic lane markings they plan to contract for. These totals are summarized by category in the "SCHEDULE OF PRICES" section of this RFP.

B. Municipalities may increase or decrease their quantities based on the total dollar amount for the contract. No additional compensation will be allowed to the contractor for any adjustment of quantities.

C. The vendor must agree to provide all lane marking to the participating agencies during the term of the contract at prices quoted herein.

D. The vendor must agree to provide lane marking to any and all eligible entities requesting to participate in the SPC contract during the term of the contract at prices quoted herein.

2.7 SPECIFICATIONS

Bidder agrees to meet or exceed specifications as specified in Illinois Department of Transportation 2012 Standard Specifications for Road and Bridge Construction, specifically adhering to Division 700 Work Zone Traffic Control and Protection, Signing, and Pavement Marking.

2.8 SERVICE SPECIFICATIONS

A. Definition of Terms

1. Whenever the term "Owner' appears in the following provisions it shall be construed to mean NWMC on behalf of the SPC and its duly authorized representatives and the municipalities that are participating in the contract and their duly authorized representatives.

2. Whenever herein the term "Director" is used it shall be construed to mean the Director of Public Works or his or her designated representative of the municipality on which the work specified herein is performed.

3. Whenever herein the term "Contractor" is used, it shall be construed to mean the company or individual to whom the contract is awarded and its superintendents, workers, agents, or assignees.

4. Whenever herein the term "Work" is used it shall be construed to mean all phases of the operations required to completely perform all parts of the work as described in the specifications.

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B. Control and Inspection of Work
All work performed by Contractor shall be done in conformance with the specifications of this document and directions of the Director of the jurisdiction in which work is being conducted. The specifications of this document take precedence unless Contractor, Director and the SPC agree otherwise. Any work or material that is not found to meet specifications shall be redone or replaced at the Contractor's expense.

C. Notice to Director
Contractor shall notify Director of a municipality at least three (3) business days in advance of the commencement of work in a municipality with a start date and time. Director may require a "pre-work" meeting with Contractor.

D. Supervisor at the Work Site
Contractor shall at all times have a foreman on the work site(s) that is fluent in the English language and who has full authority to act for Contractor and is able to receive and execute orders from representatives of the jurisdiction in which work is being conducted.

E. Pre-Construction Meeting
The SPC requires that a pre-construction meeting be held between the Contractor, a SPC representative and SPC membership involved with the Thermoplastic Lane Marking Program.

F. Provision of Schedule
The Contractor shall furnish a tentative schedule to both the participants and the NWMC Purchasing Manager in advance of the pre-construction meeting, but no later than May 10, 2016. At minimum, a final schedule will be submitted at the pre-construction meeting or before the first day of work.

G. Contractor Provision
The contractor shall provide a local contact name, local phone number and email address.

H. Sequence and Speed of Work
1. Consecutive Weather Permitting Days
   Unless instructed otherwise by Director of the municipality in which work is being performed, work shall continue within a municipality on all consecutive weather-permitting non-holiday weekdays until the contract limit for the municipality has been reached, or the Director indicates work is to end. Work hours shall be limited to 7:00 A.M. through 5:00 P.M.

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2. Inclement Weather
It is the contractor's responsibility to provide proof of inclement weather conditions by providing the numbers of days of rainfall, low temperatures, snow, as well as the number of given days where the application of Thermoplastic Lane Marking was not possible.

Abnormal Rainfall is defined as the 10 years maximum monthly rainfall for the counties of Cook, DuPage, Kane, Lake and McHenry counties. The qualifying date for abnormal rainfall is the date when cumulative rainfall for a given month exceeds the 10 year return for the month for any given county.

Proof of inclement weather shall be provided by obtaining information from the National Weather Service Chicago IL office website at: http://www.crh.noaa.gov/lot/.

A list of reporting weather stations is available at: http://www.weather.gov/climate/xmacis.php?wfo=lot. Select product "Daily Data for a Month" and then select the appropriate location.

The Contractor shall present a claim to the NWMC Purchasing Manager for delays and if chosen, a request for extension of time to complete the contract. The extension of time will be granted by the NWMC Purchasing Manager.

I. Target Completion Goals

May 20, 2016	10% of contract
June 20, 2016	30% of contract
July 20, 2016	50% of contract
August 20, 2016	70% of contract
September 30, 2016	100% of contract

Unless an extension has been requested and granted due to inclement weather, the target dates shall be met by the contractor. If the contractor fails to meet the specific target goal percentages for a given month, the NWMC Purchasing Manager will immediately notify the awarded contractor's bonding company. If, after 30 days, the contractor is still found to be non-compliant with the target completion goals, the SPC Governing Board reserves the right to cancel the contract and award the project to the next lowest bidder of record for 2016.

J. Completion of Work
All work required by this contract shall be completed during the period of April 15, 2016 to September 30, 2016 in compliance with the 2012 Illinois Department of Transportation Standard Specifications. The Provisions of Article 108.09 (page 54-56) shall be strictly adhered to if the contractor fails to complete the required work

before September 30, 2016, unless a later date is requested at the direction of the participating agency.

K. Protection of Public and Private Property
Contractor shall take precautions to avoid damage to public or private property during all stages of the contractor's work. Contractor is monetarily responsible for any damage to public or property in their performance of the contract.

L. Removal of Old Thermoplastic Pavement Markings
Contractor shall remove old thermoplastic markings before applying new material when requested by the Director. Removal shall be paid for on a square foot basis as included in the Schedule of Prices.

M. Traffic Control
The contractor shall obtain, erect, maintain and remove all signs, barricades, flag persons, and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be as directed by the Director and in accordance with applicable part of Article 107.14 of Standard Specifications and the Illinois Manual on Uniform Traffic Control devices for Streets and Highways. All traffic protection will be considered incidental to the cost of the Contract and will not be paid for separately.

N. Overnight Storage of Equipment and Condition of Work Sites
Work site shall be restored to an orderly condition with no loose debris and materials neatly arranged at the end of each work day. Contractor will comply with Directors instructions concerning overnight storage. Municipalities may provide contractor with temporary overnight storage. The SPC and the municipality do not assume responsibility for materials and equipment stored; contractor takes full responsibility.

2.9 LEGAL CONSIDERATIONS & COMPLIANCE WITH LAWS

All work performed by Contractor that is associated with the fulfillment of this contract shall conform to the terms of the document and the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction where document is silent. Contractor will also comply with all federal, state, and local laws, all rules and regulations, orders and decrees of any court, administrative body or tribunal that affect the performance of the contract. A partial list of applicable laws includes the Illinois Toll Highway Act, Workers Compensation Laws, Fair Labor Standards Act, Minimum Wage and Prevailing Wage. Pleas of misunderstanding or ignorance thereof will not be considered.

A. Collusion: The BIDDER certifies that the prices contained in the proposal have been established without knowledge of any other proposal on this item and the BIDDER has not colluded conspired, connived or agreed, directly or indirectly, with another BIDDER, VILLAGE employee or any person, to fix the bid price

submitted by the BIDDER or any other BIDDER, and agrees to indemnify the VILLAGE for any losses sustained by it due to illegal actions of the BIDDER. He also certifies that the BIDDER, its agents, owners, officers or employees have not been convicted or pleaded nolo contendere to bribery, bid rigging, pricing fixing or defrauding a unit of government in violation of Section 33E-3 or 33E-4 of the State of Illinois Criminal Code.

B. Sexual Harassment Policy: The BIDDER certifies that the firm has a written sexual harassment policy defining sexual harassment as required in Section 2-105 of the Illinois Human Rights Act. 775 ILCA 5/1-105 et. seq.

C. Tax Payments: The BIDDER certifies that the BIDDER is not delinquent in the payment of any tax administered by the Illinois Department of Revenue as set forth in 65 ILCS 5/11-42.1-1.

D. Fair Employment Practices: The BIDDER assures the VILLAGE that he is an "Equal Opportunity Employer" as defined by federal and state laws and regulations. He agrees to comply with the Illinois Employment Practice Commission Equal Opportunity clause as required by Article 11 of the Illinois FEPC Rules and Regulations, which is considered to be part of any contract or purchase agreement. The clause is reprinted below:

ILLINOIS EQUAL OPPORTUNITY CLAUSE

In the event of the contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act or the Rules and Regulations of the Illinois Department of Human Rights ("Department"), the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the contractor agrees as follows:

1) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status, order of protection status, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

2) That, if it hires additional employees in order to perform this contract or any portion thereof, it will determine the availability (in accordance with the Department's Rules) of minorities and women in the area(s) from which it may

reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

3) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status, order of protection status, or an unfavorable discharge from military service.

4) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Human Rights Act and the Department's Rules. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules, the contractor will promptly so notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.

5) That it will submit reports as required by the Department's Rules, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules.

6) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules.

7) That it will include verbatim or by reference the provisions of this clause in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

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E. Preference to Illinois Citizens Act

The *Preference to Illinois Citizens Act also known as the Employment of Illinois Workers on Public Works Act* is not enforceable unless Illinois has an **excessive unemployment** rate of over 5%. According to the United States Bureau of Labor Statistics, the current (**December, 2015**) rate of unemployment in Illinois is listed at **6.1%.** The SPC shall enforce the Preference to Illinois Citizens Act at this time and does reserve to right to enforce the Act whenever applicable.

ACT 570. EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS ACT-ILLINOIS COMPILED STATUTES: 30 ILCS 570/1-7.

5701/1. Definitions

§ 1. For the purpose of Article 2 of this Act, the following words have the meaning ascribed to them in this section.

"Illinois laborer" refers to any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident.

"A period of excessive unemployment" means any month immediately following 2 consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded 5% as measured by the United States Bureau of Labor Statistics in its monthly publication of employment figures.

570/2. Application of Act

§ 2. Article 2 of this Act applies to all labor on public works projects or improvements, including projects involving the clean-up and on-site disposal of hazardous waste, but excluding emergency response or immediate removal activities, whether skilled, semi-skilled or unskilled, whether manual or non-manual.

570/3. Public works projects-Employment of Illinois laborers

§ 3. Whenever there is a period of excessive unemployment in Illinois, every person who is charged with the duty, either by law or contract, of constructing or building any public works project or improvement or for the clean-up and on-site disposal of hazardous waste for the State of Illinois or any political subdivision, municipal corporation or other governmental unit thereof shall employ only Illinois laborers on such project or improvement, and every contract let by any such labor be used: Provided, that other laborers may be used when Illinois laborers are not available, or capable of performing the particular type of work involved, if so certified by the contractor and approved by the contracting officer.

570/4. Non-resident executive and technical experts

§ 4. Every contractor on a public works project or improvement in this State may place on such work a regularly employed non-resident executive and technical experts, even though they do not qualify as Illinois laborers as defined in Section 1 of Article 2 of this Act.

570/5. Rules and Regulations-Bidding notice

§ 5(a). In all contracts involving the expenditure of federal aid funds in relation to a public works project or improvement, Article 2 of this Act shall not be enforced in such manner that conflicts with any federal statues or rules and regulations.

570/6. Violation-Penalty

§ 6. Any person who knowingly fails to use Illinois laborers as required in this Act, shall be guilty of a Class C misdemeanor. Each separate case of failure to use Illinois laborers on such public works projects or improvements shall constitute a separate offense.

570/7. Enforcement

§ 7. Article 2 of this Act shall be enforced by the Department of Labor, which as represented by the Attorney General, is empowered to sue for injunctive relief against the awarding of any contract or the continuation of any work under any contract for public works or improvements when the provisions of Articles 2 of this Act are not being met.

2.10 FAILURE TO MEET CONTRACTUAL OBLIGATIONS

If the vendor is unable to meet its contractual obligations within a reasonable time determined by the SPC for any reason including strikes and acts of God, as set out in the contract documents, then the SPC, at its option, may secure materials and/or services from any other available source and any difference in price shall be a liability of the vendor and payment of any differential shall be under such terms and conditions which the SPC, in its sole discretion, the most practical and cost effective method of supply available to obtain the material.

2.11 CANCELLATION

The Suburban Purchasing Cooperative (SPC) reserves the right to terminate this contract at any time and for any reason during its period of performance upon giving thirty (30) days written notice to the vendor of such cancellation. The award vendor may terminate this contract at any time and for any reason during its period of performance upon giving sixty (60) days written notice to the NWMC Purchasing Manager. Parties agree to meet and confer promptly in the event of any discrepancy or concern. In the event termination notice is served, the awarded vendor and participating ordering agencies of this program shall continue to honor the terms of this contract until each participating ordering agency‘s existing contract with the awarded vendor has expired.

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2.12 TERM OF CONTRACT

Contract shall be in force for one year from the date of the contract award, provided terms of the contract are honored and the right to terminate described in section 2.11 above has not been exercised. All confirmed orders will be protected under this contract until delivered to the participant. The SPC reserves the right to extend the contract for up to (3) three additional one-year terms upon mutual agreement of both the vendor and the Conference on a negotiated basis. *The vendor must hold bid prices constant for the first year of the contract.* If a contract extension is exercised, the vendor must provide written documentation from the manufacturer proving any price increases and/or decreases for items originally bid on. In no event shall the term plus renewals exceed four (4) years.

2.13 REFERENCES

Bidding vendors shall provide (5) five references from current purchasers (Appendix A).

2.14 VENDOR QUALIFICATIONS

Vendor shall provide a general history, description and financial status of their company.

Vendor shall have owned and operated the business for at least five (5) years and must give evidence of the same.

The SPC reserves the right to visit and inspect the premise and operation of any vendor.

2.15 SERVICES

The awarded vendor shall assign (at minimum) one in-house customer service representative (salesperson) to handle all routine issues with regards to orders, deliveries, back-orders and invoices. The customer service (salesperson) shall be accessible by telephone during normal working hours, Monday through Friday.

2.16 TOXIC SUBSTANCE

Any toxic substances awarded, must have label securely affixed to each container and to each case with manufacturer's standard identification commercially type-set label which shall be in compliance with the Federal Hazardous Substances Labeling Act and applicable O.S.H.A. requirements. Label shall be in water resistant ink and be such that label will resist deterioration and remain legible throughout using period of contents.

The Label shall clearly indicate at least the following:

- Generic identification of contents
- Name and address of manufacturer
- Trade/brand name of product therein
- Manufacturer's directions for use in detail
- Warning statement and precautionary handling instructions
- Recommended antidotal action information as required

- Net contents in U.S. standard pounds, ounces, gallons or fluid ounces
- Active ingredient claim as required

2.17 TOXIC SUBSTANCE DISCLOSURE LAW

It is a condition of this RFP, and/or any resulting order, that the vendor is required to furnish a Materials Data Safety Sheet for each toxic substance awarded. Such sheets shall accompany each shipment or be forwarded under separate cover at time of shipment to the user agency. Submission of Materials Data Safety Sheet is required by the Illinois Toxic Substances Disclosure to Employees Act (PA 83-240, ILL. Rev, STAT., CH48, PAR 1401 ET SEQ).

All such products shall be currently and properly on file with the Thompson Micro Medex Poisindex System, 6200 South Syracuse Way, Suite 300, Greenwood Village, CO 80111-4740, Phone (303) 486-6400.

2.18 PROGRAM PROMOTION

The SPC shall promote and announce the onset of the SPC/awarded vendor program, and shall actively solicit participants (Municipalities, Townships, Schools, Libraries, Park Districts, Counties, and not-for-profits in Illinois). The awarded vendor will be allowed to send promotional materials to participants with prior written approval of the SPC. Mailings originated by the awarded vendor will be at their own expense. The awarded vendor agrees that any bids received by any municipal law enforcement agency be clearly noted as being a SPC contract price.

2.19 FEATURE

The awarded vendor shall have items available within the production capabilities of the manufacturer after the receipt of the order. The awarded vendor may refer calls and requests for pricing information related to this bid to the NWMC Purchasing Manager, or at the expense of the awarded vendor, send out specification sheets by fax, email or mail.

2.20 UNIT PRICES

Unit prices shall only be shown for the basic unit of measure and options indicated. Quoted prices shall be guaranteed for the term of the contract.

2.21 F.O.B POINT

Except as otherwise noted, basic unit prices are to be quoted to include delivery.

2.22 ORDERING PROCEDURES

Release orders are to be issued by the local governmental units which will issue orders for delivery on their own order form and in accordance with their needs.

2.23 DELIVERY CONDITIONS

All orders delivered to the local governmental units are required to be delivered in exact compliance with specifications. Failure to comply shall be considered grounds for the

local governmental unit to seek remedy for the deficiency in line with the legal policies prevailing for their government as pertains to failure to make delivery under contract in conformance to specifications.

2.24 JOINT PURCHASING AGREEMENT

Illinois revised statues, 1989, CH. 85, PAR. 1601 ET SEQ. (The joint purchases by governmental units act), authorizes certain local governmental units and not-for-profit workshops for the severely handicapped (as defined in Illinois Revised Statues, 1989, CH. 127, PAR. 132.7-1, meeting the requirements of CH. 85, PAR. 1602.2) to purchase personal property and supplies jointly.

(30 ILCS 525/0.01) (from Ch. 85, par. 1600) The Governmental Joint Purchasing Act. (Source: P.A. 86-1324.)

(30 ILCS 525/1) (from Ch. 85, par. 1601) Sec. 1. For the purposes of this Act, "governmental unit" means State of Illinois, any public authority which has the power to tax, or any other public entity created by statute. (Source: P.A. 86-769.)

30 ILCS 525/2) (from Ch. 85, par. 1602) Sec. 2. (a) Any governmental unit may purchase personal property, supplies and services jointly with one or more other governmental units. All such joint purchases shall be by competitive bids as provided in Section 4 of this Act. (Source: P.A. 87-960.)

Any authorized local unit of government or qualified workshop that may participate in this contract shall be responsible for issuing purchase orders direct to vendor, processing invoice vouchers and making payments due the vendor. Cash on delivery terms without the consent of the local governmental unit is prohibited.

By submitting a bid, the awarded vendor agrees to extend all terms and conditions, specifications and the quoted prices or discounts for the item(s) listed in this contract to all authorized local governmental units and qualified workshops.

2.25 RESERVATION OF RIGHTS

The SPC reserves the right to take bids and buy outside of the contract for any orders, in the event the awarded vendor is unable to deliver for causes beyond his or her control and not the result of fault or negligence of the awarded vendor.

2.26 ASSIGNMENT OF CONTRACT

No contract or release order issued under this contract shall be assigned, changed, or in any other manner disposed of without the written permission of the SPC.

2.27 MANUFACTURER'S STRIKE

In the event that a strike against an awarded vendor manufacturer is in effect for not less than forty-five (45) days, the SPC reserves the option to either re-bid the contract or award

the existing contract to the next low bidder representing another manufacturer able to deliver the items within the allotted time as stated in the contract.

2.28 AWARD OF BID

Basis of the award will be; conformity to the specifications and is most advantageous to the SPC, the lowest total price for animal tags and motorcycle medallions exclusive of optional items, the meeting of the five-year in business requirement and the provision of the description and financial status of the company (Appendix B).

Reference checks will be performed and if found unsatisfactory by the NWMC Purchasing Manager and the SPC Governing Board they shall be due cause for rejection of the bid. Recommendation of award will be made by the NWMC Purchasing Manager and the final determination of award will be decided by the SPC Governing Board.

2.29 PROPOSAL GUARANTEE

Winning Bidder shall submit a proposal guaranty within 2 working days of the award, payable to the Northwest Municipal Conference (NWMC) on behalf of the Suburban Purchasing Cooperative (SPC), in the amount of 5% of the total bid on the attached Material Proposal Form. The proposal guaranty is to be in the form of a CERTIFIED OR CASHIER'S CHECK. The proposal guaranty is forfeited to the NWMC if the vendor, in the sole estimation of the SPC, fails to honor the terms of this contract. The proposal guaranty will be returned to the vendor upon successful completion of the contract. A statement concerning bid rigging and bid rotating shall accompany bids.

2.30 CERTIFIED PAYROLL

The Prevailing Wage Act (Public Act 094-0515) is amended by changing Section 5 of the Act as follows: (from Ch. 48, par. 39s-5).

While participating on public works, the contractor and each subcontractor shall:

A. Make and keep, for a period of not less than three (3) years, records of all laborers, mechanics, and other worker's name, address, telephone number when available, social security number, classification or classifications, hourly wages paid in each pay period, the number of hours worked each day, and the starting and ending times of work each day; and

B. **Submit monthly, in person, by mail, or electronically a certified payroll to the Suburban Purchasing Cooperative.** The certified payroll shall consist of a complete copy of the records identified in paragraph (a) of this subsection. The certified payroll shall be accompanied by a statement signed by the contractor or subcontractor which avers that:

(i) such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required by the Prevailing Wage Act 094-0515 and (iii) the contractor or subcontractor is aware that filing a

certified payroll that he or she knows is false is a Class B misdemeanor. A general contractor is not prohibited from relying on the certification of a lower tier subcontractor, provided the general contractor does not knowingly rely upon a subcontractor's false certification. Any contractor or subcontractor subject to this Act who fails to submit a certified payroll or knowingly files a false certified payroll is in violation of this Act and guilty of a Class B misdemeanor. **The Northwest Municipal Conference Purchasing Manager, as the SPC representative, shall keep the records submitted for a period of not less than three (3) years**. The records submitted in accordance with this paragraph (b) shall be considered public records, except an employee's address, telephone number and social security number, and made available in accordance with the certified payroll laws and regulations.

2.31 DEBARMENT

Prospective bidders may be barred from doing business with the Suburban Purchasing Cooperative for a period up to five (5) years including a minimum of one bidding cycle for a first time offense with the approval of the SPC Governing Board. Second time offenders may be barred for a period up to ten years also with the approval of the SPC Governing Board. Barred vendors may appeal no later than 30 days after issuance of the decision by filing a written notice of appeal to the SPC Governing Board for consideration. The SPC Governing Board will review and provide a recommendation to the NWMC Executive Director. The Executive Director will make the final decision on the appeal.

Bidders may be barred for the following (non-inclusive):

A. Breach (including anticipatory breach) of contract with the SPC or any governmental unit. Governmental unit is defined as any public authority in the State of Illinois which has the power to tax, or any other public entity created by statute. (30 ILCS 525/1) Illinois Governmental Joint Purchasing Act.

B. The bidder being delinquent in the payment of any tax administered by the Illinois Department of Revenue as set forth in 65 ILCS 5/11-42.1-1

C. A bidder who is barred from doing business with the federal government, the State of Illinois, or a unit of local government in Illinois, that has been found to be in violation of any federal or state statute or regulation concerning public contracting or the Illinois Officials and Employee Ethics Act, or who has failed to perform as required on a previous NWMC contract.

D. Falsifying or misrepresenting manufacturer's specifications in order to appear responsive to a solicitation.

E. Conferring or offering to confer any gift, gratuity, favor, or advantage, present or future, upon any NWMC employee or SP Governing Board member who exercises any "official responsibility" to negotiate and enter into contracts. It is not necessary

that the offer be accepted by the employee/committee member, or even that the offer be made with intent to influence the employee/committee member in an official act.

F. Failing to disclose a condition constituting a conflict of interest by any officer, director, owner, or partner of the vendor in a contract or purchase order awarded by the Conference, a unit of local government, or a state agency.

G. Any fact indicating that the individual or firm is not a responsible vendor. A responsible bidder is defined as a person who has the capability in all respects to perform fully the contract requirements and the integrity and reliability that will assure good faith performance (30 ILCS 500/1-15.80).

H. Conviction of any criminal offense involving public contracting. Examples include, but are not limited to, bribery and knowingly making a false statement in regard to collusion of a Request for Proposals. Conviction for any of the above of any officer, director, owner, partner, agent or related business entity of a vendor shall constitute grounds for debarment.

I. Judgment finding a violation of federal, state, or local municipality antitrust laws.

J. Finding that the bidder has colluded, conspired or agreed directly or indirectly, with any other bidder, public employee, NWMC employee or any person, to fix the bid price submitted by bidder or any other bidder or that the bidder, its agents, owners, officers or employees have been convicted or pleaded nolo contendere to bribery, bid rigging, pricing, fixing, or defrauding, a unit of local government in violation of Section 33E-3 or 33E-4 of the State of Illinois Criminal Code.

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Bidder Response Section

Delivery: Estimated delivery time required after receipt of order: _____ days. (Please be as accurate as possible.)

The SPC may accept the bid at any time within 45 days of bid opening and such acceptance shall bind the bidder to perform in accordance with the terms and conditions contained in or referenced in the invitation.

Prompt Payment Discount: _____% 30 calendar days after receipt of shipment or properly executed invoice voucher, whichever is received later.

Federal Employer Identification Number _____

Certification by Bidder

By submitting a signed bid (unsigned bids will not be considered) the bidder certifies that he or she:

a. Has read and understands the requirements of the invitation for bids and offers to provide the requested goods and services, and

b. Is not barred from being awarded a contract or subcontract under section 10.1 or 10.3 of the Illinois Purchasing Act (see IL. Statues 30 ILCS 505/10.1 and 30ILCS 505/10.3. Nor is it barred from contracting with unit of state or local government as a result of a violation of section 33e-4 of the criminal code of 1961 (see IL. Statues 720 ILCS 5/33e3 and 720 ILCS 5/33-e4).

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Please Note: You must sign this bid in ink. Please provide all of the information requested.

The undersigned acknowledges and agrees that each of the certifications shall be incorporated into and made part of the Request for Proposal agreement, contract, amendment, renewal or other similar document to which these certifications are attached.

Bidder or Firm: _____

Bid Submitted by (signature in ink): _____

Title: _____

Street Address: _____

City, State, Zip Code: _____

Telephone Number: _____

(*) ( ) Check here if billing is to be made from address other than one shown and type or print same in the blanks:

_____

_____

_____

Note: Please provide a telephone number that the SPC may use to contact your firm:

(Phone):_____(Fax): _____

Please print contact person's name: _____

Email address: _____

The SPC contact awarded vendor agrees to submit the pricing enclosed herein to any unit of local government submitting a bid. This means that if a municipality/township submits a separate bid to the dealer, the dealer must quote the SPC price. In addition, the dealer must inform the unit of local government that the dealer is the SPC approved vendor.

Exceptions to this policy must be approved by the SPC.

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2016 SPC Lane Marking
Estimated Quantities by Municipality

Municipality	4' LF	6' LF	12' LF	24' LF	L&S SF	Removal SF
Arlington Heights	60,000.00	6,000.00	25,000.00	1,000.00	4,000.00	
Barrington	600.00	2,300.00		450.00	100.00	800.00
Bensenville	24,833.00		56.00		10,411.00	300.00
Bloomingdale	26,000.00	17,000.00			650.00	650.00
Burr Ridge	10,000.00	2,400.00		600.00	200.00	
Carol Stream	42,000.00	8,200.00	2,500.00	600.00	1,600.00	100.00
Des Plaines	3,000.00	11,500.00	1,200.00	3,600.00	500.00	3,500.00
Downers Grove	50,000.00	6,000.00	700.00	900.00	3,000.00	
LaGrange	4,875.00	2,933.00	1,681.00	1,428.00	340.80	
Lake Forest	117,380.66	11,030.00	5,312.00	1,658.00	616.00	
Oak Forest	19,950.00	1,500.00	1,400.00	350.00	410.00	410.00
Park Ridge	10,744.00	10,143.00	4,956.00	2,770.00	1,291.00	
Rolling Meadows	2,000.00	3,600.00	2,100.00	630.00	110.00	
Roselle	10,000.00	2,500.00	500.00	200.00	500.00	500.00
Streamwood	10,000.00	8,000.00	500.00	500.00	300.00	
Vernon Hills	11,300.00	6,705.00	700.00	450.00	1,509.00	
West Chicago	28,000.00	4,000.00	2,000.00	1,000.00	500.00	15,833.00
Wilmette	52,205.00	9,900.00	4,850.00	955.00	212.00	445.00
TOTALS	**482,887.66**	**113,711.00**	**53,455.00**	**17,091.00**	**26,249.80**	**22,538.00**

Suburban Purchasing Cooperative
Request for Proposal #158
2016 Thermoplastic Road Marking Program

2016 SPC Lane Marking
Schedule of Prices

			Bidder Agrees to Furnish Price	
Item	**Estimated Quantity**	**Unit**	**Unit Price**	**Total**
4" Thermoplastic Pavement Marking Line	482,887.66	LF		$
6" Thermoplastic Pavement Marking Line	113,.711.00	LF		$
12" Thermoplastic Pavement Marking Line	53,455.00	LF		$
24" Thermoplastic Pavement Marking Line	17,091.00	LF		$
Thermoplastic Pavement Marking Letters & Symbols	26,249.80	SF		$
Thermoplastic Pavement Marking Removal	22,538.00	SF		$
Bidder's Total				**$**

Submitted by:

_____ _____
Print Company Name

_____
Print Name & Title

_____
Authorized Signature Date

Suburban Purchasing Cooperative
Request for Proposal #158
2016 Thermoplastic Road Marking Program

Addendum A

Vendor References
Bidding vendor shall provide five (5) references from current purchasers

Reference #1	
Company Name	
Contact Name	
Address	
Telephone	
Email	
Annual Contract $	
Reference #2	
Company Name	
Contact Name	
Address	
Telephone	
Email	
Annual Contract $	
Reference #3	
Company Name	
Contact Name	
Address	
Telephone	
Email	
Annual Contract $	
Reference #4	
Company Name	
Contact Name	
Address	
Telephone	
Email	
Annual Contract $	
Reference #5	
Company Name	
Contact Name	
Address	
Telephone	
Email	
Annual Contract $	

Suburban Purchasing Cooperative
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Addendum B

Vendor Qualifications

(Attach additional pages as needed)

List employees who will be dedicated to the Suburban Purchasing Cooperative (SPC) Program:

Name	
Position	
# of Years	
Responsibility/Experience	
Task	
Name	
Position	
# of Years	
Responsibility/Experience	
Task	
Name	
Position	
# of Years	
Responsibility/Experience	
Task	
Name	
Position	
# of Years	
Responsibility/Experience	
Task	
Name	
Position	
# of Years	
Responsibility/Experience	
Task	

Suburban Purchasing Cooperative
Request for Proposal #158
2016 Thermoplastic Road Marking Program

Vendor Qualifications

Provide number of years in business _____

The contractor shall provide the annual sales amount for the last completed fiscal year:

$_____

The contractor shall provide their Dunn & Bradstreet (D&B) number: _____

If no D&B number is available, please attach either a recent D&B Company Profile Report or an equivalent.

Is your firm MBE Certified? _____ **(Y or N)** Is your firm WBE Certified? _____ **(Y or N)**

The SPC does not provide any price preference to Minority Business (MBE) or Women Owned Business (WBE) firms, but does encourage participation of those firms.

Please list any value added services:

_____

_____

_____

_____

_____

_____

_____

_____

Suburban Purchasing Cooperative
Request for Proposal #158
2016 Thermoplastic Road Marking Program

Sub-Contractor Information
(If applicable)
(Attached additional pages as needed)

Name:_____

Address:_____

Years in Business: _____

Years Used by Contractor: _____

Is your firm MBE Certified? _____ (Y or N) Is your firm WBE Certified? _____ (Y or N)

Services Provided by Sub-Contractor:

_____

_____

_____

_____

_____

Name:_____

Address:_____

Years in Business: _____

Years Used by Contractor: _____

Is your firm MBE Certified? _____ (Y or N) Is your firm WBE Certified? _____ (Y or N)

Services Provided by Sub-Contractor:

_____

_____

_____

_____

_____

DIVISION 700. WORK ZONE TRAFFIC CONTROL AND PROTECTION, SIGNING, AND PAVEMENT MARKING

SECTION 701. WORK ZONE TRAFFIC CONTROL AND PROTECTION

701.01 Description. This work shall consist of the furnishing, installation, maintenance, relocation, and removal of work zone traffic control and protection.

701.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Sign Posts, Metal (Note 1)	1093.01(a)
(b) Sign Posts, Wood (Note 2)	1007.05
(c) Pavement Marking Tape	1095.06

Note 1. Galvanizing of metal posts will not be required.

Note 2. The nominal size of wood posts shall be 4 x 4 in. (100 x 100 mm).

CONSTRUCTION REQUIREMENTS

701.03 Equipment. Equipment shall be according to the following.

Item	Article/Section
(a) Signs	1106.01
(b) Flagger Traffic Control Paddle	1106.01
(c) Lights	1106.02
(d) Cones	1106.02
(e) Type I, II, and III Barricades	1106.02
(f) Vertical Barricades	1106.02
(g) Vertical Panels	1106.02
(h) Direction Indicator Barricades	1106.02
(i) Drums	1106.02
(j) Flexible Delineators	1106.02
(k) Truck Mounted/Trailer Mounted Attenuators	1106.02
(l) Arrow Boards	1106.02
(m) Portable Changeable Message Signs	1106.02
(n) Sign Trailers	1106.02
(o) Temporary Rumble Strips	1106.03

701.04 General. Work zone traffic control and protection shall be according to the traffic control plan and the MUTCD.

The traffic control shown on the plans represents the minimum required combination of traffic control devices needed for a particular construction operation. Conditions created by the Contractor's operation which are not covered by the plans shall be delineated by devices as directed by the Engineer at no additional cost to the Department. Revisions or modifications of the traffic control shall have the Engineer's written approval.

Traffic control shall be installed sequentially in the direction of the traffic flow and removed in reverse order. Advance warning signs shall be erected prior to channelizing devices and shall remain until all devices have been removed from the pavement.

The traffic control shall remain in place only as long as needed and shall be removed when directed by the Engineer. Signs that do not apply to current conditions shall be removed, covered, or turned from the view of motorists. All existing pavement markings which conflict with the revised traffic pattern shall be removed according to Section 783.

At the preconstruction conference, the Contractor shall furnish the name and telephone number of the individual in the Contractor's direct employ who is to be responsible, 24 hours-a-day, for the installation and maintenance of traffic control for the project. When the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the Engineer at the time of the preconstruction conference. This shall not relieve the Contractor of furnishing a responsible individual in the Contractor's direct employ. The Department will provide the Contractor with the name of its representative who will be responsible for administration of the traffic control.

701.05 Maximum Length of Lane Closure. The maximum length of lane closure on multilane highways shall not exceed one day's production or 3 miles (5 km), whichever is less, except lane closures up to 5 miles (8 km) in length will be permitted for portland cement concrete patching and continuously reinforced concrete patching operations. Gaps between successive lane closures shall not be less than 2 miles (3 km) in length.

701.06 Minimum Lane Width. The minimum lane width adjacent to a closed lane during paving, patching, and other moving operations on freeways and expressways shall be a minimum of 10 ft (3 m). The 10 ft (3 m) shall be clear, unobstructed, and free of channelizing devices or other obstacles.

Where the clear width through a work zone with temporary concrete barrier will be 16.0 ft (4.88 m) or less, the Contractor shall notify the Engineer at least 21 days in advance of implementing the traffic control for that restriction.

701.07 Drop-offs. The maximum allowable differential in elevation between adjacent open traffic lanes shall be 1 1/2 in. (40 mm) for a vertical milled face, or 2 in. (50 mm) for a lift of HMA resurfacing.

When HMA resurfacing is being constructed and the road is opened to traffic, there shall be no more than 4 lane miles (6.5 lane km) of new binder or surface adjacent to the shoulder without either completing the shoulders, providing barricades or vertical panels, erecting “LOW SHOULDER” signs at 2 mile (3 km) intervals, or constructing a temporary earth wedge against the edge of pavement and compacting it to the satisfaction of the Engineer.

At locations where construction operations result in a differential in elevation exceeding 3 in. (75 mm) between the edge of pavement or edge of shoulder within 3 ft (900 mm) of the edge of the pavement and the earth or aggregate shoulders, Type I or II barricades or vertical panels shall be placed at 100 ft (30 m) centers on

roadways where the posted speed limit is 45 mph or greater and at 50 ft (15 m) centers on roadways where the posted speed limit is less than 45 mph.

Where construction operations result in a temporary drop-off at the edge of a completed stabilized shoulder and the road has a posted speed limit of 55 mph or greater and is open to traffic, "SHOULDER DROP-OFF" (W21-I103) signs shall be used. The Contractor shall place the signs at the beginning of the drop-off area, just beyond freeway interchanges or major intersections on non-freeways, and at such other locations within the drop-off area as the Engineer may direct to ensure a nominal spacing of 2 miles (3 km). The signs shall be placed just prior to the work which will result in the drop-off and shall remain in place until the drop-off is eliminated.

On ramps, drop-offs at the edge of pavement greater than 1 1/2 in. (40 mm) caused by the Contractor's operations will be allowed only on one side of the ramp at a time.

