

RETURN WITH BID



Local Public Agency
Formal Contract Proposal

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

STATE OF ILLINOIS

COUNTY OF LAKE

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

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. Various Lake County Highways

SECTION NO. 16-00000-15-GM

TYPES OF FUNDS MFT

SPECIFICATIONS (required)

PLANS (required)

For Municipal Projects
Submitted/Approved/Passed
Not Applicable

Mayor President of Board of Trustees Municipal Official

Date

Department of Transportation
 Released for bid based on limited review

Paula Trigg
Regional Engineer

County Engineer on behalf of IDOT pursuant to
Agreement of Understanding dated January 18, 2013

4-21-16
Date

For County and Road District Projects
Submitted/Approved
Not Applicable

Highway Commissioner

Date

Submitted/Approved
Paula Trigg
County Engineer/Supintendent of Highways

4-21-16
Date

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

RETURN WITH BID

BLR 12200 (01/08/14)

RETURN WITH BID

NOTICE TO BIDDERS

County LAKE
Local Public Agency LCDOT
Section Number 16-00000-15-GM
Route Various County Highways

Sealed proposals for the improvement described below will be received at the office of The County Engineer of Lake County, 600 West Winchester Road, Libertyville, IL 60048 until 10:00 A.M. on May 17, 2016

Sealed proposals will be opened and read publicly at the office of The County Engineer of Lake County 600 West Winchester Road, Libertyville, IL 60048 at 10:00 A.M. on May 17, 2016

DESCRIPTION OF WORK

Name 2016 Pavement Marking Replacement Length: feet (0.00 miles)
Location Various County Highways in Lake County, Illinois
Proposed Improvement Remove and replace thermoplastic pavement markings on HMA highways & bike path pavements and polyurea pavement markings on concrete highway and bike path pavements.

1. Plans and proposal forms will be available online at http://www.lakecountyil.gov/648/Bids---Roadwork or at the office of the Lake County Division of Transportation, 600 West Winchester Road, Libertyville, IL 60048

2. [X] Prequalification
If checked, each bidder shall include a completed "Affidavit of Availability" (Form BC 57), in their proposal, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work.

3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.

- 4. The following Forms shall be returned by the bidder to the Awarding Authority (not required if crossed out):
a. BLR 12200: Local Public Agency Formal Contract Proposal (includes BLR 12200a Schedule of Prices)
b. BC 57: Affidavit of Availability
c. BC 261: Substance Abuse Prevention Program Certification
d. BLR 12230: Proposal Bid Bond
e. BLR 12325: Apprenticeship or Training Program Certification
f. BLR 12326: Affidavit of Illinois Business Office
g. LCDOT - CBID Printout

5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.

6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.

7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.

8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.

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

RETURN WITH BID

PROPOSAL

County LAKE
Local Public Agency LCDOT
Section Number 16-00000-15-GM
Route Various County Highways

1. Proposal of _____

for the improvement of the above section by the construction of Removing and replacing thermoplastic pavement markings on hot-mix asphalt highway & bike path pavements. Removing and replacing polyurea pavement markings on concrete highway & bike path pavements. Replacing thermoplastic and polyurea pavement markings on highways patched as part of the 2016 HMA and concrete patching projects. Traffic Control and Protection is required. a total distance of _____ feet, of which a distance of _____ feet, (0.00 miles) are to be improved.

2. The plans for the proposed work are those prepared by Lake County Division of Transportation and approved by the Department of Transportation* on April 21, 2016

* County Engineer on behalf of IDOT pursuant to Agreement of Understanding dated January 18, 2013.

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

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

5. The undersigned agrees to complete the work within XXXXXXXX working days or by October 31, 2016 unless additional time is granted in accordance with the specifications.

6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to:

_____, Treasurer of LAKE COUNTY

The amount of the check is the same as the amount of the BID BOND (_____).

7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number _____.

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

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

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

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

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

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CONTRACTOR CERTIFICATIONS

County	<u>LAKE</u>
Local Public Agency	<u>LCDOT</u>
Section Number	<u>16-00000-15-GM</u>
Route	<u>Various County Highways</u>

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

- Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
- Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

- Bribery.** The bidder or contractor or subcontractor, respectively, certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
- Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative Code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be cancelled.

RETURN WITH BID

SIGNATURES

County LAKE
Local Public Agency LCDOT
Section Number 16-00000-15-GM
Route Various County Highways

(If an individual)

Signature of Bidder
Business Address

(If a partnership)

Firm Name
Signed By
Business Address

Inset Names and Addressed of All Partners



(If a corporation)

Corporate Name
Signed By
Business Address

President

Inset Names of Officers



President
Secretary
Treasurer

Attest: Secretary



Illinois Department of Transportation

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

Affidavit of Availability For the Letting of May 17, 2016

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

Part I. Work Under Contract

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

	1	2	3	4	Awards Pending	
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

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

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

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

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

Part III. Work Subcontracted to Others.

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

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

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

Subscribed and sworn to before me
 this _____ day of _____, _____ Type or Print Name _____
 Officer or Director _____ Title _____

 Notary Public

Signed _____

My commission expires _____

(Notary Seal)

Company _____

Address _____



Letting Date: May 17, 2016 Item No.: _____

Contract No.: _____

Route: Various County Highways

Section: 16-00000-15-GM

Job No.: _____

County: LAKE

The Substance Abuse Prevention on Public Works Act, Public Act 95-0635, prohibits the use of drugs and alcohol, as defined in the Act, by employees of the Contractor and by employees of all approved Subcontractors while performing work on a public works project. The Contractor/Subcontractor herewith certifies that it has a superseding collective bargaining agreement or makes the public filing of its written substance abuse prevention program for the prevention of substance abuse among its employees who are not covered by a collective bargaining agreement dealing with the subject as mandated by the Act.

A. The undersigned representative of the Contractor/Subcontractor certifies that the contracting entity has signed collective bargaining agreements that are in effect for all of its employees, and that deal with the subject matter of Public Act 95-0635.

Contractor/Subcontractor

Name of Authorized Representative (type or print)

Title of Authorized Representative (type or print)

Signature of Authorized Representative

Date

B. The undersigned representative of the Contractor/Subcontractor certifies that the contracting entity has in place for all of its employees not covered by a collective bargaining agreement that deals with the subject of the Act, the attached substance abuse prevention program that meets or exceeds the requirements of Public Act 95-0635.

Contractor/Subcontractor

Name of Authorized Representative (type or print)

Title of Authorized Representative (type or print)

Signature of Authorized Representative

Date



Local Agency Proposal Bid Bond

Route Various County Highways
County LAKE
Local Agency LCDOT
Section 16-00000-15-GM

RETURN WITH BID

PAPER BID BOND

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

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

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

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

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

Principal

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

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

Surety

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

STATE OF ILLINOIS,
COUNTY OF _____
I, _____, a Notary Public in and for said county,
do hereby certify that _____

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

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

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

My commission expires _____ (Notary Public)

ELECTRONIC BID BOND

[] Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)

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

Electronic Bid Bond ID Code grid

Electronic Bid Bond ID Code

(Company/Bidder Name)

(Signature and Title)

Date



Return with Bid

Route	Various County Highways
County	LAKE
Local Agency	LCDOT
Section	16-00000-15-GM

All contractors are required to complete the following certification:

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

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

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

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

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

Bidder: _____

By: _____

Address: _____

(Signature)

Title: _____

RETURN WITH BID



Affidavit of Illinois Business Office

County LAKE
 Local Public Agency LCDOT
 Section Number 16-00000-15-GM
 Route Various County Highways

State of _____)
) ss.
 County of _____)

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

being first duly sworn upon oath, states as follows:

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

 (Signature)

 (Print Name of Affiant)

This instrument was acknowledged before me on the _____ day of _____, _____.

(SEAL)

 (Signature of Notary Public)

CONTRACTOR

**PLEASE REPLACE
WITH YOUR
COMPLETED
LCDOT CBID
PRINTOUT**

SPECIAL PROVISION

TABLE OF CONTENTS

LOCATION OF IMPROVEMENT1

DESCRIPTION OF IMPROVEMENT1

DIVISION 100. GENERAL REQUIREMENTS AND COVENANTS

SECTION 102 ADVERTISEMENT, BIDDING, AWARD AND CONTRACT EXECUTION2

SHARED SERVICES.....3

SHARED SERVICES BIDDING3

ARTICLE 105.03(c) ENVIRONMENTAL PERMITTING AGENCIES.....4

ARTICLE 105.09 SURVEY CONTROL POINTS.....5

ARTICLE 106.03 SAMPLES, TESTS, AND CITED SPECIFICATIONS6

PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION7

ARTICLE 107.09 PUBLIC CONVENIENCE AND SAFETY8

SECTION 107.20 PROTECTION AND RESTORATION OF PROPERTY10

**SECTION 107.23 PROTECTION OF STREAMS, LAKES, RESERVOIRS, NATURAL AREAS,
WETLANDS, PRAIRIE AREAS, SAVANNAHS, AND ENDANGERED AND THREATENED SPECIES...10**

SECTION 107.25 PROTECTION AND RESTORATION OF TRAFFIC SIGNS11

ARTICLE 107.27 INSURANCE12

ARTICLE 107.29 OPENING OF SECTION OF HIGHWAY TO TRAFFIC.....13

SECTION 108 PROSECUTION AND PROGRESS14

ARTICLE 108.06 LABOR, METHODS, AND EQUIPMENT.....14

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

SECTION 780 PAVEMENT STRIPING15

LAKE COUNTY TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL PLAN17

TRAFFIC CONTROL AND PROTECTION (SPECIAL)18

EMPLOYMENT PRACTICES

STANDARD COUNTY INSERT27
LRS11 SPECIAL PROVISION FOR EMPLOYMENT PRACTICES28
PREVAILING WAGE RATES.....30

IDOT RECURRING SPECIAL PROVISIONS

INDEX OF CHECK SHEETS.....37

IDOT BDE SPECIAL PROVISIONS

BDE 80364 ERRATA FOR THE 2016 STANDARD SPECIFICATIONS.....39

**PROJECT LOCATION, QUANTITY SCHEDULES,
and SUMMARY OF QUANTITIES**

LCDOT PROJECT LOCATION MAPS - THERMOPLASTIC43
LCDDOT SCHEDULE OF QUANTITIES - THERMOPLASTIC45
LCDOT PROJECT LOCATION MAP - POLYUREA52
LCDOT SCHEDULE OF QUANTITIES - POLYUREA53
LCDOT SUMMARY OF QUANTITIES54
CITY OF HIGHLAND PARK PROJECT LOCATION MAP55
CITY OF HIGHLAND PARK SCHEDULE OF QUANTITIES56
CITY OF HIGHLAND PARK SUMMARY OF QUANTITIES.....57
VILLAGE OF WHEELING PROJECT LOCATION MAPS58
VILLAGE OF WHEELING SCHEDULE OF QUANTITIES - THERMOPLASTIC60
VILLAGE OF WHEELING SCHEDULE OF QUANTITIES - POLYUREA61
VILLAGE OF WHEELING SUMMARY OF QUANTITIES62

HIGHWAY STANDARDS

IDOT HIGHWAY STANDARDS63
LCDOT HIGHWAY STANDARDS90

CONSTRUCTION DEBRIS

SPECIAL PROVISION FOR CONSTRUCTION DEBRIS.....95
CONSTRUCTION DEBRIS MANIFEST96

INTENTIONALLY

BLANK

STATE OF ILLINOIS SPECIAL PROVISIONS

The following Special Provisions supplement the specifications listed in the table below, which apply to and govern the proposed improvement designated as Lake County Section **16-00000-15-GM**, and in case of conflict with any part or parts of said specifications, the said Special Provisions shall take precedence and govern.

SPECIFICATION	ADOPTED/DATED
Standard Specifications for Road and Bridge Construction	April 1, 2016
Manual on Uniform Traffic Control Devices for Streets and Highways Illinois Supplement	2009 Edition June 2014 Revision
Supplemental Specifications and Recurring Special Provisions (indicated on the Check Sheet included herein)	April 1, 2016
Standard Specifications for Water and Sewer Construction in Illinois	7 th Edition, 2014

This Project Does Not Include a Separate Set of Plans.

LOCATION OF IMPROVEMENT

This project is located on various county highways and bike paths in Lake County, Illinois. The project also includes various streets owned and maintained by the City of Highland Park and the Village of Wheeling. The general location (sections of county highways; & city and village streets and parking lots included) are shown on the project location maps (LCDOT Thermoplastic pages 43 & 44; LCDOT Polyurea page 52; City of Highland Park page 55; and the Village of Wheeling pages 58 & 59) and are listed in the quantity schedules (LCDOT Thermoplastic pages 45 – 51; LCDOT Polyurea page 53; City of Highland Park page 56; Village of Wheeling Thermoplastic page 60; and Village of Wheeling Polyurea page 61) included herein.

DESCRIPTION OF IMPROVEMENT

This work consists of removing and replacing thermoplastic pavement markings on existing Hot-Mix Asphalt highways and removing and replacing polyurea pavement markings on existing concrete highways. The work will be performed at various locations on Lake County highways; City of Highland Park Streets and parking areas; and Village of Wheeling Streets. The work includes installing turn lane markings for right turn lanes on Buffalo Grove Road and installing “STOP AHEAD” markings at four county road intersections. Traffic control and protection is required for this project.

DIVISION 100. GENERAL REQUIREMENTS AND COVENANTS

SECTION 102 ADVERTISEMENT, BIDDING, AWARD AND CONTRACT EXECUTION (LCDOT)

Effective: January 1, 2007
Revised: March 20, 2015

Award and execution of contract shall be in accordance with Section 102 of the "Standard Specifications" and the following:

Insurance certificates shall be received within five (5) days after the contract has been mailed to the bidder. Contract performance and payment bond shall be received within ten (10) days after the contract has been mailed to the bidder. The contract shall be executed by the successful bidder and returned within fifteen (15) days after the contract has been mailed to the bidder.

CONTRACTORS and SUBCONTRACTORS holding a 5 – HMA Paving IDOT prequalification shall be limited to paving on contracts with 1200 total tons or less. The 1200 ton limit does not include HMA sidewalk, driveways, medians, paved shoulder behind curb, and/or patching.

In order to limit bid proposal math errors, all bids for this project **shall** be submitted using the CBID spreadsheet. The Contractor shall include in their bid proposal a hardcopy CBID printout. Proposals submitted without a hardcopy CBID printout will be rejected as nonresponsive and returned to the Contractor unread. Proposals submitted with a handwritten schedule of items will be rejected as nonresponsive and returned to the Contractor unread. A maximum of five pay items may have legible pen and ink entries/revisions to the unit and extended prices on the CBID printout to accommodate last minute supplier and subcontractor quotes. A legible pen and ink entry/revision to the project total bid will also be allowed.

To decrease LCDOT bid processing time, for projects with 25 or more pay items the Contractor shall include in their sealed bid envelope a CD with a copy of the completed CBID. The hardcopy CBID printout will serve as the bid submission, while the CD is only provided to aid in tabulating the bids. In the event that there is a difference between the hardcopy CBID printout and the electronic copy provided on the CD, the hardcopy CBID printout shall take precedence and be used to complete the bid tabulation.

If the Contractor is bidding on more than one project for which the CD copy of the CBID is required, the Contractor may include all the CBIDs on a single CD. The CD shall be clearly labeled with the Contractor's name and the project CBIDs included. The single CD shall be submitted in the sealed bid envelope of one of the projects the Contractor is bidding on.

Shared Services: Under the authority of 30 ILCS 525, the Governmental Joint Purchasing Act the unit prices included in the proposal may be offered to other governmental units according to the following:

The purchase of goods and services pursuant to the terms of this Contract shall also be offered for purchases to be made by other governmental units, as authorized by the Governmental Joint Purchasing Act, 30 ILCS 525/0.01, et seq. (the "Act"). All purchases and payments made under the Act shall be made directly by and between each governmental unit and the successful bidder. The bidder agrees that Lake County shall not be responsible in any way for purchase orders or payments made by the other governmental units. The bidder further agrees that all terms and conditions of this Contract shall continue in full force and effect as to the other governmental units during extended terms. The credit or liability of each governmental unit shall remain separate and distinct. Disputes between bidders and governmental units shall be resolved between the immediate parties.

The bidder and the other governmental units may negotiate such other and further terms and conditions to this Contract ("Other Terms") as individual projects may require. To be effective, Other Terms shall be reduced to writing and signed by a duly authorized representative of both the successful bidder and the other governmental unit.

The bidder shall provide the other governmental units with all required documentation set forth in the solicitation including but not limited to: performance and payment bonds, Certificates of Insurance naming the respective governmental unit as an additional insured and certified payrolls to the other governmental unit as required.

Shared Services Bidding: For this project the Lake County Division of Transportation (LCDOT); the City of Highland Park; and the Village of Wheeling have joined together to solicit bids for like items of work.

The Contractor will be submitting bids for three separate contracts – one for each community or unit of government. The Contractor may use the same or different unit prices for each bid.

The Lake County Division of Transportation; the City of Highland Park and the Village of Wheeling individually reserve the right to reject any or all proposals, to waive technicalities, or to advertise for new proposals, if in the judgement of each Awarding Authority, the best interests of the Awarding Authority will be promoted thereby (See LRS6).

A contract for the LCDOT work will be recommended separately to the Lake County Board and upon award, each will be managed independently. The bid results for the City of Highland Park and the Village of Wheeling will be reported to each community.

Each Community will be independently responsible for awarding; managing including engineering services; and processing payments for their own contract.

The October 31, 2016 completion date shall apply to the LCDOT contract and to the contracts for the City of Highland Park and the Village of Wheeling.

Proposal Guaranty: The Contractor shall submit a Proposal Guaranty according to the requirements of Checksheet LRS 6 *BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS* (included by reference). The bond or check shall be for a minimum of 5 percent of the "Total for Bond Only" (total of 6 bids) line on the CBID form.

ARTICLE 105.03(e) ENVIRONMENTAL PERMITTING AGENCIES

Effective: December 22, 2014

Revised: February 26, 2016

Add the following paragraph to Article 105.03 of the "Standard Specifications"

- (e) Permitting Agency Deduction: Any monetary payment required from a permitting agency related to improper erosion and sediment control may be passed along to the Contractor as a deduction from future pay estimates. Monetary payments will include fees and violations attributable to the Contractor's actions or inaction resulting in improper erosion and sediment control. The deduction will be applied to monies due or that might become due to the Contractor. Permitting agencies include the Lake County Stormwater Management Commission, the Illinois Environmental Protection Agency, the Army Corps of Engineers, and other regulatory agencies.

ARTICLE 105.09 SURVEY CONTROL POINTS (LCDOT)

Effective: January 1, 2007

Revised: June 6, 2014

The Contractor shall furnish the Engineer with the materials required to establish survey control points according to Article 105.09 of the "Standard Specifications" and the following:

Paint: *The Contractor shall furnish, at their expense, white, pink or purple pavement marking paint in aerosol cans, for use by the Engineer. The quality of the marking paint shall be as manufactured by Aervoe-Pacific Co. (distributed by Municipal Marking Distributors, Inc., Dundee, IL) or approved equal.*

The Contractor and subcontractors shall only use white, pink or purple colors for their own markings. At no time will the Contractor use any of the J.U.L.I.E. utility colors listed in Article 107.31 of the "Standard Specifications".

Hubs: *The Contractor shall furnish, at their expense, hubs for use by the Engineer according to the following:*

- 1. Shall be 1 3/8" x 7/8" x 18" (actual dimension).*
- 2. Shall be furnished in securely banded (on each end) bundles of 25 pieces.*
- 3. The material shall be kiln dried Douglas fir, oak or maple and surfaced on the 2 larger sides and without splits, pitch pockets, wane, knots or decayed wood.*
- 4. The tapered end on each hub shall be pencil point tapered.*

Lath: *The Contractor shall furnish, at their expense, lath for use by the Engineer according to the following:*

- 1. Shall be 1 1/8" x 1/2" x 48" (actual dimension).*
- 2. Shall be furnished in securely banded (on each end) bundles of 50 pieces.*
- 3. The material shall be kiln dried Douglas fir, oak or maple and surfaced on the 2 larger sides and without splits, pitch pockets, wane, knots or decayed wood.*
- 4. The tapered end may be saw-cut tapered or pencil tapered.*

ARTICLE 106.03 SAMPLES, TESTS, AND CITED SPECIFICATIONS (LCDOT)

Effective: October 1, 2012

Revised: May 19, 2014

Hot-Mix Asphalt and Concrete Placements:

The Contractor shall notify the Engineer of proposed Hot-Mix Asphalt (HMA) and/or concrete placements according to the following:

1. By 2 p.m., the Contractor shall notify the Engineer, in person or by phone, of HMA and/or concrete placements proposed for the next working day. Upon receiving the Engineer's approval, the Contractor may schedule the HMA and/or concrete for placement. Requests for HMA and/or concrete placements called in after 2 p.m., cannot be placed for payment and should not be scheduled by the Contractor.
2. The Contractor's notification shall provide the following:
 - a. A firm start time.
 - b. The plant source of material.
 - c. The pay items included.
 - d. The project name and location - be specific on large projects.
 - e. The estimated quantity of HMA and/or concrete to be used.
 - f. The duration of the work.
3. In the event that the Engineer cannot be reached, the Contractor can meet the notification requirement by calling the LCDOT Materials Lab at (847) 377-7493 and leaving the notification message prior to 2 p.m. LCDOT will call the Contractor back and give approval for the next day's work. The Contractor must receive approval prior to scheduling the work for payment.
4. Cancellations due to weather or other good, unforeseen reasons need to be relayed to the Engineer and the LCDOT Materials Lab at (847) 377-7493, ASAP! Repeated cancellations without sufficient notice and/or for no good reason, in the opinion of the Engineer, will lead to a deduction for any incurred County Material Consultant costs from future pay estimates.

Concrete Test Cylinders:

The Contractor shall not transport concrete cylinders until a minimum of 8 hours have elapsed after the final set. Concrete cylinders shall be transported prior to 48 hours for standard curing. The cylinders will be transported within the above time frame, regardless of what day of the week the cylinders were cast.

A sufficient quantity of cylinders shall be cast to provide for an additional break beyond the specified break requirements. Until QC & QA (LCDOT) have confirmed that proper strength has been obtained for the specified break, QC will retain at least two additional 6" x 12" cylinders or three 4" x 8" cylinders for average strength. In the event the cylinder breaks fail to reach the required strength, according to Article 1020 of the "Standard Specifications", the two additional 6" x 12" cylinders or three 4" x 8" cylinders will be broken at a later date determined by LCDOT.

PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION (LCDOT)

Effective: May 19, 2014

All existing drainage structures shall be kept free of debris resulting from construction operations. All work and material necessary to prevent accumulation of debris in the drainage structures will be considered as included in the unit bid prices of the inlet protection, inlet filters and other temporary erosion control measures. Any debris in the drainage structures resulting from construction operations shall be removed at the Contractor's own expense, and no extra compensation will be allowed.

Should reconstruction or adjustment of a drainage structure be required by the Engineer in the field, the necessary work and payment shall be done according to Section 602 and Article 104.02 respectively of the "Standard Specifications".

During construction, if the Contractor's forces encounter or otherwise becomes aware of any sewers, underdrains or field drains within the right-of-way other than those shown on the plans, they shall inform the Engineer. The Engineer shall direct the work necessary to maintain or replace the facilities in service, and to protect them from damage during construction if maintained. Existing facilities to be maintained that are damaged because of non-compliance with this provision shall be replaced at the Contractor's own expense. Should the Engineer direct the replacement of a facility, the necessary work and payment shall be done in accordance with Section 550, Section 601 and Article 104.02 respectively of the "Standard Specifications".

ARTICLE 107.09 PUBLIC CONVENIENCE AND SAFETY (LCDOT)

Effective: January 1, 2007

Revised: March 20, 2015

The Contractor shall limit public inconveniences and safety conflicts according to Article 107.09 of the “Standard Specifications” and the following:

Keeping Roads Open to Traffic:

For this project the Contractor shall maintain traffic according to the Maintenance of Traffic Plan shown on the plans. The Contractor shall limit flagging operations affecting the open lanes i.e. flagging for vehicles entering or leaving the construction site etc ..., to the following times:

<i>LCDOT General Work Hours⁽¹⁾</i>			
<i>Monday - Friday</i>	<i>9:00 am</i>	<i>to</i>	<i>3:00 pm</i>
<i>Saturday</i>	<i>9:00 am</i>	<i>to</i>	<i>3:00 pm</i>

⁽¹⁾Exceptions listed below

City of Highland Park			
<i>Monday - Friday</i>	<i>7:00 am</i>	<i>to</i>	<i>7:00 pm</i>
<i>Saturday⁽²⁾</i>	<i>9:00 am</i>	<i>to</i>	<i>5:00 pm</i>

⁽²⁾With prior City Approval

Village of Wheeling			
<i>Monday - Friday</i>	<i>7:00 am</i>	<i>to</i>	<i>6:00 pm</i>
<i>Saturday</i>	<i>7:00 am</i>	<i>to</i>	<i>3:00 pm</i>

At all other times, including periods of no construction activity, the Contractor shall maintain the available traffic lanes.

If local and/or area conditions warrant the above times may be adjusted (i.e. lengthened or shortened) by the Engineer. To request a change the Contractor shall submit to the Engineer a plan including the revised start and end time a minimum of 48 hours prior to the proposed revision. The Engineer will notify the Contractor 24 hours in advance with an approval or disapproval.