701.08 Contractor's Operations and Equipment. The Contractor shall keep all equipment, material, and vehicles off the pavement and shoulders on the side of the pavement which is open to traffic. Except where controlled by flaggers, the Contractor shall operate vehicles and equipment in the direction of traffic while traveling and working on the pavement and shoulders of a two-lane two-way highway. On a multilane highway, the Contractor shall operate vehicles and equipment in the direction of traffic while traveling and working on the pavement and shoulders.

Excavation for construction on both sides of the pavement at any one location at the same time will not be permitted. At any location on existing pavements less than three lanes in width, the sequence of construction shall limit operations to one side of the pavement.

701.09 Use of Median Crossovers. The Contractor will be permitted to make "U" turns across the median at existing maintenance crossovers or crossovers constructed by the Contractor, provided the width of the crossover is adequate to ensure no disruption of traffic on the through lanes and at locations permitted by the Engineer. The use of median crossovers will not be permitted within 1320 ft (400 m) of the speed change taper of an interchange ramp, within 2000 ft (600 m) of the taper for a lane closure, or when the construction traffic will be entering or exiting the only open lane within a construction zone. Crossovers shall also conform to minimum sight distance requirements.

While the crossover is being used, two signs shall be placed in the median and two signs shall be placed opposite on the outside shoulder of the highway in advance of the crossover on the side where trucks enter the highway. The first pair, approximately 1000 ft (300 m) from the crossover, shall be 48 in. (1.2 m) "MERGE RIGHT" signs. The second pair, approximately 1500 ft (450 m) from the crossover, shall be 48 in. (1.2 m) "TRUCKS ENTERING ON LEFT" signs. The warning signs in advance of the crossover in the other direction shall be as listed above, except the second pair shall be "TRUCKS LEAVING ON LEFT".

701.10 Surveillance. When open holes, broken pavement, trenches over 3 in. (75 mm) deep and 4 in. (100 mm) wide or other hazards are present within 8 ft (2.4 m) of the edge of an open lane, the Contractor shall furnish traffic control

surveillance during all hours when the Contractor is not engaged in construction operations. The surveillance person(s) shall be provided with adequate transportation and communications to ensure deficiencies can be corrected. The surveillance person(s) shall drive over and inspect the work, maintain the temporary traffic control devices, and assist and direct traffic, at such intervals as may be required, not to exceed four hours. The person responsible for surveillance shall complete an inspection form, furnished by the Engineer, on a daily basis. The completed form shall be given to the Engineer on the first working day after the inspection.

701.11 Equipment Parking and Storage. During working hours, all vehicles and/or nonoperating equipment which are parked, two hours or less, shall be parked at least 8 ft (2.5 m) from the open traffic lane. For other periods of time during working and for all nonworking hours, all vehicles, materials, and equipment shall be parked or stored a minimum of 30 ft (9 m) from the pavement when the project has adequate right-of-way. When adequate right-of-way does not exist, vehicles and materials shall be located at least 15 ft (4.5 m) from the edge of any pavement open to traffic, unless located behind temporary concrete barrier, temporary bridge rail, or other man-made or natural barriers. Temporary barriers erected for protection by the Contractor shall meet the approval of the Engineer.

Any unattended obstacle or excavation (not patching) in the work area which constitutes a hazard in the opinion of the Engineer, shall be delineated by devices at 50 ft (15 m) centers. If the hazard exceeds 250 ft (75 m) in length, the spacing of devices may be increased to 100 ft (30 m).

When not being utilized to inform and direct traffic, sign trailers, arrow boards, and portable changeable message boards shall be treated as nonoperating equipment.

701.12 Personal Protective Equipment. All personnel on foot, excluding flaggers, within the highway right-of-way shall wear a fluorescent orange, fluorescent yellow/green, or a combination of fluorescent orange and fluorescent yellow/green vest meeting the requirements of ANSI/ISEA 107-2004 for Conspicuity Class 2 garments. Other types of garments may be substituted for the vest as long as the garments have a manufacturer’s tag identifying them as meeting the ANSI Class 2 requirement.

701.13 Flaggers. All flaggers shall be certified by an agency approved by the Department. While on the job site, each flagger shall have in his/her possession a current driver’s license and a current flagger certification I.D. meeting Department requirements. For non-drivers, the Illinois Identification Card issued by the Secretary of State will meet the requirement for a current driver’s license. This flagger certification requirement may be waived by the Engineer for emergency situations that arise due to actions beyond the Contractor's control where flagging is needed to maintain safe traffic control on a temporary basis.

The signaling methods used by flaggers shall comply with those contained in the Department's “Flagger Handbook”.

Flaggers shall be stationed to the satisfaction of the Engineer and be equipped with a fluorescent orange, fluorescent yellow/green, or a combination of fluorescent

orange and fluorescent yellow/green vest meeting the requirements of ANSI/ISEA 107-2004 for Conspicuity Class 2 garments and flagger traffic control paddles. The longitudinal placement of the flagger may be increased up to 100 ft (30 m) from that shown on the plans to improve the visibility of the flagger. Flaggers shall not encroach on the open lane of traffic unless traffic has been stopped.

For nighttime flagging, flaggers shall be illuminated by an overhead light source providing a minimum vertical illuminance of 10 fc (108 lux) measured 1 ft (300 mm) out from the flagger's chest. The bottom of any luminaire shall be a minimum of 10 ft (3 m) above the pavement. Luminaire(s) shall be shielded to minimize glare to approaching traffic and trespass light to adjoining properties.

Nighttime flaggers shall be equipped with a fluorescent orange or fluorescent orange and fluorescent yellow/green vest meeting the requirements of ANSI/ISEA 107-2004 for Conspicuity Class 3 garments.

Flaggers shall be provided per the traffic control plan and as follows.

(a) Two Lane Highways. Two flaggers will be required for each separate operation where two-way traffic is maintained over one lane of pavement. Work operations controlled by flaggers shall be no more than 1 mile (1600 m) in length. Flaggers shall be in sight of each other or in direct communication at all times. Direct communication shall be obtained by using portable two-way radios or walkie-talkies.

An additional flagger will be required at each side road within the operation where two-way traffic is maintained on one lane of pavement.

(b) Multilane Highways. At all times where traffic is restricted to less than the normal number of lanes on a multilane pavement with a posted speed limit greater than 40 mph and the workers are present, but not separated from the traffic by physical barriers, a flagger shall be furnished to support the workers and to warn and direct traffic. One flagger will be required for each separate activity of an operation that requires frequent encroachment in a lane open to traffic.

Flaggers will not be required when no work is being performed, unless there is a lane closure on two-lane, two-way pavement.

701.14 Signs. When work operations exceed four days, signs shall be post mounted unless the signs are located on the pavement or define a moving or intermittent operation. When approved by the Engineer, temporary sign supports may be used where posts are impractical. When post mounting is not required, either temporary sign supports or sign trailers may be used.

Post mounted signs shall be a breakaway design. The sign shall be within five degrees of vertical. Two posts shall be used for signs greater than 16 sq ft (1.5 sq m) in area or where the height between the sign and the ground exceeds 7 ft (2.1 m).

Signs on temporary supports shall meet the requirements of NCHRP Report 350 or MASH. Documentation of meeting the requirements shall be the FHWA letter stating acceptance of the sign support system for the required test level. The signs

shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support as per the manufacturer's specifications.

Sign trailers, when erected, shall have their tires resting on the ground or elevated a maximum of 6 in. (150 mm) above the ground. Weights used to stabilize the trailer shall be sandbags mounted a maximum of 12 in. (300 mm) above the ground. To prevent wind induced rolling of the trailer, the wheels shall be chocked with sandbags or the trailer tongue may be pinned. The pinning method shall be designed to give way in the event of a vehicular impact and shall meet the approval of the Engineer.

The sign trailer shall only be attached to its tow vehicle when the sign is actually being moved. The tow vehicle, when not attached to the trailer, shall be parked according to Article 701.11.

Longitudinal dimensions shown on the plans for the placement of signs may be increased up to 100 ft (30 m) to avoid obstacles, hazards, or to improve sight distance, when approved by the Engineer.

(a) "ROAD CONSTRUCTION AHEAD" Signs. "ROAD CONSTRUCTION AHEAD" signs shall be erected on all side roads located within the limits of the mainline "ROAD CONSTRUCTION AHEAD" signs.

(b) Work Zone Speed Limit Signs. Work zone speed limit sign assemblies shall be provided and located as shown on the plans. Two additional assemblies shall be placed 500 ft (150 m) beyond the last entrance ramp for each interchange or sideroad.

All permanent "SPEED LIMIT" signs located within the work zone shall be removed or covered. This work shall be coordinated with the lane closure(s) by promptly establishing a reduced posted speed zone when the lane closure(s) are put into effect and promptly reinstating the posted speed zone when the lane closure(s) are removed.

The work zone speed limit signs and end work zone speed limit signs shown in advance of and at the end of the lane closure(s) shall be used for the entire duration of the closure(s).

The work zone speed limit signs shown within the lane closure(s) shall only be used when workers are present in the closed lane adjacent to traffic. The sign assemblies shown within the lane closure(s) will not be required when the worker(s) are located behind a concrete barrier wall.

701.15 Traffic Control Devices. The number, type, color, size, and placement of traffic control devices shall be according to the traffic control plan, the MUTCD, and the Department's "Quality Standard for Work Zone Traffic Control Devices". Work shall not begin until the Engineer has determined the devices meet the quality requirements.

For devices that must meet FHWA crashworthiness standards, the Contractor shall provide a manufacturer's self-certification letter for each Category 1 device and a FHWA acceptance letter for each Category 2 and Category 3 device used on the

contract. The letter(s) shall state the device has been accepted by FHWA for its respective category and test level, and shall include a detailed drawing of the device. The set-up and use of certified/accepted devices shall be the same as that described in the letter.

All devices shall be kept clean. Any device which has become ineffective due to damage or defacement shall be replaced.

Devices having angled striping shall be oriented with the stripes sloping down toward the side on which traffic will pass. Lights on devices shall be mounted on the side of the device on which traffic shall pass and shall not obscure any reflectorized portion of the device.

Where more than one type of device is permissible, only one type of device shall be used within that individual run of devices or lane closure taper.

Additional requirements for the use of specific devices are as follows.

(a) Cones. Cones are used to channelize traffic during daylight operations. Reflectorized cones are for nighttime operations, but shall only be used when specified in the plan or when approved by the Engineer.

(b) Type I, II, and III Barricades. Type I and Type II barricades are used to channelize traffic; to delineate unattended obstacles, patches, excavations, drop-offs, and other hazards; and as check barricades.

Type I barricades are for use on roads with normal posted speeds of 40 mph or less. However, they may be used on higher speed roads provided the reflective area of the upper rail is at least 2 sq ft (0.18 sq m).

Type III barricades are used to close lanes and to close roads.

(c) Vertical Barricades. Vertical barricades are used to channelize traffic, as well as to delineate unattended obstacles, patches, excavations, drop-offs, and other hazards. Vertical barricades shall not be used in lane closure tapers or as check barricades.

(d) Vertical Panels. Vertical panels are used to channelize traffic and to delineate unattended excavations and drop-offs.

(e) Direction Indicator Barricades. Direction indicator barricades are used in lane closure tapers.

(f) Drums. Drums are used to channelize traffic and to delineate unattended obstacles, patches, excavations, drop-offs, and other hazards.

(g) Flexible Delineators. Flexible delineators are used to channelize traffic. They shall only be used when specified.

(h) Truck Mounted/Trailer Mounted Attenuators (TMA). TMA units shall have a roll ahead distance in the event of an impact. The TMA shall be between

100 and 200 ft (30 and 60 m) behind the vehicle ahead or the workers. This distance may be extended by the Engineer.

TMA host vehicles shall have the parking brake engaged when stationary.

The driver and passengers of the TMA host vehicle should exit the vehicle if the TMA is to remain stationary for 15 minutes or more in duration.

(i) Arrow Boards. Arrow boards are used to warn motorists of an upcoming lane closure. Arrow boards shall not be used to direct passing moves into lanes used by opposing traffic or to shift traffic without having a lane change.

On roads with normal posted speeds of 45 mph and above, Type C units shall be used for all operations 24 hours or more in duration, and Type B units may be used for operations less than 24 hours in duration. On roads with normal posted speeds less than 45 mph, Type A, B, or C units may be used for all operations.

(j) Portable Changeable Message Signs. These signs shall be furnished, placed, and maintained according to the traffic control plan and as directed by the Engineer.

The Contractor shall supply the modem, the cellular phone, and the necessary software to run the sign from a remote computer at a location designated by the Engineer. The Contractor shall promptly program and/or reprogram the computer to provide the messages as directed by the Engineer.

The Contractor shall provide all preventive maintenance efforts deemed necessary to achieve uninterrupted service. If service is interrupted for any cause and not restored within 24 hours, the Engineer will cause such work to be performed as may be necessary to provide this service and the cost of such work will be deducted from compensation due or which may become due the Contractor under the contract.

(k) Temporary Rumble Strips. Temporary rumble strips shall be placed snugly against one another and attached to the pavement with an adhesive meeting the recommendations of the rumble strip manufacturer.

701.16 Lights. Lights shall be used on devices as required in the traffic control plan and the following table.

Circumstance	Lights Required
Daylight operations	None
First two warning signs on each approach to the work involving a nighttime lane closure	Flashing mono-directional lights
Devices delineating isolated obstacles, excavations, or hazards at night. (Does not apply to patching)	Flashing bi-directional lights
Devices delineating obstacles, excavations, or hazards exceeding 100 ft (30 m) in length at night. (Does not apply to widening)	Steady burn bi-directional lights
Channelizing devices for nighttime lane closures on two-lane roads	Steady burn bi-directional lights.
Channelizing devices for nighttime lane closures on multi-lane roads	Steady burn mono-directional lights
Devices in nighttime lane closure tapers	Steady burn mono-directional lights
Devices delineating a widening trench	None
Devices delineating patches at night on roadways with an ADT less than 25,000	None
Devices delineating patches at night on roadways with an ADT of 25,000 or more	Steady burn mono-directional lights

Batteries for the lights shall be replaced on a group basis at such times as may be specified by the Engineer.

701.17 Specific Construction Operations. Additional requirements for specific construction operations shall be as follows.

(a) Portland Cement Concrete Shoulders. Portland cement concrete shoulders shall be opened to traffic according to Article 701.17(c)(5).

(b) Base Course.

(1) Aggregate Base Course. The road or any section 1 mile (1.6 km) or more in length shall be opened to local traffic immediately after it has been completed.

(2) Soil-Cement Base Course. The finished soil-cement base course may be opened immediately to local traffic and to the Contractor's construction equipment. The base may be opened to all traffic after the seven day protection period, provided the base course is not damaged, marred, or distorted by such traffic, and provided the protection and cover specified in Article 352.13 is not impaired.

(c) Surface Courses and Pavement. Where construction operations on two-lane roads open to traffic result in the removal or covering of any pavement striping indicating passing restrictions, "NO PASSING ZONES NOT STRIPED NEXT _ MILES" signs shall be used. The Contractor shall place the signs at the beginning of the unstriped area, just beyond each major intersection within the unstriped area, and at other locations as directed by the Engineer to ensure a minimum spacing of 5 miles (8 km). The signs shall be placed just prior to removal or covering of the striping and shall remain in place until full no passing zone striping has been restored.

(1) Prime Coat. "FRESH OIL" (W21-2) signs shall be erected when prime and fine aggregate are applied to pavement that is open to traffic. The signs shall remain until tracking of the prime ceases as directed by the Engineer. The signs shall be erected a minimum of 500 ft (150 m) preceding the start of the prime.

(2) Cold Milling. "ROUGH GROOVED SURFACE" (W8-I107) signs shall be erected when the road has been cold milled and opened to traffic. The signs shall be placed just prior to the cold milling operation and shall remain in place until the milled surface condition no longer exists. These signs shall be erected a minimum of 500 ft (150 m) preceding the start of the milled pavement, just before each major intersection within the milled area, and at other locations as directed by the Engineer. The signs shall have an amber flashing light attached.

(3) HMA Binder and Surface Course. The road shall be kept open to traffic on the existing pavement or on the new work. During the actual cleaning of the pavement and the placing of the mixture for cracks, joints and flangeways, prime coat, leveling binder, binder and surface courses, one-way traffic will be permitted. At all other times, two-way traffic will be allowed to use the road.

(4) Bituminous Surface Treatment. The surface may be opened to traffic as soon as it has cured sufficiently to prevent the material from being picked up by the wheels of vehicles passing over it.

(5) Portland Cement Concrete Pavement. When the curing period for the pavement, according to Article 1020.13, has been completed and the joints have been sealed, as required in Article 420.12, and protective coat, when required, is applied, the Engineer will determine when the pavement shall be opened to traffic. The earliest the pavement will be opened to traffic will be when test specimens according to Article 1020.09 have attained a flexural strength of 650 psi (4,500 kPa) or a compressive strength of 3500 psi (24,000 kPa). If such tests are not conducted, the pavement shall not be opened to traffic until 14 days after the concrete is placed or until 28 days when fly ash or ground granulated blast-furnace slag is used in the concrete mixture. Prior to opening to traffic, the pavement shall be cleaned. The Contractor may request additional test specimens be made and tested if the Contractor wishes to open the pavement to traffic earlier than the normal testing frequency. All traffic including construction traffic shall be limited to legal axle weights (legal loads).

(d) Structures.

(1) Concrete Superstructures. Concrete superstructures shall be opened to traffic according to Article 503.20.

(2) Box and Pipe Culvert Extensions. Box culvert and pipe culvert extensions shall be delineated with barricades until the backfill over the extensions is complete and no longer poses a hazard to traffic.

(3) Storm Sewers Jacked in Place. The construction operations shall be carried on without encroachment upon the traveled way by either the excavation or by the storage of equipment or materials. When open cut excavation encroaches upon the shoulder, the excavation shall be delineated according to Article 701.11.

(4) Bridge Washing. The entire bridge roadway and roadways below shall be kept open to traffic at all times, other than when actual work is being performed. While actual work is being performed, one-half the roadway may be closed to traffic at the option of the Contractor. One-way traffic shall be permitted over the other half of the roadway if the bridge roadway is less than 40 ft (12.2 m) in width. Two-way traffic shall be permitted over the other half of the roadway if the bridge roadway width is 40 ft (12.2 m) or more between curbs. Traffic control devices shall be as specified for each bridge.

(e) Pavement Patching.

(1) Keeping Road Open to Traffic. Traffic shall be permitted to use the road at all times and construction operations shall be arranged to facilitate the movement of traffic. On two-lane roadways, construction operations shall be confined to one traffic lane. On four-lane roadways, construction operations shall be confined to one traffic lane in each direction.

In addition to the traffic control and protection shown elsewhere in the contract for multi-lane pavement, two devices shall be placed immediately in front of each open patch, open hole, and broken pavement where temporary concrete barriers are not used to separate traffic from the work area. One device shall be placed at the edge of the open traffic lane and one device centered in the closed lane. A check barricade shall be placed in the middle of the closed lane and the adjacent shoulder at 1000 ft (300 m) centers.

(2) Broken Pavement and Open Holes.

a. Multilane Roadways. Prior to weekend or holiday periods, pavement broken and holes opened for patching shall be completed and the road fully opened. For HMA patching or when Class PP-2, PP-3, or PP-4 concrete is specified, no broken pavement, open holes, or partially filled patches shall remain overnight and all devices shall be removed before dark.

The total area of pavement broken and not removed for concrete patching shall not exceed 1/2 of the total area of broken pavement which can be removed in an average day's work. The total area of holes left open overnight for concrete patching shall not exceed 1/2 of the pavement area which can be replaced in an average day's work. No materials removed from patches shall remain on the right-of-way overnight.

b. Two Lane Roadways and Ramps. No broken pavement, open holes, or partially filled patches shall remain overnight and all devices shall be removed before dark.

If patches are not opened when required, additional traffic control shall be provided at no additional cost to the Department.

(3) Opening Road to Traffic.

a. Cleaning Up. Prior to opening the pavement to traffic, the entire right-of-way adjacent to the patching operations shall be cleared of all materials caused by the Contractor's operations, and the backfill along the shoulder edge of the pavement shall be compacted.

b. Strength Tests. For patches constructed with Class PP-1 concrete, the pavement may be opened to traffic when test specimens have obtained a minimum flexural strength of 600 psi (4,150 kPa) or a minimum compressive strength of 3200 psi (22,100 kPa) according to Article 1020.09.

For patches constructed with Class PP-2, PP-3, PP-4, or PP-5 concrete, the pavement may be opened to traffic when test specimens have obtained a minimum flexural strength of 250 psi (1725 kPa) or a minimum compressive strength of 1600 psi (11,000 kPa) according to Article 1020.09. However, the concrete mixture shall obtain a minimum flexural strength of 600 psi (4150 kPa) or a minimum compressive strength of 3200 psi (22,100 kPa) in the time specified in Table 1 of Article 1020.04.

With the approval of the Engineer, concrete strength may be determined according to Illinois Modified AASHTO T 325.

(f) Guardrail. Where guardrail is temporarily removed or where the guardrail installation is incomplete, devices shall be placed at 50 ft (15 m) centers.

On staged construction bridge projects, the parapets shall have the guardrail installed and attached prior to switching traffic.

Guardrail removal and/or installation shall be scheduled so no installations are left unfinished when the work is suspended for the winter or other extended periods of time.

701.18 Highway Standards Application. Standards for work zone traffic control shall be applied according to the traffic control plan. Additional requirements for specific Standards shall be as follows.

(a) Standard 701006, 701011, and 701101. When the work operation requires four or more work vehicles enter through traffic lanes in a one hour period, a flagger shall be provided and a “FLAGGER” sign shall be substituted for the “WORKER” sign.

(b) Standard 701316 and 701321. The exact location of the signals, detector loops, stop bars, and signs shall be as directed by the Engineer. The locations shall also be adjusted as required for staged construction.

The Engineer shall be notified at least 72 hours in advance of placing the signals in operation and at least one week prior to a traffic lane width reduction.

Any damage to the temporary traffic signals from any cause shall be repaired at no additional cost to the Department. If at any time the Contractor fails to perform any work deemed necessary by the Engineer to keep the temporary traffic signals in proper operating condition, the Department reserves the right to have other electrical Contractors perform the needed work, and the cost will be deducted from compensation due or which may become due the Contractor under the contract.

(1) Standard 701316. During daytime operations when workers are present, the Engineer may allow Type I or Type II barricades to be placed parallel to the centerline. Cones may be substituted for barricades at half the barricade spacing during the daytime operations.

(2) Lane Closure on Two-Way, Two-Lane Rural Road. The Contractor shall furnish, install, maintain, and remove temporary traffic signals including a traffic actuated controller, a cabinet, detector amplifiers, and other associated equipment as listed below and on Standards 701316 and 701321 for each location specified. The Contractor shall have available one spare controller and cabinet. The Contractor shall retain ownership of all traffic control equipment, miscellaneous accessories, and the installation methods shall be according to the following.

a. Traffic Signal Heads. Two signal heads shall be provided for each mainline approach and for each sideroad within the designated work area. All signal faces shall have new lamps when installed. When the signals are not operating, the signal head shall be hooded according to Article 880.03 and the "SIGNAL AHEAD" sign covered or removed. The left signal head shall be mounted at a height of 10 ft (3.1 m) above the road surface measured to the bottom of the signal head. The right signal head shall be mounted at a height of 14 ft (4.3 m) above the road surface. Back plates will be required on all signals.

The right signal head shall be aimed so the centers of the light beams of the indications are directed toward a point in the center of

the approach lane 500 ft (150 m) in advance of the signal. The left indication shall be aimed at a point in the center of the approach lane 100 ft (30 m) in advance of the stop line.

b. Lenses. All lenses shall be 12 in. (300 mm) nominal diameter.

c. Wire and Cable. The Contractor shall supply all overhead and underground wiring for both signal circuits and loop detector lead-ins. The electric cable shall be aerially suspended, at a minimum height of 8 ft (2.5 m) and as close to the right-of-way line as possible. When the electric cable crosses a roadway or entrance, it shall be aerially suspended, at a minimum height of 18 ft (5.5 m), according to the local utility requirements, or placed in a trench with a minimum of 2 in. (50 mm) of cover, or protected in a manner approved by the Engineer.

d. Mounting. The controller shall be mounted on a post, pole, or temporary concrete foundation. The signal heads shall be mounted on 25 ft (7.5 m) standard tubular steel posts or on a minimum Class 4 wood pole, when overhead wiring is used between signals. Alternative methods of mounting the cabinet or signal heads shall be approved by the Engineer. The supports shall be kept in a vertical position for the duration of the project.

e. Service Installation. The Contractor shall be responsible for the installation and cost of 110 V electrical service. When the service cable from the controller to the power source is suspended overhead, the line height shall not be less than 8 ft (2.5 m) above the ground and located as close to the right-of-way lines as practicable. When the cable crosses a roadway or entrance, the cable shall be raised to a minimum height of 18 ft (5.5 m) or pass under the pavement through a culvert opening. Portable power generating equipment may be used for a short period of time until local power is available, provided at least one person is present at all times at the site to ensure proper operation.

f. Traffic Signal Controller.

1. The controller shall be a standard eight phase NEMA controller housed in a weather proof cabinet. The traffic signals shall dwell in All-Red. The long All-Red intervals shall be adjustable up to 99 seconds in one second increments. Long All-Red intervals shall be obtained by using a trail green feature or an equivalent, or by using dummy phases. The long All-Red interval shall be pre-empted if the previous movement is detected before the conflicting movement is detected and shall cause the previous movement to return to the green display with a minimum four second delay. When a conflict or failure is detected, the signal shall display a flashing All-Red. When an additional phase is used for a side road movement, only one long red interval shall be used between active phases on each side of the work area.

All devices used, in lieu of controller software to produce this sequence, shall be mounted within the cabinet but not within the controller. The Contractor shall provide an operational demonstration of the controller assembly for the Engineer subsequent to installation and prior to being placed into operation. The Contractor shall program the controller, trouble shoot, and correct any problems that arise, and verify the equipment is functioning according to the contract. If any controller malfunction occurs during the time of operation or in the event of a power failure, the Contractor shall, without delay, provide flaggers for traffic control and immediately install a replacement controller to operate the signals.

2. When specified, the Department will furnish the traffic actuated controller. The controller, complete with loop detector-amplifiers and pole mount cabinet, shall be picked up and returned upon completion of the project to the location designated on the plans. The Contractor shall provide notice to the Department at least two weeks in advance of requiring the traffic actuated controller. The Contractor shall be responsible for maintenance of the controller and all related equipment within the controller cabinet. The controller shall be inspected by the Contractor and Engineer subsequent to installation and prior to being placed into operation. Any malfunction of the Department owned equipment revealed during the inspection by the Contractor shall be repaired and will be paid for according to Article 109.04. The Contractor shall be responsible for any damage to the Department-owned equipment as a result of negligence or poor workmanship during installation at his/her expense. The Contractor shall provide all maintenance required, at his/her expense, to keep the Department-owned equipment functioning properly after being placed in operation.

g. Detector Loops. Three detector loops shall be installed on each approach as shown on the plans. The near detector loops shall be placed 12 in. (300 mm) from the centerline and the far loop shall be placed 12 in. (300 mm) from the edge line. Each loop shall be connected to a separate detector amplifier channel. Call delay feature shall be used for the loops nearest the stop lines and defeated during the green of that phase. An alternate method of detection may be used if it has been demonstrated and approved by the Department.

The loop detector lead-in cable shall be protected from construction and maintenance activities. In the event of detector loop failure, the Contractor shall have 48 hours to repair or replace the loops. Upon completion of the project, the detector loop shall be terminated in such a manner as to provide for future use.

(c) Standard 701326. No paving or excavating operations shall be performed at night unless authorized by the Engineer.

(d) Standard 701336. Two flaggers shall be required for each separate construction operation. The flagger shall be a minimum of 200 ft (60 m) and a maximum distance of 1/2 day's operation beyond the flagger sign and a minimum of 100 ft (30 m) in advance of the work party.

Under restricted sight distance conditions, additional devices may also be required for distances less than 2000 ft (600 m) at the discretion of the Engineer.

During periods when workers are present all work areas shall be delineated by cones or barricades along the centerline.

(e) Standards 701400, 701401, 701406, 701421, 701422, and 701446.

(1) General. When Standards 701401 and 701422 are specified for overnight operations, cones may be substituted for barricades or drums at half the spacing during day operations.

(2) Multilane Pavement Resurfacing. For the construction of binder course, surface course and shoulder resurfacing on multilane pavements, Standards 701401, 701406, 701421, 701422, or 701446 shall be used from the beginning of business on Monday to 4:30 p.m. on Friday. Only Standards 701406 and 701421 shall be used from 4:30 p.m. Friday to start of business on Monday.

(3) Shoulder Upgrading and Replacement. The following shall apply to shoulder pipe underdrain installation and/or shoulder reconstruction on existing multilane divided highways.

The Contractor shall close the adjacent lane of pavement according to the Standards within the limits of the construction zone a) when required by the Contractor's operations and b) when no workers are present and the difference in elevation between the pavement and the shoulder and/or widening is greater than 12 in. (300 mm).

Standards 701401 and 701422 will only be measured for payment where the average depth of shoulder reconstruction required by the plans, exclusive of any trench for pipe underdrain installation, is in excess of 3 in. (75 mm). Where such shoulder reconstruction is 3 in. (75 mm) or less, no open trench greater than 3 in. (75 mm) deep will be permitted overnight. If, because of unforeseen circumstances, an open trench greater than 3 in. (75 mm) deep should occur overnight, the Contractor shall, at no additional cost to the Department, close the adjacent traffic lane according to Standards 701400 and 701401 or according to Standard 701422.

Excavations greater than 3 in. (75 mm) in depth between the pavement and shoulder, including any trenches within the shoulder area, shall be restricted to one shoulder in each direction of travel. In addition,

shoulder drop-offs greater than 1 1/2 in. (40 mm) caused by the Contractor's operations will not be permitted over the winter shutdown.

The Contractor shall schedule the work so the lane closure at any one work area does not exceed five working days. The closure time may be exceeded for conditions beyond the Contractor's control, except if continual and persistent closures in excess of the five working days are made, the Engineer will initiate measures to delay or limit the daily production of the Contractor's operations.

All debris shall be removed from the shoulder and right-of-way prior to the removal of barricades, drums, or vertical panels.

(f) Standard 701416. A reflective solid edge line and yellow centerline for each direction of traffic shall be used when the closure time exceeds four days or when the normal posted speed outside the area of operations exceeds 50 mph. Reflectorized pavement marking tape shall be used for marking the edge lines and centerline on existing pavement. Either tape or reflectorized pavement marking paint may be used for markings on the paved crossovers. Raised reflective pavement markers at 25 ft (8 m) centers shall be installed for additional delineation.

Vertical panels may be attached to concrete barriers where available space prohibits the use of drums.

(g) Standard 701431. Reflective solid edge lines and a double yellow centerline shall be used when the closure time exceeds four days or when the normal posted speed outside the area of operations exceeds 50 mph. Reflectorized pavement marking tape shall be used for marking the centerline and edge lines on the existing pavement. Raised reflective pavement markers at 25 ft (8 m) centers shall be installed under good weather conditions to supplement the pavement marking tape. All existing pavement markings which conflict with the revised traffic pattern shall be removed.

Devices no greater than 24 in. (600 mm) wide, may be used in place of flexible delineators when the two-way operation is to be in place four days or less.

(h) Standard 701426. Truck mounted attenuators will not be required for any vehicle traveling entirely on a completed shoulder.

(i) Standard 701411. This Standard shall supplement mainline traffic controls for lane closures.

The channelizing devices shall clearly define a path for motorists entering or exiting the highway.

Raised reflectorized pavement markers at 25 ft (8 m) centers may be used in lieu of tape where the pavement marking is to be placed adjacent to the barricades or drums.

Art. 701.18 Work Zone Traffic Control and Protection

(j) Urban Traffic Control, Standards 701501, 701502, 701601, 701602, 701606, 701701, and 701801.

(1) General. "NO PARKING" signs shall be installed throughout the work area.

When the work area is in the parking lane and parking exists during work hours, "ROAD CONSTRUCTION AHEAD" or "ROAD WORK AHEAD" signs shall be installed 200 ft (60 m) in advance of the work area and the area shall be delineated with cones or barricades.

Reflectorized temporary pavement marking tape shall be placed throughout the taper and along side the adjacent work area where the closure time exceeds 14 days. The edge line shall be yellow for left lane closures.

(2) Standard 701501. When Standard 701501 is specified on two-lane/two-way roadways, construction operations shall be confined to one traffic lane leaving the opposite lane open to traffic.

(3) Standard 701606. When Standard 701606 is specified reflective pavement markings shall be used when the closure time exceeds four days. The double yellow centerline shall be used in the two-way traffic area in addition to the barricades or drums. Single yellow left edge line shall be used to outline the barricade island. White right edge line shall be used along the barricades delineating the work area.

(4) Standard 701801. On Standard 701801, where a temporary walkway encroaches on an existing parking lane, the lane shall be closed with cones, barricades, or drums.

Where a temporary walkway encroaches on a traveled lane, the lane shall be closed according to Standards 701501, 701606, or 701601.

All walkways shall be clearly identified, protected from motor vehicle traffic and free of any obstructions and hazards, such as holes, debris, construction equipment, and stored materials.

All hazards near or adjacent to walkways shall be clearly delineated.

When barricades are impractical to use or do not provide enough protection, orange safety fence shall be used to close off an area, with the approval of the Engineer.

(k) Standard 701451. Only one interchange at a time may have ramps closed and only one exit ramp and one entrance ramp may be closed at a time.

701.19 Method of Measurement. This work will be measured for payment as follows.

(a) Not Measured. Traffic control and protection required under Standards 701001, 701006, 701011, 701101, 701106, 701301, 701311, 701400, 701426, and 701427 will not be measured for payment.

(b) Standards 701401, 701422, and 701446 will be measured for payment on an each basis only when the traffic control and protection applies to isolated stationary work areas and does not involve or is not a part of other protected areas.

Where the contract work to be performed requires longitudinal movement of the work area, each subsequent installation of a Standard in a new location will be paid for according to Article 109.04. A contiguous lateral movement of the work area causing a change in the location of traffic control devices, but not a longitudinal relocation of the work area, will not be considered a new location or installation.

(c) Measured As Lump Sum. Traffic control and protection required under Standards 701201, 701206, 701306, 701326, 701336, 701406, 701421, 701451, 701456, 701501, 701502, 701601, 701602, 701606, 701701 and 701801 will be measured for payment on a lump sum basis. Traffic control and protection required under Standards 701401, 701422, and 701446 will be measured for payment on a lump sum basis, except as specified under Article 701.19(b). Where the Contractor's operations result in daily changing, or two or more work areas each of which requires traffic control according to one of the above Standards, each work area installation will not be paid for separately, but shall be included in the lump sum price for the type of protection furnished.

(d) Traffic Control Surveillance will be measured on a calendar day basis.

(e) Temporary rumble strips will be measured as each, where each is defined as a 25 ft (8 m) length installation.

(f) Removal of existing pavement markings and raised reflective pavement markers will be measured for payment according to Article 783.05.

701.20 Basis of Payment. This work will be paid for as follows.

(a) Traffic control and protection will be paid for at the contract unit price per each for TRAFFIC CONTROL AND PROTECTION STANDARD 701316, TRAFFIC CONTROL AND PROTECTION STANDARD 701321, TRAFFIC CONTROL AND PROTECTION STANDARD 701331, TRAFFIC CONTROL AND PROTECTION STANDARD 701401, TRAFFIC CONTROL AND PROTECTION STANDARD 701402, TRAFFIC CONTROL AND PROTECTION STANDARD 701411, TRAFFIC CONTROL AND PROTECTION STANDARD 701416, TRAFFIC CONTROL AND PROTECTION STANDARD 701422, TRAFFIC CONTROL AND

PROTECTION STANDARD 701423, TRAFFIC CONTROL AND PROTECTION STANDARD 701431, or TRAFFIC CONTROL AND PROTECTION STANDARD 701446, at the location specified.

The replacement of any temporary pavement marking which has been in place for seven days or more will be paid for according to Article 109.04.

In the event the total value of the work items for which a traffic control Standard is required is increased or decreased by more than ten percent, the unit price bid for that Standard will be adjusted as follows.

Adjusted unit price = $0.25P + 0.75P\ (1 \pm (X - 0.1))$

Where: P is the bid unit price for the Standard

Where: $X = \left| \frac{\text{Difference between original and final value of work}}{\text{Original value of work requiring the use of the Standard}} \right|$

And where: $(X - 0.1) = 0$ if X is less than 0.1

The value of the work items used in calculating the increase or decrease will include only items which have been added to or deducted from the contract under Article 104.02 and only items which require use of the Standard.

When the plans require multiple locations for the Standard and the Method of Measurement is on an each basis, the adjustment shall only be applied to the location(s) where added work is required.

(b) Traffic control and protection indicated in Article 701.19(c) will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION STANDARD 701201; TRAFFIC CONTROL AND PROTECTION STANDARD 701206; TRAFFIC CONTROL AND PROTECTION STANDARD 701306; TRAFFIC CONTROL AND PROTECTION STANDARD 701326; TRAFFIC CONTROL AND PROTECTION STANDARD 701336; TRAFFIC CONTROL AND PROTECTION STANDARD 701401; TRAFFIC CONTROL AND PROTECTION STANDARD 701406; TRAFFIC CONTROL AND PROTECTION STANDARD 701421; TRAFFIC CONTROL AND PROTECTION STANDARD 701422; TRAFFIC CONTROL AND PROTECTION STANDARD 701446; TRAFFIC CONTROL AND PROTECTION STANDARD 701451; TRAFFIC CONTROL AND PROTECTION STANDARD 701456; TRAFFIC CONTROL AND PROTECTION STANDARD 701501; TRAFFIC CONTROL AND PROTECTION STANDARD 701502; TRAFFIC CONTROL AND PROTECTION STANDARD 701601; TRAFFIC CONTROL AND PROTECTION STANDARD 701602, TRAFFIC CONTROL AND PROTECTION STANDARD 701606; TRAFFIC CONTROL AND PROTECTION STANDARD 701701; or TRAFFIC CONTROL AND PROTECTION STANDARD 701801.

Any alterations (additional or replacement of temporary pavement markings, or increases or decreases in work items by more than ten percent for which

a traffic control standard is required) will be paid for according to Article 701.20(a).

(c) Temporary signals required for Standards 701316 and 701321 will be paid for separately at the contract unit price per each for TEMPORARY BRIDGE TRAFFIC SIGNALS.

When the Department furnishes the controller for Standards 701316 or 701321 the temporary bridge traffic signals will be paid for at the contract unit price per each for TEMPORARY BRIDGE TRAFFIC SIGNALS (STATE FURNISHED CONTROLLER).

(d) Temporary concrete barrier will be measured and paid for according to Section 704.

(e) Temporary impact attenuators and temporary bridge rail will be paid for separately.

(f) Temporary rumble strips will be paid for at the contract unit price per each for TEMPORARY RUMBLE STRIPS.

(g) Traffic Control Surveillance will be paid for at the contract unit price per calendar day or fraction thereof for TRAFFIC CONTROL SURVEILLANCE.

(h) When portable changeable message signs are shown on the Standard, this work will not be paid for separately but shall be considered as included in the cost of the Standard.

For all other portable changeable message signs, this work will be paid for at the contract unit price per calendar month for each sign as CHANGEABLE MESSAGE SIGN.

(i) Should the Engineer require additional signs, flaggers, barricades, or other traffic control devices over and above those specified, they will be paid for according to Article 109.04.

When the Contractor requests a change in the traffic control, any additional flaggers required will be at no additional cost to the Department.

(j) Removal of existing pavement markings and raised reflective pavement markers will be paid for according to Article 783.06.

SECTION 702. NIGHTTIME WORK ZONE LIGHTING

702.01 Description. This work shall consist of furnishing, installing, maintaining, moving, and removing lighting for nighttime work zones. Nighttime shall be defined as occurring shortly before sunset until after sunrise.

702.02 Materials. The lighting shall consist of mobile and/or stationary lighting systems as required herein for the specific type of construction. Mobile lighting systems shall consist of luminaires attached to construction equipment or moveable carts. Stationary lighting systems shall consist of roadway luminaires mounted on temporary poles or trailer mounted light towers at fixed locations. Some lighting systems, such as balloon lights, may be adapted to both mobile and stationary applications.

702.03 Equipment. The Contractor shall furnish an illuminance meter for use by the Engineer. The meter shall have a digital display calibrated to NIST standards, shall be cosine and color corrected, and shall have an accuracy of ± five percent. The sensor shall have a level indicator to ensure measurements are taken in a horizontal plane.

CONSTRUCTION REQUIREMENTS

702.04 General. At the preconstruction conference, the Contractor shall submit the type(s) of lighting system to be used and the locations of all devices.

Before nighttime construction may begin, the lighting system shall be demonstrated as being operational.

702.05 Nighttime Flagging. The requirements for nighttime flagging shall be according to Article 701.13 and the glare control requirements contained herein.

702.06 Lighting System Design. The lighting system shall be designed to meet the following.

(a) Lighting Levels. The lighting system shall provide a minimum of 5 foot candles (54 lux) throughout the work area. For mobile operations, the work area shall be defined as 25 ft (9 m) in front of and behind moving equipment. For stationary operations, the work area shall be defined as the entire area where work is being performed.

Lighting levels will be measured with an illuminance meter. Readings will be taken in a horizontal plane 3 ft (1 m) above the pavement or ground surface.

(b) Glare Control. The lighting system shall be designed and operated so as to avoid glare that interferes with traffic, workers, or inspection personnel. Lighting systems with flood, spot, or stadium type luminaires shall be aimed downward at the work and rotated outward no greater than 30 degrees from nadir (straight down). Balloon lights shall be positioned at least 12 ft (3.6 m) above the roadway.

As a large component of glare, the headlights of construction vehicles and equipment shall not be operated within the work zone except as allowed for specific construction operations. Headlights shall never be used when facing oncoming traffic.

(c) Light Trespass. The lighting system shall be designed to effectively light the work area without spilling over to adjoining property. When, in the opinion of the Engineer, the lighting is disturbing adjoining property, the Contractor shall modify the lighting arrangement or add hardware to shield the light trespass.

702.07 Construction Operations. The lighting design required above shall be provided at any location where construction equipment is operating or workers are present on foot. When multiple operations are being carried out simultaneously, lighting shall be provided at each separate work area.

The lighting requirements for specific construction operations shall be as follows.

(a) Installation or Removal of Work Zone Traffic Control. The required lighting level shall be provided at each truck and piece of equipment used during the installation or removal of work zone traffic control. Headlights may be operated in the work zone.

(b) Milling and Paving. The required lighting level shall be provided by mounting a minimum of one balloon light to each piece of mobile construction equipment used in the work zone. This would include milling machines, mechanical sweepers, material transfer devices, spreading and finishing machines, and rollers; but not include trucks used to transport materials and personnel or other vehicles that are continuously moving in and out of the work zone. The headlights of construction equipment shall not be operated within the work zone.

(c) Patching. The required lighting level shall be provided at each patching location where work is being performed.

(d) Pavement Marking and Raised Reflective Pavement Marker Removal/Installation. The striping truck and the attenuator/arrow board trucks may by operated by headlights alone; however, additional lighting may be necessary for the operator of the striping truck to perform the work.

For raised reflective pavement marker removal and installation and other pavement marking operations where workers are on foot, the required lighting level shall be provided at each truck and piece of equipment.

(e) Layout, Testing, and Inspection. The required lighting level shall be provided for each active area of construction layout, material testing, and inspection. The work area shall be defined as 15 ft (7.6 m) in front and back of the individual(s) performing the tasks.

702.08 Basis of Payment. This work will be paid for at the contract lump sum price for NIGHTTIME WORK ZONE LIGHTING.

SECTION 703. WORK ZONE PAVEMENT MARKING

703.01 Description. This work shall consist of furnishing, installing, maintaining, and removing short term and temporary pavement markings.

703.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Pavement Marking Tape	1095.06
(b) Paint Pavement Markings	1095.02

CONSTRUCTION REQUIREMENTS

703.03 General. Short term pavement markings shall consist of abbreviated patterns for edge, lane, and centerline markings. Within a specified time limit, short term pavement markings shall either be resurfaced or replaced with the full pavement marking patterns indicated on the plans with either a temporary material paid for as temporary pavement marking or with permanent material. Within the conditions as specified, the Contractor may be required to place all or a part of the quantities shown on the plans for short term pavement markings and temporary pavement markings.

The surface to which the pavement marking is to be applied shall be clean and dry. Pavement marking tape shall be applied to the prepared surface according to the manufacturer's recommendations or by a method approved by the Engineer. Painted lines shall be installed according to Section 780, except hand-operated stripers may be used for all applications of short term and temporary pavement marking.

703.04 Short Term Pavement Markings. Before the lane is opened to traffic, appropriate short term pavement markings shall be installed between all lanes open to traffic. Centerline or lane line markings shall consist of an abbreviated pattern of single stripes 4 ft (1.2 m) in length and a minimum of 4 in. (100 mm) wide at a maximum spacing of 40 ft (12 m) between stripes. Centerlines on two-lane highways shall be yellow and lane lines separating two or more lanes of traffic moving in the same direction shall be white. Edge line markings shall consist of 4 ft (1.2 m) stripes on 100 ft (30 m) centers installed at approximately a 45 degree diagonal pointing in the direction of traffic. Edge line markings will only be required on multilane divided highways and other highways with a paved shoulder greater than 4 ft (1.2 m) wide. Markings on the final wearing surface shall be transversely offset from the permanent pavement marking location as directed by the Engineer. Markings shall be removed within five days after the permanent pavement markings are installed.

The short term pavement markings shall be replaced with the required full standard pavement markings consisting of either temporary or permanent pavement marking as soon as possible. Except as indicated below, temporary pavement marking or the permanent pavement markings shall be installed for no passing zones within three calendar days and for all other markings within 14 calendar days, respectively, after the completion of any intermediate or final surface treatment. This time restriction shall begin at the completion of each intermediate or final lift on resurfacing projects.

If the existing markings are obliterated by milling or any other surface treatment, the time restriction shall begin when the entire surface has been treated. These restrictions may be delayed by the Engineer whenever the Contractor cannot apply pavement markings due to unanticipated inclement weather (other than winter shutdown on the project), strike activities, or other circumstances beyond the Contractor's control as determined by the Engineer. In these cases, the required full standard temporary or permanent markings shall be installed as soon as construction activities are resumed. Prior to winter shutdown, standard edge lines, lane lines, centerlines, no passing zones, and any other necessary markings as determined by the Engineer shall be installed on any intermediate or final surface remaining open to traffic during the winter shutdown period.

703.05 Temporary Pavement Marking. When any intermediate course cannot be overlaid or if the final surface cannot be permanently marked within the time restrictions listed above, the full standard markings shall be installed with temporary pavement marking. The temporary markings shall be of the same color and dimensions as shown on the plans for the permanent markings, or as directed by the Engineer.

Type I or Type II marking tape or paint shall be used at the option of the Contractor, except paint shall not be applied to the final wearing surface unless authorized by the Engineer for late season applications where tape adhesion would be a problem. Type III marking tape shall be used on the final wearing surface when the temporary pavement marking will conflict with the permanent pavement marking such as on tapers, crossovers and lane shifts.

Except during winter shutdown periods, temporary pavement marking showing deterioration for any reason within seven days after placement, shall be replaced by the Contractor. Temporary pavement markings which are in conflict with subsequently established pavement markings, or which interfere with the permanent pavement markings, shall be removed. Marking tape or paint placed on the final wearing course shall be transversely offset from the permanent pavement marking planned location as directed by the Engineer. All remaining temporary pavement marking tape or paint shall be removed within five working days after placement of the permanent pavement marking. When edge lines or channelizing lines are required, they shall be continuous. When continuous sections of tape are used, they shall be cut completely through at intervals of approximately 25 ft (8 m).

Instead of pavement markings, no passing zones on two-lane and three-lane roads may be identified by either the pennant “NO PASSING ZONE” warning sign or both the “DO NOT PASS” and “PASS WITH CARE” regulatory signs in conjunction with short term markings for periods of time up to three calendar days after an intermediate or final lift is completed on resurfacing projects.

These signs may also be used in lieu of pavement markings on low volume roads until it is practical and possible to install the permanent pavement markings.

If, in the traffic control plan, the road is specified as low volume, it is exempt from the requirements regarding no passing zone pavement markings.

703.06 Method of Measurement. Short term pavement markings and temporary pavement markings of the various line widths will be measured for payment in feet (meters) in place and accepted. Double yellow lines will be measured as two separate lines.

The replacement of temporary pavement markings of the various line widths during winter shutdown periods will be measured for payment in feet (meters) as specified above, except only those pavement markings directed by the Engineer to be replaced will be measured for payment.

Letters and symbols used in conjunction with temporary pavement marking conforming to the sizes and dimensions specified will be measured for payment in square feet (square meters) according to the areas listed in Table 1, Section 780.

Short term and temporary pavement marking removal will be measured for payment in square feet (square meters).

703.07 Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for SHORT TERM PAVEMENT MARKING or for TEMPORARY PAVEMENT MARKING of the line width specified, and at the contract unit price per square foot (square meter) for TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS. Removal will be paid for at the contract unit price per square foot (square meter) for WORK ZONE PAVEMENT MARKING REMOVAL.

When temporary pavement marking is shown on the Standard, the cost of the temporary pavement marking will be included in the cost of the Standard.

When Pavement Marking Tape, Type III is specified in the contract other than on a Standard, the work will be paid for at the contract unit price per foot (meter) for PAVEMENT MARKING TAPE, TYPE III of the line width specified and at the contract unit price per square feet (square meter) for PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS.

SECTION 704. TEMPORARY CONCRETE BARRIER

704.01 Description. This work shall consist of furnishing, placing, maintaining, relocating, and removing precast concrete barrier at temporary locations.

704.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Precast Temporary Concrete Barrier	1042
(b) Reinforcement Bars (Note 1)	1006.10(a)
(c) Connecting Pins and Anchoring Pins	1006.09
(d) Connecting Loop Bars (Note 2)	
(e) Packaged Rapid Hardening Mortar or Concrete	1018

Note 1. Reinforcement bars shall be Grade 60 (Grade 400).

Note 2. Connecting loop bars shall be smooth bars according to the requirements of ASTM A 36.

CONSTRUCTION REQUIREMENTS

704.03 General. Precast concrete barrier shall be the F shape as detailed on the plans.

704.04 Installation. The barriers shall be seated on bare, clean pavement or paved shoulder and pinned together in a smooth, continuous line at the exact locations provided by the Engineer. The barrier unit at each end of the installation shall be secured to the pavement or paved shoulder using six anchoring pins and protected with an impact attenuator as shown on the plans.

Barriers or attachments damaged during transportation or handling, or by traffic during the life of the installation, shall be repaired or replaced. The Engineer will be the sole judge in determining which units or attachments require repair or replacement.

The barriers shall be removed when no longer required by the contract. After removal, all anchoring holes in the pavement or paved shoulder shall be filled with a rapid hardening mortar or concrete. Only enough water to permit placement and consolidation by rodding shall be used and the material shall be struck-off flush.

704.05 Method of Measurement. This work will be measured for payment in feet (meters) in place along the centerline of the barrier. When the barrier is relocated within the limits of the jobsite, the relocated barrier will be measured for payment in feet (meters) in place along the centerline of the barrier.

704.06 Basis of Payment. When the Contractor furnishes the barrier, this work will be paid for at the contract unit price per foot (meter) for TEMPORARY CONCRETE BARRIER or RELOCATE TEMPORARY CONCRETE BARRIER.

When the Department furnishes the barrier, this work will be paid for at the contract unit price per foot (meter) for TEMPORARY CONCRETE BARRIER, STATE OWNED; or RELOCATE TEMPORARY CONCRETE BARRIER, STATE OWNED.

Impact attenuators will be paid for separately.

SECTION 705. TEMPORARY STEEL PLATE BEAM GUARDRAIL

705.01 Description. This work shall consist of furnishing, erecting, maintaining, and removing steel plate beam guardrail, including posts and traffic barrier terminals.

705.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Steel Plate Beam Guardrail	1006.25
(b) Wood Posts and Wood Blockouts	1007.01, 1007.02, 1007.06
(c) Steel Posts, Blockouts, Restraints, and Wire Rope for Guardrail	1006.23
(d) Preservative Treatment	1007.12
(e) Hollow Structural Tubing	1006.27(b)

CONSTRUCTION REQUIREMENTS

705.03 General. Construction of the temporary steel plate beam guardrail and temporary traffic barrier terminals shall be according to the applicable requirements of Sections 630 and 631, respectively.

The guardrail shall be removed after use and shall become the property of the Contractor.

705.04 Method of Measurement. Temporary steel plate beam guardrail will be measured for payment in feet (meters). The length measured will be the overall length of rail erected, measured along the top edge of the rail elements to the limits shown on the plans.

The various types of temporary traffic barrier terminals will be measured for payment complete in place in units of each. The pay limit between the terminal and the adjacent guardrail shall be as shown on the plans.

705.05 Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for TEMPORARY STEEL PLATE BEAM GUARDRAIL of the type specified and at the contract unit price per each for TEMPORARY TRAFFIC BARRIER TERMINAL, of the type specified.

SIGNING

SECTION 720. SIGN PANELS AND APPURTENANCES

720.01 Description. This work shall consist of furnishing, fabricating, and/or installing sign panels, complete with sign faces, legend, and supplemental panels.

720.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Sign Base	1090
(b) Sign Face, Sign Legend and Supplemental Panels	1091

The sign mounting support channel shall be manufactured from steel or aluminum.

Steel support channels shall be according to ASTM A 525 (mild strip) and Standard 720001 and shall be galvanized. Galvanizing shall be according to ASTM A 525, Coating Designation 90 when galvanized before forming and AASHTO M 232, Class B 2 when galvanized after forming.

Aluminum support channels shall be according to ASTM B 308M, Alloy 6061-T6 or ASTM B 221M, Alloy 6063-T6.

The stainless steel banding for mounting signs or sign support channels to light or signal standards shall be according to ASTM A 167 Type 302B, Grade 18-8 stainless steel.

720.03 General. The three types of individual panels are defined by surface area according to the following descriptions:

Type 1 – 9 sq ft (0.84 sq m) or less

Type 2 – Over 9 sq ft (0.84 sq m) and less than 24 sq ft (2.2 sq m)

Type 3 – 24 sq ft (2.2 sq m) or more

The surface area is determined by calculating the area of the smallest rectangle, measured from edge-to-edge (horizontally and vertically), that will circumscribe an individual sign, except in the case of a triangular sign. The area of a triangular sign shall be the net triangular area.

A sign panel assembly is composed of one or more sign panels mounted individually or as a group. The two types of sign panel assemblies are defined by the total surface area of the individual sign panels according to the following descriptions:

Type A assemblies are composed of Type 1 sign panels with a total sign panel area of 9 sq ft (0.84 sq m) or less.

Type B assemblies are composed of Type 1 or Type 2 sign panels with a total sign panel area over 9 sq ft (0.84 sq m).

Where any sign legend dimensions shown in the plans conflict with the sign legend manufacturer's recommendations, the dimensions shown in the plans or as determined by the Engineer shall govern.

The backs of all sign panels shall be metal stamped, engraved, etched, decal, or otherwise marked in a manner designed to last as long as the sign face material, in letters and numerals at least 3/8 in. (9.5 mm) but no more than 3/4 in. (19 mm) in height with the month and year of manufacture, the name of the sign manufacturer, and the initials IDOT.

When standard signs designated by letters and numbers are to be furnished, they shall be according to the MUTCD. Detailed drawings of signs with an "I" preceding the sign designation code are available from the Engineer of Operations. Detailed drawings of all other standard signs are available from the Federal Highway Administration (HTO-20), Washington, D.C. 20590.

CONSTRUCTION REQUIREMENTS

720.04 Installation. Sign panels shall be installed using all required supporting channels and mounting hardware specified.

All sheet aluminum sign panels and supporting panels shall be mounted to the sign posts or supporting channels with 5/16 in. (M8) stainless steel, zinc, or cadmium

plated steel hex head bolts with lock nuts. For design panels 9 sq ft (0.84 sq m) or greater in area, flat steel fender washers shall be placed next to the bolt head and the nut. A 1/8 in. (3 mm) thick nylon washer shall be placed between the metal washer and the sign face. For sign panels less than 9 sq ft (0.84 sq m) in area, standard steel flat washer shall be placed next to the bolt head and nut. A nylon washer shall be placed between the metal washer and the sign face.

Supporting channels shall be used to brace sign panels mounted permanently on:

(a) Single posts when the sign width is greater than 36 in. (900 mm).

(b) More than one post when the distance between the posts is greater than 4 ft (1.2 m).

Horizontal supporting channels used to brace individual signs shall be located using the mounting holes prepunched in the sign blank.

All bolts and nuts shall have National Coarse Thread (UNC).

When a Type 2 panel is to be installed above or below a Type 3 panel, all materials shall be the same as those used for the Type 3 panel. The Contractor shall use the same type of sign base material and sign legend throughout this work.

When the plans require auxiliary sign panels or route shields to be installed on a Type 3 sign panel, they shall be fabricated using a sign base according to Article 1090.01 and a sign face according to Article 1091.01.

720.05 Method of Measurement. Sign panels will be measured for payment in square feet (square meters) according to Article 720.03.

720.06 Basis of Payment. This work will be paid for at the contract unit price per square foot (square meter) for SIGN PANEL, of the type specified.

SECTION 721. SIGN PANEL OVERLAY

721.01 Description. This work shall consist of furnishing, and installing sign panel overlays, complete with reflectorized or nonreflectorized sign face and legend, on existing sign panels.

721.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Sign Base	1090
(b) Sign Face (Note 1)	1091
(c) Sign Legends (Note 2)	1091
(d) Overlay Panels (Note 3)	1090.02

Note 1. The sign face shall be Type A.

Note 2. The legend shall be Type A, except when black in color.

Note 3. The overlay panels shall be 0.08 in. (2 mm) thick.

CONSTRUCTION REQUIREMENTS

721.03 General. The existing sign shall be stripped of the sign legend, and the sign panel overlay and new legend shall be installed on the existing sign base. Ground-mounted sign panels may be taken down or the required work may be done in place. Any sign panel which is removed for overlaying shall be rigidly braced on the backside so the panel shall not flex and damage the overlay while being reinstalled. Sign panel hardware broken during removal of a sign panel shall be replaced.

The existing legend shall be completely removed, leaving no rivets protruding from the surface of the panel. The overlay shall be applied in vertical panels not more than 48 in. (1200 mm) nor less than 24 in. (600 mm) in width.

Adjacent panels shall be butt-joined with the spaces between joints 0.10 in. (2.5 mm) or less in width. No horizontal joints shall be used, except on sign panels over 12 ft (3.6 m) in height.

The panels shall be securely fastened to the sign with 3/16 in. (4.75 mm) aluminum dome head rivets with aluminum mandrels. All rivets shall be matched to the color of the overlay panel being installed. The rivets shall be placed at 12 in. (300 mm) centers or less along all four edges and in a vertical row down the center of the panel at 24 in. (600 mm) centers or less. The rivets shall be approximately 1/4 in. (6 mm) in from open edges. All rivets shall be placed in the area of the aluminum extrusion panel ridge to prevent dimples in the sign panel overlay.

The sign sizes and legend sizes shown in the plans shall be verified in the field by the Contractor. The replacement legend shall be the same size and shall be spaced the same as the existing sign. The Contractor shall be responsible for the correct spacing of any revised legend according to the general freeway signing practices.

Individual signs shall not be out of service for longer than 24 consecutive hours, subject to the following conditions and exceptions.

(a) No more than one advance guide sign of the sequence of signs on an approach to an interchange shall be out of service at any given time. (These signs are labeled "A" in the plans.)

(b) Signs labeled "B" may be out of service at the same time as any other signs.

(c) Signs labeled "C" are considered critical and shall be out of service no more than six consecutive hours and shall not be out of service when any "A" sign for the approach is also out of service.

721.04 Method of Measurement. The sign panel overlay will be measured for payment in square feet (square meters). The area used for measurement shall be the actual area of the sign panel overlay.

721.05 Basis of Payment. This work will be paid for at the contract unit price per square feet (square meters) for SIGN PANEL OVERLAY.

SECTION 722. DEMOUNTABLE SIGN LEGEND CHARACTERS AND ARROWS

722.01 Description. This work shall consist of furnishing demountable legend characters, arrows, symbols, and route shields and installing them on existing sign panels.

722.02 Materials. Materials shall be according to Article 1091.02 for sign legend specified for Type 3 sign panels.

CONSTRUCTION REQUIREMENTS

722.03 General. Each demountable legend unit shall be securely fastened to a previously prepared sign panel.

722.04 Basis of Payment. Demountable sign legend characters, arrows, symbols, and route shields will be paid for at the contract unit price per each for DEMOUNTABLE LEGEND CHARACTERS AND ARROWS. Borders, diagonals, periods, commas, hyphens, and apostrophes will not be paid for separately.

Auxiliary panels will be paid for according to Article 721.05.

SECTION 723. INSTALL EXISTING SIGN PANEL

723.01 Description. This work shall consist of installing an existing sign panel on a previously erected sign support(s) or sign structure.

CONSTRUCTION REQUIREMENTS

723.02 General. The existing sign panel shall be transported by the Contractor to the location specified in the contract and installed on the previously erected sign support(s) or sign structure according to the details shown in the plans or as directed by the Engineer.

723.03 Method of Measurement. This work will be measured for payment in square feet (square meters) according to Article 720.03.

723.04 Basis of Payment. This work will be paid for at the contract unit price per square foot (square meter) for INSTALL EXISTING SIGN PANEL.

SECTION 724. REMOVE AND RELOCATE SIGN PANEL AND SIGN PANEL ASSEMBLY

724.01 Description. This work shall consist of removing and relocating sign panels and sign panel assemblies with their supports.

724.02 Backfill. All holes left from the removal of supports shall be backfilled with suitable material approved by the Engineer. The surface of the filled hole shall be treated to match the surrounding area.

724.03 Removal. Removal shall be as follows.

(a) Sign Panel Assembly. The sign panel assembly shall be removed from the posts, the supporting channels and the entire support(s) shall be completely removed, and all items transported to the location specified in the contract. When the existing sign panel assembly to be removed is to be replaced by a new sign panel assembly, the new assembly shall be completely installed prior to removal of the existing assembly. Duplicate assemblies shall not exist for periods in excess of 24 hours

(b) Sign Panels. The sign panel shall be removed completely, including all hardware, and transported to the location specified in the contract.

724.04 Relocate. Relocation of sign panel assemblies and sign panels shall be as follows.

(a) Sign Panel Assembly. The sign panel assembly and supporting channels shall be installed or reinstalled on new sign supports using new mounting hardware according to the details shown in the plans. In no case shall the time between the removal of an existing sign panel assembly and its reinstallation be in excess of 45 minutes.

(b) Sign Panel. The sign panel shall be installed or reinstalled on previously erected sign supports or a sign structure using new mounting hardware according to the details shown in the plans or as directed by the Engineer. Any new sign support brackets or redrilling of existing brackets shall be provided when necessary. In no case shall the time between the removal of an existing sign panel and its reinstallation be in excess of two hours, unless authorized in writing by the Engineer.

724.05 State Furnished Signs. When signs are specified to be furnished on the project by the State, the signs will be made available to the Contractor's office upon written request. These signs will be delivered within one week of request and, upon delivery, will become the responsibility of the Contractor.

724.06 Method of Measurement. Sign Panel removal and relocating will be measured for payment in square feet (square meters) according to Article 720.03.

724.07 Basis of Payment. This work will be paid for at the contract unit price per each for REMOVE SIGN PANEL ASSEMBLY, of the type specified; and RELOCATE SIGN PANEL ASSEMBLY, of the type specified; and at the contract unit

price per square foot (square meter) for REMOVE SIGN PANEL, of the type specified; and RELOCATE SIGN PANEL, of the type specified.

SECTION 725. OBJECT MARKER

725.01 Description. This work shall consist of furnishing and installing an object marker Type 1, Type 2, or Type 3 on a previously erected support.

725.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Acrylic Plastic Prismatic Center-Mount Reflectors (Note 1)	1097.03
(b) Sign Base	1090
(c) Sign Face	1091

Note 1. Used on Type 1 or Type 2 object markers.

725.03 Basis of Payment. This work will be paid for at the contract unit price per each for OBJECT MARKER - TYPE 1, TYPE 2, or TYPE 3.

SECTION 726. MILE POST MARKER ASSEMBLY

726.01 Description. This work shall consist of furnishing and installing a milepost marker at the location specified in the plans.

726.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Sign Legend, Type 1	1091
(b) Metal Posts and Hardware for Highway Markers, Signs, and Delineators	1006.29
(c) Sign Face	1091

726.03 Basis of Payment. This work will be paid for at the contract unit price per each for MILE POST MARKER ASSEMBLY.

SECTION 727. SIGN SUPPORT – BREAKAWAY

727.01 Description. This work shall consist of furnishing and installing galvanized structural steel breakaway sign supports or galvanized hollow structural steel tubular breakaway sign supports and stub posts.

727.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Structural Steel	1006.04
(b) Structural Steel Supports	1093.01
(c) High Strength Steel Bolts, Nuts and Washers	1006.08(b)

Hollow structural steel tubing shall be according to ASTM A 500 (Grade B) or ASTM A 501.

All other structural steel shapes and plates shall be according to AASHTO M 270 (M 270M).

Shims shall be fabricated from stainless steel shim stock according to ASTM A 240 (A 240M), Type 302 or 304.

CONSTRUCTION REQUIREMENTS

727.03 General. Sign locations shall be staked by the Contractor and approved by the Engineer prior to installation of sign supports and structures.

The Contractor and the Engineer together shall determine the exact lengths required before ordering the supports to be fabricated.

Breakaway sign posts and breakaway tubular sign posts shall be according to the plans, and the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

The steel sign supports shall be fabricated and inspected according to Articles 505.03 through 505.05.

All fabrication shall be completed and ready for assembly before galvanizing. No punching or drilling shall be permitted after galvanizing.

The slot and 5/8 in. (16 mm) diameter hole in the web and the fuse plate bolt holes in the flange shall be made before galvanizing. The post flange shall be saw cut after galvanizing and bare metal surfaces shall be coated with an approved zinc solder or zinc-rich paint. These surfaces shall not be coated until the fuse plate is installed and all bolts fully tightened.

After fabrication, the post, fuse plate, base plate, and upper 6 in. (150 mm) minimum of the stub post shall be galvanized by the hot-dip process according to AASHTO M 111.

The sign supports shall be erected in a vertical position on stub posts previously cast into the foundations. The faces of the supports shall be flush with the sign throughout the contact area. The supports shall be plumbed and brought to final grade.

The top of the supports shall be set within 2 in. (50 mm) of, but not above, the top of the sign when installed at the height specified. When two or more sign supports are required for any sign, the supports shall be erected parallel to each other.

Shims may be used between the plates to level posts.

Posts shall be assembled to stubs with high strength bolts and washers as detailed on the plans.

The bolts in the base plate shall be tightened in a systematic order to the required torque.

Each bolt shall be loosened and tightened to the required torque in the same order as the initial tightening.

Threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

727.04 Welding. All welding shall be continuous and according to Article 505.04(q).

727.05 Tightening. All friction fuse bolts shall be tightened in the shop as approved by the Engineer and according to the current Specifications of Structural Joints using AASHTO M 164 (M 164M) bolts and one of the following methods.

(1) Turn-of-Nut Tightening
(2) Tightening by use of a Direct Tension Indicator

Tightening shall obtain the following minimum residual tension on each bolt.

Min. Residual Bolt Tension		Min. Residual Bolt Tension	
Bolt Dia.	lb (kN)	Bolt Dia.	lb (kN)
1/2 in. (M12) 5/8 in. (M16) 3/4 in. (M20)	12,050 (54) 19,200 (85) 28,400 (126)	7/8 in. (M22) 1 in. (M24) 1 1/8 in. (M27) 1 1/4 in. (M30)	39,250 (175) 51,500 (229) 56,450 (251) 71,700 (319)

727.06 Foundations. Sign support foundations shall be cast-in-place according to Section 503.

727.07 Method of Measurement. This work will be measured for payment in pounds (kilograms) of structural steel sign support erected in place.

The measurement of the structural steel shall be computed on the basis of the weight (mass) per foot (meter) of the support, multiplied by the combined length of the main posts and stub posts.

The measurement of the tubular steel shall be computed on the basis of the Post Weight (Mass) Calibration Table shown on the plans for the main posts installed, plus the weight (mass) of the stub posts.

No allowance will be made for the weight (mass) of the welds, either shop or field, and for the galvanizing. No deduction will be made for cuts, copes, or holes.

727.08 Basis of Payment. This work will be paid for at the contract unit price per pound (kilogram) for STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY or TUBULAR STEEL SIGN SUPPORT-BREAKAWAY.

Concrete foundations will be paid for according to Article 734.05

SECTION 728. TELESCOPING STEEL SIGN SUPPORT

728.01 Description. This work shall consist of furnishing and installing telescoping steel sign supports for ground-mounted signs utilizing a telescoping base section or a previously installed cast iron base.

728.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Structural Steel Supports, Telescoping	1093.01(c)

CONSTRUCTION REQUIREMENTS

728.03 General. The estimated length of a support includes the total length of all required sections. When two or more posts support the same sign, they shall be erected parallel to each other with the tops of the posts at the same elevation.

The sign locations shall be staked by the Contractor and approved by the Engineer prior to installation of the posts. The Contractor shall be responsible for the proper elevation, offset, and orientation of all signs as indicated in the plans or as directed by the Engineer.

When the support specified is too long, the Contractor may choose to cut the top section or telescope the top section farther into the base section. Any section cut shall have the cut end completely deburred.

When signs are to be placed on adjacent post sides and the posts have holes in only two opposite sides, the Contractor shall drill any additional holes necessary to the tolerances according to Article 1093.01(c).

The top section may be spliced. Splicing shall be done according to the plans and will only be permitted in the upper third of the top section. Only one splice per support will be permitted. The internal splice member shall be 1 3/4 x 1 3/4 in. (45 x 45 mm).

728.04 Installation Methods. Installation methods shall be as follows.

(a) Pavement Mount. Pavement mounted installation shall be used only in paved areas and shall consist of three sections as shown in the plans. The base sections may be installed before or after the paving operation, except a hole no greater than 6 in. (150 mm) in diameter shall be cut in the pavement.

Any pavement removed shall be neatly replaced around the base section with like material to the depth of the original pavement.

The 2 1/4 x 2 1/4 in. (57 x 57 mm) base section shall be driven by hand or mechanical means to a minimum depth of 34 in. (850 mm) measured from the pavement surface. The top of the base section shall be protected by a

suitable driving cap. When required by the Engineer, the earth around the support shall be compacted after driving.

The sleeve section shall be telescoped over the base section or may be driven with the base section as a unit. The tops of both sections shall be at the same elevation, with the bolt holes aligned.

The 2 x 2 in. (50 x 50 mm) top section shall be telescoped into the base section a minimum of 8 in. (200 mm) and a maximum of 12 in. (300 mm) and the three sections fastened together as shown in the plans.

(b) Ground Mount. Ground mounted installations shall consist of two sections as shown in the plans. The 2 1/4 x 2 1/4 in. (57 x 57 mm) base section shall be driven by hand or mechanical means to a minimum depth of 5 ft (1.5 m) measured from the ground line or as shown in the plans. The top of the base section shall be protected by a suitable driving cap. When required by the Engineer, the earth around the support shall be compacted after driving.

The 2 x 2 in. (50 x 50 mm) top section shall be telescoped into the base section a minimum of 8 in. (200 mm) and a maximum of 12 in. (300 mm) and the two sections fastened together as shown in the plans.

(c) Base Casting. Base casting shall consist of two sections as shown in the plans. The base section shall be 2 1/4 x 2 1/4 x 8 1/2 in. (57 x 57 x 216 mm). This section shall be inserted at least 6 3/4 in. (170 mm) into the base casting to form a shim into which the 2 in. (50 mm) section is placed. The top section shall be inserted at least 6 3/4 in. (170 mm) into the base casting. After the top section is in place, the installation shall be bolted together as shown in the plans.

728.05 Method of Measurement. This work will be measured for payment in feet (meters). The length measured will be the total length of all sections installed, except for any internal splice members and any telescoping of a top section more than 12 in. (300 mm) into a base section.

728.06 Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for TELESCOPING STEEL SIGN SUPPORT.

Payment for the base casting will be made according to Section 731.

SECTION 729. METAL POST

729.01 Description. This work shall consist of furnishing Type A and/or Type B metal posts, and installing them utilizing the direct burial method.

729.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Metal Post	1006.29

CONSTRUCTION REQUIREMENTS

729.03 General. The metal posts may be driven by hand or mechanical means to a minimum depth of 3.5 ft (1.0 m) for Type A or 4.0 ft (1.2 m) for Type B. The depths shall be measured from the ground line. The post shall be protected by a suitable driving cap and when required by the Engineer, the material around the post shall be compacted after driving.

Scratching, chipping, or other damage to the posts shall be avoided during handling and installation. If chips and/or scratches occur, the areas shall be recoated in the field by a method meeting the coating manufacturer's recommendations. Chips and scratches totaling more than five percent of the surface area of any one post and/or more than five percent of the surface area in any 1 ft (300 mm) segment of any one post shall be cause for rejection of the post.