If the Contractor fails to provide a plan and/or the Contractor disregards the decision by of the Engineer the Traffic Control Deficiency Charge will be applied as stated in the Special Provisions for Traffic Control and Protection.

- **No work shall be done on the City of Highland Park Streets on Sundays or the following holidays:**
 - Independence Day (7/4/16)
 - Labor Day (9/5/16)
 - Rosh Hashanah (Sundown 10/2/16 thru 10/3/16)
 - Yom Kippur (Sundown 10/11/16 thru 10/12/16)

Safety and Convenience: *The Contractor shall maintain entrances along the proposed improvement. Interference with traffic movements and inconvenience to owners of abutting property and the public shall be kept to a minimum. Any delays or inconveniences caused by the Contractor, by complying with these requirements shall be considered as included in the unit bid prices of the contract and no additional compensation will be allowed.*

Contractors shall plan their work so that there will be no open holes in the pavement and that all barricades will be removed from the roadway during non-working hours, except where required for public safety.

Steel road plates may be used as temporary cover over excavations. Anytime steel road plates are in the roadway these requirements apply:

- *The steel road plate shall sit flat on the pavement and be free of defects and warping*
- *It shall be shimmed with a non-asphaltic material to prevent vertical movement*
- *If the steel road plate is not under constant surveillance, it shall be pinned to prevent horizontal movement by a minimum of 6 pins; 4 pins predrilled into the corners of the plates and 1 pin predrilled into each side parallel to the trench. Pins shall be drilled 3 inches into the pavement and not protrude above the pavement surface*
- *The steel road plate shall be at least 1 inch thick and large enough to allow a minimum of 1 foot of bearing on each side of the trench*
- *A one foot wide HMA surface course ramp shall be placed around the perimeter of the plate*
- *Multiple steel road plates shall be tack welded together to prevent separation if they are not under constant surveillance*
- *Appropriate advanced warning signs (W8-24 "STEEL PLATE AHEAD" and W8-1 "BUMP") are required*

Steel road plates may be left in place overnight, in emergency situations and with the concurrence of the Engineer. Steel road plates left in place overnight shall be attached to the roadway by a minimum of 6 pins; 4 pins predrilled into the corners of the plates and 1 pin predrilled into each side parallel to the trench. Pins shall be drilled 3 inches into the pavement and not protrude above the pavement surface.

Steel road plates left in-place for more than 72 hours, shall also be:

- *Recessed into the street surface the thickness of the steel road plate with no difference in elevation with the existing surface*
- *Secured in-place to prevent horizontal movement with HMA surface course between the existing pavement vertical edge and the steel road plate*

Road plates shall not be used from November 15th to April 15th without approval from the Engineer.

ARTICLE 107.20 PROTECTION AND RESTORATION OF PROPERTY (LCDOT)

Effective: January 1, 2007

Revised: May 19, 2014

The Contractor shall protect and restore property according to Article 107.20 of the “Standard Specifications” and the following:

Trees and Shrubs: *Extra care shall be exercised when operating equipment around trees or shrubs. Injured branches or roots shall be pruned in a manner satisfactory to the Engineer and shall be painted where the cut was made. Roots exposed during excavating operations shall be neatly pruned and covered with topsoil. This work shall be done as soon as possible and shall be considered as included in the unit bid price(s) of the various excavation (e.g. Earth Excavation, Excavating and Grading Existing Shoulder, Structure Excavation, Furnished Excavation etc...) and excavation related (e.g. Storm Sewers, Grading and Shaping Ditches, Concrete Foundations, etc...) work items shown in the Summary of Quantities. No additional compensation will be allowed this work.*

ARTICLE 107.23 PROTECTION OF STREAMS, LAKES, RESERVOIRS, NATURAL AREAS, WETLANDS, PRAIRIE AREAS, SAVANNAHS, AND ENDANGERED AND THREATENED SPECIES (LCDOT)

Effective: April 1, 2008

Revised: May 19, 2014

CONCRETE WASHOUT FACILITY

Description: The Contractor shall take sufficient precautions to prevent pollution of streams, lakes, reservoirs, and wetlands with fuels, oils, bitumens, calcium chloride, or other harmful materials according to Article 107.23 of the “Standard Specifications”.

General: *To prevent pollution by residual concrete and/or the by product of washing out the concrete trucks, concrete washout facilities shall be constructed and maintained on any project which includes cast-in-place concrete items. The concrete washout shall be constructed, maintained, and removed according to this special provision and LCDOT standard LC4202 included in these plans. Concrete washout facilities shall be required on all projects regardless of the need for NPDES permitting. On projects requiring NPDES permitting, concrete washout facilities shall also be addressed in the Storm Water Pollution Prevention Plan.*

The concrete washout facility shall be constructed on the job site according to LC4202. The Contractor may elect to use a pre-fabricated portable concrete washout structure. The Contractor shall submit a plan for the concrete washout facility, to the Engineer for approval, a minimum of 10 calendar days before the first concrete pour. The working concrete washout facility shall be in place before any delivery of concrete to the site. The Contractor shall ensure that all concrete washout activities are limited to the designated area.

The concrete washout facility shall be located no closer than 50 feet from any environmentally sensitive areas, such as water bodies, wetlands, and/or other areas indicated on the plans. Adequate signage shall be placed at the washout facility and elsewhere as necessary to clearly indicate the location of the concrete washout facility to the operators of concrete trucks.

The concrete washout facility shall be adequately sized to fully contain the concrete washout needs of the project. The contents of the concrete washout facility shall not exceed 75% of the facility capacity. Once the 75% capacity is reached, concrete placement shall be discontinued until the facility is cleaned out. Hardened concrete shall be removed and properly disposed of outside the right-of-way. Slurry shall be allowed to evaporate, or shall be removed and properly disposed of outside the right-of-way. The Contractor shall immediately replace damaged basin liners or other washout facility components to prevent leakage of concrete waste from the washout facility. Concrete washout facilities shall be inspected by the Contractor after each use. Any and all spills shall be reported to the Engineer and cleaned up immediately. The Contractor shall remove the concrete washout facility when it is no longer needed.

Basis of Payment: This work will not be paid for separately, but shall be included in unit bid prices of the various concrete work items (e.g. portland cement concrete pavement; portland cement concrete sidewalk, and combination concrete curb and gutter etc...), shown in the Summary of Quantities.

ARTICLE 107.25 PROTECTION AND RESTORATION OF TRAFFIC SIGNS (LCDOT)

Effective: January 1, 2007

Revised: May 19, 2014

The Contractor shall protect and restore traffic signs within the limits of the project according to Article 107.25 of the "Standard Specifications" and the following:

- 1. All signs removed shall be reinstalled 16 feet to 18 feet off the edge of pavement where possible. In curb sections this will vary and will be determined by the Lake County Division of Transportation.*
- 2. All single sign installations shall be installed with the bottom of the sign 5 feet above edge of pavement in rural districts, and 7 feet above the edge of pavement in business, commercial or residential districts. On installations having two or more signs, the bottom of the lowest sign shall be 4 feet above edge of pavement.*
- 3. All signs replaced will be erected using new "Telespar" system metal bases cut 42" long from 2¼" square material. They are to be driven into solid ground using a pneumatic driver. This work will not be paid for separately but shall be included in the lump sum cost of TRAFFIC CONTROL AND PROTECTION (SPECIAL).*

ARTICLE 107.27 INSURANCE (LCDOT)

Effective: January 1, 2007

Revised: May 19, 2014

The Contractor shall obtain and thereafter keep in force insurance according to Article 107.27 of the "Standard Specifications" and the following:

The minimum Employers Liability limits listed in paragraph 107.27(a)(2) shall be increased to the following limits:

- (2) Employers Liability
 - a. Each Accident \$1,000,000
 - b. Disease-policy limit \$1,000,000
 - c. Disease-each employee \$1,000,000

The minimum Commercial General Liability limits listed in paragraph 107.27(b) shall be increased to the following limits along with the addition of a Personal and Advertising Injury Limit:

- (1) General Aggregate Limit \$4,000,000
- (2) Products-Completed Operations Aggregate Limit \$4,000,000
- (3) Personal and Advertising Injury Limit \$1,000,000
- (4) Each Occurrence Limit \$2,000,000

The minimum Commercial Automobile Liability limit listed in paragraph 107.27(c) shall remain at:

Bodily Injury & Property Damage
Liability Limit Each Occurrence \$1,000,000

In addition to the Department, its officers, and employees, coverage shall be provided for Lake County, its agents, officers and employees, named as additional insured under ISO (Insurance Services Office) additional insured endorsement CG 20 26, edition date 07/04 or its equivalent. Coverage shall be provided for Lake County, its officers, agents and employees, all members of Boards, Commissions, Committees, Trustees and Organizations of the County, all volunteers and members of volunteer organizations and other non-paid personnel, including college and high school interns, while acting on behalf of the County. The Contractor's insurance shall be primary and non-contributory.

The contractual liability insurance coverage shall be broad enough to respond to the liability assumed by the Contractor in the following Hold Harmless Clause:

Hold Harmless Clause

The Provider agrees to indemnify, save harmless and defend the County of Lake, its agents, servants, and employees and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses and expenses, including court costs and attorney's fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of or in connection with the work covered by this contract. The foregoing indemnity shall apply except if such injury, death or damage is caused directly by the willful and wanton conduct of the County of Lake, its agents, servants, or employees or any other person indemnified hereunder.

In the event the Contractor fails to obtain or maintain any insurance coverage required under this agreement, Lake County may purchase such insurance coverage and charge the expense thereof to the Contractor.

ARTICLE 107.29 OPENING OF SECTION OF HIGHWAY TO TRAFFIC (LCDOT)

Effective: January 1, 2007

Revised: May 19, 2014

Work under construction shall be opened to traffic according to Article 107.29 of the "Standard Specifications" and the following:

The Contractor shall work expeditiously to open traffic lanes closed due to roadwork. The Engineer shall be the sole judge of when a lane is ready to be opened to traffic. The opening of a lane to traffic shall be in accordance to Section 107.29 of the "Standard Specifications".

Roadwork requiring a closure of a lane, which has been opened previously to traffic, will be allowed at the discretion of the Engineer and under the following conditions:

- 1. The lane closure shall only be in effect while workers are present in or near the closed lane.*
- 2. The closed lane will be reopened to traffic at the end of the workday.*
- 3. All traffic control devices pertaining to the lane closure shall be removed from the roadway at the end of the workday.*

SECTION 108 PROSECUTION AND PROGRESS (LCDOT)

Effective January 1, 2007

Revised: May 19, 2014

It is the intent of the County that this project be constructed in an orderly and timely manner. Toward this end, the Contractor shall take special note of the provisions of Article 105.06, Article 108.01 paragraph 2, and Article 108.02 of the "Standard Specifications" which shall be adhered to.

The Contractor shall coordinate all work between their forces and subcontractors to enable completion within the allotted working days.

ARTICLE 108.06 LABOR, METHODS, AND EQUIPMENT

Effective: May 29, 2015

The Contractor and each subcontractor shall meet the requirements of LRS12, Special Provision for Wages of Employees on Public Works except as follows:

The certified payroll(s) submitted by the Contractor and each subcontractor shall be submitted electronically in a PDF format. The accompanying statement signed by the Contractor or subcontractor may be scanned or contain an electronic signature. The documents shall be submitted via e-mailed to the Engineer.

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

SECTION 780 PAVEMENT STRIPING (LCDOT)

Effective: July 1, 2007
Revised: May 19, 2014

Description: This work shall consist of furnishing and applying thermoplastic pavement markings.

Materials: The materials shall be according to Article 780.02 of the “Standard Specifications” and the following:

Article 1095.01 for Thermoplastic Pavement Markings, paragraph (a) Ingredient Materials, subparagraph (4) Glass Beads, shall be modified by adding the following sentence:

The percentage of Glass Beads, Type A, shall be raised to 45% by decreasing the percentage of filler material specified in subparagraph (3) by 15% .

General: This work shall be performed according to Section 780 of the “Standard Specifications” and the following:

The equipment used to apply thermoplastic pavement markings, under this contract, shall be limited to hand-operated equipment only. Truck-mounted equipment shall not be used.

Method of Measurement:

Lines will be measured for payment in place in feet. 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 IDOT standard 780001. They will be measured based on the total areas indicated in Table 1 of Section 780 of the “Standard Specifications”, or as indicated on the plans.

Basis of Payment: This work will be paid for at the contract price per foot of applied THERMOPLASTIC PAVEMENT MARKING – LINE of the width specified; and/or per square foot for THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS.

INTENTIONALLY

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Traffic Control Plan (L.C.-T- Section 700)

Effective 06/01/2012

Traffic Control shall be performed according to the applicable sections of the “Standard Specifications”, the “Supplemental Specifications”, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways”, the “Quality Standard for Work Zone Traffic Control Devices”, any special details and Highway Standards as shown on the plans and the special provisions contained herein.