When the post specified is too long, the Contractor may choose to cut the post to the required length or increase the embedment. Any post cut shall be installed with the cut end at the bottom.

729.04 Method of Measurement. The metal post will be measured for payment in feet (meters). The length to be measured shall be the total length installed as shown on the plans.

729.05 Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for METAL POST - TYPE A or TYPE B.

SECTION 730. WOOD SIGN SUPPORT

730.01 Description. This work shall consist of furnishing and installing wood sign supports for ground-mounted signs.

730.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.05
(b) Wood Sign Support	1007.05

CONSTRUCTION REQUIREMENTS

730.03 General. The support shall be modified to satisfy the breakaway requirements by drilling 1 1/2 in. (38 mm) diameter holes centered at 4 and 18 in. (100 and 450 mm) above the groundline and perpendicular to the centerline of the roadway.

When the support is too long, the Contractor may choose to dig the hole deeper or to cut the support to the required length. All cut ends shall become the tops of the supports, and shall be treated with a mixture of not less than five percent pentachlorophenol and petroleum solvent before the signs are mounted.

730.04 Installation. The support shall be installed in a vertical hole not exceeding 12 in. (300 mm) in diameter, and not less than 5 ft (1.5 m) deep. The support shall be centered in the hole with the 6 in. (150 mm) dimension parallel to the adjacent edge of pavement. The hole shall then be backfilled with CA 6, thoroughly tamped in 12 in. (300 mm) lifts.

At least 14 days after placing the sign assembly on the post, the Contractor shall inspect each installation, straightening and retamping around each post as required.

730.05 Method of Measurement. This work will be measured for payment in feet (meters). The length to be measured will be the total length installed. Any embedment over 6 in. (150 mm) beyond that shown in the plans will not be included for measurement.

730.06 Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for WOOD SIGN SUPPORT.

SECTION 731. BASE FOR TELESCOPING STEEL SIGN SUPPORT

731.01 Description. This work shall consist of furnishing and installing a base for a telescoping steel sign support.

731.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Base for Telescoping Sign Support	1093.02
(b) Hardware (Note 1)	1006.29(d)

Note 1. The anchor bolts, nuts, and washers shall be stainless steel.

731.03 Method of Measurement. Each base will be measured for payment as an individual unit complete in place.

731.04 Basis of Payment. This work will be paid for at the contract unit price per each for BASE FOR TELESCOPING STEEL SIGN SUPPORT.

SECTION 732. RESERVED

SECTION 733. OVERHEAD SIGN STRUCTURES

733.01 Description. This work shall consist of fabricating, furnishing, and erecting overhead sign structures, including supports, on previously prepared foundations.

733.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) High Strength Steel Bolts, Nuts, and Washers	1006.08(b)
(b) Fabric Bearing Pads	1082.01
(c) Overhead Sign Structures	1094

CONSTRUCTION REQUIREMENTS

733.03 Drawings. Two sets of shop fabrication drawings for each overhead sign structure shall be submitted to the Engineer for approval according to Article 505.03.

733.04 Fabrication. Structural steel shall be fabricated and inspected according to the applicable portions of Articles 505.04 and 505.05.

Aluminum shall be fabricated according to Article 1094.05 and the following. Thermal cutting will not be permitted. Holes and cuts in extruded alloys shall be made by mechanical methods (drilled, sawed, machined). All holes in castings or forgings shall be drilled from solid or formed and reamed for final fit. Damage to exposed aluminum surfaces producing an objectionable appearance, in the opinion of the Engineer, shall be cause for rejection. Cast or forged parts shall have all fins, flash, runner or riser remnants, or other irregularities removed. Tubing shall be seamless and uniform in quality and temper. Exterior and interior surfaces shall be clean, smooth, and free from slivers, laminations, cracks, or other defects.

733.05 Surface Treatment of Structural Steel Supports. Structural steel supports shall be hot dipped galvanized according to AASHTO M 111 after fabrication is completed.

733.06 Erection. Erection of all structural steel and structural aluminum shall be according to the applicable requirements of Article 505.08. High strength bolts, nuts, and washers shall be assembled and tightened according to Article 505.04(f)(2).

733.07 Wire Cloth. The void between the base plate and the foundation shall be enclosed according to the following requirements.

A stainless steel mesh 1/4 in. (6 mm) maximum opening with a minimum wire diameter of AWG No. 16 (1.5 mm) with a minimum 2 in. (50 mm) lap shall be installed to enclose the void between the base plate and the foundation. The stainless steel screen wire shall be formed to the shape of the base plate and fastened to the base plate with 3/4 in. (19 mm) stainless steel banding. The screen wire shall overlap and be fastened with a ring type connection.

733.08 Field Painting. Field painting for all exposed steel surfaces not galvanized shall be done according to the plans and the requirements of the latest paint system provisions for structural steel.

733.09 Method of Measurement. This work will be measured for payment as follows.

(a) Sign Structure - Span, Monotube, Cantilever, or Butterfly. Span and monotube sign structures will be measured for payment in feet (meters) from center to center of supports. Cantilever and butterfly sign structures will be measured for payment in feet (meters) from end of the unsupported end(s) to center of the support as shown on the plans. Measurement will include the end supports. For steel or aluminum, three dimensional space frame trusses, measurement will include the truss inspection grating inside the truss.

(b) Sign Structure - Bridge Mounted. Bridge mounted overhead sign structures will be measured for payment in feet (meters) of the overall length of the walkway.

(c) Sign Structure Walkway. The sign structure walkway will be measured for payment in feet (meters) of the overall length of the walkway, end to end.

733.10 Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for OVERHEAD SIGN STRUCTURE - SPAN, OVERHEAD SIGN STRUCTURE - CANTILEVER, OVERHEAD SIGN STRUCTURE - BUTTERFLY, OVERHEAD SIGN STRUCTURE - MONOTUBE, or OVERHEAD SIGN STRUCTURE - WALKWAY, of the type specified; or OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED.

SECTION 734. CONCRETE FOUNDATIONS FOR SIGN STRUCTURES

734.01 Description. This work shall consist of constructing a foundation for structural steel sign supports and overhead sign structures.

734.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Portland Cement Concrete	1020
(b) Grounding Electrodes	1087.01(b)
(c) Anchor Rods	1094.02
(d) Reinforcement Bars	1006.10(a)

CONSTRUCTION REQUIREMENTS

734.03 Installation. Concrete foundations of the type and size specified in the plans, shall be constructed according to the applicable requirements of Section 503 and the following.

Grounding electrodes shall be installed according to Section 806.

The anchor rods shall be firmly held in position by a template during the placing of the concrete.

(a) Spread Footing for Overhead Sign Structures. The footings shall be constructed according to the applicable requirements of Article 503.13. Conduit, when specified, shall be installed rigidly in place before the concrete is deposited. The top 4 in. (100 mm) of backfill material shall be topsoil suitable for seeding.

Backfill shall be placed around the footing prior to raising the structural steel support frames. It shall be placed in 4 in. (100 mm) lifts and shall be compacted to not less than 90 percent of the standard laboratory density according to AASHTO T 99 (Method C). Care shall be taken to prevent damage to the concrete. Backfill shall be brought level to the finished ground line. All areas disturbed by the Contractor's operations shall be seeded according to Section 250.

The top of the footing shall be finished level, and all exposed surfaces shall be finished according to Article 503.15(a).

(b) Drilled Shaft Foundations for Overhead Sign Structures. Drilled shaft foundations shall be according to Section 516 and the following.

When obstructions are encountered, the Contractor shall request to relocate the foundation. Any abandoned holes shall be backfilled to the satisfaction of the Engineer.

(c) Concrete Foundations for Ground-Mounted Sign Supports. The top segment of these foundations shall be finished according to Article 503.15(a) and formed down to a depth of at least 1 ft (300 mm) below the ground line, and the concrete shall be finished level at the ground line.

Concrete shall be cured before sign supports and overhead sign structures are installed.

734.04 Method of Measurement. This item will be measured for payment according to Article 503.21.

Excavation in rock will be measured for payment according to Article 502.12.

734.05 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) for CONCRETE FOUNDATIONS, or DRILLED SHAFT CONCRETE FOUNDATIONS.

Excavation in rock will be paid for according to Article 502.13.

Obstruction mitigation or abandoned foundation excavations and backfill will be paid for according to Article 109.04.

SECTION 735. RELOCATE OVERHEAD SIGN STRUCTURE OR GROUND MOUNTED SIGN SUPPORT

735.01 Description. This work shall consist of removing a span, monotube or cantilever overhead sign structure complete with support(s) and/or a ground mounted sign support, and installing it at another location using either the existing supports or new supports.

735.02 Relocation. The new foundation shall be constructed according to Section 734, and the old foundation shall be removed according to Section 737.

(a) Overhead Sign Structure. The complete horizontal section of the overhead sign structure shall be removed from the support(s) and the support(s) removed from the foundation(s). The complete overhead sign structure shall then be transported to its new location and erected according to Section 733, using new nuts and washers on the foundation(s).

(b) Ground Mounted Sign Supports. Each support shall be removed from the foundation, transported to its new location, and erected on a foundation.

All materials required for erecting the relocated support, such as mounting hardware, shims, etc., shall be considered as part of the support.

735.03 Basis of Payment. This work will be paid for at the contract unit price per each for RELOCATE OVERHEAD SIGN STRUCTURE - SPAN or CANTILEVER, RELOCATE MONOTUBE OVERHEAD SIGN STRUCTURE - SPAN or CANTILEVER, or RELOCATE GROUND MOUNTED SIGN SUPPORT.

SECTION 736. REMOVE OVERHEAD SIGN STRUCTURE

736.01 Description. This work shall consist of removing a span, monotube, cantilever, or bridge-mounted overhead sign structure.

736.02 Removal. The entire overhead sign structure, including sign panels and sign lighting, is to be removed from the right-of-way. The removed structure shall be disposed of according to the contract.

Concrete foundations shall be removed according to Section 737.

736.03 Basis of Payment. This work will be paid for at the contract unit price per each for REMOVE OVERHEAD SIGN STRUCTURE - SPAN or CANTILEVER, REMOVE OVERHEAD SIGN STRUCTURE, MONOTUBE - SPAN or CANTILEVER, or REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED.

SECTION 737. REMOVE GROUND MOUNTED SIGN SUPPORT AND/OR CONCRETE FOUNDATIONS

737.01 Description. This work shall consist of removing a ground-mounted sign support and/or concrete foundations.

737.02 Removal. Removal of ground mounted sign supports and/or concrete foundations shall be as follows.

(a) Ground Mounted Sign Support. The ground mounted sign support is to be completely removed from the right-of-way within 24 hours after removal of the sign panel. The removed support shall become the property of the Contractor.

Sign panels shall be removed according to Section 724.

(b) Concrete Foundations. All components of the concrete foundation, including the concrete, reinforcing, stub post, and electrical items, shall be removed at least 1 ft (300 mm) below the ground line.

The use of explosives of any kind will not be permitted in removing concrete foundations.

The hole shall be backfilled with suitable material approved by the Engineer. The surface of the filled hole shall be treated to match the surrounding area.

All debris resulting from this operation shall be removed from the right-of-way.

Concrete foundations for overhead sign structures shall be removed within five calendar days after the removal of the overhead sign structure.

737.03 Basis of Payment. This work will be paid for at the contract unit price per each for REMOVE GROUND MOUNTED SIGN SUPPORT and/or REMOVE CONCRETE FOUNDATION - GROUND MOUNT or OVERHEAD.

SECTION 738. REMOVE, REPLACE, AND REERECT OVERHEAD SIGN STRUCTURE - SPAN, MONOTUBE, OR CANTILEVER

738.01 Description. This work shall consist of removing a sign structure, replacing damaged components, and reerecting the overhead sign structure.

738.02 Materials. Drawings, fabrication, welding of structural steel, surface treatment of structural steel supports, erection, wire cloth, galvanizing and the replacement of nuts, bolts, and washers shall be according to the applicable portions of Section 733.

738.03 Removal. Removal of structural steel supports and/or overhead sign structures shall be as follows.

(a) Structural Steel Support. The damaged structural steel end support shall be removed, replaced, and moved from the right-of-way. The support shall become the property of the Contractor. Any salvage value shall be reflected in the bid price. This work shall also include the removal of an existing sign panel, if one is present, and reinstallation of the same sign panel on the new end support, and the installation of a sign structure number as directed by the Engineer.

(b) Overhead Sign Structure. The Contractor shall remove the entire overhead sign structure, including sign panels, sign lighting, or walkway from its support(s) and properly anchor the structure on blocks. The entire overhead sign structure shall be reerected when the structure is reattached to the supports including the replacement of any damaged hardware.

Saddle shim blocks and fabric pads shall remain in their proper position during reerection.

The district where this work is being performed shall be responsible for disconnecting the sign lighting prior to removal of the overhead structure and reconnecting the sign lighting after the overhead structure has been reerected.

738.04 Basis of Payment. This work will be paid for at the contract unit price per each for STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE - SPAN or CANTILEVER. Removing and reerecting the overhead sign structure will be paid at the contract unit price per each for REMOVE AND REERECT OVERHEAD SIGN STRUCTURE-SPAN or CANTILEVER.

PAVEMENT MARKING

SECTION 780. PAVEMENT STRIPING

780.01 Description. This work shall consist of furnishing and applying pavement marking.

780.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Thermoplastic Pavement Markings	1095.01
(b) Paint Pavement Markings	1095.02
(c) Preformed Plastic Pavement Markings	1095.03
(d) Epoxy Pavement Marking	1095.04
(e) Preformed Thermoplastic Pavement Marking	1095.05
(f) Glass Beads for Pavement Markings	1095.07
(g) Polyurea Pavement Marking	1095.08

780.03 Equipment. Equipment shall be according to the following.

Item	Article/Section
(a) Thermoplastic Truck-Mounted (Note 1)	1105.01(a)
(b) Thermoplastic Hand-Operated (Note 1)	1105.01(b)
(c) Epoxy	1105.02
(d) Polyurea	1105.03

Note 1. A mechanical beader approved by the Engineer shall be used.

CONSTRUCTION REQUIREMENTS

780.04 General. Thermoplastic, epoxy, and polyurea pavement markings shall only be applied by Contractors on the list of approved Contractors maintained by the Engineer of Operations and in effect on the date of advertisement for bids.

Pavement marking on freeways shall be placed with truck-mounted equipment. Markings on roads other than freeways may be placed with either truck-mounted or hand-operated equipment.

Before applying the pavement marking material, the pavement shall be clean, dry, and free of debris or any other material that would reduce the adhesion of the markings on the pavement.

The edge of a center line or lane line shall be offset a minimum distance of 2 in. (50 mm) from a longitudinal crack or joint. Edge lines shall be approximately 2 in. (50 mm) from the edge of pavement. The finished center and lane lines shall be straight, with the lateral deviation of any 10 ft (3 m) line 1 in. (25 mm) or less.

Pavement marking words and symbols shall conform closely to the dimensions and spacing specified in the MUTCD and the plans. Deviations from the required dimensions and spacing or other departures from reasonable standards of professionalism will be cause for rejection by the Engineer.

The words and symbols shall be as specified in Table 1 in Article 780.12.

780.05 Thermoplastic. Prior to applying the thermoplastic pavement markings, the existing pavement markings shall be removed according to Section 783. The area removed shall be no wider than the width of the existing pavement markings. The new thermoplastic pavement markings shall be applied over the location where the pavement markings were removed.

The Contractor shall notify the Engineer 72 hours prior to the placement of the thermoplastic markings. At the time of this notification, the Contractor shall indicate the manufacturer and lot numbers of thermoplastic and glass beads he/she intends to use.

The compound shall be installed in a molten state at a minimum temperature of 400 °F (205 °C) and maximum temperature of 475 °F (245 °C). Scorching or discoloration of material will be cause for rejection by the Engineer. The machinery

shall be constructed so all mixing and conveying parts, up to and including the shaping-die, maintain the material in a molten state.

Thermoplastic shall be applied only when the pavement temperature is 55 °F (13 °C) or greater and no later than November 1 or earlier than April 15. If the thermoplastic markings cannot be placed according to these specifications and the road is to be opened to traffic between November 1 and April 15 and no adequate pavement markings are in place, the Contractor shall, at the direction of the Engineer, place temporary pavement markings according to Section 703. The Contractor shall remove the temporary pavement markings and place the thermoplastic pavement markings on or after April 15 or as agreed upon by the Engineer.

A binder sealer shall be applied on all hot-mix asphalt (HMA) pavements over 60 days old and on all portland cement concrete pavement surfaces where the new thermoplastic material is to be installed. The binder sealer material shall be applied as recommended by the manufacturer of the thermoplastic and in sufficient quantities to entirely cover the surface on which the thermoplastic is to be laid.

The thermoplastic material shall be applied at a thickness of not less than 100 mils (2.50 mm) but no greater than 110 mils (2.75 mm). Finished lines shall be within 1/4 in. (6 mm) of the width specified in the plans.

Thermoplastic markings shall be placed with drop on glass beads according to Article 1095.01, uniformly applied to assure adequate nighttime reflectivity. It shall be the Contractor's responsibility to use a compatible combination of thermoplastic material and beads to preclude the surface beads from sinking deeply into the thermoplastic.

The thickness of the markings will be measured above the pavement surface at random points as selected by the Engineer, to determine conformance.

(a) If the measurements show less than 100 mils (2.50 mm), the Engineer will "chip" the edges of the markings at random points and measure the thickness of the chips to determine if the overall thickness of the markings is at least 100 mils (2.50 mm). When either the overall thickness or the thickness above the pavement surface is substantially in conformance with the thickness requirements, payment will be made at 100 percent of the contract unit prices involved.

(b) If the thickness at a given location is less than 100 mils (2.50 mm), additional measurements will be taken on each side of the location by the Engineer to determine the extent of the deficient portion of the marking. If the average thickness of the deficient portion is less than 100 mils (2.50 mm) but more than 60 mils (1.50 mm), an adjusted unit price of 50 percent of the contract unit price involved will be used in computing payment for the area which is deficient.

(c) If the measurements show the average thickness to be less than 60 mils (1.50 mm), the Contractor shall remove the surface of the deficient portions of the markings sufficiently to reduce the average thickness to approximately 50 mils (1.25 mm) or less. The Contractor shall then apply additional

thermoplastic material and beads to bring the thickness of the markings to at least 100 mils (2.50 mm) and the reflectivity to the minimum required values.

780.06 Paint. Prior to application of the paint pavement marking, the Contractor shall make certain the pavement surface is dry and free of dirt or grease and, if necessary, clean the surface to the satisfaction of the Engineer.

Paint shall not be applied at air temperatures below 50 °F (10 °C), unless approved by the Engineer.

The paint shall be applied at a minimum thickness of 16 mils (406 µm) and beads shall be applied to all painted surfaces at the minimum rate of 6.0 lb/gal (720 g/L) of paint used.

780.07 Preformed Plastic. The markings shall be capable of being applied on either new HMA surfaces by being inlaid into the surface, or on new and existing portland cement concrete and HMA surfaces, by means of a pressure-sensitive, precoated adhesive, or liquid contact cement which shall be applied at the time of installation.

The pavement shall be cleaned as recommended by the manufacturer.

Cleaning operations shall not begin until a minimum of 30 days after the placement of new portland cement concrete pavement.

The cleaning operation shall remove all visible evidence of curing compound on the peaks and valleys of textured concrete surfaces, remove all loose and flaking material, and round any sharp edges and irregularities.

When recommended by the manufacturer, a primer sealer shall be applied on all pavement surfaces where new preformed plastic pavement marking material is to be applied. The primer sealer shall be recommended by the manufacturer of the preformed plastic pavement material and shall be compatible with the material being used. The primer sealer shall be applied in sufficient quantities to entirely cover the pavement surface where the plastic material is to be placed. The Contractor shall not install the preformed plastic pavement markings until the primer sealer dries according to the manufacturer's recommendations.

The markings placed on the pavement shall be rolled and compacted onto the pavement with a roller or tamper cart approved by the manufacturer. This roller shall be loaded with or weigh at least 200 lb (90 kg). The Contractor shall tamp and roll the material sufficiently to prevent easy removal or peeling. Care shall be taken to cut the material in and around pavement joints or cracks and roll the material into the cracks of joints.

(a) Type B - Inlaid Application. On freshly placed HMA, the inlaid markings shall be applied before final compaction and when the pavement temperature has cooled to approximately 150 °F (65 °C) and when, in the opinion of the Engineer, the pavement is acceptable for vehicular traffic.

The markings shall be applied at a minimum thickness of 60 mils (1.5 mm).

The markings shall be placed on the pavement by means of a mechanical applicator or by a hand method and embedded into the pavement surface with a static compaction roller with minimum water on the roller.

The initial rolling of the markings shall be in the same direction as the application to minimize buckling in front of the roller. The roller shall not be allowed to turn on the markings.

The markings shall be embedded to a depth of approximately 0.04 in. (1.0 mm).

(b) Type B or C - Standard Application. The material shall be applied only when the air temperature is 60 °F (15 °C) or above and rising and the pavement temperature is 70 °F (21 °C) or greater. However, standard application of preformed plastic pavement markings will not be allowed after October 15.

When the preformed plastic markings cannot be placed according to these specifications and the road is to be opened to traffic after October 15 with no adequate pavement markings in place, the Contractor shall place preformed tape for lane lines. All other pavement markings shall be placed according to Article 703.05. The Contractor shall then place the preformed pavement markings on or as soon after April 15 as the requirements of these specifications can be met

780.08 Preformed Thermoplastic. The pavement markings shall be capable of being applied on either HMA or portland cement concrete surfaces by using a propane blowtorch.

A primer sealer recommended by the manufacturer of the preformed pavement marking material shall be applied on portland cement concrete surfaces prior to application of the preformed thermoplastic pavement marking material. The primer sealer material shall be applied in sufficient quantities to entirely cover the pavement surface where the pavement marking material is to be placed.

The pavement temperature and the ambient air temperature shall be at or above 32 °F (0 °C) at the time of installation of the pavement markings.

780.09 Epoxy. The pavement shall be cleaned by a method approved by the Engineer to remove all dirt, grease, glaze, or any other material that would reduce the adhesion of the markings with minimum or no damage to the pavement surface. New portland cement concrete pavements shall be blast-cleaned to remove all latents.

Markings shall be applied to the cleaned surface on the same calendar day. If this cannot be accomplished, the surface area shall be recleaned prior to applying the markings. No markings shall be placed until the Engineer approves the cleaning.

Widths, lengths, and shapes of the cleaned surface shall be of sufficient size to include the full area of the specified pavement marking to be placed or removed.

The cleaning operation shall be a continuous moving process with minimum interruption to any traffic.

The material shall be applied to the cleaned road surface at 20 mils ± 1 mil (0.51 mm ±0.03 mm) in thickness, before the glass beads are applied. Glass beads shall be uniformly applied by means of a double drop pressurized bead applicator system. The system shall apply both the first drop glass beads and the second drop glass beads at a rate of 10 lb/gal (1.2 kg/L). Epoxy pavement marking shall be applied only when the air and surface temperatures are a minimum of 35 °F (2 °C) and rising. Where epoxy markings cannot be placed according to these specifications and the road is open to traffic with no adequate pavement markings in place, the Contractor shall place temporary pavement markings according to Article 703.05.

Lane lines shall be applied within four calendar days after removal of any existing lane lines.

The Contractor shall provide the Engineer an accurate temperature measuring device(s) which shall be capable of measuring the pavement temperature prior to the application of the material, the material temperature at the gun tip, and the material temperature prior to mixing.

The Contractor may use preformed plastic pavement marking or thermoplastic pavement marking, meeting the applicable requirements of Sections 1095 and 780, for diagonal lines, stop bars, and letters and symbols in lieu of epoxy at no additional cost to the Department.

780.10 Polyurea. There are two types of reflective media for polyurea pavement marking. Polyurea Pavement Marking Type I uses glass beads as a reflective media. Polyurea Pavement Marking, Type II uses a combination of composite reflective elements and glass beads as a reflective media.

The pavement shall be cleaned by a method approved by the Engineer to remove all dirt, grease, glaze or any other material that would reduce the adhesion of the markings with minimum or no damage to the pavement surface. New portland cement concrete pavements shall be air-blast-cleaned to remove all latents.

Markings shall be applied to the cleaned surfaces on the same calendar day. If this cannot be accomplished, the surface shall be re-cleaned prior to applying the markings. No markings shall be applied until the Engineer approves the cleaning.

Widths, lengths, and shapes of the cleaned surface shall be sufficient size to include the full area of the specified pavement marking to be placed.

The cleaning operation shall be a continuous moving operation process with minimum interruption to traffic.

The Contractor shall notify the Engineer 72 hours prior to the placement of the markings in order that he/she can be present during the operation. At the time of notification, the Contractor shall provide the Engineer the manufacturer and lot numbers of polyurea and reflective media that will be used.

The pavement markings shall be applied to the cleaned road surface, during conditions of dry weather and subsequently dry pavement surfaces at a minimum uniform wet thickness of 15 mils (0.4 mm) according to the manufacturer's installation

instructions. On new HMA surfaces the pavement markings shall be applied at a minimum uniform wet thickness of 20 mils (0.5 mm). The application of and combination of reflective media (glass beads and/or reflective elements) shall be applied at a rate specified by the manufacturer. At the time of installation the pavement surface temperature and the ambient temperature shall be above 40 °F (4 °C) and rising. The pavement markings shall not be applied if the pavement shows any visible signs of moisture or it is anticipated that damage causing moisture, such as rain showers, may occur during the installation and set periods. The Engineer will determine the atmospheric conditions and pavement surface conditions that produce satisfactory results.

Using the application equipment, the pavement markings shall be applied in the following manner as a simultaneous operation.

(a) The surface shall be air-blasted to remove any dirt and residue.

(b) The resin shall be mixed and heated according to the manufacturer's recommendations and sprayed onto the pavement surface.

The edge of the centerline or lane line shall be offset a minimum distance of 2 in. (50 mm) from a longitudinal crack or joint. Edge lines shall be approximately 2 in. (50 mm.) from the edge of pavement. The finished center and lane lines shall be straight, with the lateral deviation of any 10 ft (3 m) line not to exceed 1 in. (25 mm).

780.11 Inspection. The epoxy, thermoplastic, preformed thermoplastic, preformed plastic Type B or C, and polyurea pavement markings will be inspected following installation, but no later than October 15 for preformed plastic markings, November 1 for thermoplastic and preformed thermoplastic markings, and December 15 for epoxy and polyurea markings. In addition, they will be inspected following a winter performance period that extends 180 days from November 1.

Within 15 calendar days after the end of the winter performance period, a final performance inspection will be made. Final acceptance requirements are as follows.

(a) Lane lines: 90 percent intact by area of each individual dashed line segment.

(b) Crosswalks, stop lines, arrows, and words: 90 percent intact by area of each individual line, symbol, or letter.

(c) Center lines, edge lines, gore markings, and channelizing lines: 90 percent intact by area measured over any 10 ft (3 m) length of any individual line regardless of width.

(d) Entire project: measured in its entirety according to (a), (b), and (c) above, the entire project shall be 95 percent intact.

Upon completion of the final performance inspection, or after satisfactory completion of any necessary correction, the Engineer will notify the Contractor, in writing, of the date of such final performance inspection and release him/her from further performance responsibility.

If this inspection discloses any work, in whole or in part, which does not meet the inspection requirements, the Contractor shall, within 30 calendar days, completely repair or replace such work to the satisfaction of the Engineer.

This performance inspection and performance acceptance of the epoxy, thermoplastic, preformed thermoplastic, preformed plastic Type B and C pavement, and polyurea markings shall not delay acceptance of the entire project and final payment due if the Contractor requires and receives from the subcontractor a third party "performance" bond naming the Department as obligee in the full amount of all pavement marking quantities listed in the contract, multiplied by the contract unit price. The bond shall be executed prior to acceptance and final payment of the non-pavement marking items and shall be in full force and effect until final performance inspection and performance acceptance of the epoxy, thermoplastic, preformed thermoplastic, preformed plastic, and polyurea pavement markings. Execution of the third party bond shall be the option of the Contractor.

780.12 Method of Measurement. This work will be measured for payment as follows.

(a) Contract Quantities. The requirements for the use of contract quantities shall be according to Article 202.07(a).

(b) Measured Quantities. Lines will be measured for payment in place in feet (meters). Double yellow lines will be measured as two separate lines.

Words and symbols shall conform to the sizes and dimensions specified in the Illinois Manual on Uniform Traffic Control Devices and Standard 780001 and will be measured based on the total areas indicated in Table 1 or as specified in the plans.

Removal of existing pavement markings will be measured for payment according to Article 783.05.

780.13 Basis of Payment. This work will be paid for at the contract unit prices per foot (meter) of applied line width, as specified, for THERMOPLASTIC PAVEMENT MARKING - LINE; PAINT PAVEMENT MARKING - LINE; EPOXY PAVEMENT MARKING - LINE; PREFORMED PLASTIC PAVEMENT MARKING - LINE - TYPE B, C, or B - INLAID; PREFORMED THERMOPLASTIC PAVEMENT MARKING – LINE, POLYUREA PAVEMENT MARKING TYPE I – LINE, POLYUREA PAVEMENT MARKING TYPE II - LINE; and/or per square foot (square meter) for THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS; PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS; EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS; PREFORMED PLASTIC PAVEMENT MARKING - TYPE B, C, or B - INLAID - LETTERS AND SYMBOLS; PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS.

When the Contractor has the option of applying Permanent Pavement Marking it shall be Thermoplastic, Preformed Plastic (Type B, C, or B - Inlaid), Epoxy, or Preformed Thermoplastic Pavement Markings. It will be paid for at the contract unit price per foot (meter) of applied line for PERMANENT PAVEMENT MARKING - LINE 4 (100), 5 (125), 6 (150), 8 (200), 12 (300), 16 (400), or 24 in. (600 mm) and per

square foot (square meter) for PERMANENT PAVEMENT MARKING - LETTERS AND SYMBOLS.

Temporary pavement markings placed in lieu of permanent will be paid for according to Article 703.07.

Removal of existing pavement markings will be paid for according to Article 783.06.

*TABLE 1

LETTERS
sq ft (sq m)

Size	A	B	C	D	E	F	G	H	I
6 ft (1.8 m)	3.1 (0.28)	4.0 (0.37)	2.7 (0.25)	3.4 (0.31)	3.3 (0.31)	2.6 (0.24)	3.3 (0.31)	3.4 (0.31)	1.5 (0.14)
8 ft (2.4 m)	5.5 (0.51)	7.1 (0.66)	4.8 (0.45)	6.1 (0.57)	5.9 (0.55)	4.7 (0.44)	5.8 (0.54)	6.0 (0.56)	2.6 (0.24)

Size	J	K	L	M	N	O	P	Q	R
6 ft (1.8 m)	2.1 (0.2)	3.1 (0.28)	2.2 (0.20)	4.2 (0.39)	4.0 (0.37)	3.4 (0.31)	3.0 (0.28)	3.6 (0.33)	3.6 (0.33)
8 ft (2.4 m)	3.7 (0.34)	5.7 (0.53)	3.8 (0.45)	7.4 (0.69)	7.1 (0.65)	6.0 (0.56)	5.3 (0.49)	6.3 (0.59)	6.3 (0.59)

Size	S	T	U	V	W	X	Y	Z
6 ft (1.8 m)	3.2 (0.30)	2.2 (0.20)	3.2 (0.30)	2.7 (0.25)	4.2 (0.39)	2.7 (0.25)	2.2 (0.20)	2.9 (0.26)
8 ft (2.4 m)	5.7 (0.53)	3.8 (0.35)	5.6 (0.52)	4.8 (0.45)	7.3 (0.68)	4.8 (0.45)	3.9 (0.36)	5.1 (0.47)

NUMBERS
sq ft (sq m)

Size	1	2	3	4	5
6 ft (1.8 m)	1.5 (0.14)	3.3 (0.31)	3.3 (0.31)	2.9 (0.26)	3.5 (0.33)
8 ft (2.4 m)	2.6 (0.24)	5.8 (0.54)	5.8 (0.54)	5.1 (0.47)	6.1 (0.57)

Size	6	7	8	9	0
6 ft (1.8 m)	3.5 (0.33)	2.2 (0.20)	3.8 (0.35)	3.5 (0.33)	3.4 (0.31)
8 ft (2.4 m)	6.2 (0.58)	3.8 (0.35)	6.7 (0.62)	6.2 (0.58)	6.0 (0.56)

SYMBOLS

Symbol	Large Size sq ft (sq m)	Small Size sq ft (sq m)
Through Arrow	11.5 (1.07)	6.5 (0.60)
Left or Right Arrow	15.6 (1.47)	8.8 (0.82)
2 Arrow Combination Left (or Right) and Through	26.0 (2.42)	14.7 (1.37)
3 Arrow Combination Left, Right, and Through	38.4 (3.56)	20.9 (1.94)
Lane Drop Arrow	41.5 (3.86)	--
Wrong Way Arrow	24.3 (2.26)	--
Railroad "R" 6 ft (1.8 m)	3.6 (0.33)	--
Railroad "X" 20 ft (6.1 m)	54.0 (5.02)	--
Handicapped Symbol	4.6 (0.43)	--

*Table applies to all types of pavement marking materials.

SECTION 781. RAISED REFLECTIVE PAVEMENT MARKERS

781.01 Description. This work shall consist of placing permanent and/or temporary raised reflective pavement markers or replacing the reflective element in a raised reflective pavement marker.

781.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Raised Reflective Pavement Markers	1096.01
(b) Temporary Raised Reflective Pavement Markers	1096.02

CONSTRUCTION REQUIREMENTS

781.03 General. The reflector may be attached to the casting prior to or after the placement of the markers. The depression in the web shall be clean and dry. The reflector shall be laminated to an elastomeric pad and adhesively attached to the casting. The protective paper or plastic film covering the adhesive pad shall be removed immediately prior to placing the reflector on the casting. Once the film covering is removed, extreme care shall be taken to avoid contamination of the exposed pad surface. An adhesive meeting the marker manufacturer's specifications shall be used. The adhesive shall be placed either on the reflector or on the web in sufficient quantity so as to ensure complete coverage of the contact area with no voids present and with a slight excess after the reflector is pressed in place.

(a) Permanent. It shall be the Contractor's responsibility to determine the location of any traffic control devices installed in the pavement before beginning work, and shall conduct work to avoid damage to these devices. Any damage to these devices caused by the Contractor's operation shall be repaired.

The pavement shall be cut to match the bottom contour of the marker using a concrete saw fitted with 18 and 20 in. (450 and 500 mm) diameter blades. Diamond blades shall be used on portland cement concrete pavement. The cut shall be clean and completely dry prior to pouring the epoxy. After the cut is cleaned, the configuration shall be checked using a pavement marker. The marker shall fit easily within the cut with the leveling tabs resting on the pavement. If any force is required to place or remove the marker or if the leveling tabs do not rest on the pavement surface, the cut shall be enlarged as necessary. Installations on crowned pavements, super elevations, or ramps shall be cut deeper than those on level pavements if necessary to get proper marker fit. A rapid setting (hard in one hour) epoxy meeting the requirements of AASHTO M 237 shall be poured into the cut to within 3/8 in. (9 mm) of the pavement surface. The installed height for the reflective pavement markers shall be approximately 0.3 in. (7.5 mm) above the road surface.

The marker shall then be placed into the epoxy-filled cut. The leveling tabs shall rest on the pavement surface and the marker tips shall be slightly below the pavement surface when properly installed. There shall be no epoxy on the reflective lens. The epoxy, when properly mixed, shall be hard cured in 30-45 minutes. If after one hour, a screwdriver or other appointed instrument can be pushed into the epoxy, the marker and the uncured epoxy shall be removed, and the marker shall be cleaned and the unit reinstalled.

The pavement surface temperature and the ambient air temperature shall be at or above 50 °F (10 °C) at the time of installation of the marker for the epoxy adhesive to properly cure.

Unless directed by the Engineer, raised reflective pavement markers shall not be laid directly over a longitudinal crack or joint. The edge of a raised reflective pavement marker shall be offset, toward traffic, a minimum distance of 2 in. (50 mm) from the edge of pavement, a longitudinal crack or joint, or a solid lane line. Raised reflective pavement markers shall be centered in the gap between dashed line segments and the finished line of the markers shall be straight. The lateral deviation on any 10 ft (3 m) line shall not exceed 1 in. (25 mm). Raised reflective pavement markers through tangents of reverse curves which are less than 500 ft (150 m) in length shall be installed at the lesser of the two curve spacings.