Special attention is called to Articles 105.03(b), 105.05, and 107.09, and to Sections 701, 704, and 782 of the “Standard Specifications”, and to the following Highway Standards, Details, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the Engineer at least 72 hours in advance of beginning work.

STANDARDS

701001-02	701006-05	701101-04	701106-02
701201-04	701301-04	701306-03	701311-03
701336-06	701421-07	701422-08	701426-08
701501-06	701502-06	701601-09	701602-07
701606-10	701801-06	701901-05	

DETAILS

LC7000	LC7003	LC7005	LC7200
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RECURRING SPECIAL PROVISIONS

LRS3 Special Provision for Work Zone Traffic Control Surveillance

DETOURS

Detours and road closures on county maintained roads within Lake County, Illinois shall be according to the applicable Articles and Sections of the “Standard Specifications”, the “Supplemental Specifications”, the “Illinois Manual on Uniform Traffic Control Devices for Streets and Highways”, the Lake County Division of Transportation’s Detour Procedures and Guidelines, any special details and Highway Standards as shown on the Detour Plan and the Special Provisions contained herein. The LCDOT Detour Procedures and Guidelines are available from the LCDOT, Traffic Engineering Section upon request.

Traffic Control and Protection (Special) (L.C.-T- Section 700)

Effective 06/01/2012

The Traffic Control and Protection (Special) shall meet the requirements of Division 700. Work Zone Traffic Control and Protection, Signing, and Pavement Marking of the “Standard Specifications” except as follows:

Article 701.01 Description shall be replaced with the following:

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

Article 701.02 Materials shall be modified by adding the following paragraph:

Traffic control devices include signs and their supports, signals, pavement markings, barricades and their approved weights, channeling devices, warning lights, arrow boards, flaggers, or any other device used for the purpose of regulating, detouring, warning or guiding traffic through or around the construction zone.

Article 701.04 General shall be modified by adding the following as the first paragraph:

Traffic Control and Protection (Special) shall be provided as shown on the plans and applicable Highway Standards; as required in these special provisions and the applicable sections of the “Standard Specifications”; and/or as directed by the Engineer.

Article 701.04 General shall be modified by adding the following to the fourth paragraph:

The Contractor shall dispatch men, materials, and equipment to correct any such deficiencies. The Contractor shall respond to any call from LCDOT concerning any request for improving or correcting traffic control devices and begin making the requested repairs within two hours from the time of notification.

Article 701.10 Surveillance shall be replaced with the following:

The Contractor is required to conduct routine inspections of the work site at a frequency that will allow for the timely replacement of any traffic control device that has become displaced, worn or damaged to the extent that it no longer conforms to the shape, dimensions, color and operational requirements of the MUTCD, the Traffic Control Standards, the IDOT Quality Standard For Work Zone Traffic Control Devices, or will no longer present a neat appearance to motorists. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement.

The Contractor shall ensure that all the traffic control devices he/she installs are operational, functional and effective 24 hours a day, seven days a week, including holidays.

Article 701.13 Flaggers (a) shall be modified by revising the second paragraph of subparagraph (a) by adding the following:

The Engineer will determine when a side road or entrance shall be closed to traffic. The flagger shall be positioned as shown on the plans or as directed by the Engineer.

Article 701.14 Signs (a) Road Construction Ahead Signs shall be modified by changing the following in the paragraph:

“ROAD WORK AHEAD” signs shall be required in lieu of “ROAD CONSTRUCTION AHEAD” SIGNS

Article 701.14 Signs (b) Work Zone Speed Limit Signs shall be revised to read:

- (b) Work Zone Speed Limit Signs. The Lake County Division of Transportation will specify whether a project meets the criteria for a Work Zone Speed Limit. When specified, the work zone speed limit signs shall be installed as shown on the LCDOT Work Zone Speed Limit Signing Diagram, LC7203, at a maximum of 20 feet lateral distance of the locations shown on the plans. Failure to install and maintain the required amount of signs at the proper sign spacing shall result in an immediate traffic control deficiency.

All permanent “SPEED LIMIT” signs located within the work zone shall be removed or covered. If the speed limit sign is to be covered, it shall be done in a manner that no part of the legend shall be visible in any lighting condition. This work shall be completed by the Contractor after the method of covering the speed limit signs has been approved by the Engineer.

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

The work zone speed limit signs will be removed when roadway conditions return to normal or when the construction project is suspended for more than 30 days.

Article 701.14 Signs shall be modified by adding the following section (c),

- (c) Temporary Construction Information Signs. When indicated in the traffic control plan or as directed by the Engineer the Contractor shall furnish, install, maintain, relocate, and remove for various stages of construction Temporary Construction Information Signs.

Temporary Construction Information Signs may include:

Driveway	White Legend on Green Background
Caution – New Lanes Open	Black Legend on Orange Background

The signs, as shown on Lake County Detail LC7201, shall be installed according to the traffic control plan and/or as directed by the Engineer.

Article 701.15 Traffic Control Devices (b) Type I, II and III Barricades shall be deleted and replaced with the following:

Type II barricades shall be used at all locations that call for Type I, or Type II barricades.

Type II barricades are used to channelize traffic; to delineate unattended obstacles, patches, excavations, drop-offs, and other hazards; and as check barricades

Any drop off greater than three inches, but less than six inches, located within eight feet of the pavement edge shall be protected by Type II barricades equipped with mono-directional steady burn lights. The barricades shall be placed at a spacing of 100 feet center to center. For any drop off within eight feet of the pavement edge that exceeds six inches, the Type II barricades equipped with mono-directional steady burn lights shall be placed at a spacing of 50 feet center to center. Barricades that must be placed in excavated areas shall have leg extensions installed so that the top of the barricade is in compliance with the height requirements of IDOT Standard 701901.

Check barricades shall be placed in work areas perpendicular to traffic every 1,000 feet, at one per lane and one per shoulder, to prevent motorists from using work areas as a traveled way. Two additional check barricades shall be placed in advance of each patch excavation or any other hazard in the work area. The first will be placed at the edge of the open traffic lane and the second centered on the closed lane. Check barricades shall be Type II and equipped with flashing amber light.

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

Article 701.15 Traffic Control Devices (e) Direction Indicator Barricades shall be modified by adding the following paragraph.

The direction indicator barricades shall meet the requirements for Type II barricades as stated in this special provision. The top panel, which faces traffic, shall be as shown in IDOT Highway Standard 701901. The top panel, facing away from traffic shall have a 12 inch x 24 inch orange and white diagonal panel. The bottom panels shall be eight inches x 24 inches with orange and white diagonal sheeting, as shown in LCDOT's Special Detail LC7200.

Article 701.15 Traffic Control Devices (j) Portable Changeable Message Signs shall be modified by adding the following paragraphs:

The PCMS shall be compatible and fully functional with the LCDOT's Transportation Management Center PASSAGE PCMS Control Software. A list of approved PCMS's manufacturers and traffic control vendors is available upon request from the LCDOT. The PCMS shall be tested and approved by the LCDOT and can be sufficiently controlled by the LCDOT NTCIP compliant software. If the PCMS has not been tested or approved by either the Illinois State Toll Highway Authority or the LCDOT then the PCMS will need to be tested and certified by the Delcan Corporation at the Contractor's expense.

Lake County Division of Transportation (PASSAGE)
Software Developer:
Delcan
650 East Algonquin Road, Suite 101
Schaumburg, IL 60173

In case of a Traffic Incident Management (TIM) event or other County/State declared Emergency Management event, the use of the PCMS may be pre-empted from the Contractor's use by the Lake County Transportation Management Center for the duration of the incident. If the PCMS must be moved from the limits of the work site to an offsite location to better facilitate

the use of the PCMS during the incident, the Contractor will be compensated for the labor and equipment to move the PCMS to the designated location and back, according to Article 109.04 (b) of the "Standard Specifications". In order to facilitate the movement of the PCMS in a timely manner, the LCDOT may use County Forces to move the PCMS to the designated location and/or back, at no additional cost to the Contractor.

When the sign(s) are displaying messages, they shall be considered a traffic control device. At all other times when no message is displayed, they shall be considered equipment.

Basis of Payment. Changeable message signs will be paid for at the contract unit price per calendar month for each sign as CHANGEABLE MESSAGE SIGN, as stated in Article 701.20 of this special provision.

Article 701.17 Specific Construction Operations (c) Surface Courses and Pavement (1) Prime Coat shall be replaced by the following:

- (1) Prime Coat. "FRESH OIL" signs (W21-2) shall be used when the prime coat is applied to pavement that is open to traffic. The signs shall remain in place until tracking of the prime ceases. These signs shall be erected a minimum of 500 feet preceding the start of the prime and on all side roads within the posted area. The signs on the side roads shall be posted a minimum of 200 feet from the mainline pavement. These signs are excluded from the time requirements of Article 701.04 of the "Standard Specifications" as modified by this special provision (above). Non-compliance with the provisions of this section, by the Contractor, shall result in an immediate traffic control deficiency deduction. All signs shall have an amber flashing light attached.

Article 701.17 Specific Procedures (c) Surface Courses and Pavement (2) Cold Milling shall be replaced by the following:

- (2) Cold Milling. "ROUGH GROOVED SURFACE" signs (W8-I107) shall be used when the road has been cold milled and is open to traffic. The signs shall remain in place until the milled surface condition no longer exists. These signs shall be erected a minimum of 500 feet preceding the start of the milled pavement and on all side roads within the posted area. The signs on the side roads shall be posted a minimum of 200 feet from the mainline pavement. Non-compliance with the provisions of this section, by the Contractor, shall result in an immediate traffic control deficiency deduction. All signs shall have an amber flashing light attached.

Article 701.17 Specific Procedures (c) Surface Course and Pavement shall be modified by adding the following paragraph:

- (6) Area Reflective Crack Control Treatment Fabric. "SLIPPERY WHEN WET" signs (W8-5) shall be used when crack control fabric is applied to pavement that is open to traffic. These signs shall remain in place until the binder course is laid. The signs shall be erected a minimum of 500 feet preceding the start of the crack control treatment and on all side roads within the posted area. The signs on the side roads shall be posted a minimum of 200 feet from the mainline pavement. These signs are excluded from the time requirements of Article 701.04 of the "Standard Specifications" as modified by this special provision (above). Non-compliance with the provisions of this section, by the Contractor, shall result in an immediate traffic control deficiency deduction. All signs shall have an amber flashing light attached.

Article 701.18 Highway Standards Application (b) Standard 701316 and 701321 (2) g. Detector Loops, shall be replaced with the following:

- g. Detection. Microwave Vehicle Sensors shall be installed as directed by the Engineer. The LCDOT shall approve the proposed microwave vehicle sensor before the Contractor may furnish or install it. The Contractor shall install, wire and adjust the alignment of the sensor according to the manufacturer's recommendations and requirements. The Engineer shall approve the installation. An alternate method of detection may be used if it has been demonstrated and approved by the Department.

The microwave vehicle sensor shall meet the following requirements:

- Detection Range: Adjustable to 60 feet
- Detection Angle: Adjustable, horizontal and vertical
- Detection Pattern: 16 degree beam width minimum [at 50 feet the pattern shall be approximately 15.5 feet wide]
- Mounting: Heavy-duty bracket, predrilled and slotted for pole mounting
- LED Indicator Light: For detection verification

Article 701.18 Highway Standards Application (j) Urban Traffic Control, Standards 701501, 701502, 701601, 701602, 701606, 701701, and 701801 (1) General, shall be modified by adding the following paragraphs:

Whenever a lane is closed to traffic using IDOT standard 701601, 701606, or 701701, the pavement width transition sign (W4-2R or W4-2L) shall be used in lieu of the "WORKERS" sign (W21-1 or W21-1a)

Whenever any vehicle, equipment, workers or their activities infringe on the shoulder or within 15 feet of the traveled way, and the traveled way remains unobstructed, then the applicable Traffic Control Standard shall be 701006, 701011, 701101, or 701701. The "SHOULDER WORK AHEAD" sign (W21-5(0)-48) shall be used in lieu of the "WORKERS" sign (W21-1 or W-21-1a).

Article 701.18 Highway Standards Application shall be modified by adding the following section (l):

- (l) IDOT standard 701331. When IDOT standard 701331 is specified on two-lane, two-way roadways, a "LANE SHIFT AHEAD" sign shall be added 500 feet in advance of W1-3 or W1-4 sign. The Road Work sign (W20-1) shall be extended to a total of 1500' from the start of the lane shift.

Article 701.19 Method of Measurement shall be replaced completely with the following:

701.19 Method of Measurement.

These items of work will be measured on a lump sum basis for furnishing installing, maintaining, replacing, relocating and removing the traffic control devices required in the plans and these special provisions.

Article 701.20 Basis of Payment shall be replaced completely with the following:

701.20 Basis of Payment

This work will be paid for at the contract unit price per lump sum for TRAFFIC CONTROL AND PROTECTION (SPECIAL). The payment will be in full for all labor, materials, transportation, and incidentals necessary to furnish, install, maintain, replace, relocate and remove all traffic control devices indicated in the plans and specifications, except for the following items, which will be paid for separately.

- 1) Temporary Bridge Traffic Signals
- 2) Temporary Rumble Strips [where each is defined as 25 feet]

- 3) Temporary Raised Pavement Markers
- 4) Sand module impact attenuators
- 5) Portable Changeable Message Signs
- 6) Temporary Concrete Barrier
- 7) Temporary Pavement Marking-Letters and Symbols
- 8) Temporary Pavement Marking-Line at width specified

The salvage value of the materials removed shall be reflected in the bid price for this item.

Any delays or inconveniences incurred by the Contractor while complying with these requirements shall be considered as part of TRAFFIC CONTROL AND PROTECTION (SPECIAL) and no additional compensation will be allowed.

Any traffic control devices required by the Engineer to implement the Traffic Control Plan as shown in the plans and specifications of the contract shall be considered included in the pay item TRAFFIC CONTROL AND PROTECTION (SPECIAL).

If the Engineer requires additional work involving a substantial change of location and/or work which differs in design and/or work requiring a change in the type of construction, as stated in Article 104.02(d) of the "Standard Specifications", the standards and/or the designs, other than those required in the plans, will be made available to the Contractor at least one week in advance of the change in traffic control. Payment for any additional traffic control required for the reasons listed above will be in accordance with Article 109.04 of the "Standard Specifications".

Revisions in the phasing of construction or maintenance operations, requested by the Contractor, may require traffic control to be installed according to standards and/or designs other than those included in the plans. The Contractor shall submit revisions or modifications to the traffic control plan shown in the contract to the Engineer for approval. No additional payment will be made for a Contractor requested modification.

In the event the sum total of all work items for which traffic control and protection is required is increased or decreased by more than ten percent, the contract bid price for TRAFFIC CONTROL AND PROTECTION will be adjusted as follows:

$$\text{Adjusted Contract Price} = 0.25P + 0.75P [1 \pm (X - 0.1)]$$

P = the contract price for TRAFFIC CONTROL AND PROTECTION (SPECIAL)

$$X = \frac{\text{Difference between original and final value of work for which traffic control and protection is required.}}{\text{Original value of work for which traffic control and protection is required.}}$$

The value of the work items used in calculating the increase and decrease will include only items that have been added to or deducted from the contract under Article 104.02 of the "Standard Specifications" and only items that require the use of TRAFFIC CONTROL AND PROTECTION (SPECIAL).

In the event LCDOT cancels or alters any portion of the contract that result in the elimination or incompleteness of any portion of the work, payment for partially completed work will be made according to Article 104.02 of the "Standard Specifications".



The following Special Provisions and Supplemental Specifications approved by the State of Illinois Department of Transportation are applicable for this work and are on file in the office of the Lake County Engineer. Copies are available to prospective bidders upon request.

- Fair Employment Practices, Form LRS11, amended to conform to the latest “Equal Employment Opportunity Clause” required by the Illinois Fair Employment Practices Commission as a material form of all public contracts.
- Prevailing Wage Rates for the County of Lake

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

**SPECIAL PROVISION
FOR
EMPLOYMENT PRACTICES**

Effective: January 1, 1999

In addition to all other labor requirements set forth in this proposal and in the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation, during the performance of this contract, the Contractor for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor") agrees as follows:

Selection of Labor. The Contractor shall comply with all Illinois statutes pertaining to the selection of labor.

Equal Employment Opportunity. During the performance of this contract, the Contractor agrees as follows:

- (a) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap or 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.
- (b) That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability 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.
- (c) 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, national origin, ancestry, age, martial status, physical or mental handicap or unfavorable discharge from military service.

That it will send to each labor organization or representative of workers with which it has or is bound by 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 and Regulations. If any such labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with so such Act and Rules and Regulations, the Contractor will promptly so notify the Illinois Department of Human Rights and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.

CHECK SHEET #LRS11

- (e) That it will submit reports as required by the Department of Human Rights Rules and Regulations, 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 and Regulations.
- (f) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency Illinois Department of Human Rights for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.
- (g) That it will include verbatim or by reference the provisions of this clause in every subcontract so that such provisions will be binding upon every 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 all its subcontractors; and further it will promptly notify the contracting agency and the Illinois Department of Human Rights in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

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			
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			
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)

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.

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

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

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

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

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

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

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

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

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

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

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

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

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

TERRAZZO FINISHER

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

Other Classifications of Work:

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

LANDSCAPING

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

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

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

INTENTIONALLY

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CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

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

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

Revised 10/14/14

CHECK SHEET
FOR
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

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

<u>LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS</u>		<u>PAGE NO.</u>
<u>CHECK SHEET #</u>		
1	Reserved	130
2	<input type="checkbox"/> Furnished Excavation	131
3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	132
4	<input type="checkbox"/> Flaggers in Work Zones	133
5	<input checked="" type="checkbox"/> Contract Claims	134
6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	135
7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	141
8	Reserved	147
9	<input type="checkbox"/> Bituminous Surface Treatments	148
10	Reserved	149
11	<input checked="" type="checkbox"/> Employment Practices	150
12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	152
13	<input checked="" type="checkbox"/> Selection of Labor	154
14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	155
15	<input checked="" type="checkbox"/> Partial Payments	158
16	<input checked="" type="checkbox"/> Protests on Local Lettings	159
17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	160
18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	161

ERRATA FOR THE 2016 STANDARD SPECIFICATIONS (BDE)

Effective: April 1, 2016

- Page 84 Article 204.02. In the seventh line of the first paragraph change “AASHTO T 99 (Method C)” to “Illinois Modified AASHTO T 99 (Method C)”.
- Page 90 Article 205.06. In the first sentence of the third paragraph change “AASHTO T 99 (Method C)” to “Illinois Modified AASHTO T 99 (Method C)”.
- Page 91 Article 205.06. In the first sentence of the fourth paragraph change “AASHTO T 99 (Method C)” to “Illinois Modified AASHTO T 99 (Method C)”, and in the second sentence change “AASHTO T 224” to “Illinois Modified AASHTO T 99 (Annex A1)”.
- Page 91 Article 205.06. In the second line of the fifth paragraph change “AASHTO T 191” to “Illinois Modified AASHTO T 191”.
- Page 91 Article 205.06. In the sixth line of the eighth paragraph change “AASHTO T 99 (Method C)” to “Illinois Modified AASHTO T 99 (Method C)”.
- Page 148 Article 302.09. In the second sentence of the fifth paragraph change “AASHTO T 191” to “Illinois Modified AASHTO T 191”, and in the third sentence change “AASHTO T 99” to “Illinois Modified AASHTO T 99”.
- Page 152 Article 310.09. In the second sentence of the second paragraph change “AASHTO T 191” to “Illinois Modified AASHTO T 191”, and in the third sentence change “AASHTO T 99” to “Illinois Modified AASHTO T 99”.
- Page 155 Article 311.05(a). In the first sentence of the fifth paragraph change “AASHTO T 99 (Method C)” to “Illinois Modified AASHTO T 99 (Method C)”, and in the second sentence change “AASHTO T 224” to “Illinois Modified AASHTO T 99 (Annex A1)”.
- Page 155 Article 311.05(a). In the second line of the sixth paragraph change “AASHTO T 191” to “Illinois Modified AASHTO T 191”.
- Page 163 Article 351.05(a). In the second sentence of the fifth paragraph change “AASHTO T 99 (Method C)” to “Illinois Modified AASHTO T 99 (Method C)”, and in the third sentence change “AASHTO T 224” to “Illinois Modified AASHTO T 99 (Annex A1)”.
- Page 163 Article 351.05(a). In the second line of the sixth paragraph change “AASHTO T 191” to “Illinois Modified AASHTO T 191”.
- Page 169 Article 352.11. In the second sentence of the fourth paragraph change “AASHTO T 191” to “Illinois Modified AASHTO T 191”, and in the third sentence change “AASHTO T 134 (Method B)” to “Illinois Modified AASHTO T 134 (Method B)”.

Page 169 Article 352.12. In the first sentence of the first paragraph change “AASHTO T 22” to “Illinois Modified AASHTO T 22”, and in the second sentence change “AASHTO T 134 (Method B)” to “Illinois Modified AASHTO T 134 (Method B)”.

Page 196 Article 406.07(a). After the footnotes in Table 1 - Minimum Roller Requirements for HMA add the following:

“EQUIPMENT DEFINITION

- V_s - Vibratory roller, static mode, minimum 125 lb/in. (2.2 kg/mm) of roller width. Maximum speed = 3 mph (5 km/h) or 264 ft/min (80 m/min). If the vibratory roller does not eliminate roller marks, its use shall be discontinued and a tandem roller, adequately ballasted to remove roller marks, shall be used.
- V_D - Vibratory roller, dynamic mode, operated at a speed to produce not less than 10 impacts/ft (30 impacts/m).
- P - Pneumatic-tired roller, max. speed 3 1/2 mph (5.5 km/h) or 308 ft/min (92 m/min). The pneumatic-tired roller shall have a minimum tire pressure of 80 psi (550 kPa) and shall be equipped with heat retention shields. The self-propelled pneumatic-tired roller shall develop a compression of not less than 300 lb (53 N) nor more than 500 lb (88 N) per in. (mm) of width of the tire tread in contact with the HMA surface.
- T_B - Tandem roller for breakdown rolling, 8 to 12 tons (7 to 11 metric tons), 250 to 400 lb/in. (44 to 70 N/mm) of roller width, max. speed = 3 1/2 mph (5.5 km/h) or 308 ft/min (92 m/min).
- T_F - Tandem roller for final rolling, 200 to 400 lb/in. (35 to 70 N/mm) of roller width with minimum roller width of 50 in. (1.25 m). Ballast shall be increased if roller marks are not eliminated. Ballast shall be decreased if the mat shoves or distorts.
- 3W - Three wheel roller, max. speed = 3 mph (5 km/h) or 264 ft/min (80 m/min), 300 to 400 lb/in. (53 to 70 N/mm) of roller width. The three-wheel roller shall weigh 10 to 12 tons (9 to 11 metric tons).”

Page 331 Article 505.04(p). Under Range of Clearance in the first table change “in. x 10⁻⁶” to “in. x 10⁻³”.

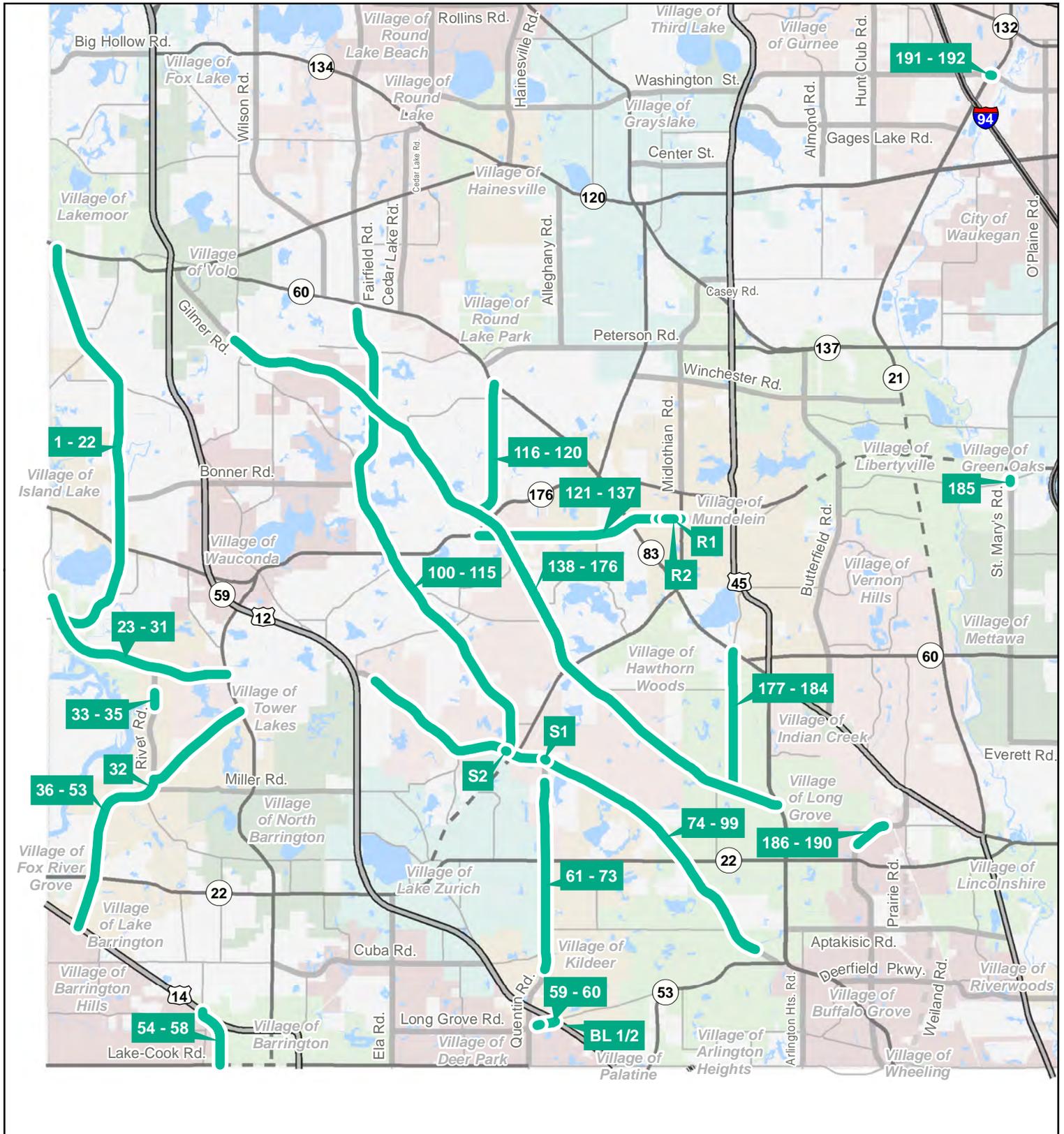
Page 444 Article 542.03. In the Notes in Table IIIB add “CPP Corrugated Polypropylene (CPP) pipe with smooth interior”.