The reflectors may be attached to the castings either prior to or after the placement of the markers. The depression in the web shall be clean and dry. The reflector shall be placed on the casting with sufficient pressure to firmly seat it in place, minimum load of 100 lb (45 kg). Adhesive material shall not be permitted on the reflective surface of the prismatic reflector.

(b) Temporary. The pavement surface which the marker shall be bonded to, shall be free of dirt, curing compound, grease, oil, moisture, or any other material which would adversely affect the bond of the adhesive.

The markers shall be placed firmly on the pavement and pressed into place by slowly passing over them with a truck wheel. The pass shall not displace

the markers. In lieu of an adhesive pad, an adhesive meeting the marker manufacturer's specifications may be used. The adhesive shall be placed either on the reflector or on the web in sufficient quantity so as to ensure complete coverage of the contact area with no voids present and with a slight excess after the reflector is pressed in place.

All markers shall be monodirectional. Markers placed to the left of traffic shall be amber and markers placed to the right of traffic shall be crystal.

(c) Replacement. All remaining portions of the existing reflector, and all traces of adhesive, rust, dirt, etc., shall be removed from the marker reflector area by sandblasting or other methods approved by the Engineer.

The Contractor shall be responsible for verifying the model numbers of castings as shown on the plans and shall be responsible for installing the proper replacement reflector in each casting.

The Contractor shall make certain the casting surface is dry and free of dirt and rust prior to placing the reflector on the casting.

The reflector shall be placed on the casting with sufficient pressure to firmly seat it in place, minimum load of 100 lb (45 kg). Adhesive material shall not be permitted on the reflective surface of the prismatic reflector. The pavement surface temperature and the ambient air temperature shall be at or above 50 °F (10 °C) at the time of application of the prismatic reflector.

781.04 Inspection of Raised Reflective Pavement Markers. The permanent raised reflective pavement marker and/or replacement reflector will be inspected following installation, but no later than November 30. In addition, they will be inspected following a winter performance period that will extend 180 days from November 30.

Within 15 calendar days after the end of the winter performance period, a final performance inspection will be made. If this inspection discloses any work which is not visibly intact and serviceable, the Contractor shall, within 30 calendar days, completely repair or replace such work to the satisfaction of the Engineer.

Measured in its entirety, the work shall be 97 percent intact.

Upon completion of the final performance inspection or after satisfactory completion of any necessary corrections, the Engineer shall notify the Contractor in writing of the date of such final performance inspection and release him/her from further performance responsibility.

This delay in performance inspection and performance acceptance of the raised reflective pavement markers shall not delay acceptance of the entire project and final payment due if the Contractor requires and receives from the subcontractor a third party "performance" bond naming the Department as obligee in the full amount of all raised reflective pavement marker quantities listed in the contract, multiplied by the contract unit price. The bond shall be executed prior to acceptance and final pavement of the nonraised reflective pavement marker items and shall be in full force and effect until final performance inspection and performance acceptance of the

raised reflective pavement markers. Execution of the third party bond shall be the option of the prime Contractor.

781.05 Basis of Payment. This work will be paid for at the contract unit price per each for RAISED REFLECTIVE PAVEMENT MARKER, RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE), TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER, or REPLACEMENT REFLECTOR.

SECTION 782. PRISMATIC REFLECTORS

782.01 Description. This work shall consist of furnishing and installing prismatic reflectors on concrete barriers, bridge parapet walls, and mountable or barrier curbs.

782.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Prismatic Barrier Reflectors	1097
(b) Prismatic Curb Reflectors	1097

CONSTRUCTION REQUIREMENTS

782.03 General. The surface of the barrier, bridge parapet wall or curb to which the reflector shall be applied shall be free of dirt, curing compound, moisture, paint, or any other material which would adversely affect the bond of the adhesive. Cleaning of the surface shall be to the satisfaction of the Engineer.

An adhesive meeting the reflector manufacturer's specifications shall be placed either on the surface or the bottom of the reflector in sufficient quantity to ensure complete coverage of the contact area with no voids present and with a slight excess after the reflector is pressed firmly in place.

The installed height of the prismatic curb reflectors shall be a maximum of 3/4 in. (19 mm) above the mounting surface. The unit shall have one reflective surface that is placed approximately perpendicular to the mounting surface.

782.04 Basis of Payment. This work will be paid for at the contract unit price per each for MONODIRECTIONAL or BIDIRECTIONAL, PRISMATIC BARRIER REFLECTOR, and PRISMATIC CURB REFLECTOR. Where bidirectional units (two reflective surfaces) are specified, the Contractor may, at no extra cost to the Department, furnish two separate monodirectional units (single reflective surface) and mount them back to back.

SECTION 783. PAVEMENT MARKING AND MARKER REMOVAL

783.01 Description. This work shall consist of removing existing pavement markings and raised reflective pavement markers.

783.02 Equipment. Equipment shall be according to the following.

	Item	Article/Section
(a)	Portable Shot Blast Equipment	1101.13
(b)	Grinders (Note 1)	
(c)	Water Blaster with Vacuum Recovery	1101.12

Note 1. Grinding equipment shall be approved by the Engineer.

CONSTRUCTION REQUIREMENTS

783.03 Removal of Conflicting Markings. Existing pavement markings that conflict with revised traffic patterns shall be removed as directed by the Engineer and shall be scheduled immediately to facilitate a change in lane assignments which requires removal of conflicting markings. If darkness or inclement weather prohibits the removal operations, such operations shall be resumed the next morning or when weather permits. In the event of removal equipment failure, such equipment shall be repaired, replaced, or leased so removal operations can be resumed within 24 hours.

(a) Pavement Markings. The existing pavement markings shall be removed from the pavement by a method that does not materially damage the surface or texture of the pavement or surfacing. Very small particles of tightly adhering existing markings may remain in place, if in the opinion of the Engineer, complete removal of the small particles will result in pavement surface damage. Any damage to the pavement or surfacing caused by pavement marking removal shall be repaired by methods acceptable to the Engineer.

The shape of the obliterated strip shall be disguised so the pattern of the removed marking is not retained. Where mechanical means of marking removal have been employed, flat paint of a color matching the pavement surface or an asphaltic seal coat may be used if necessary as a means of covering contrasting pavement texture. The use of flat paint to cover conflicting pavement markings will not be allowed.

(b) Pavement Markers. The removal of existing markers shall consist of the reflective element and the base casting complete. On those improvements where no pavement rehabilitation is required, the pavement shall be repaired with material according to Article 406.05 to the satisfaction of the Engineer.

When permanent raised reflective pavement markers are present and conflict with the revised traffic patterns, only the reflectors shall be removed.

783.04 Cleaning. The roadway surface shall be cleaned of debris, blast sand, or any other deleterious material by the use of compressed air, water blast, or shotblast. When the shotblast method is used, the steel shot shall be collected.

Over cleaning to the extent of possible damage to the roadway surface shall be held to a minimum.

783.05 Method of Measurement. This work will be measured for payment as follows.

(a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a).

(b) Measured Quantities. The existing pavement marking removal will be measured in square feet (square meters). All existing lines, letters, and symbols will be measured in square feet (square meters).

783.06 Basis of Payment. This work will be paid for at the contract unit price per each for RAISED REFLECTIVE PAVEMENT MARKER REMOVAL, or at the contract unit price per square foot (square meter) for PAVEMENT MARKING REMOVAL.

ADDENDUM D

EMPLOYMENT
(820 ILCS 130/) Prevailing Wage Act.

(820 ILCS 130/0.01) (from Ch. 48, par. 39s-0.01)

Sec. 0.01. Short title. This Act may be cited as the Prevailing Wage Act.

(Source: P.A. 86-1324.)

(820 ILCS 130/1) (from Ch. 48, par. 39s-1)

Sec. 1. It is the policy of the State of Illinois that a wage of no less than the general prevailing hourly rate as paid for work of a similar character in the locality in which the work is performed, shall be paid to all laborers, workers and mechanics employed by or on behalf of any and all public bodies engaged in public works.

(Source: P.A. 83-443.)

(820 ILCS 130/2) (from Ch. 48, par. 39s-2)

Sec. 2. This Act applies to the wages of laborers, mechanics and other workers employed in any public works, as hereinafter defined, by any public body and to anyone under contracts for public works. This includes any maintenance, repair, assembly, or disassembly work performed on equipment whether owned, leased, or rented.

As used in this Act, unless the context indicates otherwise:

"Public works" means all fixed works constructed or demolished by any public body, or paid for wholly or in part out of public funds. "Public works" as defined herein includes all projects financed in whole or in part with bonds, grants, loans, or other funds made available by or through the State or any of its political subdivisions, including but not limited to: bonds issued under the Industrial Project Revenue Bond Act (Article 11, Division 74 of the Illinois Municipal Code), the Industrial Building Revenue Bond Act, the Illinois Finance Authority Act, the Illinois Sports Facilities Authority Act, or the Build Illinois Bond Act; loans or other funds made available pursuant to the Build Illinois Act; loans or other funds made available pursuant to the Riverfront Development Fund under Section 10-15 of the River Edge Redevelopment Zone Act; or funds from the Fund for Illinois' Future under Section 6z-47 of the State Finance Act, funds for school construction under Section 5 of the General Obligation Bond Act, funds authorized under Section 3 of the School Construction Bond Act, funds for school infrastructure under Section 6z-45 of the State Finance Act, and funds for transportation purposes under Section 4 of the General Obligation Bond Act. "Public works" also includes (i) all projects financed in whole or in part with funds from the Department of Commerce and Economic Opportunity under the Illinois Renewable Fuels Development Program Act for which there is no project labor agreement; (ii) all work performed pursuant to a public private agreement under the Public Private Agreements for the Illiana Expressway Act or the Public-Private Agreements for the South Suburban Airport Act; and (iii) all projects undertaken under a public-private

agreement under the Public-Private Partnerships for Transportation Act. "Public works" also includes all projects at leased facility property used for airport purposes under Section 35 of the Local Government Facility Lease Act. "Public works" also includes the construction of a new wind power facility by a business designated as a High Impact Business under Section 5.5(a)(3)(E) of the Illinois Enterprise Zone Act. "Public works" does not include work done directly by any public utility company, whether or not done under public supervision or direction, or paid for wholly or in part out of public funds. "Public works" also includes any corrective action performed pursuant to Title XVI of the Environmental Protection Act for which payment from the Underground Storage Tank Fund is requested. "Public works" does not include projects undertaken by the owner at an owner-occupied single-family residence or at an owner-occupied unit of a multi-family residence. "Public works" does not include work performed for soil and water conservation purposes on agricultural lands, whether or not done under public supervision or paid for wholly or in part out of public funds, done directly by an owner or person who has legal control of those lands.

"Construction" means all work on public works involving laborers, workers or mechanics. This includes any maintenance, repair, assembly, or disassembly work performed on equipment whether owned, leased, or rented.

"Locality" means the county where the physical work upon public works is performed, except (1) that if there is not available in the county a sufficient number of competent skilled laborers, workers and mechanics to construct the public works efficiently and properly, "locality" includes any other county nearest the one in which the work or construction is to be performed and from which such persons may be obtained in sufficient numbers to perform the work and (2) that, with respect to contracts for highway work with the Department of Transportation of this State, "locality" may at the discretion of the Secretary of the Department of Transportation be construed to include two or more adjacent counties from which workers may be accessible for work on such construction.

"Public body" means the State or any officer, board or commission of the State or any political subdivision or department thereof, or any institution supported in whole or in part by public funds, and includes every county, city, town, village, township, school district, irrigation, utility, reclamation improvement or other district and every other political subdivision, district or municipality of the state whether such political subdivision, municipality or district operates under a special charter or not.

The terms "general prevailing rate of hourly wages", "general prevailing rate of wages" or "prevailing rate of wages" when used in this Act mean the hourly cash wages plus annualized fringe benefits for training and apprenticeship programs approved by the U.S. Department of Labor, Bureau of Apprenticeship and Training, health and welfare, insurance, vacations and pensions paid generally, in the locality in which the work is being performed, to employees engaged in work of a similar character on public works.

(Source: P.A. 97-502, eff. 8-23-11; 98-109, eff. 7-25-13; 98-482, eff. 1-1-14; 98-740, eff. 7-16-14; 98-756, eff. 7-16-14.)

(820 ILCS 130/3) (from Ch. 48, par. 39s-3)

Sec. 3. Not less than the general prevailing rate of hourly wages for work of a similar character on public works in the locality in which the work is performed, and not less than the general prevailing rate of hourly wages for legal holiday and overtime work, shall be paid to all laborers, workers and mechanics employed by or on behalf of any public body engaged in the construction or demolition of public works. This includes any maintenance, repair, assembly, or disassembly work performed on equipment whether owned, leased, or rented. Only such laborers, workers and mechanics as are directly employed by contractors or subcontractors in actual construction work on the site of the building or construction job, and laborers, workers and mechanics engaged in the transportation of materials and equipment to or from the site, but not including the transportation by the sellers and suppliers or the manufacture or processing of materials or equipment, in the execution of any contract or contracts for public works with any public body shall be deemed to be employed upon public works. The wage for a tradesman performing maintenance is equivalent to that of a tradesman engaged in construction or demolition.
(Source: P.A. 95-341, eff. 8-21-07; 96-186, eff. 1-1-10.)

(820 ILCS 130/4) (from Ch. 48, par. 39s-4)

Sec. 4. Ascertaining prevailing wage.

(a) The public body awarding any contract for public work or otherwise undertaking any public works, shall ascertain the general prevailing rate of hourly wages in the locality in which the work is to be performed, for each craft or type of worker or mechanic needed to execute the contract, and where the public body performs the work without letting a contract therefore, shall ascertain the prevailing rate of wages on a per hour basis in the locality, and such public body shall specify in the resolution or ordinance and in the call for bids for the contract, that the general prevailing rate of wages in the locality for each craft or type of worker or mechanic needed to execute the contract or perform such work, also the general prevailing rate for legal holiday and overtime work, as ascertained by the public body or by the Department of Labor shall be paid for each craft or type of worker needed to execute the contract or to perform such work, and it shall be mandatory upon the contractor to whom the contract is awarded and upon any subcontractor under him, and where the public body performs the work, upon the public body, to pay not less than the specified rates to all laborers, workers and mechanics employed by them in the execution of the contract or such work; provided, however, that if the public body desires that the Department of Labor ascertain the prevailing rate of wages, it shall notify the Department of Labor to ascertain the general prevailing rate of hourly wages for work under contract, or for work performed by a public body without letting a contract as required in the locality in

which the work is to be performed, for each craft or type of worker or mechanic needed to execute the contract or project or work to be performed. Upon such notification the Department of Labor shall ascertain such general prevailing rate of wages, and certify the prevailing wage to such public body.

(a-1) The public body or other entity awarding the contract shall cause to be inserted in the project specifications and the contract a stipulation to the effect that not less than the prevailing rate of wages as found by the public body or Department of Labor or determined by the court on review shall be paid to all laborers, workers and mechanics performing work under the contract.

(a-2) When a public body or other entity covered by this Act has awarded work to a contractor without a public bid, contract or project specification, such public body or other entity shall comply with subsection (a-1) by providing the contractor with written notice on the purchase order related to the work to be done or on a separate document indicating that not less than the prevailing rate of wages as found by the public body or Department of Labor or determined by the court on review shall be paid to all laborers, workers, and mechanics performing work on the project.

(a-3) Where a complaint is made and the Department of Labor determines that a violation occurred, the Department of Labor shall determine if proper written notice under this Section 4 was given. If proper written notice was not provided to the contractor by the public body or other entity, the Department of Labor shall order the public body or other entity to pay any interest, penalties or fines that would have been owed by the contractor if proper written notice were provided. The failure by a public body or other entity to provide written notice does not relieve the contractor of the duty to comply with the prevailing wage rate, nor of the obligation to pay any back wages, as determined under this Act. For the purposes of this subsection, back wages shall be limited to the difference between the actual amount paid and the prevailing rate of wages required to be paid for the project. The failure of a public body or other entity to provide written notice under this Section 4 does not diminish the right of a laborer, worker, or mechanic to the prevailing rate of wages as determined under this Act.

(b) It shall also be mandatory upon the contractor to whom the contract is awarded to insert into each subcontract and into the project specifications for each subcontract a written stipulation to the effect that not less than the prevailing rate of wages shall be paid to all laborers, workers, and mechanics performing work under the contract. It shall also be mandatory upon each subcontractor to cause to be inserted into each lower tiered subcontract and into the project specifications for each lower tiered subcontract a stipulation to the effect that not less than the prevailing rate of wages shall be paid to all laborers, workers, and mechanics performing work under the contract. A contractor or subcontractor who fails to comply with this subsection (b) is in violation of this Act.

(b-1) When a contractor has awarded work to a subcontractor without a contract or contract specification,

the contractor shall comply with subsection (b) by providing a subcontractor with a written statement indicating that not less than the prevailing rate of wages shall be paid to all laborers, workers, and mechanics performing work on the project. A contractor or subcontractor who fails to comply with this subsection (b-1) is in violation of this Act.

(b-2) Where a complaint is made and the Department of Labor determines that a violation has occurred, the Department of Labor shall determine if proper written notice under this Section 4 was given. If proper written notice was not provided to the subcontractor by the contractor, the Department of Labor shall order the contractor to pay any interest, penalties, or fines that would have been owed by the subcontractor if proper written notice were provided. The failure by a contractor to provide written notice to a subcontractor does not relieve the subcontractor of the duty to comply with the prevailing wage rate, nor of the obligation to pay any back wages, as determined under this Act. For the purposes of this subsection, back wages shall be limited to the difference between the actual amount paid and the prevailing rate of wages required for the project. However, if proper written notice was not provided to the contractor by the public body or other entity under this Section 4, the Department of Labor shall order the public body or other entity to pay any interest, penalties, or fines that would have been owed by the subcontractor if proper written notice were provided. The failure by a public body or other entity to provide written notice does not relieve the subcontractor of the duty to comply with the prevailing wage rate, nor of the obligation to pay any back wages, as determined under this Act. For the purposes of this subsection, back wages shall be limited to the difference between the actual amount paid and the prevailing rate of wages required for the project. The failure to provide written notice by a public body, other entity, or contractor does not diminish the right of a laborer, worker, or mechanic to the prevailing rate of wages as determined under this Act.

(c) A public body or other entity shall also require in all contractor's and subcontractor's bonds that the contractor or subcontractor include such provision as will guarantee the faithful performance of such prevailing wage clause as provided by contract or other written instrument. All bid specifications shall list the specified rates to all laborers, workers and mechanics in the locality for each craft or type of worker or mechanic needed to execute the contract.

(d) If the Department of Labor revises the prevailing rate of hourly wages to be paid by the public body or other entity, the revised rate shall apply to such contract, and the public body or other entity shall be responsible to notify the contractor and each subcontractor, of the revised rate.

The public body or other entity shall discharge its duty to notify of the revised rates by inserting a written stipulation in all contracts or other written instruments that states the prevailing rate of wages are revised by the Department of Labor and are available on the Department's official website. This shall be deemed to be proper notification of any rate changes under this subsection.

(e) Two or more investigatory hearings under this Section on the issue of establishing a new prevailing wage classification for a particular craft or type of worker shall be consolidated in a single hearing before the Department. Such consolidation shall occur whether each separate investigatory hearing is conducted by a public body or the Department. The party requesting a consolidated investigatory hearing shall have the burden of establishing that there is no existing prevailing wage classification for the particular craft or type of worker in any of the localities under consideration.

(f) It shall be mandatory upon the contractor or construction manager to whom a contract for public works is awarded to post, at a location on the project site of the public works that is easily accessible to the workers engaged on the project, the prevailing wage rates for each craft or type of worker or mechanic needed to execute the contract or project or work to be performed. In lieu of posting on the project site of the public works, a contractor which has a business location where laborers, workers, and mechanics regularly visit may: (1) post in a conspicuous location at that business the current prevailing wage rates for each county in which the contractor is performing work; or (2) provide such laborer, worker, or mechanic engaged on the public works project a written notice indicating the prevailing wage rates for the public works project. A failure to post or provide a prevailing wage rate as required by this Section is a violation of this Act.

(Source: P.A. 96-437, eff. 1-1-10; 97-964, eff. 1-1-13.)

(820 ILCS 130/5) (from Ch. 48, par. 39s-5)

Sec. 5. Certified payroll.

(a) Any contractor and each subcontractor who participates in public works shall:

(1) make and keep, for a period of not less than 3 years from the date of the last payment made before January 1, 2014 (the effective date of Public Act 98-328) and for a period of 5 years from the date of the last payment made on or after January 1, 2014 (the effective date of Public Act 98-328) on a contract or subcontract for public works, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include (i) the worker's name, (ii) the worker's address, (iii) the worker's telephone number when available, (iv) the worker's social security number, (v) the worker's classification or classifications, (vi) the worker's gross and net wages paid in each pay period, (vii) the worker's number of hours worked each day, (viii) the worker's starting and ending times of work each day, (ix) the worker's hourly wage rate, (x) the worker's hourly overtime wage rate, (xi) the worker's hourly fringe benefit rates, (xii) the name and address of each fringe benefit fund, (xiii) the plan sponsor of each fringe benefit, if applicable, and (xiv) the plan administrator of each fringe benefit, if applicable; and

(2) no later than the 15th day of each calendar month

file a certified payroll for the immediately preceding month with the public body in charge of the project. A certified payroll must be filed for only those calendar months during which construction on a public works project has occurred. The certified payroll shall consist of a complete copy of the records identified in paragraph (1) of this subsection (a), but may exclude the starting and ending times of work each day. The certified payroll shall be accompanied by a statement signed by the contractor or subcontractor or an officer, employee, or agent of the contractor or subcontractor which avers that: (i) he or she has examined the certified payroll records required to be submitted by the Act and such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required by this Act; and (iii) the contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class A misdemeanor. A general contractor is not prohibited from relying on the certification of a lower tier subcontractor, provided the general contractor does not knowingly rely upon a subcontractor's false certification. Any contractor or subcontractor subject to this Act and any officer, employee, or agent of such contractor or subcontractor whose duty as such officer, employee, or agent it is to file such certified payroll who willfully fails to file such a certified payroll on or before the date such certified payroll is required by this paragraph to be filed and any person who willfully files a false certified payroll that is false as to any material fact is in violation of this Act and guilty of a Class A misdemeanor. The public body in charge of the project shall keep the records submitted in accordance with this paragraph (2) of subsection (a) before January 1, 2014 (the effective date of Public Act 98-328) for a period of not less than 3 years, and the records submitted in accordance with this paragraph (2) of subsection (a) on or after January 1, 2014 (the effective date of Public Act 98-328) for a period of 5 years, from the date of the last payment for work on a contract or subcontract for public works. The records submitted in accordance with this paragraph (2) of subsection (a) shall be considered public records, except an employee's address, telephone number, and social security number, and made available in accordance with the Freedom of Information Act. The public body shall accept any reasonable submissions by the contractor that meet the requirements of this Section.

A contractor, subcontractor, or public body may retain records required under this Section in paper or electronic format.

(b) Upon 7 business days' notice, the contractor and each subcontractor shall make available for inspection and copying at a location within this State during reasonable hours, the records identified in paragraph (1) of subsection (a) of this Section to the public body in charge of the project, its officers and agents, the Director of Labor and his deputies and agents, and to federal, State, or local law enforcement

agencies and prosecutors.

(c) A contractor or subcontractor who remits contributions to fringe benefit funds that are jointly maintained and jointly governed by one or more employers and one or more labor organizations in accordance with the federal Labor Management Relations Act shall make and keep certified payroll records that include the information required under items (i) through (viii) of paragraph (1) of subsection (a) only. However, the information required under items (ix) through (xiv) of paragraph (1) of subsection (a) shall be required for any contractor or subcontractor who remits contributions to a fringe benefit fund that is not jointly maintained and jointly governed by one or more employers and one or more labor organizations in accordance with the federal Labor Management Relations Act.

(Source: P.A. 97-571, eff. 1-1-12; 98-328, eff. 1-1-14; 98-482, eff. 1-1-14; 98-756, eff. 7-16-14.)

(820 ILCS 130/5.1)

Sec. 5.1. Electronic database. Subject to appropriation, the Department shall develop and maintain an electronic database capable of accepting and retaining certified payrolls submitted under this Act. The database shall accept certified payroll forms provided by the Department that are fillable and designed to accept electronic signatures.

(Source: P.A. 98-482, eff. 1-1-14.)

(820 ILCS 130/6) (from Ch. 48, par. 39s-6)

Sec. 6. Any officer, agent or representative of any public body who willfully violates, or willfully fails to comply with, any of the provisions of this Act, and any contractor or subcontractor, and any officer, employee, or agent thereof, who as such officer, employee, or agent, has a duty to create, keep, maintain, or produce any record or document required by this Act to be created, kept, maintained, or produced who willfully fails to create, keep, maintain, or produce such record or document as or when required by this Act, is guilty of a Class A misdemeanor.

The Department of Labor shall inquire diligently as to any violation of this Act, shall institute actions for penalties herein prescribed, and shall enforce generally the provisions of this Act. The Attorney General shall prosecute such cases upon complaint by the Department or any interested person.

(Source: P.A. 97-571, eff. 1-1-12.)

(820 ILCS 130/7) (from Ch. 48, par. 39s-7)

Sec. 7. The finding of the public body awarding the contract or authorizing the work or the Department of Labor ascertaining and declaring the general prevailing rate of hourly wages shall be final for all purposes of the contract for public work then being considered, unless reviewed under the provisions of this Act. Nothing in this Act, however, shall be construed to prohibit the payment to any laborer, worker or mechanic employed on any public work, as aforesaid, of more than the prevailing rate of wages; provided further that nothing in this Act shall be construed to limit the hours

of work which may be performed by any person in any particular period of time.
(Source: P.A. 81-992.)

(820 ILCS 130/8) (from Ch. 48, par. 39s-8)

Sec. 8. In the event the public body authorizing the work or the Department of Labor is unable to ascertain the prevailing rate of wage of any class of work required to be performed under the proposed contract, it is the duty of the Department of Labor where the determination of said prevailing rate has been referred to it to so notify the public body authorizing the proposed work, and it is the duty of the public body in either case to state the fact of inability to ascertain said prevailing rate in its resolution, ordinance or notice for bids in which event the clause specifying the prevailing wage as to such class of work may be excluded from the contract unless such wage may be determined by the court on appeal as provided by this Act.
(Source: Laws 1957, p. 2662.)

(820 ILCS 130/9) (from Ch. 48, par. 39s-9)

Sec. 9. To effectuate the purpose and policy of this Act each public body shall, during the month of June of each calendar year, investigate and ascertain the prevailing rate of wages as defined in this Act and publicly post or keep available for inspection by any interested party in the main office of such public body its determination of such prevailing rate of wage and shall promptly file, no later than July 15 of each year, a certified copy thereof in the office of the Illinois Department of Labor.

The Department of Labor shall during the month of June of each calendar year, investigate and ascertain the prevailing rate of wages for each county in the State. If a public body does not investigate and ascertain the prevailing rate of wages during the month of June as required by the previous paragraph, then the prevailing rate of wages for that public body shall be the rate as determined by the Department under this paragraph for the county in which such public body is located.

Where the Department of Labor ascertains the prevailing rate of wages, it is the duty of the Department of Labor within 30 days after receiving a notice from the public body authorizing the proposed work, to conduct an investigation to ascertain the prevailing rate of wages as defined in this Act and such investigation shall be conducted in the locality in which the work is to be performed. The Department of Labor shall send a certified copy of its findings to the public body authorizing the work and keep a record of its findings available for inspection by any interested party in the office of the Department of Labor at Springfield.

The public body except for the Department of Transportation with respect to highway contracts shall within 30 days after filing with the Department of Labor, or the Department of Labor shall within 30 days after filing with such public body, publish in a newspaper of general circulation within the area that the determination is

effective, a notice of its determination and shall promptly mail a copy of its determination to any employer, and to any association of employers and to any person or association of employees who have filed their names and addresses, requesting copies of any determination stating the particular rates and the particular class of workers whose wages will be affected by such rates.

At any time within 30 days after the Department of Labor has published on its official web site a prevailing wage schedule, any person affected thereby may object in writing to the determination or such part thereof as they may deem objectionable by filing a written notice with the public body or Department of Labor, whichever has made such determination, stating the specified grounds of the objection. It shall thereafter be the duty of the public body or Department of Labor to set a date for a hearing on the objection after giving written notice to the objectors at least 10 days before the date of the hearing and said notice shall state the time and place of such hearing. Such hearing by a public body shall be held within 45 days after the objection is filed, and shall not be postponed or reset for a later date except upon the consent, in writing, of all the objectors and the public body. If such hearing is not held by the public body within the time herein specified, the Department of Labor may, upon request of the objectors, conduct the hearing on behalf of the public body.

The public body or Department of Labor, whichever has made such determination, is authorized in its discretion to hear each written objection filed separately or consolidate for hearing any one or more written objections filed with them. At such hearing the public body or Department of Labor shall introduce in evidence the investigation it instituted which formed the basis of its determination, and the public body or Department of Labor, or any interested objectors may thereafter introduce such evidence as is material to the issue. Thereafter, the public body or Department of Labor, must rule upon the written objection and make such final determination as it believes the evidence warrants, and promptly file a certified copy of its final determination with such public body, and serve a copy by personal service or registered mail on all parties to the proceedings. The final determination by the Department of Labor or a public body shall be rendered within 30 days after the conclusion of the hearing.

If proceedings to review judicially the final determination of the public body or Department of Labor are not instituted as hereafter provided, such determination shall be final and binding.

The provisions of the Administrative Review Law, and all amendments and modifications thereof, and the rules adopted pursuant thereto, shall apply to and govern all proceedings for the judicial review of final administrative decisions of any public body or the Department of Labor hereunder. The term "administrative decision" is defined as in Section 3-101 of the Code of Civil Procedure.

Appeals from all final orders and judgments entered by the court in review of the final administrative decision of the

public body or Department of Labor, may be taken by any party to the action.

Any proceeding in any court affecting a determination of the Department of Labor or public body shall have priority in hearing and determination over all other civil proceedings pending in said court, except election contests.

In all reviews or appeals under this Act, it shall be the duty of the Attorney General to represent the Department of Labor, and defend its determination. The Attorney General shall not represent any public body, except the State, in any such review or appeal.
(Source: P.A. 98-173, eff. 1-1-14.)

(820 ILCS 130/10) (from Ch. 48, par. 39s-10)

Sec. 10. The presiding officer of the public body, or his or her authorized representative and the Director of the Department of Labor, or his or her authorized representative may interview workers, administer oaths, take or cause to be taken the depositions of witnesses, and require by subpoena the attendance and testimony of witnesses, and the production of all books, records, and other evidence relative to the matter under investigation or hearing. Such subpoena shall be signed and issued by such presiding officer or his or her authorized representative, or the Director or his or her authorized representative.

Upon request by the Director of Labor or his or her deputies or agents, records shall be copied and submitted for evidence at no cost to the Department of Labor. Every employer upon request shall furnish to the Director or his or her authorized representative, on demand, a sworn statement of the accuracy of the records. Any employer who refuses to furnish a sworn statement of the records is in violation of this Act.

In case of failure of any person to comply with any subpoena lawfully issued under this section or on the refusal of any witness to produce evidence or to testify to any matter regarding which he or she may be lawfully interrogated, it is the duty of any circuit court, upon application of such presiding officer or his or her authorized representative, or the Director or his or her authorized representative, to compel obedience by proceedings for contempt, as in the case of disobedience of the requirements of a subpoena issued by such court or a refusal to testify therein. Such presiding officer and the Director may certify to official acts.
(Source: P.A. 93-38, eff. 6-1-04.)

(820 ILCS 130/11) (from Ch. 48, par. 39s-11)

Sec. 11. No public works project shall be instituted unless the provisions of this Act have been complied with. The provisions of this Act shall not be applicable to Federal construction projects which require a prevailing wage determination by the United States Secretary of Labor. The Illinois Department of Labor represented by the Attorney General is empowered to sue for injunctive relief against the awarding of any contract or the continuation of work under any contract for public works at a time when the prevailing wage prerequisites have not been met. Any contract for public works

awarded at a time when the prevailing wage prerequisites had not been met shall be void as against public policy and the contractor is prohibited from recovering any damages for the voiding of the contract or pursuant to the terms of the contract. The contractor is limited to a claim for amounts actually paid for labor and materials supplied to the public body. Where objections to a determination of the prevailing rate of wages or a court action relative thereto is pending, the public body shall not continue work on the project unless sufficient funds are available to pay increased wages if such are finally determined or unless the Department of Labor certifies such determination of the prevailing rate of wages as correct.

Any laborer, worker or mechanic employed by the contractor or by any sub-contractor under him who is paid for his services in a sum less than the stipulated rates for work done under such contract, shall have a right of action for whatever difference there may be between the amount so paid, and the rates provided by the contract together with costs and such reasonable attorney's fees as shall be allowed by the court. Such contractor or subcontractor shall also be liable to the Department of Labor for 20% of such underpayments and shall be additionally liable to the laborer, worker or mechanic for punitive damages in the amount of 2% of the amount of any such penalty to the State for underpayments for each month following the date of payment during which such underpayments remain unpaid. Where a second or subsequent action to recover underpayments is brought against a contractor or subcontractor and the contractor or subcontractor is found liable for underpayments to any laborer, worker, or mechanic, the contractor or subcontractor shall also be liable to the Department of Labor for 50% of the underpayments payable as a result of the second or subsequent action, and shall be additionally liable for 5% of the amount of any such penalty to the State for underpayments for each month following the date of payment during which the underpayments remain unpaid. The Department shall also have a right of action on behalf of any individual who has a right of action under this Section. An action brought to recover same shall be deemed to be a suit for wages, and any and all judgments entered therein shall have the same force and effect as other judgments for wages. The action shall be brought within 5 years from the date of the failure to pay the wages or compensation. At the request of any laborer, workman or mechanic employed by the contractor or by any subcontractor under him who is paid less than the prevailing wage rate required by this Act, the Department of Labor may take an assignment of such wage claim in trust for the assigning laborer, workman or mechanic and may bring any legal action necessary to collect such claim, and the contractor or subcontractor shall be required to pay the costs incurred in collecting such claim.

(Source: P.A. 98-328, eff. 1-1-14.)

ADDENDUM D

(820 ILCS 130/11a) (from Ch. 48, par. 39s-11a)

Sec. 11a. The Director of the Department of Labor shall publish in the Illinois Register no less often than once each calendar quarter a list of contractors or subcontractors found to have disregarded their obligations to employees under this Act. The Department of Labor shall determine the contractors or subcontractors who, on 2 separate occasions within 5 years, have been determined to have violated the provisions of this Act. Upon such determination the Department shall notify the violating contractor or subcontractor. Such contractor or subcontractor shall then have 10 working days to request a hearing by the Department on the alleged violations. Failure to respond within the 10 working day period shall result in automatic and immediate placement and publication on the list. If the contractor or subcontractor requests a hearing within the 10 working day period, the Director shall set a hearing on the alleged violations. Such hearing shall take place no later than 45 calendar days after the receipt by the Department of Labor of the request for a hearing. The Department of Labor is empowered to promulgate, adopt, amend and rescind rules and regulations to govern the hearing procedure. No contract shall be awarded to a contractor or subcontractor appearing on the list, or to any firm, corporation, partnership or association in which such contractor or subcontractor has an interest until 4 years have elapsed from the date of publication of the list containing the name of such contractor or subcontractor.

A contractor or subcontractor convicted or found guilty under Section 5 or 6 of this Act shall be subject to an automatic and immediate debarment, thereafter prohibited from participating in any public works project for 4 years, with no right to a hearing.

(Source: P.A. 97-571, eff. 1-1-12.)

(820 ILCS 130/11b)

Sec. 11b. Discharge or discipline of "whistle blowers" prohibited.

(a) No person shall discharge, discipline, or in any other way discriminate against, or cause to be discharged, disciplined, or discriminated against, any employee or any authorized representative of employees by reason of the fact that the employee or representative has filed, instituted, or caused to be filed or instituted any proceeding under this Act, or has testified or is about to testify in any proceeding resulting from the administration or enforcement of this Act, or offers any evidence of any violation of this Act.

(b) Any employee or a representative of employees who believes that he has been discharged, disciplined, or otherwise discriminated against by any person in violation of subsection (a) of this Section may, within 30 days after the alleged violation occurs, apply to the Director of Labor for a review of the discharge, discipline, or alleged discrimination. A copy of the application shall be sent to the person who allegedly committed the violation, who shall be the respondent. Upon receipt of an application, the Director shall cause such investigation to be made as he or she deems appropriate. The investigation shall provide an opportunity

for a public hearing at the request of any party to the review to enable the parties to present information relating to the alleged violation. The parties shall be given written notice of the time and place of the hearing at least 5 days before the hearing. Upon receiving the report of the investigation, the Director shall make findings of fact. If the Director finds that a violation did occur, he or she shall issue a decision incorporating his or her findings and requiring the party committing the violation to take such affirmative action to abate the violation as the Director deems appropriate, including, but not limited to, the rehiring or reinstatement of the employee or representative of employees to his or her former position and compensating him or her for the time he or she was unemployed. The party committing the violation shall also be liable to the Department of Labor for a penalty of $5,000 for each violation of this Section. If the Director finds that there was no violation, he or she shall issue an order denying the application. An order issued by the Director under this Section shall be subject to judicial review under the Administrative Review Law.

(c) The Director shall adopt rules implementing this Section in accordance with the Illinois Administrative Procedure Act.

(Source: P.A. 94-488, eff. 1-1-06.)

(820 ILCS 130/12) (from Ch. 48, par. 39s-12)

Sec. 12. If any section, sentence, clause or part of this act, is for any reason held to be unconstitutional, such decision shall not affect the remaining portions of this act. The General Assembly hereby declares that it would have passed this Act, and each section, sentence, clause, or part thereof, irrespective of the fact that one or more sections, sentences, clauses, or parts might be declared unconstitutional.

(Source: Laws 1941, vol. 1, p. 703.)

ADDENDUM E

Public Works Debarred Contractors

NOTICE OF PUBLIC INFORMATION

LIST OF CONTRACTORS PROHIBITED FROM AN AWARD OF A CONTRACT OR A SUBCONTRACT FOR PUBLIC WORKS PROJECTS

Pursuant to section 11a of the Prevailing Wage Act, 820 ILCS 130/0.01-12 (2000), the Director of the Illinois Department of Labor gives notice that the following contractors and subcontractors have been found to have disregarded their obligations to employees under the Prevailing Wage Act on two (2) separate occasions and that they are prohibited from being awarded any contract or subcontract for a public works project:

Company	City Cottage Group, Inc.
Address	2907 South Wabash Avenue
City	Chicago
Zip	60616
IDOL Case	2008-PW-DA02-0631 2010-PW-DA08-0123
Prohibit Start Date	3/30/2012
Prohibit End Date	3/30/2016

Company	Champion Environmental Services, Inc.
Address	38 West End Drive
City	Gilberts
Zip	60136
IDOL Case	2009-PW-LL02-0743 2011-PW-RDW05-1039
Prohibit Start Date	6/1/2012
Prohibit End Date	6/1/2016

Company	V&R Landscaping
Address	2000 W. Roosevelt Road
City	West Chicago
Zip	60185
IDOL Case	2009-PW-AP09-0253 2011-PW-AP10-0317
Prohibit Start Date	8/10/2012
Prohibit End Date	8/10/2016

Company	Tree and Land, Inc.
Address	P.O. Box 698
City	Minooka
Zip	60447
IDOL Case	2008-PW-DA10-0330 2012-PW-RDW07-0027
Prohibit Start Date	3/22/2013
Prohibit End Date	3/22/2017

Company	I.M. Electric
Address	8953 Hanslik Court
City	Naperville
Zip	60564-5809
IDOL Case	2010-PW-DA02-0762 2010-PW-DA02-0763 2012-PW-RW07-0054
Prohibit Start Date	12/9/2013
Prohibit End Date	12/9/2017

Company	Exterior Construction Specialists, LLC.
Address	3920 Hawthrone Court
City	Waukegan
Zip	60087
IDOL Case	2011-PW-DC02-0672 2013-PW-WJ04-0705 2013-PW-WJ04-0709 2013-PW-WJ06-0912
Prohibit Start Date	1/22/2014
Prohibit End Date	1/22/2018

In addition pursuant to the Prevailing Wage Act and the Administrative Code debarment of the captioned companies applies to any firm, corporation, partnership, association in which such contractors have an interest as well as all its directors, officers, agents, representatives or other controlling persons who have acting through or on behalf of the entities which are prohibited from being awarded any contract or subcontract for a public works project. The below listed are included in this category (this is not an exhaustive list):

Company	Dem/Ex Group, Inc.	Company	Gire Construction, Inc./aka Gire Roofing
Affected Individuals and Other Entities	Daniel Saal	Affected Individuals and Other Entities	Ed Gire
Company	American Painting, Inc.	Company	V&R Landscaping
Affected Individuals and Other Entities	Gary Bens	Affected Individuals and Other Entities	Vito Roppo
Company	Tree and Land, Inc.	Company	I.M. Electric
Affected Individuals and Other Entities	Karen J. Matan	Affected Individuals and Other Entities	Ivan Milivojevic
Company	Exterior Construction Specialists, LLC.		
Affected Individuals and Other Entities	Joshua Herion		

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

SPECIAL PROVISION FOR SELECTION OF LABOR

Effective: August 1, 2010

The Contractor shall comply with all Illinois statutes pertaining to the selection of labor.

Employment of Illinois Workers During Periods of Excessive Unemployment. Whenever there is a period of excessive unemployment in Illinois, which is defined herein as any month immediately following two consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded five percent as measured by the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the Contractor shall employ at least 90% Illinois laborers. "Illinois laborer" means any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident.

Other laborers may be used when Illinois laborers as defined herein are not available, or are incapable of performing the particular type of work involved, if so certified by the Contractor and approved by the Engineer. The Contractor may place no more than three of his regularly employed non-resident executive and technical experts, who do not qualify as Illinois laborers, to do work encompassed by this Contract during a period of excessive unemployment.

This provision applies to all labor, whether skilled, semi-skilled or unskilled, whether manual or non-manual.

ADDENDUM G

Cook 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	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630
CEMENT MASON		ALL		43.750	45.750	2.0	1.5	2.0	13.05	14.45	0.000	0.480
CERAMIC TILE FNSHER		BLD		36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000	0.770
COMM. ELECT.		BLD		40.000	42.800	1.5	1.5	2.0	8.670	12.57	1.100	0.750
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	11.06	15.75	0.000	0.480
ELECTRICIAN		ALL		45.000	48.000	1.5	1.5	2.0	13.83	15.27	0.000	1.000
ELEVATOR CONSTRUCTOR		BLD		50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600
FENCE ERECTOR		ALL		37.340	39.340	1.5	1.5	2.0	13.05	12.06	0.000	0.300
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		44.200	46.200	2.0	2.0	2.0	13.65	21.14	0.000	0.350
LABORER		ALL		39.200	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500
LATHER		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.39	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

ADDENDUM G

MILLWRIGHT	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.39	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	11.05	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
ORNAMNTL IRON WORKER	ALL	45.000	47.500	2.0	2.0	2.0	13.55	17.94	0.000	0.650
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
PILEDRIVER	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.39	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

ADDENDUM G

ROOFER		BLD	41.000	44.000	1.5	1.5	2.0	8.280	10.54	0.000	0.530
SHEETMETAL WORKER		BLD	42.230	45.610	1.5	1.5	2.0	10.53	20.68	0.000	0.720
SIGN HANGER		BLD	31.310	33.810	1.5	1.5	2.0	4.850	3.280	0.000	0.000
SPRINKLER FITTER		BLD	49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550
STEEL ERECTOR		ALL	42.070	44.070	2.0	2.0	2.0	13.45	19.59	0.000	0.350
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	E	ALL 1	35.480	35.680	1.5	1.5	2.0	8.350	10.50	0.000	0.150
TRUCK DRIVER	E	ALL 2	34.100	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	E	ALL 3	34.300	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	E	ALL 4	34.500	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	W	ALL 1	35.600	35.800	1.5	1.5	1.5	8.250	9.140	0.000	0.150
TRUCK DRIVER	W	ALL 2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W	ALL 3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W	ALL 4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TUCKPOINTER		BLD	43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670

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

ADDENDUM G

Explanations

COOK 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.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

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 ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate,

travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

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

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

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300

ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

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

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

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

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non

ADDENDUM G

Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

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

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

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

Class 6. Field Mechanics and Field Welders

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

OPERATING 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.

ADDENDUM G

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.

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 - EAST & WEST

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.

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".

ADDENDUM H

Du Page 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	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630
CEMENT MASON		ALL		43.750	45.750	2.0	1.5	2.0	13.05	14.45	0.000	0.480
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		32.650	34.750	1.5	1.5	2.0	9.550	15.16	1.250	0.610
ELECTRIC PWR EQMT OP		ALL		37.890	51.480	1.5	1.5	2.0	5.000	11.75	0.000	0.380
ELECTRIC PWR EQMT OP		HWY		39.220	53.290	1.5	1.5	2.0	5.000	12.17	0.000	0.390
ELECTRIC PWR GRNDMAN		ALL		29.300	51.480	1.5	1.5	2.0	5.000	9.090	0.000	0.290
ELECTRIC PWR GRNDMAN		HWY		30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR LINEMAN		ALL		45.360	51.480	1.5	1.5	2.0	5.000	14.06	0.000	0.450
ELECTRIC PWR LINEMAN		HWY		46.950	53.290	1.5	1.5	2.0	5.000	14.56	0.000	0.470
ELECTRIC PWR TRK DRV		ALL		30.340	51.480	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR TRK DRV		HWY		31.400	53.290	1.5	1.5	2.0	5.000	9.730	0.000	0.310
ELECTRICIAN		BLD		38.160	41.980	1.5	1.5	2.0	9.550	18.29	4.680	0.680
ELEVATOR CONSTRUCTOR		BLD		50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600
FENCE ERECTOR	NE	ALL		37.340	39.340	1.5	1.5	2.0	13.05	12.06	0.000	0.300
FENCE ERECTOR	W	ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
GLAZIER		BLD		40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000	0.940
HT/FROST INSULATOR		BLD		48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000	0.720
IRON WORKER	E	ALL		44.200	46.200	2.0	2.0	2.0	13.65	21.14	0.000	0.350
IRON WORKER	W	ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700

ADDENDUM H

LABORER	ALL	39.200	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500
LATHER	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.39	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	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630
OPERATING ENGINEER	BLD 1	48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 2	46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 3	44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 4	42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 5	51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 6	49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 7	51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	FLT	36.000	36.000	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER	HWY 1	46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 2	45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 3	43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 4	42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 5	41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 6	49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 7	47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
ORNAMNTL IRON WORKER E	ALL	45.000	47.500	2.0	2.0	2.0	13.55	17.94	0.000	0.650
ORNAMNTL IRON WORKER W	ALL	45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
PAINTER	ALL	41.730	43.730	1.5	1.5	1.5	10.30	8.200	0.000	1.350
PAINTER SIGNS	BLD	33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIVER	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630

ADDENDUM H

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	10.05	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
STEEL ERECTOR	E	ALL	42.070	44.070	2.0	2.0	2.0	13.45	19.59	0.000	0.350
STEEL ERECTOR	W	ALL	45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
STONE MASON		BLD	43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
~~SURVEY WORKER~~		->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	35.920	36.120	1.5	1.5	2.0	8.280	8.760	0.000	0.150
TRUCK DRIVER		ALL 2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL 3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL 4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TUCKPOINTER		BLD	42.620	43.620	1.5	1.5	2.0	10.05	13.34	0.000	0.670

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

ADDENDUM H

Explanations

DUPAGE COUNTY

IRON WORKERS AND FENCE ERECTOR (WEST) - West of Route 53.

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.

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.

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

Low voltage installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

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

marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

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

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

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

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

ADDENDUM H

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

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

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

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

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

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

Class 6. Field Mechanics and Field Welders

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

OPERATING ENGINEER - FLOATING

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

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

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 yeards; 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".

ADDENDUM I

Kane County Prevailing Wage for July 2015

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
ASBESTOS ABT-GEN		ALL		39.400	39.950	1.5	1.5	2.0	13.42	11.28	0.000	0.500
ASBESTOS ABT-MEC		BLD		36.340	38.840	1.5	1.5	2.0	11.47	10.96	0.000	0.720
BOILERMAKER		BLD		47.070	51.300	2.0	2.0	2.0	6.970	18.13	0.000	0.400
BRICK MASON		BLD		43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
CARPENTER		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
CEMENT MASON		ALL		43.000	45.000	2.0	1.5	2.0	10.00	18.27	0.000	0.500
CERAMIC TILE FNSHER		BLD		36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000	0.770
COMMUNICATION TECH	N	BLD		36.360	38.460	1.5	1.5	2.0	12.27	10.25	0.000	0.640
COMMUNICATION TECH	S	BLD		38.620	40.720	1.5	1.5	2.0	10.19	10.81	0.000	1.350
ELECTRIC PWR EQMT OP		ALL		37.890	51.480	1.5	1.5	2.0	5.000	11.75	0.000	0.380
ELECTRIC PWR EQMT OP		HWY		39.220	53.290	1.5	1.5	2.0	5.000	12.17	0.000	0.390
ELECTRIC PWR GRNDMAN		ALL		29.300	51.480	1.5	1.5	2.0	5.000	9.090	0.000	0.290
ELECTRIC PWR GRNDMAN		HWY		30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR LINEMAN		ALL		45.360	51.480	1.5	1.5	2.0	5.000	14.06	0.000	0.450
ELECTRIC PWR LINEMAN		HWY		46.950	53.290	1.5	1.5	2.0	5.000	14.56	0.000	0.470
ELECTRIC PWR TRK DRV		ALL		30.340	51.480	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR TRK DRV		HWY		31.400	53.290	1.5	1.5	2.0	5.000	9.730	0.000	0.310
ELECTRICIAN	N	ALL		43.750	48.130	1.5	1.5	2.0	14.66	12.31	0.000	0.880
ELECTRICIAN	S	BLD		45.950	50.550	1.5	1.5	2.0	10.57	12.87	0.000	1.610
ELEVATOR CONSTRUCTOR		BLD		50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600
FENCE ERECTOR		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
GLAZIER		BLD		40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000	0.940
HT/FROST INSULATOR		BLD		48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000	0.720
IRON WORKER		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700

ADDENDUM I

LABORER	ALL	39.200	39.950	1.5	1.5	2.0	13.42	11.28	0.000	0.500
LATHER	ALL	42.520	44.520	1.5	1.5	2.0	13.29	12.76	0.000	0.630
MACHINIST	BLD	45.350	47.850	1.5	1.5	2.0	7.260	8.950	1.850	0.000
MARBLE FINISHERS	ALL	32.400	34.320	1.5	1.5	2.0	10.05	13.75	0.000	0.620
MARBLE MASON	BLD	43.030	47.330	1.5	1.5	2.0	10.05	14.10	0.000	0.780
MATERIAL TESTER I	ALL	29.200	0.000	1.5	1.5	2.0	13.42	11.28	0.000	0.500
MATERIALS TESTER II	ALL	34.200	0.000	1.5	1.5	2.0	13.42	11.28	0.000	0.500
MILLWRIGHT	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
OPERATING ENGINEER	BLD 1	48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 2	46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 3	44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 4	42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 5	51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 6	49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 7	51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	FLT	36.000	36.000	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER	HWY 1	46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 2	45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 3	43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 4	42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 5	41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 6	49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 7	47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
ORNAMNTL IRON WORKER	ALL	45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
PAINTER	ALL	41.730	43.730	1.5	1.5	1.5	10.30	8.200	0.000	1.350
PAINTER SIGNS	BLD	33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIVER	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
PIPEFITTER	BLD	46.000	49.000	1.5	1.5	2.0	9.000	15.85	0.000	1.780

ADDENDUM I

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
SIGN HANGER	BLD	26.070	27.570	1.5	1.5	2.0	3.800	3.550	0.000	0.000
SPRINKLER FITTER	BLD	49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550
STEEL ERECTOR	ALL	45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
STONE MASON	BLD	43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
~~SURVEY WORKER~~	->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	35.920	36.120	1.5	1.5	2.0	8.280	8.760	0.000	0.150
TRUCK DRIVER	ALL 2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER	ALL 3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER	ALL 4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TUCKPOINTER	BLD	43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670

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

ADDENDUM I

Explanations

KANE COUNTY

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

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

EXPLANATION OF CLASSES

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

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

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable

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

COMMUNICATIONS TECHNICIAN

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

MARBLE FINISHER

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

sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

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

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

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

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

ADDENDUM I

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

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

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

pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

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

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

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

Class 6. Field Mechanics and Field Welders

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

OPERATING ENGINEERS - FLOATING

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

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

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

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

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or

similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

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

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

TERRAZZO FINISHER

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

Other Classifications of Work:

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

LANDSCAPING

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

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the

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

ADDENDUM J

Lake 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	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630
CEMENT MASON		ALL		42.050	44.050	2.0	1.5	2.0	10.00	19.24	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		35.130	37.230	1.5	1.5	2.0	11.07	11.77	0.000	0.530
ELECTRIC PWR EQMT OP		ALL		0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000	0.000
ELECTRIC PWR EQMT OP		HWY		39.220	53.290	1.5	1.5	2.0	5.000	12.17	0.000	0.390
ELECTRIC PWR GRNDMAN		ALL		30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR GRNDMAN		HWY		30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR LINEMAN		ALL		45.360	51.480	1.5	1.5	2.0	5.000	14.06	0.000	0.450
ELECTRIC PWR LINEMAN		HWY		46.950	53.290	1.5	1.5	2.0	5.000	14.56	0.000	0.470
ELECTRIC PWR TRK DRV		ALL		30.340	51.480	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR TRK DRV		HWY		31.400	53.290	1.5	1.5	2.0	5.000	9.730	0.000	0.310
ELECTRICIAN		BLD		39.400	43.340	1.5	1.5	2.0	13.59	15.71	0.000	0.640
ELEVATOR CONSTRUCTOR		BLD		50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600
FENCE ERECTOR		ALL		37.340	39.340	1.5	1.5	2.0	13.05	12.06	0.000	0.300
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		44.200	46.200	2.0	2.0	2.0	13.65	21.14	0.000	0.350
LABORER		ALL		39.200	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500
LATHER		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630

ADDENDUM J

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	46.350	1.5	1.5	2.0	11.79	16.39	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										
ORNAMNTL IRON WORKER	ALL		45.000	47.500	2.0	2.0	2.0	13.55	17.94	0.000
0.650										
PAINTER	ALL		41.750	46.500	1.5	1.5	1.5	11.50	11.10	0.000
0.770										

ADDENDUM J

PAINTER SIGNS	BLD	33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIVER	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.39	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	42.230	45.610	1.5	1.5	2.0	10.53	20.68	0.000	0.720
SIGN HANGER	BLD	31.310	33.810	1.5	1.5	2.0	4.850	3.280	0.000	0.000
SPRINKLER FITTER	BLD	49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550
STEEL ERECTOR	ALL	42.070	44.070	2.0	2.0	2.0	13.45	19.59	0.000	0.350
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	36.560	36.760	1.5	1.5	2.0	9.070	7.050	0.000	0.000
TRUCK DRIVER	ALL 2	36.000	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER	ALL 3	36.200	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER	ALL 4	36.400	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TUCKPOINTER	BLD	43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670

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

ADDENDUM J

Explanations

LAKE 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.

COMMUNICATION TECHNICIAN

Low voltage construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including outside plant, telephone, security systems and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

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

treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

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

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

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

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

ADDENDUM J

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

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

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

ADDENDUM J

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.

ADDENDUM J

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".

ADDENDUM K

McHenry 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	13.42	11.28	0.000	0.500
ASBESTOS ABT-MEC		BLD		36.340	38.840	1.5	1.5	2.0	11.47	10.96	0.000	0.720
BOILERMAKER		BLD		47.070	51.300	2.0	2.0	2.0	6.970	18.13	0.000	0.400
BRICK MASON		BLD		43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
CARPENTER		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
CEMENT MASON		ALL		43.000	45.000	2.0	1.5	2.0	10.00	18.27	0.000	0.500
CERAMIC TILE FNSHER		BLD		36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000	0.770
COMMUNICATION TECH		BLD		36.360	38.460	1.5	1.5	2.0	12.27	10.25	0.000	0.640
ELECTRIC PWR EQMT OP		ALL		37.890	51.480	1.5	1.5	2.0	5.000	11.75	0.000	0.380
ELECTRIC PWR EQMT OP		HWY		39.220	53.290	1.5	1.5	2.0	5.000	12.17	0.000	0.390
ELECTRIC PWR GRNDMAN		ALL		29.300	51.480	1.5	1.5	2.0	5.000	9.090	0.000	0.290
ELECTRIC PWR GRNDMAN		HWY		30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR LINEMAN		ALL		45.360	51.480	1.5	1.5	2.0	5.000	14.06	0.000	0.450
ELECTRIC PWR LINEMAN		HWY		46.950	53.290	1.5	1.5	2.0	5.000	14.56	0.000	0.470
ELECTRIC PWR TRK DRV		ALL		30.340	51.480	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR TRK DRV		HWY		31.400	53.290	1.5	1.5	2.0	5.000	9.730	0.000	0.310
ELECTRICIAN		ALL		43.750	48.130	1.5	1.5	2.0	14.66	12.31	0.000	0.880
ELEVATOR CONSTRUCTOR		BLD		50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600
FENCE ERECTOR	E	ALL		37.340	39.340	1.5	1.5	2.0	13.05	12.06	0.000	0.300
FENCE ERECTOR	S	ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
GLAZIER		BLD		40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000	0.940
HT/FROST INSULATOR		BLD		48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000	0.720
IRON WORKER	E	ALL		44.200	46.200	2.0	2.0	2.0	13.65	21.14	0.000	0.350
IRON WORKER	S	ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700

ADDENDUM K

IRON WORKER	W	ALL	36.290	38.100	2.0	2.0	2.0	10.24	23.19	0.000	0.500
LABORER		ALL	39.200	39.950	1.5	1.5	2.0	13.42	11.28	0.000	0.500
LATHER		ALL	42.520	44.520	1.5	1.5	2.0	13.29	12.76	0.000	0.630
MACHINIST		BLD	45.350	47.850	1.5	1.5	2.0	7.260	8.950	1.850	0.000
MARBLE FINISHERS		ALL	32.400	34.320	1.5	1.5	2.0	10.05	13.75	0.000	0.620
MARBLE MASON		BLD	43.030	47.330	1.5	1.5	2.0	10.05	14.10	0.000	0.780
MATERIAL TESTER I		ALL	29.200	0.000	1.5	1.5	2.0	13.42	11.28	0.000	0.500
MATERIALS TESTER II		ALL	34.200	0.000	1.5	1.5	2.0	13.42	11.28	0.000	0.500
MILLWRIGHT		ALL	44.350	46.350	1.5	1.5	2.0	11.79	12.76	0.000	0.630
OPERATING ENGINEER		BLD 1	48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 2	46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 3	44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 4	42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 5	51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 6	49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 7	51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		FLT	36.000	36.000	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER		HWY 1	46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 2	45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 3	43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 4	42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 5	41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 6	49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 7	47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
ORNAMNTL IRON WORKER E		ALL	45.000	47.500	2.0	2.0	2.0	13.55	17.94	0.000	0.650
ORNAMNTL IRON WORKER S		ALL	45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.400
PAINTER		ALL	41.730	43.730	1.5	1.5	1.5	10.30	8.200	0.000	1.350
PAINTER SIGNS		BLD	33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000

ADDENDUM K

PILEDRIVER		ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
PIPEFITTER		BLD	46.000	49.000	1.5	1.5	2.0	9.000	15.85	0.000	1.780
PLASTERER		BLD	43.430	46.040	1.5	1.5	2.0	13.05	14.43	0.000	1.020
PLUMBER		BLD	46.650	48.650	1.5	1.5	2.0	13.18	11.46	0.000	0.880
ROOFER		BLD	41.000	44.000	1.5	1.5	2.0	8.280	10.54	0.000	0.530
SHEETMETAL WORKER		BLD	44.720	46.720	1.5	1.5	2.0	10.65	13.31	0.000	0.820
SIGN HANGER		BLD	26.070	27.570	1.5	1.5	2.0	3.800	3.550	0.000	0.000
SPRINKLER FITTER		BLD	49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550
STEEL ERECTOR	E	ALL	42.070	44.070	2.0	2.0	2.0	13.45	19.59	0.000	0.350
STEEL ERECTOR	S	ALL	45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
STONE MASON		BLD	43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
~~SURVEY WORKER~~		->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	36.560	36.760	1.5	1.5	2.0	9.070	7.050	0.000	0.000
TRUCK DRIVER		ALL 2	36.000	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER		ALL 3	36.200	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER		ALL 4	36.400	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TUCKPOINTER		BLD	43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670

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

ADDENDUM K

Explanations

MCHENRY COUNTY

FENCE ERECTOR (EAST) - That part of the county East and Northeast of a line following Route 31 North to Route 14, northwest to Route 47 north to the Wisconsin State Line.

IRONWORKERS (EAST) - That part of the county East of Rts. 47 and 14.

IRONWORKERS (SOUTH) - That part of the county South of Route 14 and East of Route 47.

IRONWORKERS (WEST) - That part of the county West of Route 47.

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.

ADDENDUM K

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

CERAMIC TILE FINISHER

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

COMMUNICATIONS TECHNICIAN

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

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of

material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

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

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

ADDENDUM K

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

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

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

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

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck

ADDENDUM K

Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

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

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

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

Class 6. Field Mechanics and Field Welders

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

OPERATING ENGINEERS - FLOATING

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

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

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

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck

ADDENDUM K

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 yeards; 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".

ADDENDUM L

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

ADDENDUM L

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
PILEDRIVER	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

ADDENDUM L

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
TUCKPOINTER	BLD	43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670

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

ADDENDUM L

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

ADDENDUM L

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

ADDENDUM L

Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

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

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

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

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

ADDENDUM L

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 yeards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

ADDENDUM L

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.

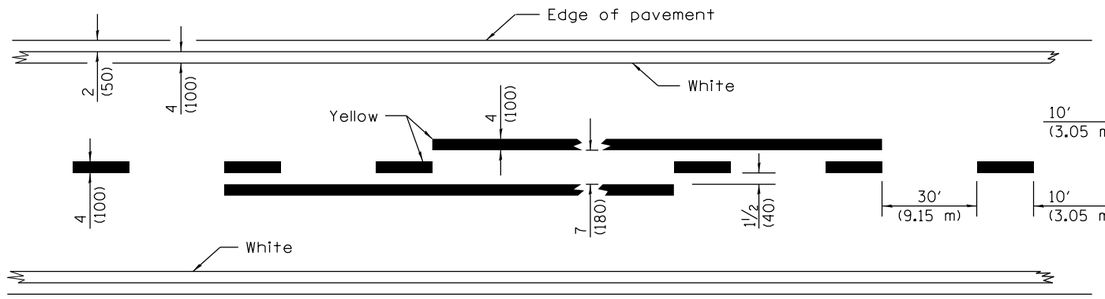
LANDSCAPING

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.

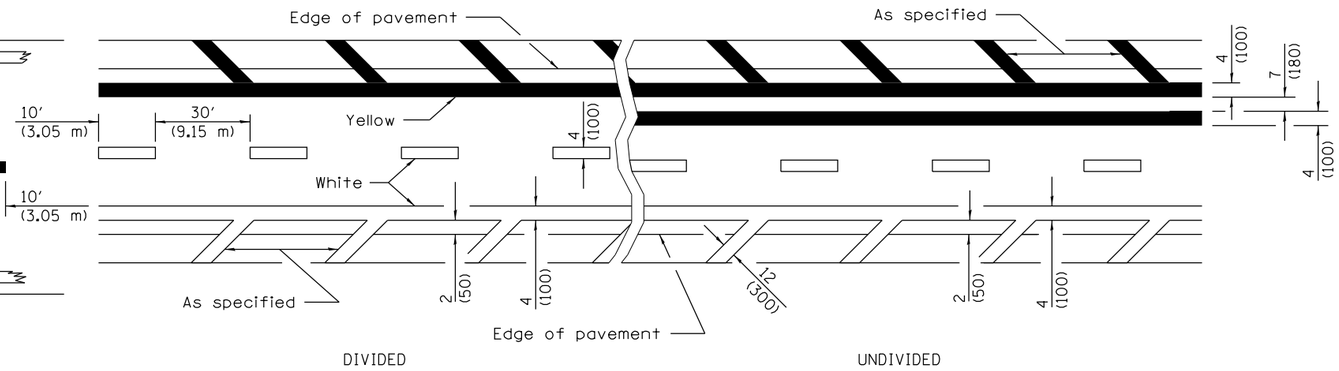
MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

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".

ADDENDUM M

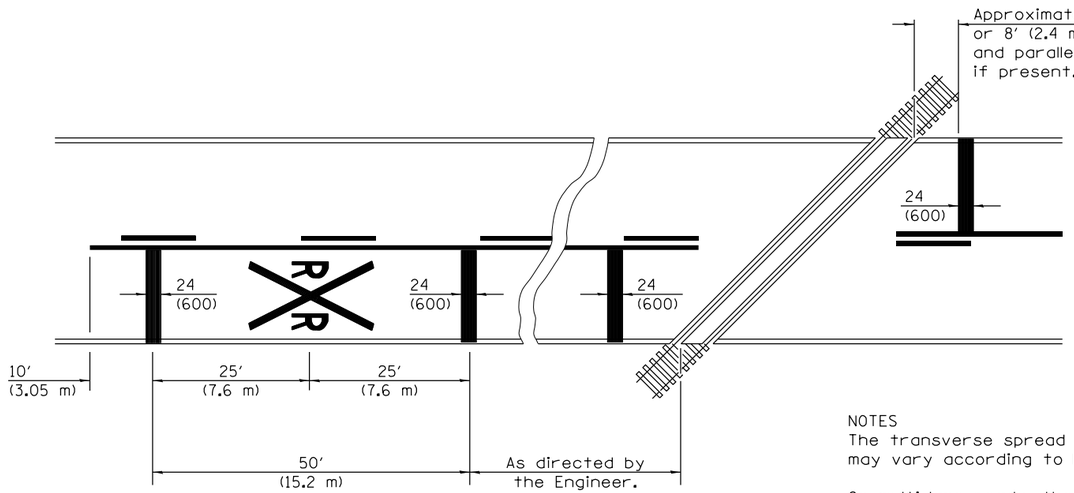


2 LANE



MULTI LANE

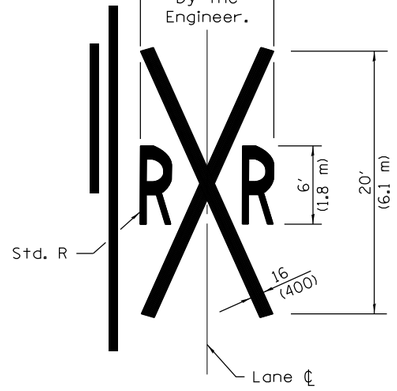
LANE AND EDGE LINES



NOTES
The transverse spread of the "X" may vary according to lane width.

On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.

When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 2C-4, Condition B of the MUTCD.



PAVEMENT MARKINGS AT RAILROAD–HIGHWAY GRADE CROSSING

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

Illinois Department of Transportation

APPROVED January 1, 2014
ENGINEER OF OPERATIONS
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

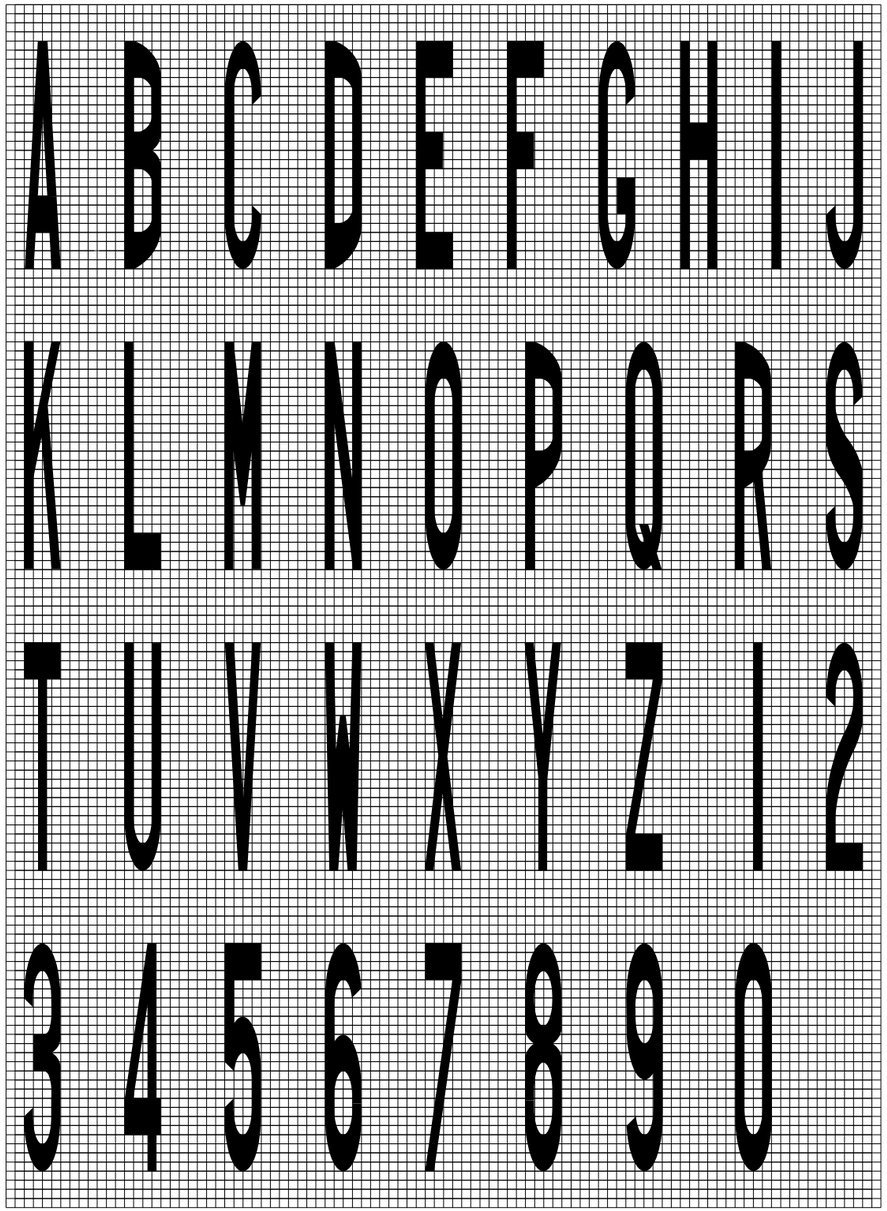
ISSUED 1-1-97

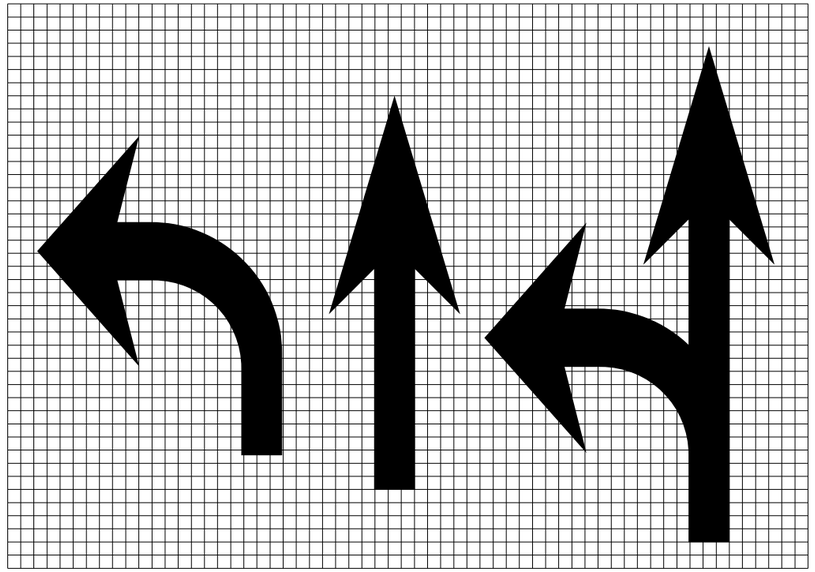
DATE	REVISIONS
1-1-14	Added bike symbol. Renamed
	'LANE DROP ARROW' detail to
	'LANE-REDUCTION ARROW'.
1-1-12	Updated reference to
	current MUTCD table in
	notes.