- Page 445 Article 542.03. In the fourth column in Table IIIB (metric) change the heading for Type 5 pipe from “CPE” to “CPP”.
- Page 445 Article 542.03. In the Notes in Table IIIB (metric) change “PE Polyethylene (PE) pipe with a smooth interior” to “CPP Corrugated Polypropylene (CPP) pipe with smooth interior”.
- Page 449 Article 542.04(f)(2). In the third line of the second paragraph change “AASHTO T 99 (Method C)” to “Illinois Modified AASHTO T 99 (Method C)”.
- Page 544 Article 639.03. In the first sentence of the first paragraph change “AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, Traffic Signals,” to “AASHTO “LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals,””.
- Page 546 Article 640.03. In the first sentence of the first paragraph change “AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals” to “AASHTO “LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals””.
- Page 548 Article 641.03. In the first sentence of the first paragraph change “AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaire and Traffic Signals,” to “AASHTO “LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals,””.
- Page 621 Article 727.03. In the first sentence of the third paragraph change “AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals” to “AASHTO “LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals””.
- Page 629 Article 734.03(a). In the fourth line of the second paragraph change “AASHTO T 99 (Method C)” to “Illinois Modified AASHTO T 99 (Method C)”.
- Page 649 Article 801.02. In the first sentence of the first paragraph change “AASHTO’s Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals” to “AASHTO “LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals””.
- Page 742 Article 1003.04(c). Under Gradation in the table change “(see Article 1003.02(c))” to “(see Article 1003.01(c))”.
- Page 755 Article 1004.03(b). Revise the third sentence of the first paragraph to read “For Class A (seal or cover coat), and other binder courses, the coarse aggregate shall be Class C quality or better.”.

- Page 809 Article 1020.04(e). In the third line of the first paragraph change “ITP SCC-3” to “ITP SCC-4”.
- Page 945 Article 1069.05. In the first sentence of the tenth paragraph change ““Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals”” to “AASHTO “LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals””.
- Page 961 Article 1070.04(b)(1). In the third sentence of the first paragraph change ““Standard Specifications of Structural Supports for Highway Signs, Luminaires and Traffic Signals” published by AASHTO” to “AASHTO “LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals””.
- Page 989 Article 1077.01. In the second sentence of the first paragraph change “Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, as published by AASHTO” to “AASHTO “LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals””.
- Page 1121 Article 1103.13(a). In the first line of the first paragraph change “Bridge Deck Approach Slabs.” to “Bridge Deck and Approach Slabs.”.

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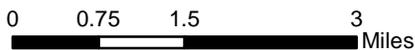
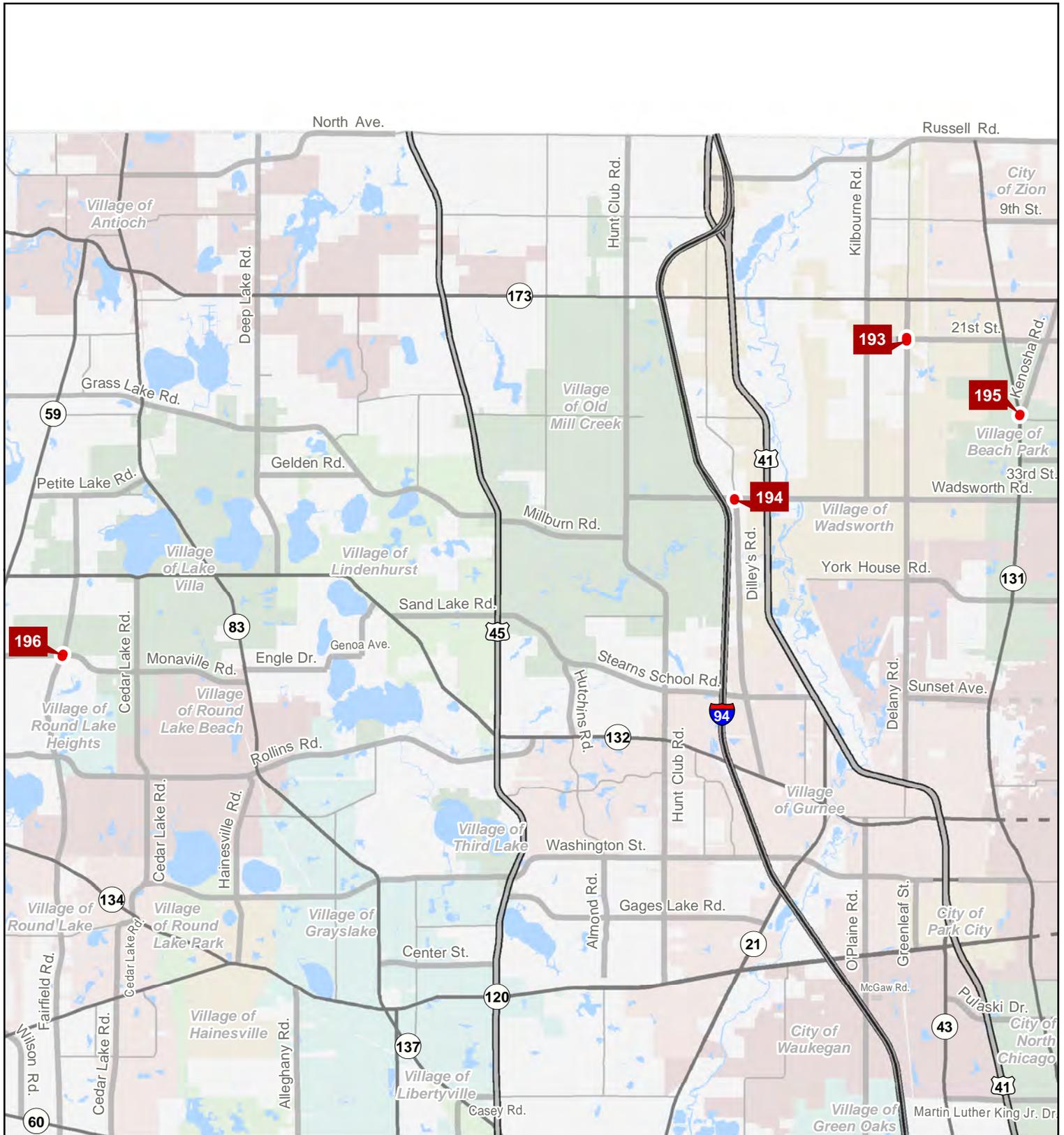
LCDOT Thermoplastic Pavement Marking Replacement



Thermoplastic Pavement Marking Replacement



LCDOT Thermoplastic Pavement Marking



 Thermoplastic Pavement Marking



LCDOT GIS
4/27/2016

**LAKE COUNTY DIVISION OF TRANSPORTATION
2016 PAVEMENT MARKING REPLACEMENT - SCHEDULE of QUANTITIES**

LOCATION		LINES							LETTERS and SYMBOLS						Pavement Marking Removal (sq ft)			
Map #	County Road (County Quadrant)	At / Intersecting With	4" White (feet)	4" Yellow (feet)	6" White (feet)	8" White (feet)	12" White (feet)	12" Yellow (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	Straight Arrow (sq ft)	ONLY (sq ft)	STOP AHEAD (sq ft)		"R" (sq ft)	"X" (sq ft)	
HMA PAVEMENT - THERMOPLASTIC PAVEMENT MARKINGS																		
1	Darrell Rd (Southwest)	North of Roberts Road		1968	204			122	23	15.6			20.8				962.0	
2		At Wisteria Way			348												174.0	
3		South of Thorton's Entrance		1412	128				128			15.6		20.8				699.0
4		Thorton's Entrance to IL Route 176		756	128				38	26	15.6			20.8				442.0
5		North of IL Route 176		3328	404				1668	26	31.2	15.6		62.4				3141.0
6		North of Lakeview Circle		2064	148				1114		15.6			20.8				1912.0
7		South of W Meadow Lane Rd		1012					24									361.0
8		Bonner Rd to W Meadow Lane Rd		2776	200				336	30		15.6		20.8				1458.0
9		Bonner Rd to N Lakeview Cir		868	344			120		24	31.2			41.6				702.0
10		At Lakeview Cir - north side		1916					112									751.0
11		School Entrance - south side		2696	214				233		31.2			41.6				1311.0
12		School Entrance to Burnett Road		3284	206				148			15.6		20.8				1382.0
13		South of Case Road		1272					65									489.0
14		Case Road to Neville Road		456	104						31.2			41.6				277.0
15		North of Neville Road		1256					126									545.0
16		North of Dowell Road			162							15.6		20.8				117.0
17		South of Fisher Road			160							15.6		20.8				116.0
18		South of Wegner Drive		2449	146				136		15.6			20.8				1062.0
19		Wegner Drive to Pondview Drive		1016					122									461.0
20		At Pondview Drive - west side						106										106.0
21		Pondview Drive to Sunset Drive		2364	326				121		15.6	15.6		41.6				1145.0
22		Sunset Dr north - conc pavement		770					48		15.6			41.6				362.0
23	Roberts Road (Southwest)	At IL Route 59		1882.0	304.0			117.0	42.0	15.6	15.6		41.6				1053.0	
24		At Twin Pond Road			171.0							15.6		20.8			122.0	
25		At Locust Drive - east side		2620.0	265.0			23.0	154.0		15.6	15.6		41.6				1256.0
26		At Locust Drive - west side		2176.0	302.0				186.0		15.6	15.6		41.6				1135.0
27		At Center Street			285.0													143.0
28		At Darrell Road - east side		2512.0	318.0				173.0	24.0	31.2			41.6				1290.0
29		Darrell Road to Noble Parkway		2542.0	212.0				136.0	40.0	15.6	15.6		41.6				1242.0
30		Noble Parkway to Willow Street		1745.0	200.0				135.0		31.2			41.6				889.0
31		Willow Street to County Line		1372.0					76.0									533.0
32	River Road (Southwest)	At Kelsey Road		1980.0	508.0			120.0	38.0	31.2			41.6				1183.0	
33		South of Kazimour Drive		380.0													127.0	
34		south of Cayuga Trail		1688.0	268.0				159.0		15.6	15.6		41.6				928.0
35	North of Countryside Drive		2520.0	144.0				200.0		15.6			20.8				1148.0	