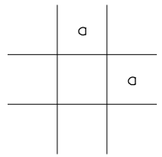
TYPICAL PAVEMENT MARKINGS

(Sheet 1 of 2)

STANDARD 780001–04



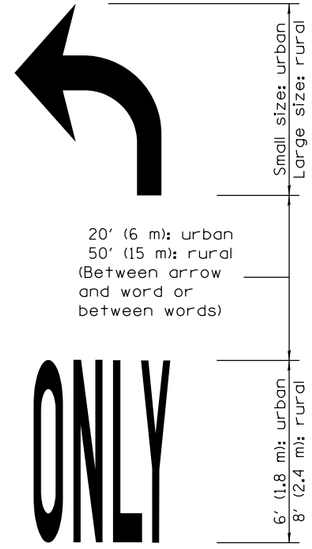




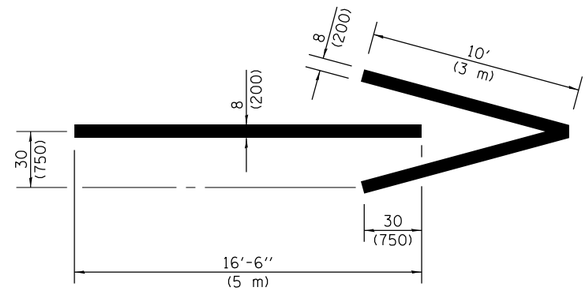
Legend Height	Arrow Size	a
6′ (1.8 m)	Small	2.9 (74)
8′ (2.4 m)	Large	3.8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6′ (1.8 m) legend and 4 (100) for 8′ (2.4 m) legend.

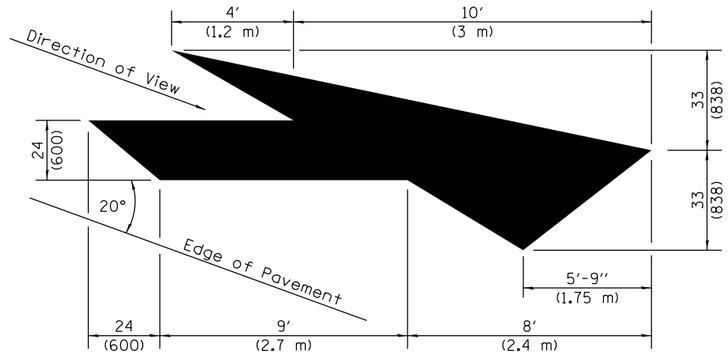
LETTER AND ARROW GRID SCALE



WORD AND ARROW LAYOUT

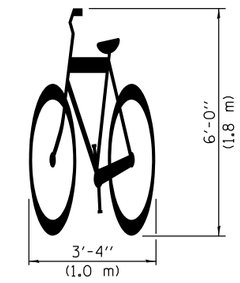


WRONG WAY ARROW



LANE–REDUCTION ARROW

Right lane-reduction arrow shown.
Use mirror image for left lane.



BIKE SYMBOL

Illinois Department of Transportation

APPROVED January 1. 2014
ENGINEER OF OPERATIONS

APPROVED January 1. 2014
ENGINEER OF DESIGN AND ENVIRONMENT

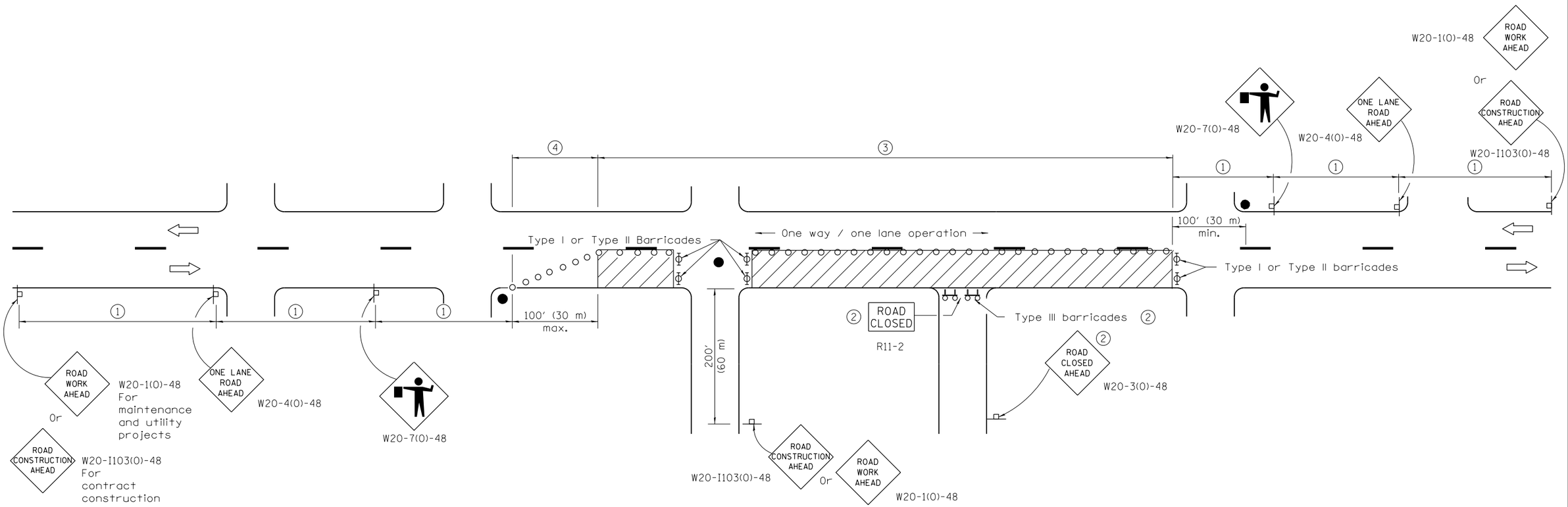
ISSUED 1-1-97

TYPICAL PAVEMENT MARKINGS

(Sheet 2 of 2)

STANDARD 780001–04

ADDENDUM N



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

SYMBOLS

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

(1) Refer to SIGN SPACING TABLE for distances.

(2) For approved sideroad closures.

(3) Cones at 25′ (8 m) centers for 250′ (75 m). Additional cones may be placed at 50′ (15 m) centers. When drums or Type I or Type II barricades are used. the interval between devices may be doubled.

(4) Cones, drums or barricades at 20′ (6 m) centers.

GENERAL NOTES

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

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

Illinois Department of Transportation

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

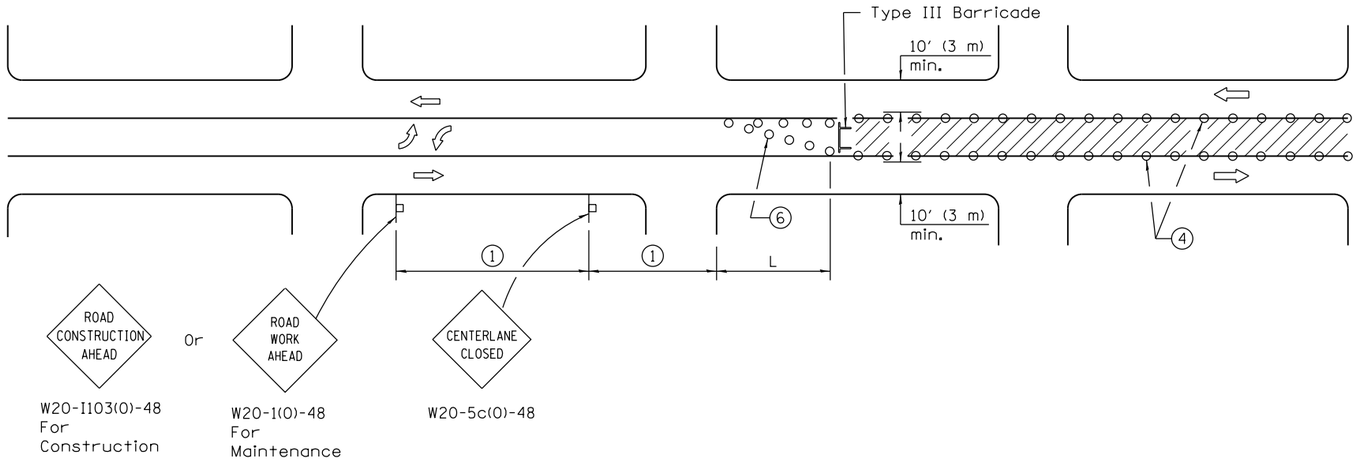
ISSUED 1-1-97

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

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

STANDARD 701501–06

ADDENDUM O



CASE I

(Signs required for both directions)

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

SYMBOLS

- Work area
- Barricade or drum with flashing light
- Flagger with traffic control sign
- Cone, drum or barricade (Cones for daytime use only)
- Sign on portable or permanent support

(1) Refer to SIGN SPACING TABLE for distances.

(2) Required for speeds > 40 mph (70 km/h).

(3) Required if work exceeds 500' (164 m) or 1 block.

(4) Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 15 m (50') centers. When drums or type I or II barricades are used, the interval between devices may be doubled.

(5) For approved sideroad closures.

(6) Cones, drums or barricades at 20' (6 m) centers in taper.

(7) Use flagger sign only when flagger is present.

GENERAL NOTES

This Standard is used to close one lane of an urban, two lane, two way roadway with a bidirectional turn lane.

Case I applies when no workers are present. When workers are present, two lanes shall be closed and traffic control shall be according to Standard 701501.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	FORMULAS (Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

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

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

Illinois Department of Transportation

APPROVED January 1, 2014
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

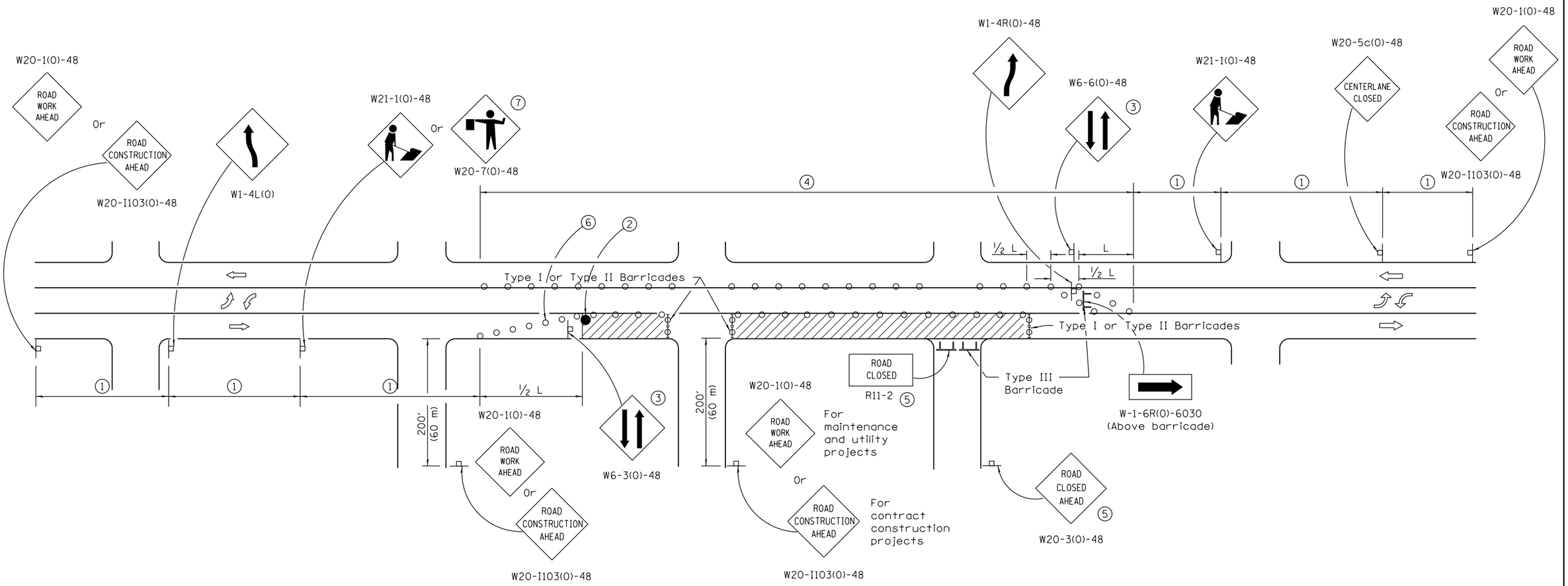
ISSUED 1-1-01

DATE	REVISIONS
1-1-14	Omitted original note (4).
	Rev. workers sign no. to
	agree with current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 1 of 2)

STANDARD 701502-06



CASE II

Illinois Department of Transportation

APPROVED January 1, 2014
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

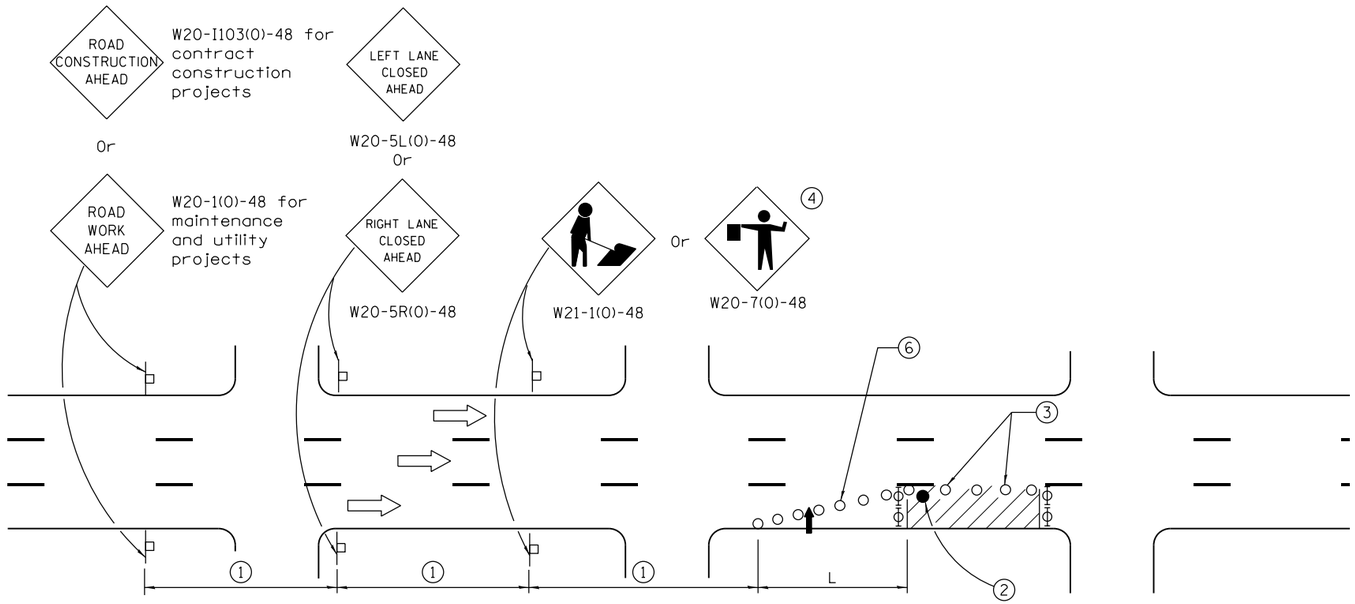
ISSUED 1-1-01

URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 2 of 2)

STANDARD 701502–06

ADDENDUM P



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

SYMBOLS

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

(1) Refer to SIGN SPACING TABLE for distances.

(2) Required for speeds > 40 MPH

(3) Cones at 25′ (8 m) centers for 250′ (75 m). Additional cones may be placed at 50′ (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.

(4) Use flagger sign only when flagger is present.

(5) For approved sideroad closures.

(6) Cones, drums or barricades at 20′ (6 m) in taper.

GENERAL NOTES

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

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

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

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

Illinois Department of Transportation

APPROVED January 1. 2014
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1. 2014
ENGINEER OF DESIGN AND ENVIRONMENT

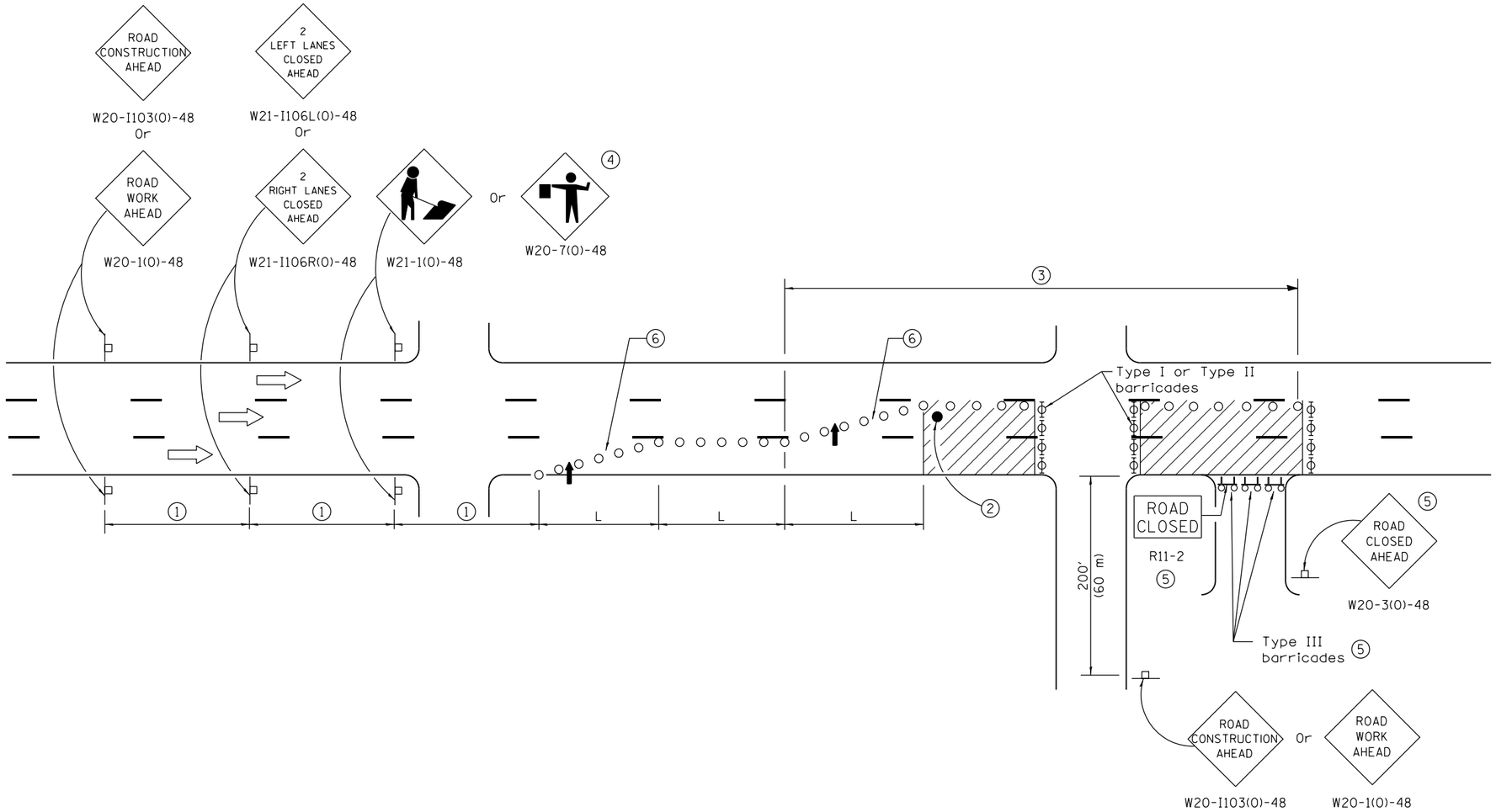
ISSUED 1-1-97

DATE	REVISIONS
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

(Sheet 1 of 2)

STANDARD 701601–09



Illinois Department of Transportation

APPROVED January 1. 2014
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1. 2014
ENGINEER OF DESIGN AND ENVIRONMENT

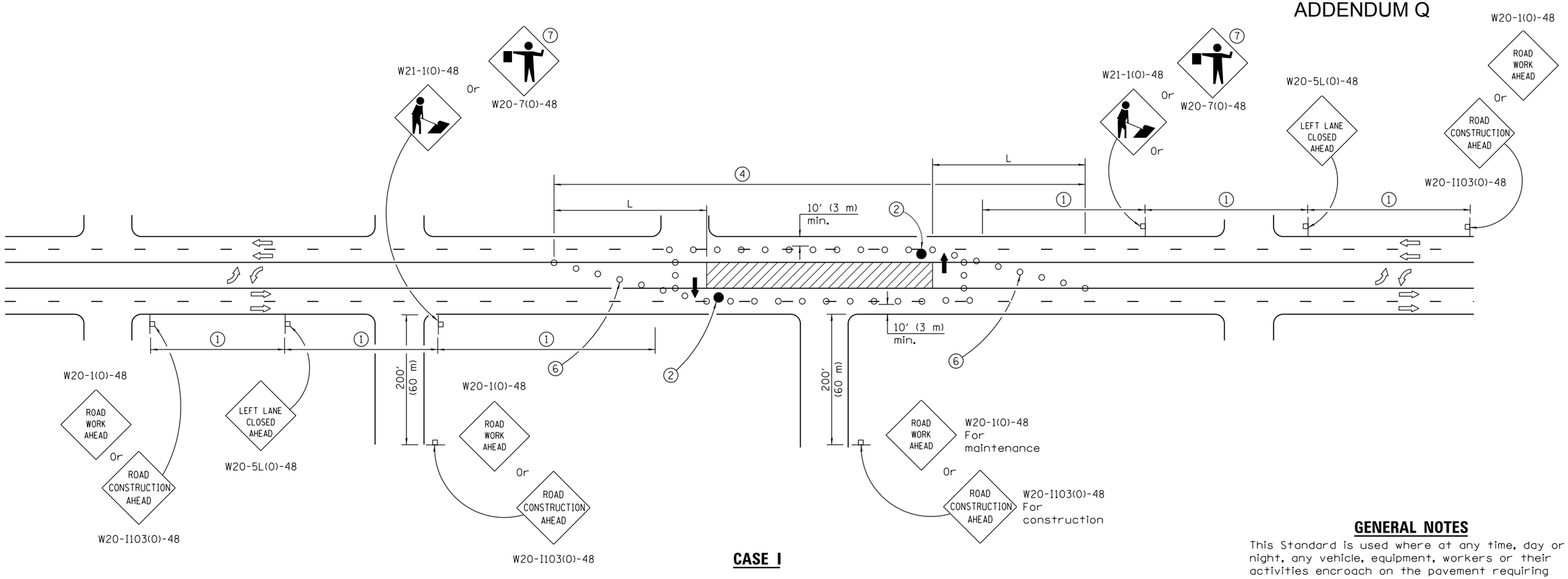
ISSUED 1-1-97

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

(Sheet 2 of 2)

STANDARD 701601–09

ADDENDUM Q



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

SYMBOLS

- Arrow board
- Work area
- Barricade or drum with steady burning mondirectional light
- Flagger with traffic control sign
- Cone, drum or barricade (Cones for daytime use only)
- Sign on portable or permanent support
- Type III Barricade

CASE I

1. Refer to SIGN SPACING TABLE for distances.
2. Required for speeds > 40 mph (70 km/h).
3. Required if work exceeds 500' (164 m) or 1 block, repeat every 1 mile (1.6 km).
4. 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 II barricades are used, the interval between devices may be doubled.
5. For approved sideroad closures.
6. Cones, drums or barricades at 20' (6 m) centers in taper.
7. Use flagger sign only when flagger is present.

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.

If the work operation is performed between 9:00 a.m. and 3:00 p.m. and does not exceed 15 min. Traffic protection shall be as shown for Standard 701426.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

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

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

Illinois Department of Transportation

APPROVED January 1, 2014
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

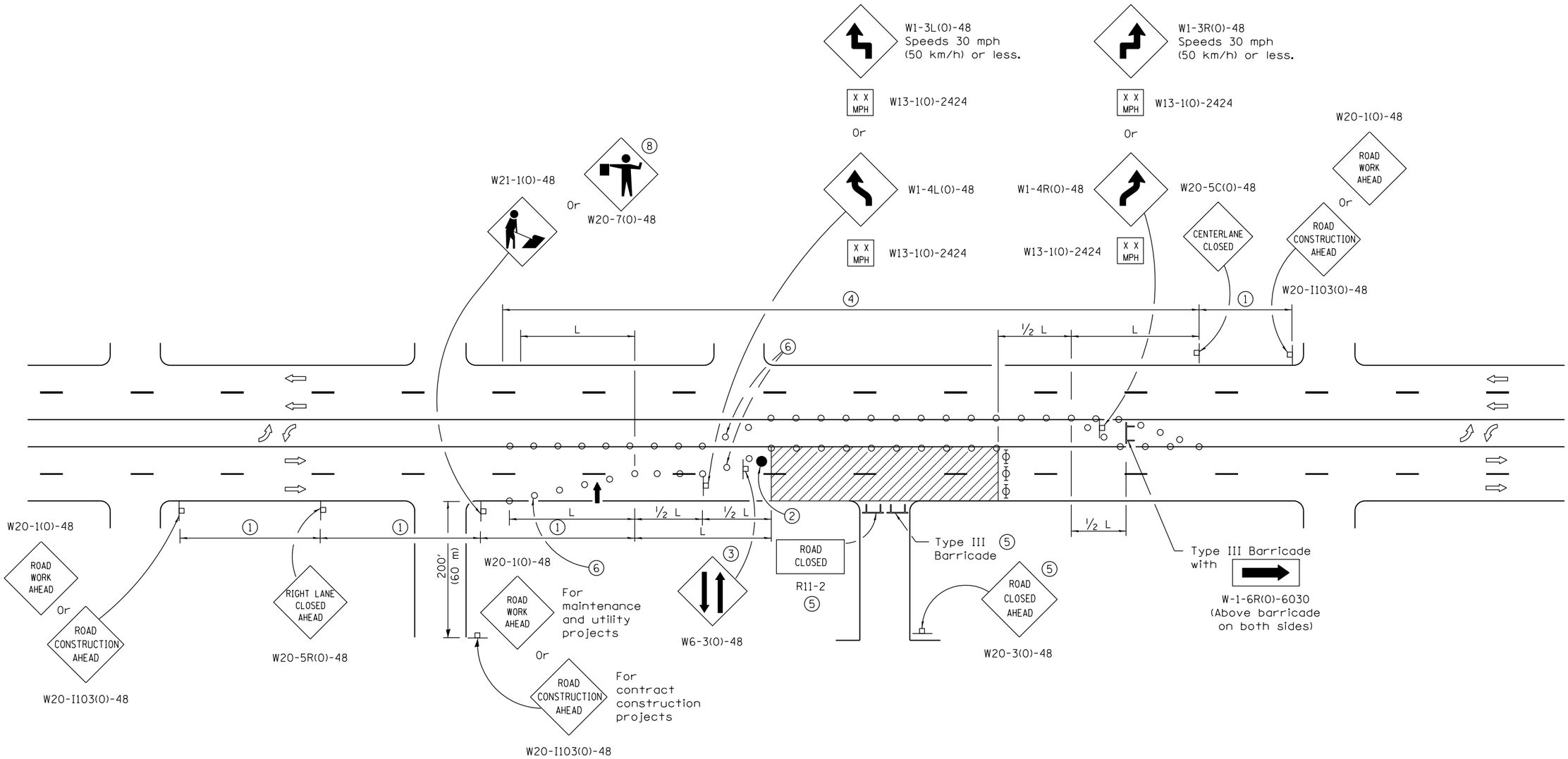
ISSUED 1-1-01

DATE	REVISIONS
1-1-14	Omitted original note (4).
	Rev. workers sign no. to
	agree with current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 1 of 4)

STANDARD 701602-07



CASE II

Illinois Department of Transportation

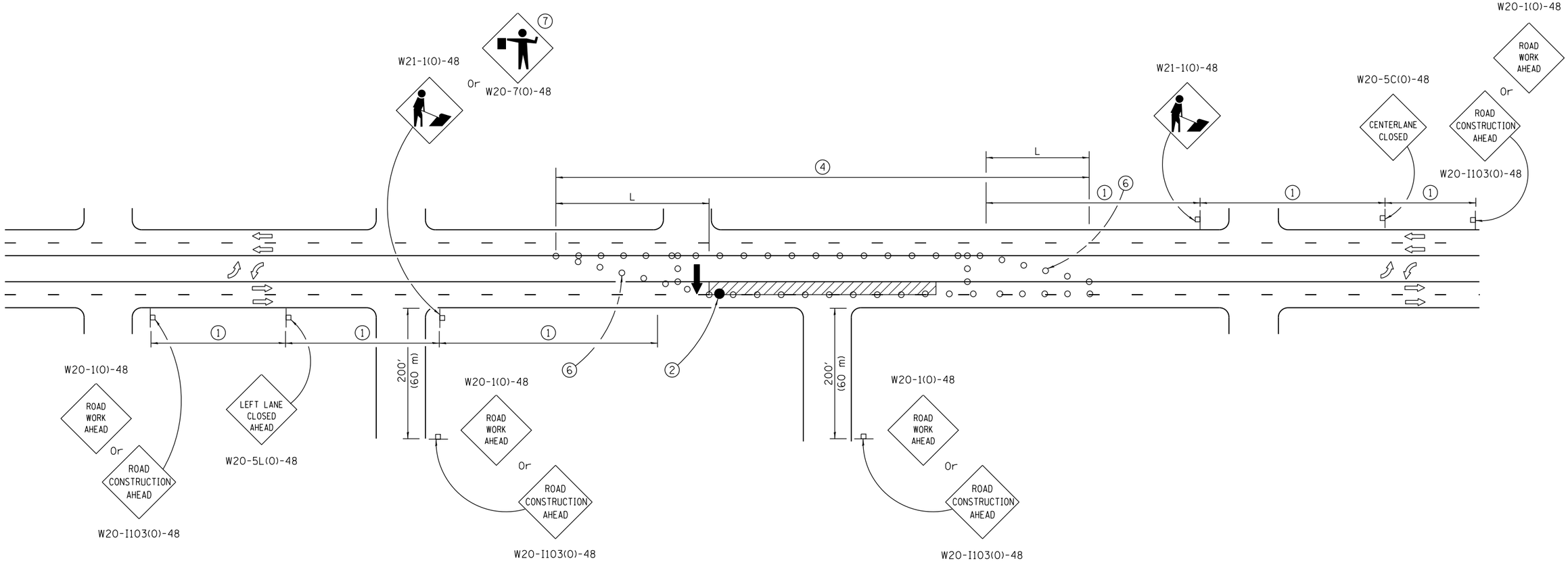
APPROVED January 1. 2014
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1. 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-10

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 2 of 4)

STANDARD 701602–07



CASE III

Illinois Department of Transportation

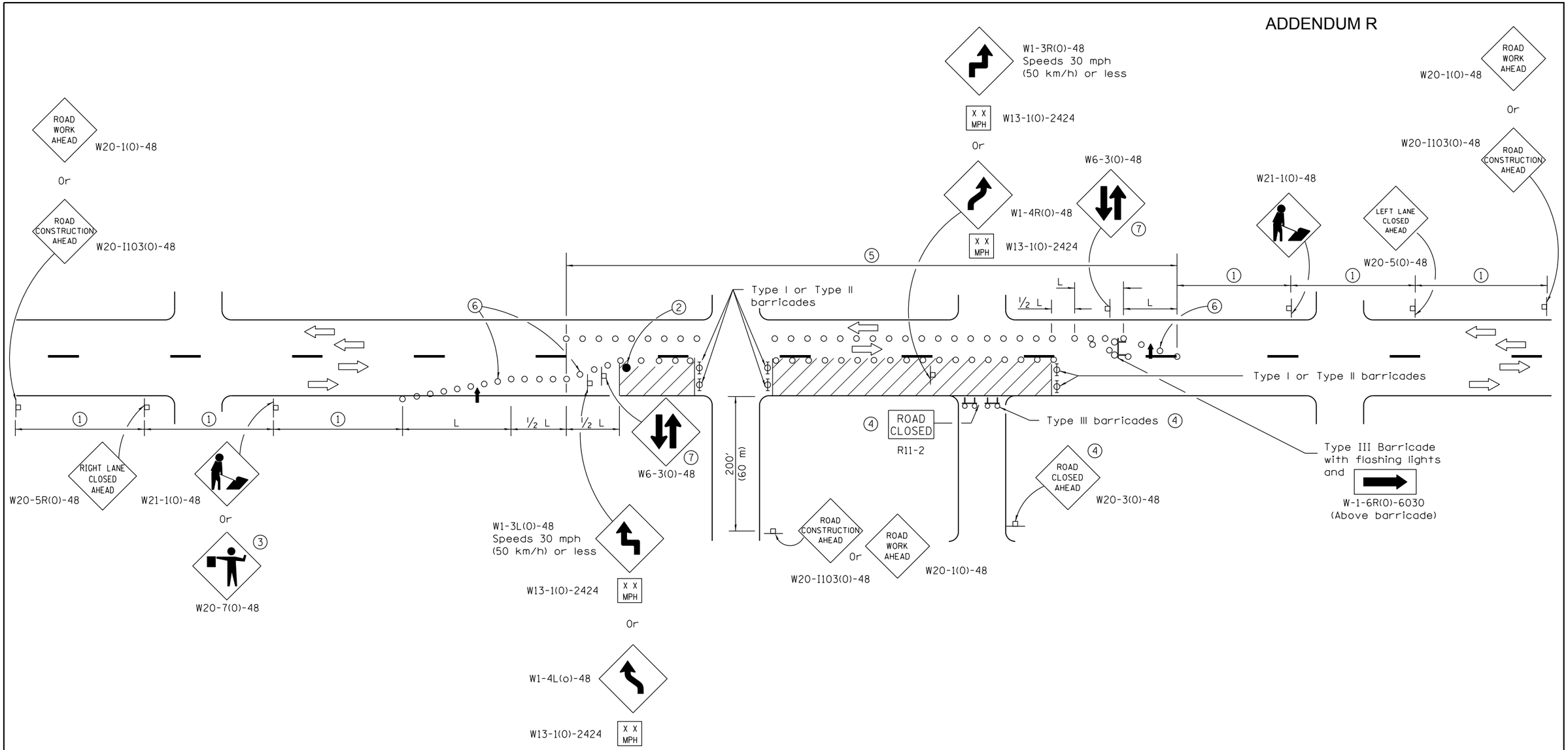
APPROVED January 1, 2014
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-01

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 3 of 4)

STANDARD 701602–07

ADDENDUM R



Illinois Department of Transportation

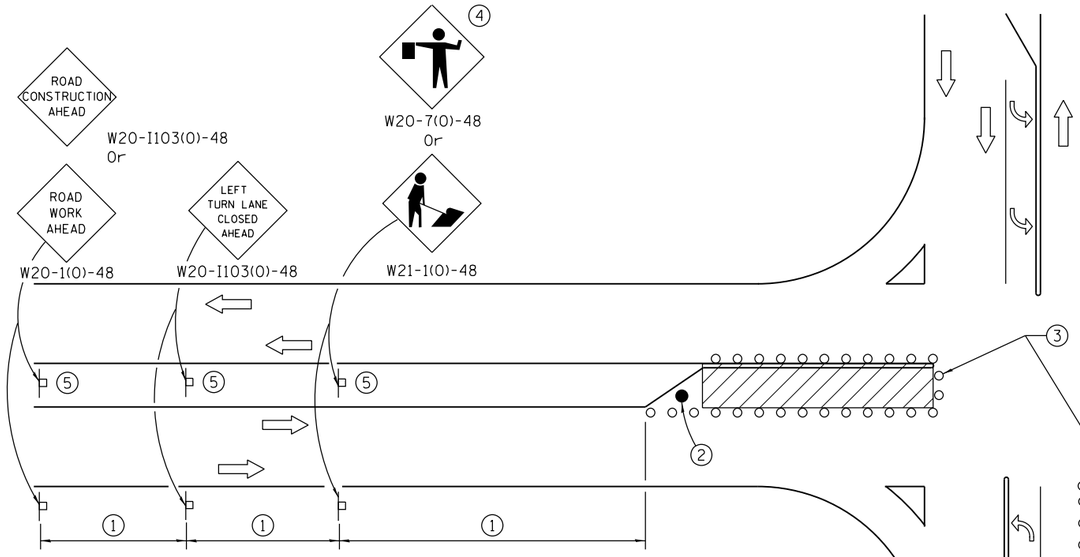
APPROVED January 1, 2014
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

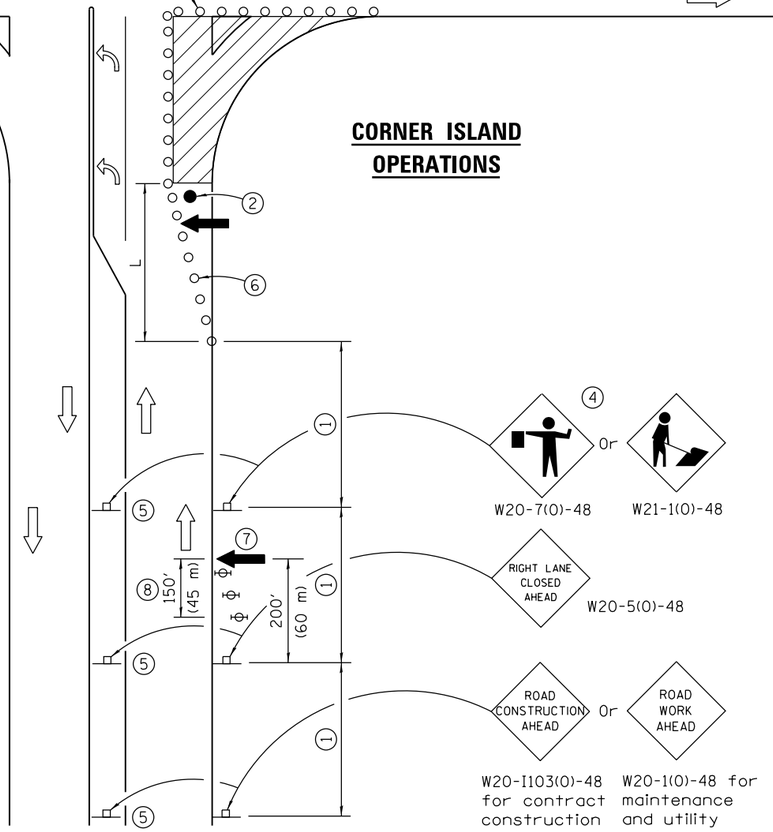
URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

(Sheet 2 of 2)

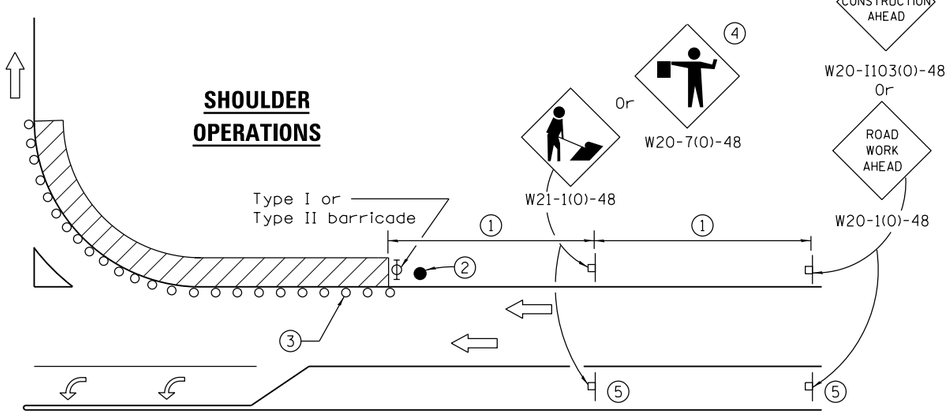
STANDARD 701606–09



LEFT TURN LANE OR CENTER MEDIAN OPERATIONS



SHOULDER OPERATIONS



CORNER ISLAND OPERATIONS

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

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

SYMBOLS

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

GENERAL NOTES

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

Calculate L as follows:

SPEED LIMIT	FORMULAS English	FORMULAS (Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

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

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

Illinois Department of Transportation

APPROVED January 1. 2014
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1. 2014
ENGINEER OF DESIGN AND ENVIRONMENT

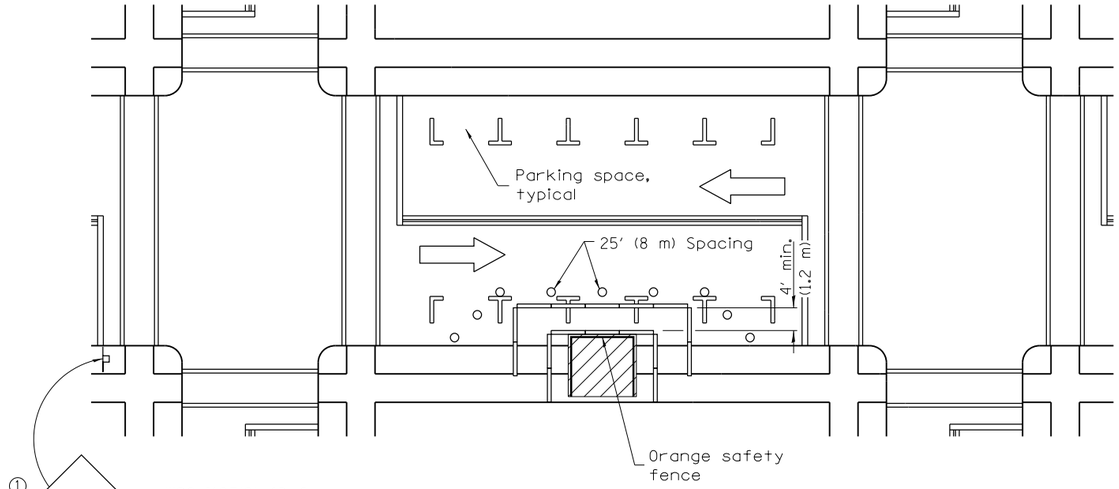
ISSUED 1-1-97

DATE	REVISIONS
1-1-14	Added devices at arrow board upstream from taper. Rev. workers sign number.
1-1-12	Revised flagger sign. Omitted W21-I110 sign.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701–09

ADDENDUM T



① ROAD CONSTRUCTION AHEAD — W20-I103(0)-48 for contract construction projects

Or

① ROAD WORK AHEAD — W20-1(0)-48 for maintenance and utility projects

SIDEWALK DIVERSION

① Omit whenever duplicated by road work traffic control.

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

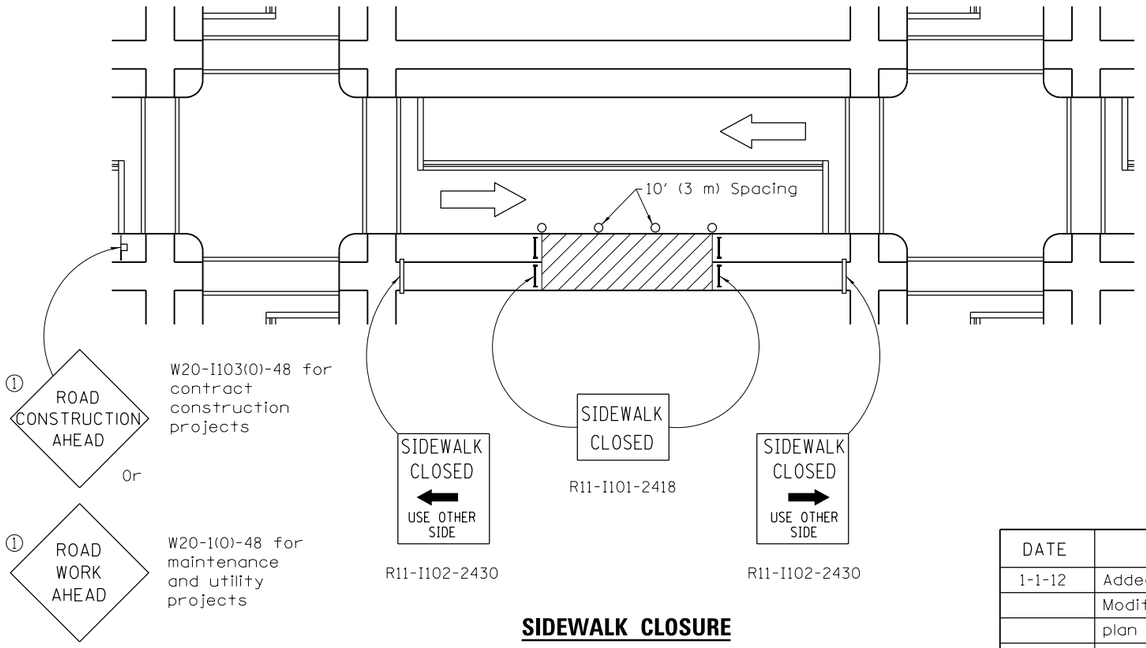
The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

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

SYMBOLS

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



① ROAD CONSTRUCTION AHEAD — W20-I103(0)-48 for contract construction projects

Or

① ROAD WORK AHEAD — W20-1(0)-48 for maintenance and utility projects

SIDEWALK CLOSURE

Illinois Department of Transportation

APPROVED January 1, 2012
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2012
ENGINEER OF DESIGN AND ENVIRONMENT

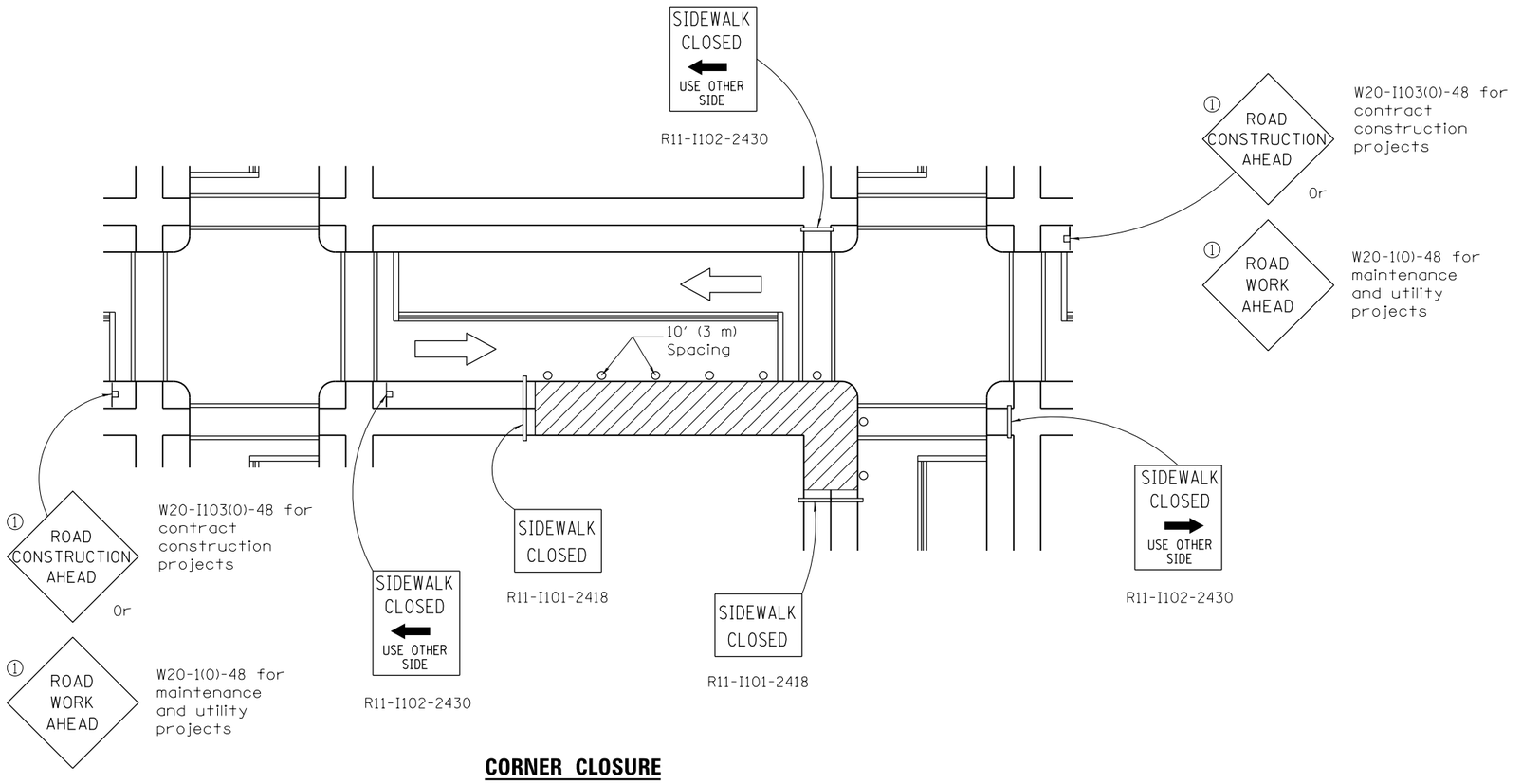
ISSUED 1-1-97

DATE	REVISIONS
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of
	plan views. Renamed Std.
1-1-09	Switched units to
	English (metric),
	702001 to 701901.

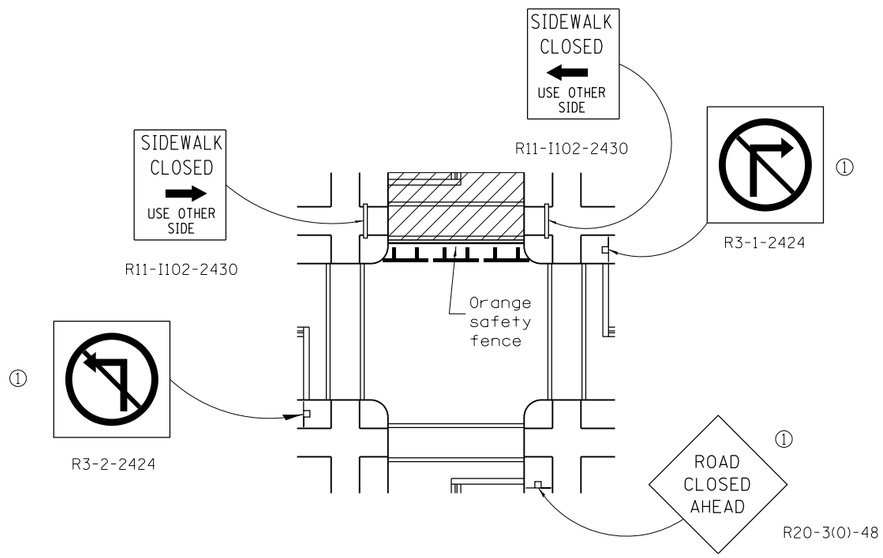
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801–05



CORNER CLOSURE



CROSSWALK CLOSURE

Illinois Department of Transportation

APPROVED January 1, 2012
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2012
ENGINEER OF DESIGN AND ENVIRONMENT

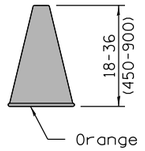
ISSUED 1-1-97

SIDEWALK, CORNER OR CROSSWALK CLOSURE

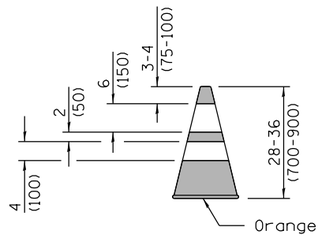
(Sheet 2 of 2)

STANDARD 701801–05

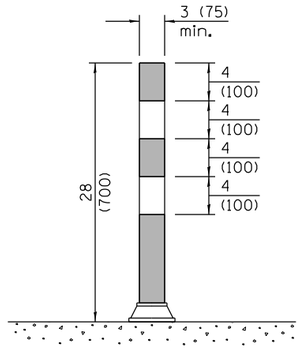
ADDENDUM U



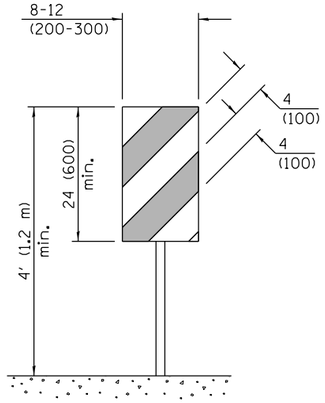
CONE



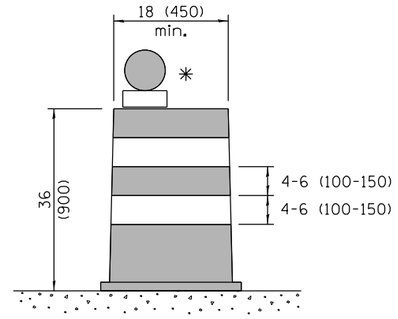
REFLECTORIZED CONE



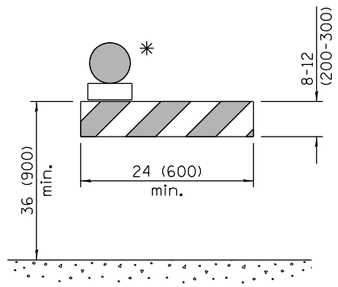
FLEXIBLE DELINEATOR



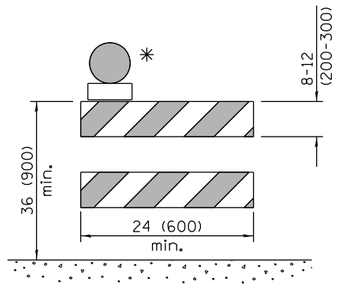
VERTICAL PANEL
POST MOUNTED



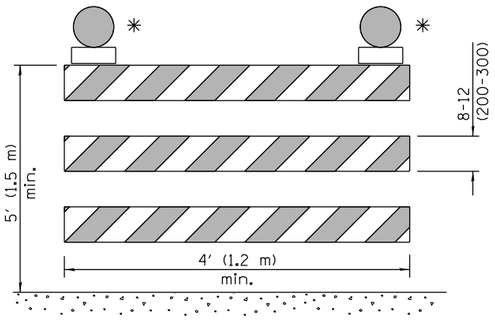
DRUM



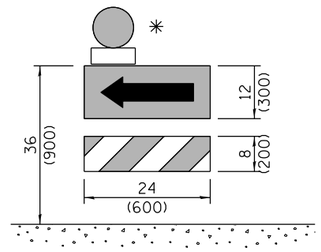
TYPE I BARRICADE



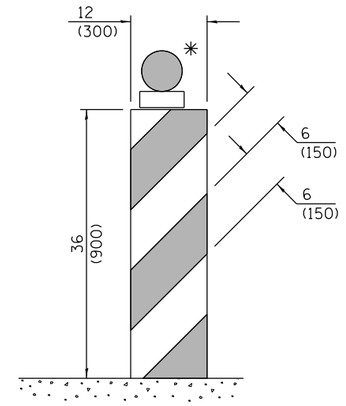
TYPE II BARRICADE



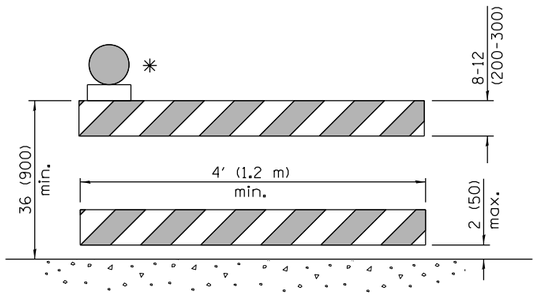
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

✳ Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

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

Illinois Department of Transportation

APPROVED January 1, 2014
ENGINEER OF OPERATIONS

APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

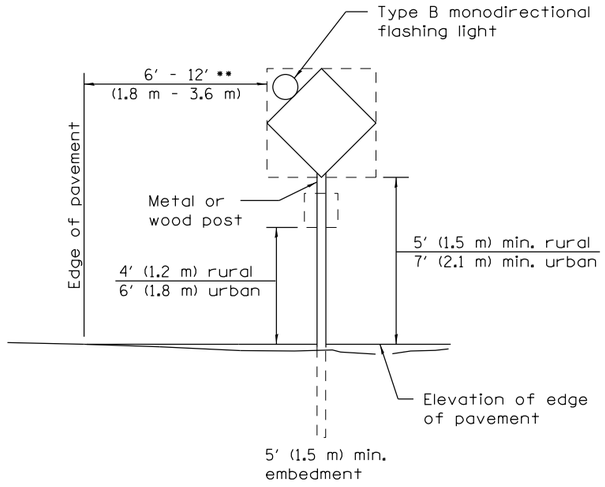
ISSUED 1-1-97

DATE	REVISIONS
1-1-14	Modified flagger sign height.
	Added highway construction
	speed zone signs.
1-1-12	Added DETECTABLE PEDESTRIAN
	CHANNELIZING BARRICADE.

TRAFFIC CONTROL DEVICES

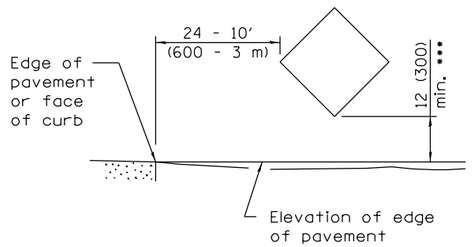
(Sheet 1 of 3)

STANDARD 701901-03



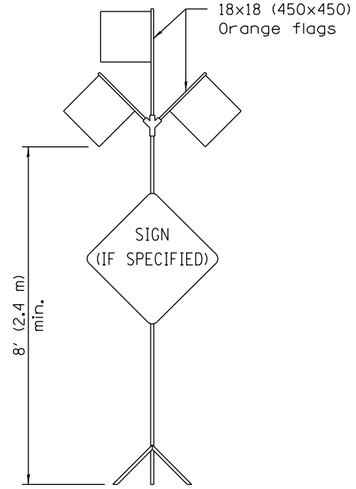
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6′ (1.8 m) to the outside edge of the paved shoulder.

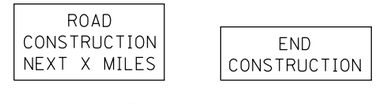


SIGNS ON TEMPORARY SUPPORTS

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



HIGH LEVEL WARNING DEVICE



G20-1(0)-6036 G20-2a(0)-6024

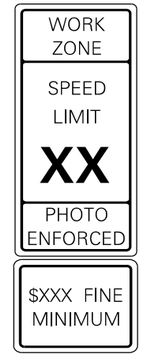
This signing is required for all projects 2 miles (3200 m) or more in length.

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

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

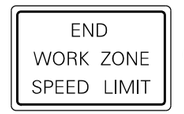
Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



W21-II15(0)-3618
R2-1-3648
R10-I108p-3618
R2-I106p-3618

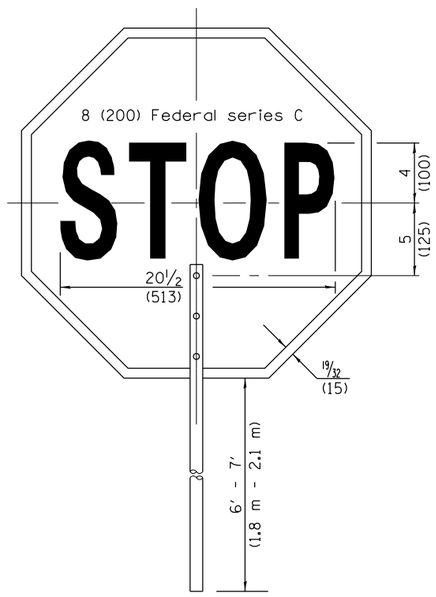
Sign assembly as shown on Standards or as allowed by District Operations.



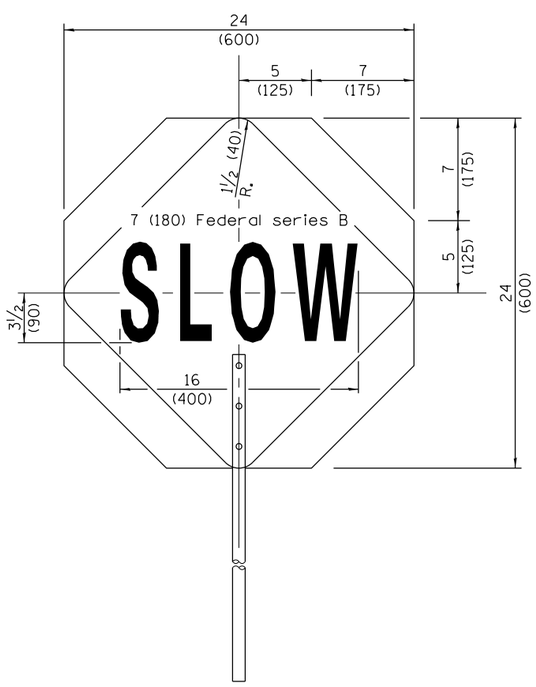
G20-I103(0)-3660

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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS



FRONT SIDE



REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

APPROVED January 1, 2014
ENGINEER OF OPERATIONS

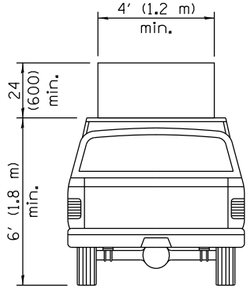
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-17

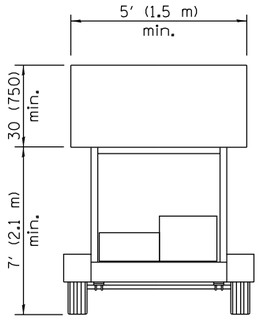
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

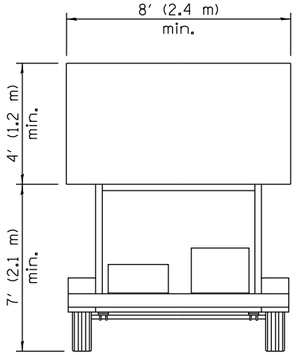
STANDARD 701901–03



TYPE A ROOF MOUNTED

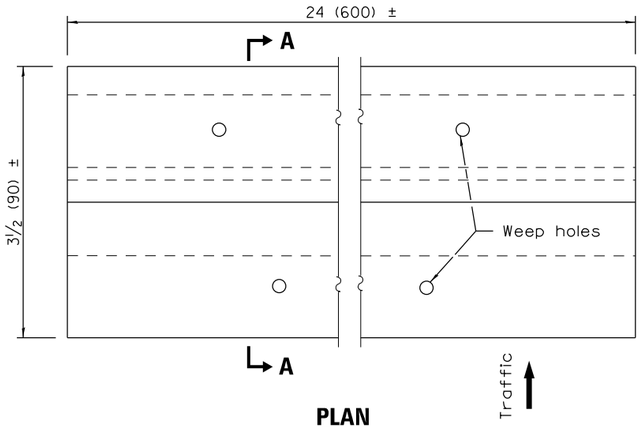


TYPE B ROOF OR TRAILER MOUNTED

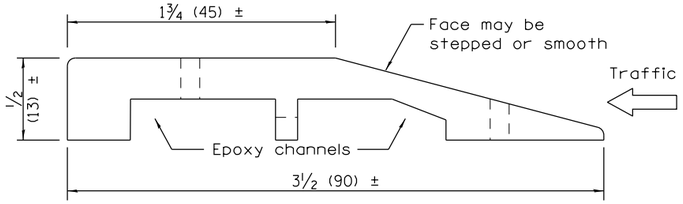


TYPE C TRAILER MOUNTED

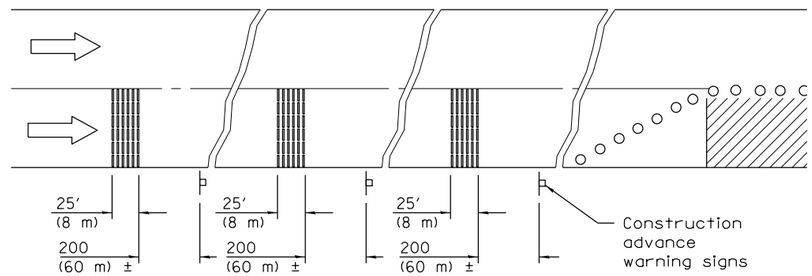
ARROW BOARDS

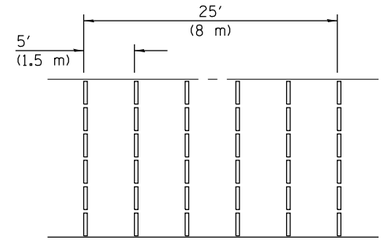


PLAN



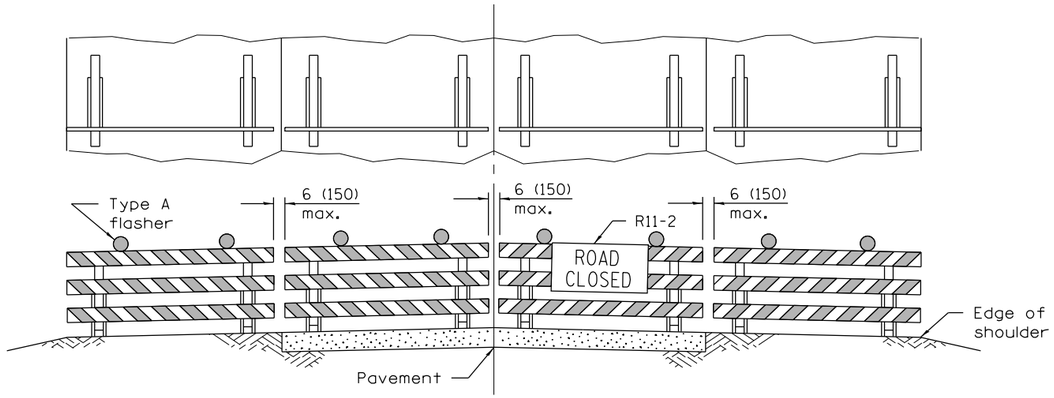
SECTION A–A





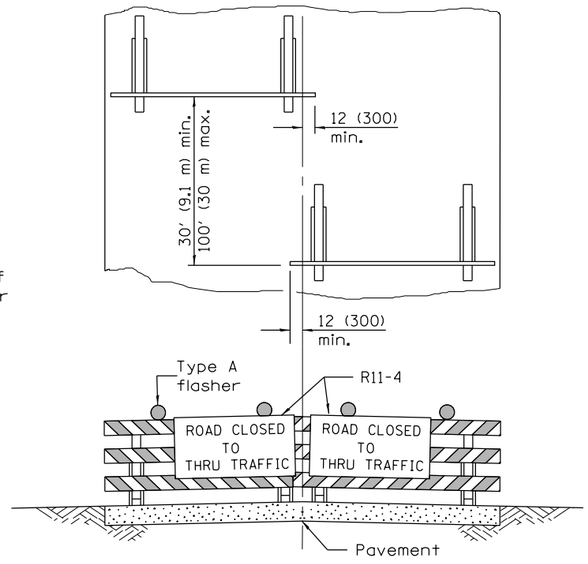
TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED January 1, 2014
ENGINEER OF OPERATIONS

APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901–03

ADDENDUM V

2016 SPC Lane Marking RFP # 158 Participants

Municipality	Name	Phone	Email	Fax
Arlington Heights	Joe Wolfgram	847-368-5847	jwolfgram@vah.com	847-577-5930
Barrington	Ralph Kuhlman	847-304-3361	rkuhlman@barrington-il.gov	847-382-3030
Bensenville	Mehul Patel	630-350-3435	mpatel@bensenville.il.us	
Bloomingdale	Edward A. Lewen	630-671-5800	lewene@vil.bloomingdale.il.us	630-529-9244
Carol Stream	Adam Frederick	630-871-6220	aafrederick@carolstream.org	630-665-1064
Des Plaines	Tom Bueser or Jason Ostrowski	847-812-5470	tbueser@desplaines.org or jostrowski@desplaines.org	847-297-6801
Downers Grove	Matthew Mayer	630-434-6863	mmayer@downers.us	630-434-5495
La Grange	Ryan Gillingham	708-579-2328	rgillingham@villageoflagrange.com	708-579-2330
Lake Forest	Matt Brugioni	847-810-3572	brugionm@cityoflakeforest.com	847-615-4670
Oak Forest	Richard Rinchich	708-535-4090	rrinchich@oak-forest.org	708-687-2028
Park Ridge	Bill Cairns	847-318-5246	wcairns@parkridge.us	847-318-5562
Rolling Meadows	Bill Suchecki	847-963-0500	suchecki@cityrm.org	847-963-0555
Roselle	Jorge Jorda	630-671-2363	jjorda@roselle.il.us	630-582-6035
Streamwood	Alex Riegler	630-736-3850	ariegler@streamwood.org	630-289-7201
Vernon Hills	Tom Brettmann	847-918-3591	tomb@vhills.org	847-367-3728
West Chicago	Robert Flatter	630-293-2255	Rflatter@westchicago.org	630-293-2971
Wilmette	Jorge Cruz	847-853-7623	cruzj@wilmette.com	847-853-7701

ADDENDUM W

SPC MEMBERS

Northwest Municipal Conference	DuPage Mayors and Managers Conference	South Suburban Mayors & Managers Association	Will County Governmental League
Antioch	Addison	**Beecher**	**Beecher**
Arlington Heights	Aurora	Blue Island	**Bolingbrook**
Bannockburn	**Bartlett**	Burnham	Braidwood
Barrington	Bensenville	Calumet City	Channahon
Bartlett	Bloomingdale	Calumet Park	Coal City
Buffalo Grove	**Bolingbrook**	Chicago Heights	Crest Hill
Carpentersville	Burr Ridge	Country Club Hills	**Crete**
Cary	Carol Stream	Crestwood	Diamond
Crystal Lake	Clarendon Hills	**Crete**	Elwood
Deer Park	Downers Grove	Dixmoor	Frankfort
Deerfield	Elmhurst	Dolton	Homer Glen
Des Plaines	Glen Ellyn	East Hazel Crest	Joliet
Elk Grove Village	Glendale Heights	Flossmoor	Lemont
Evanston	**Hanover Park**	Ford Heights	Lockport
Fox Lake	Hinsdale	Glenwood	Manhattan
Glencoe	Itasca	Harvey	Minooka
Glenview	Lisle	Hazel Crest	**Mokena**
Grayslake	Lombard	Homewood	**Monee**
Hanover Park	**Naperville**	Lansing	**Naperville**
Highland Park	Oak Brook	Lynwood	**New Lenox**
Hoffman Estates	Oakbrook Terrace	Markham	**Orland Park**
Kenilworth	Roselle	Matteson	Peotone
Lake Bluff	**Schaumburg**	Midlothian	Plainfield
Lake Forest	St. Charles	**Mokena**	Rockdale
Lake Zurich	Villa Park	**Monee**	Romeoville
Libertyville	Warrenville	Oak Forest	Shorewood
Lincolnshire	Wayne	Olympia Fields	**Steger**
Lincolnwood	West Chicago	Orland Hills	**Tinley Park**
Morton Grove	Westmont	**Orland Park**	**University Park**
Mount Prospect	Wheaton	Palos Heights	Wilmington
Niles	Willowbrook	Park Forest	**Woodridge**
Northbrook	Winfield	Peotone	Will County
Northfield	Wood Dale	Phoenix	
Northfield Twp.	**Woodridge**	Posen	
Palatine		Richton Park	
Park Ridge		Riverdale	
Prospect Heights		Robbins	
Rolling Meadows		Sauk Village	
Schaumburg		South Chicago Heights	
Skokie		South Holland	
Streamwood		**Steger**	
Vernon Hills		Summit	
Wheeling		Thornton	
Wilmette		**Tinley Park**	
Winnetka		**University Park**	
45	***36***	***45***	***34***

160	**Total Membership**
14	**Duplicates**
146	**Net**

SPC SUBURBAN PURCHASING COOPERATIVE

A Joint Purchasing Program For Local Government Agencies

March 29, 2016

Ms. Joan Yario
Superior Road Striping
1967 Cornell Court
Melrose Park, IL 60160

Dear Ms. Yario,

This letter is to inform you that the Suburban Purchasing Cooperative's Governing Board has approved the award of the SPC 2016 Thermoplastic Lane Marking Contract #158 to Superior Road Striping, Melrose Park, IL and is awarded based on your response as the lowest responsive, responsible bidder and being in compliance with all bid specification requirements.

With the acceptance of this contract, Superior Road Striping, Melrose Park, IL agrees to all terms and conditions set forth in the specifications contained within the Request for Proposals to which you responded. The duration of the contract is Contract shall be in force from April 12, 2016 through April 11, 2017. The SPC reserves the right to extend the contract for up to (3) three additional one-year terms upon mutual agreement on a negotiated basis.

With the acceptance of this contract, Superior Road Striping, Melrose Park, IL agrees to all terms and conditions as set forth in the specifications contained within the Request for Proposals to which you responded. This award is not in conjunction with the Illinois Department of Transportation, so participating communities will not be utilizing Motor Fuel Tax (MFT) funds. However, Superior Road Striping must comply with all IDOT rules and regulations, as well as prevailing wage and certified payroll.

The SPC looks forward to another productive year working with Superior Road Striping. Please sign and date the agreement below and return an original to my attention and retain a copy for your files.

Sincerely,

Ellen Dayan, CPPB
NWMC Program Manager for Purchasing

Name: Ellen Dayan	3/29/16 Date	Name: Joan Yario	3-29-16 Date

DuPage Mayors & Managers Conference
1220 Oak Brook Road
Oak Brook, IL 60523
Suzette Quintell
Phone: (630) 571-0480
Fax: (630) 571-0484

Northwest Municipal Conference
1600 East Golf Rd., Suite 0700
Des Plaines, IL 60016
Ellen Dayan
Phone: (847) 296-9200
Fax: (847) 296-9207

South Suburban Mayors And Managers Association
1904 West 174th Street
East Hazel Crest, IL 60429
Ed Paesel
Phone: (708) 206-1155
Fax: (708) 206-1133

Will County Governmental League
3180 Theodore Street, Suite 101
Joliet, IL 60435
Cherie Belom
Phone: (815) 729-3535
Fax: (815) 729-3536