**LAKE COUNTY DIVISION OF TRANSPORTATION
2016 PAVEMENT MARKING REPLACEMENT - SCHEDULE of QUANTITIES**

LOCATION		LINES							LETTERS and SYMBOLS						Pavement Marking Removal (sq ft)			
Map #	County Road (County Quadrant)	At / Intersecting With	4" White (feet)	4" Yellow (feet)	6" White (feet)	8" White (feet)	12" White (feet)	12" Yellow (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	Straight Arrow (sq ft)	ONLY (sq ft)	STOP AHEAD (sq ft)		"R" (sq ft)	"X" (sq ft)	
HMA PAVEMENT - THERMOPLASTIC PAVEMENT MARKINGS																		
36	Kelsey Road (Southwest)	IL Route 59 to Shore Line Road		1164.0	480.0			64.0		38.0	46.8	31.2		104.0			950.0	
37		At Shoreline Road		1482.0					134.0									628.0
38		Fieldstone Court to Blue Aster Lane		2157.0	167.0				184.0			15.6		20.8				1023.0
39		Blue Aster Lane to River Road		2864.0	379.0				190.0	22.0	31.2			41.6				1451.0
40		River Road to Miller Road		1876.0				552.0	104.0	38.0	31.2	15.6		62.4				1467.0
41		Miller Road to Old Barrington Road		2200.0	280.0				305.0		15.6	15.6		41.6				1251.0
42		Old Barrington Road to Bridge		1188.0					42.0									438.0
43		At Forest Preserve Entrance							104.0									104.0
44		At Harbor Drive			314.0													157.0
45		At Arch Drive			356.0													178.0
46		At Main Street			335.0													168.0
47		At Gray Barn Lane			326.0													163.0
48		At Dublin Way			322.0													161.0
49		At IL Route 22 - north side		1617.0	141.0				31.0	32.0	15.6			20.8				741.0
50		At IL Route 22 - south side		1756.0	143.0				44.0	32.0	15.6			20.8				801.0
51	At Pepper Road - north side		1932.0	100.0				162.0			15.6		20.8				892.0	
52	At Pepper Road - south side		2014.0	198.0				144.0		15.6	15.6		41.6				987.0	
53	At US Route 14 - north side			256.0			46.0	68.0		31.2			41.6		14.4	54.0	383.0	
54	Hart Road (Southwest)	At US Route 14 - south side	207						98.0						28.8	108.0	402.0	
55		At Barrington Corp - Ctr Ent - No			176.0							15.6		20.8				124.0
56		At Barrington Corp - Ctr Ent - So			216.0			143.0				15.6		20.8				287.0
57		At Barrington High School		2232.0	192.0				181.0	24.0	15.6			20.8				1105.0
58	Barrington HS to Lake Cook Road		3056.0	963.0			152.0	284.0	50.0	31.2	78.0		145.6				2291.0	
59	Long Grove Road (Southwest)	West of Westpark PI - Westpark PI		1840.0				120.0	248.0	15.6			20.8				1018.0	
60		West Park Place to US Route 12		1960.0	1330.0						62.4	46.8		145.6				1573.0

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Map #	County Road (County Quadrant)	At / Intersecting With	4" White (feet)	4" Yellow (feet)	6" White (feet)	8" White (feet)	12" White (feet)	12" Yellow (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	Straight Arrow (sq ft)	ONLY (sq ft)	STOP AHEAD (sq ft)		"R" (sq ft)	"X" (sq ft)	
HMA PAVEMENT - THERMOPLASTIC PAVEMENT MARKINGS																		
61	Quentin Road (Southwest)	Glendale Road to Bible Church		1808.0				855.0			15.6		20.8				1494.0	
62		Bible Church to Old Barn Lane		1282.0	128.0				110.0		15.6			20.8				638.0
63		At Old Barn Lane - east side		160.0														53.0
64		At Highland Drive - north side		2144.0	96.0				200.0		15.6			20.8				999.0
65		Highland Drive to Ensell Road		3956.0	427.0				492.0	40.0	31.2	31.2		83.2				2250.0
66		At Ensell Road - south side		1104.0	400.0				100.0	40.0	15.6	15.6		41.6				821.0
67		At Lea Lane - north side		2136.0	285.0				183.0		15.6	15.6		41.6				1110.0
68		At Lea Lane - south side		1810.0	286.0				162.0		15.6	15.6		41.6				981.0
69		At Bristol Trail Road			392.0							15.6		20.8				232.0
70		At E Cuba Road - north side		2260.0	158.0			150.0	180.0	24.0	15.6			20.8				1247.0
71		E Cuba Rd to Pheasant Ridge Dr		2884.0	320.0			70.0	180.0	24.0		31.2		41.6				1492.0
72		Pheasant Ridge Dr to Cuba Rd		2914.0	320.0			90.0	200.0	36.0	15.6	15.6		41.6				1566.0
73		Cuba Road to Pine Lake Circle		4510.0	462.0			60.0	624.0	24.0	15.6	15.6		41.6				2539.0
74	Old McHenry Road (Southwest)	IL Route 53 to Fire House		1278.0	280.0			116.0	72.0	40.0	31.2		41.6				907.0	
75		Archer Rd - Robert Parker Coffin Rd						990.0		36.0								1062.0
76		North of Robert Parker Coffin Rd						420.0		12.0								444.0
77		Woods End Road to Forest Preserve		1776.0	130.0				120.0		15.6			20.8				813.0
78		Forest Preserve o IL Route 22		3148.0	260.0	410.0	102.0	380.0	36.0		31.2			41.6				2079.0
79		IL Route 22 to School Entrance		1784.0	1294.0	405.0	320.0		44.0		62.4	46.8		145.6				2174.0
80		School Entrance to Patricia Drive		5720.0	409.0				920.0		31.2	15.6		41.6				3120.0
81		Patricia Drive to Old Meadow Trail		6008.0	374.0				170.0		15.6	31.2		62.4				2469.0
82		At Kemper Lakes			440.0							15.6		20.8				256.0
83		At Darlington Drive			388.0							15.6		20.8				230.0
84		At Lagoon Drive			40.0			100.0				15.6		20.8				156.0
85		At Quentin Road - south side		1998.0	162.0				107.0	38.0	15.6			20.8				966.0
86		At Quenitn Road - north side		784.0				296.0		48.0	31.2	31.2		83.2				799.0
87		Railroad to Midlothian Road		3324.0	550.0				144.0	108.0	15.6	31.2		62.4		28.8	108.0	1989.0
88		Midlothian Road to Fairfield Road		898.0	708.0			80.0		108.0	31.2	31.2		104.0				1116.0
89		At Fairfield Road - west side		2332.0	365.0				136.0	48.0								1192.0
90	At Mulberry Drive			133.0							15.6		20.8				103.0	
91	At Echo Lake Road		3686.0	133.0				272.0		15.6			20.8				1604.0	
92	Echo Lake Road to Acorn Drive		1522.0	133.0				137.0		15.6			20.8				747.0	
93	Acorn Drive to Copperfield Drive		1684.0	112.0			96.0	300.0			15.6		20.8				1050.0	
94	At Copperfield Drive - west side		3226.0	154.0				262.0		15.6			20.8				1451.0	
95	At Abbey Glenn - east side		2330.0	361.0			736.0	196.0	38.0	31.2	15.6		62.4				2074.0	
96	At Abbey Glenn - west side		2090.0	368.0				184.0	38.0	15.6	15.6		41.6				1213.0	
97	At Rdewood Lane - east side		2100.0	560.0				184.0		15.6	15.6		41.6				1237.0	
98	At Rdewood Lane - west side		2110.0	560.0				183.0		15.6	15.6		41.6				1239.0	
99	At Bixtone Path			98.0							15.6		20.8				85.0	

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HMA PAVEMENT - THERMOPLASTIC PAVEMENT MARKINGS																		
100	Fairfield Road (Southwest)	South of IL Route 60		2212.0	136.0			182.0	31.0	15.6			20.8				1086.0	
101		At 30877 Fairfield Road			667.0			85.0				15.6		20.8				455.0
102		At Chardon Road			113.0			53.0										110.0
103		North of Gilmer Ramp		3094.0	152.0				102.0			15.6		20.8				1246.0
104		South of Gilmer Ramp		2756.0	250.0				105.0		31.2			41.6				1221.0
105		North of Gossell Road		2988.0	274.0			200.0	441.0	33.0	31.2			41.6				1913.0
106		At Gossell Road		200.0	100.0			190.0		26.0	15.6	15.6		41.6				431.0
107		Gossell Road to Bonner Road		5712.0	422.0				1120.0	54.0	31.2	15.6		62.4				3452.0
108		Bonner Road to Old Oak Drive		3100.0	200.0			150.0	302.0	24.0	31.2			41.6				1706.0
109		Ivanhoe Road to Barnswallow Lane		2736.0	278.0				60.0		31.2			41.6				1184.0
110		North of Open Parkway		2440.0	126.0				207.0		15.6			20.8				1120.0
111		Open Parkway to Lochanora Drive		2936.0	130.0				357.0			15.6		20.8				1437.0
112		Lochanora Drive to Park Entrance		2252.0	170.0				166.0		15.6			20.8				1038.0
113		South of Park Entrance		2616.0	172.0				366.0			15.6		20.8				1360.0
114		At Old Holmes Avenue		2656.0	447.0				272.0	44.0	46.8			62.4				1578.0
115	At Old McHenry Road			118.0							15.6		20.8				95.0	
116	Fremont Center Road (Southwest)	At Gilmer Road					1728.0		22.0								1772.0	
117		South of School Entrance		3020.0	146.0				414.0			15.6		20.8				1530.0
118		South of Signal		996.0	366.0			1728.0		40.0	46.8	46.8		104.0				2521.0
119		North of Signal		2760.0	388.0				254.0	40.0	15.6	15.6		41.6				1521.0
120	At IL Route 60								12.0								24.0	
121	Hawley Street (Southwest)	East of IL Route 176		112.0				5.0									42.0	
122		West of Gilmer Road		2228.0	160.0				95.0	29.0	15.6			20.8				1012.0
123		East of Gilmer Road		2322.0	416.0				116.0	42.0	15.6	15.6		41.6				1255.0
124		West of La Vista Drive		2426.0	102.0			310.0	270.0	15.0		15.6		20.8				1506.0
125		East of La Vista Drive		2224.0	102.0				200.0		15.6			20.8				1029.0
126		West of Chevy Chase Road		2254.0	192.0			700.0	142.0	71.0	15.6			20.8				1868.0
127		Chevy Chase Rd - Golf Course Ent		1112.0	194.0			230.0	60.0	34.0	15.6			20.8				862.0
128		Golf Course Ent - Golf Course Ent		1360.0	170.0				105.0		15.6			20.8				680.0
129		East of Golf Course Ent		2156.0	168.0				158.0		15.6			20.8				997.0
130		West of IL Route 60/83		2260.0	96.0				178.0	23.0	15.6			20.8				1062.0
131		East of IL Route 60/83 to Kings Way		1104.0	122.0			120.0	50.0	16.0	78.0			20.8				730.0
132		East of Kings Way		1028.0	198.0				112.0			15.6		20.8				590.0
133		West of Southport Road		1480.0	166.0				167.0			15.6		20.8				780.0
134		East of Southport Road		1122.0	432.0						31.2			41.6				663.0
135		Woodhaven Court to Atwater Drive		1520.0	608.0			310.0	178.0	48.0	15.6	46.8	14.0	83.2				1759.0
136		Atwater Drive to High School		554.0	608.0			370.0		27.0	62.4	15.6	14.0	104.0				1313.0
	High School to Midlothian Road		1500.0	498.0			200.0	178.0	36.0	15.6	31.2		62.4				1308.0	

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Map #	County Road (County Quadrant)	At / Intersecting With	4" White (feet)	4" Yellow (feet)	6" White (feet)	8" White (feet)	12" White (feet)	12" Yellow (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	Straight Arrow (sq ft)	ONLY (sq ft)	STOP AHEAD (sq ft)		"R" (sq ft)	"X" (sq ft)	
HMA PAVEMENT - THERMOPLASTIC PAVEMENT MARKINGS																		
138		IL Route 83 to Park Entrance		3190.0	370.0			135.0		46.8	15.6	1.0	62.4				1524.0	
139		At Park Entrance - north side		2056.0	90.0			170.0		15.6			20.8				937.0	
140		At Diamond Lake Road - south side		2200.0	198.0			240.0	32.0		15.6		20.8				1173.0	
141		At Diamond Lake Road - west side		2000.0	286.0			20.0	230.0	26.0	46.8		62.4				1221.0	
142		Farmwood Dr - North Krueger Rd		579.0	260.0						46.8		62.4				432.0	
143		North Krueger Rd - School Entrance		1372.0	168.0			240.0			15.6		20.8				818.0	
144		At School Entrance - north side		1972.0	248.0			120.0		15.6			20.8				938.0	
145		At Wildlife Way			450.0						15.6		20.8				261.0	
146		At Hawthorn Grove Dr - south side		2220.0	98.0			148.0		15.6			20.8				973.0	
147		At Hawthorn Grove Dr - west side		1124.0				90.0									465.0	
148		At Darlington Drive			398.0						15.6		20.8				235.0	
149		At Cambridge Drive			100.0						15.6		20.8				86.0	
150		Indian Creek Rd - to EJE Railroad			466.0				34.0						7.2	54.0	362.0	
151		EJE Railroad - Commercial Drive							34.0						7.2	54.0	129.0	
152		At Midlothian Road - south side		2056.0	334.0			156.0	40.0	15.6	15.6		41.6				1161.0	
153		Midlothian Road - Strip Mall Entrance		1664.0	418.0			170.0		15.6	31.2		62.4				1043.0	
154		Strip Mall Entrance - Sylvian Lake Dr		1368.0	152.0			148.0		15.6			20.8				716.0	
155		Sylvian Lake Dr - W Crescent Dr		712.0	268.0					31.2			41.6				444.0	
156		At Crescent Drive - north side		2472.0	320.0			350.0		15.6	15.6		41.6				1407.0	
157	Gilmer Road (Southwest)	South of Middleton Parkway		1630.0	158.0			240.0			15.6		20.8				899.0	
158		Middleton Pkwy - Schwermann Rd		2898.0	522.0			160.0	220.0	24.0	15.6			20.8				1691.0
159		At Schwermann Rd - north side		2588.0	142.0			165.0	24.0			15.6		20.8				1183.0
160		At Championship Pkwy - south side		2152.0	128.0			150.0			15.6			20.8				968.0
161		At Championship Pkwy - north side		2600.0	132.0			355.0				15.6		20.8				1324.0
162		Owen Road - Regan Lane		1596.0	145.0			71.0			15.6			20.8				712.0
163		Regan Lane to Hawley Street		1196.0	262.0			190.0	104.0	24.0	15.6	15.6		41.6				944.0
164		Hawley Street to IL Route 176		5080.0	402.0			204.0	72.0		31.2			41.6				2315.0
165		IL Route 176 to Fremont Center Rd		2786.0	464.0			87.0	74.0		31.2	31.2		83.2				1541.0
166		At Fremont Center Rd - west side			197.0			136.0	24.0		15.6			20.8				319.0
167		At Erhart Road			327.0													164.0
168		At Hafer Road			158.0						15.6			20.8				115.0
169		At Fairfield Road - east side		2488.0	146.0			289.0				15.6		20.8				1228.0
170		Gilmer Rd - Fairfield Rd Connector		986.0	459.0					53.0	62.4	62.4		166.4				955.0
171	Connector to Sedgebrook Drive		4530.0	378.0			360.0			31.2	15.6		62.4				2168.0	
172	At Sedgebrook Dr - west side		2708.0	143.0			155.0			15.6			20.8				1166.0	
173	At Liberty Lakes Blvd - east side		2630.0	341.0			196.0	36.0		15.6	15.6		41.6				1388.0	
174	At Liberty Lakes Blvd - west side		2620.0	342.0			576.0	198.0	36.0	15.6	15.6		41.6				1963.0	
175	At Callahan Road			261.0													131.0	
176	At Fish Lake Road			249.0													125.0	

**LAKE COUNTY DIVISION OF TRANSPORTATION
2016 PAVEMENT MARKING REPLACEMENT - SCHEDULE of QUANTITIES**

LOCATION		LINES							LETTERS and SYMBOLS						Pavement Marking Removal (sq ft)			
Map #	County Road (County Quadrant)	At / Intersecting With	4" White (feet)	4" Yellow (feet)	6" White (feet)	8" White (feet)	12" White (feet)	12" Yellow (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	Straight Arrow (sq ft)	ONLY (sq ft)	STOP AHEAD (sq ft)		"R" (sq ft)	"X" (sq ft)	
HMA PAVEMENT - THERMOPLASTIC PAVEMENT MARKINGS																		
177	Diamond Lake Road (Southwest)	At Gilmer Road			123.0			132.0	29.0	15.6	15.6		41.6				324.0	
178		At Saddle Ridge Lane			100.0							15.6		20.8				86.0
179		At Windham Lane			100.0							15.6		20.8				86.0
180		At Wildspring Lane			124.0							15.6		20.8				98.0
181		North of Wildspring Lane			684.0							15.6		20.8				378.0
182		At Indian Creek Road			100.0							15.6						66.0
183		South of Eagle Drive			2752.0				229.0		46.8	46.8		41.6				1282.0
184		Eagle Drive to IL Route 60/83			2412.0	436.0			201.0	42.0	15.6	62.4		104.0				1489.0
SUBTOTAL - SOUTHWEST			207.0	295,057.0	44,693.0	815.0	12,408.0	27,190.0	2,660.0	2,620.8	1,887.6	29.0	5,803.2		86.4	378.0	177,453.0	

185	St Mary's Road (Southeast)	At Rockland Road							24.0								48.0
186	Buffalo Grove Road (Southeast)	At Dunstan Lane									15.6		20.8				
187		At Butternut Drive - south side									15.6		20.8				
188		At Butternut Drive - north side									15.6		20.8				
189		At Port Clinton Road									15.6		20.8				
190		At Whispering Oaks Drive									15.6		20.8				
191	Washington Street (Northeast)	At IL Route 21 - north side (10 ft)					450.0										450.0
192		At IL Route 21 - east side (6 ft)					212.0										212.0
193	Delany Road (Northeast)	At 21st Street												54.8			
194	Dilleys Road (Northeast)	At Wadsworth Road												54.8			
195	Kenosha Rd (Northeast)	At Green Bay Road (IL 131)												54.8			
196	Fairfield Rd (Northwest)	At Monaville Road												219.2			
SUBTOTAL - Miscellaneous Locations			0.0	0.0	0.0	0.0	662.0	0.0	24.0	0.0	78.0	0.0	104.0	383.6	0.0	0.0	710.0
SUBTOTAL SOUTHWEST			207.0	295,057.0	44,693.0	815.0	12,408.0	27,190.0	2,660.0	2,620.8	1,887.6	29.0	5,803.2	0.0	86.4	378.0	177,453.0
TOTAL			207.0	295,057.0	44,693.0	815.0	13,070.0	27,190.0	2,684.0	2,620.8	1,965.6	29.0	5,907.2	383.6	86.4	378.0	178,163.0
			295,264.0				40260.0					11370.6					

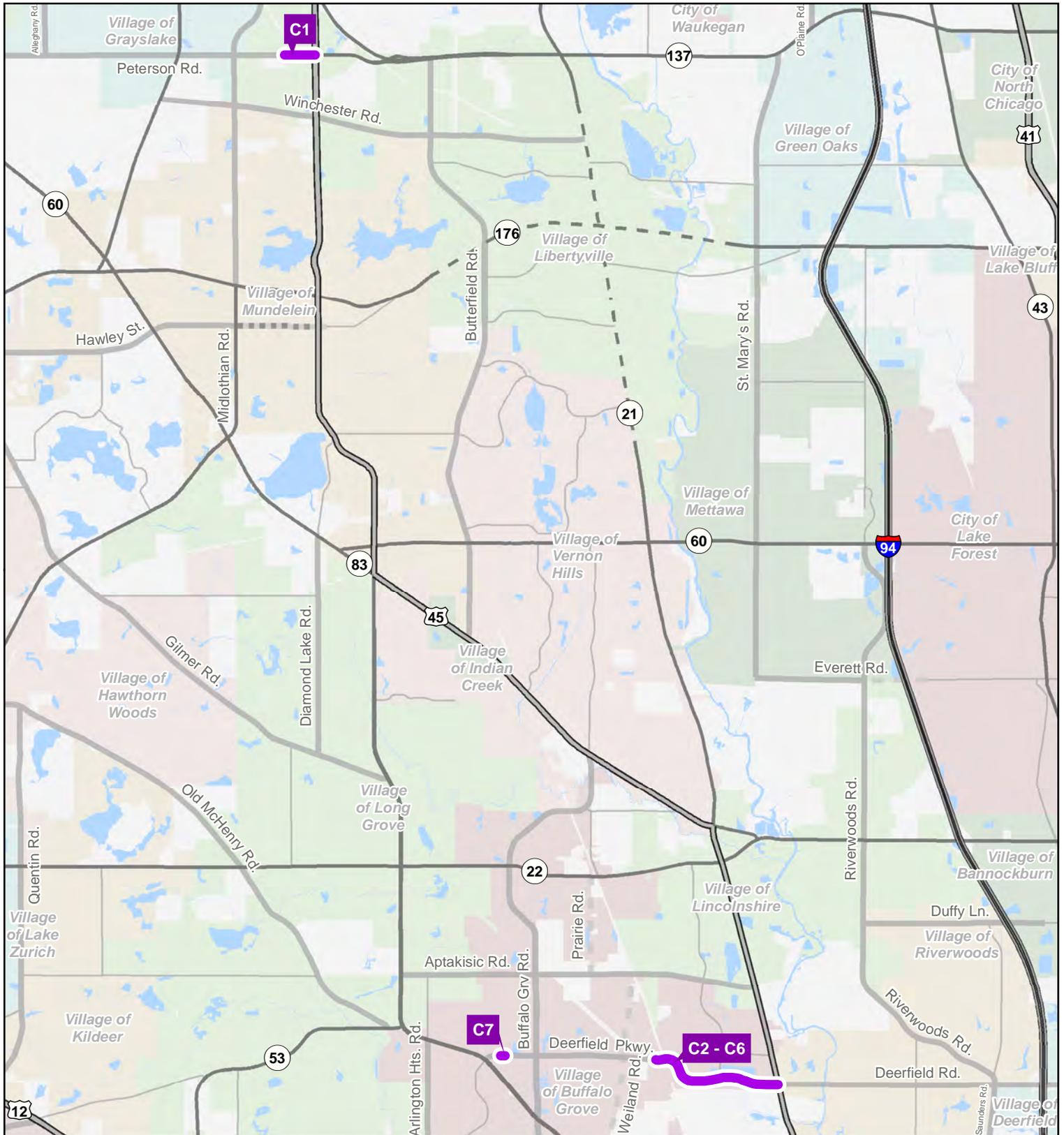
**LAKE COUNTY DIVISION OF TRANSPORTATION
2016 PAVEMENT MARKING REPLACEMENT - SCHEDULE of QUANTITIES**

LOCATION			LINES								Pavement Marking Removal (sq ft)
Map #	County Road (County Quadrant)	At / Intersecting With	4" White (feet)	8" White (feet)	12" White (feet)	LANE (sq ft)	Arrow (sq ft)	Bike Rider* (sq ft)	Merge Arrows (sq ft)	Yield Line Triangles Removal (sq ft)	
BIKE LANES, YIELD LINES & MERGE ARROWS											
BL1/2	Long Grove Road (Southwest)	West of Westpark Place to Westpark Place		850.0		18.0	9.0	9.2			603.0
S1	Old McHenry Road (Southeast)	At Quentin Road - East Side							83.0		83.0
S2		At Fairfield Road - west side							41.5		42.0
R1	Hawley Street (Southwest)	Woodhaven Court to Atwater Drive								42.0	42.0
R2		Atwater Drive to High School								42.0	42.0
SUBTOTAL - SOUTHWEST			0.0	850.0	0.0	18.0	9.0	9.2	124.5	84.0	812.0

* Preformed Thermoplastic

27.0

LCDOT Polyurea Pavement Marking Replacement



0 0.5 1 2 Miles



 Polyurea Pavement Marking Replacement


N
LCDOT GIS
4/27/2016

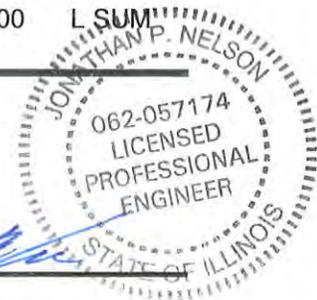
**LAKE COUNTY DIVISION OF TRANSPORTATION
2016 PAVEMENT MARKING REPLACEMENT - SCHEDULE of QUANTITIES**

LOCATION							LETTERS and SYMBOLS					Pavement Marking Removal (sq ft)
Map #	County Road (County Quadrant)	At / Intersecting With	6" White (feet)	8" White (feet)	12" White (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	ONLY (sq ft)	"R" (sq ft)	"X" (sq ft)	
CONCRETE PAVEMENT - POLYUREA PAVEMENT MARKINGS												
C1	Peterson Rd	US 45 to Franklin Boulevard	1462.0	8.0		180.0	109.2	31.2	187.2	57.6	216.0	1698.0
C2	Deerfield Parkway	At IL Route 21/US Route 45			224.0							224.0
C3		At Barclay Boulevard - west side			240.0							240.0
C4		West of Bush Parkway				48.0				28.8	108.0	233.0
C5		At Commerce Court - east side			400.0	48.0				28.8	108.0	633.0
C6		West of Commerce Court				48.0				28.8	108.0	233.0
C7		At Green Knolls Drive - east side			216.0							216.0
SUBTOTAL - CONCRETE PAVEMENT MARKINGS			1462.0	8.0	1080.0	324.0	109.2	31.2	187.2	144.0	540.0	3477.0
Quantities to replace markings on the 2015 LCDOT Concrete Patching Contract												
TOTAL			1,462.0	8.0	1,080.0	324.0	109.2	31.2	187.2	144.0	540.0	3,477.0

1011.6

SUMMARY OF QUANTITIES - LAKE COUNTY DIVISION OF TRANSPORTATION

Pay Code	Description	Quantity	Unit
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	11,397.60	SQ FT
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	295,264.00	FOOT
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	44,693.00	FOOT
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	1,665.00	FOOT
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	40,260.00	FOOT
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	2,684.00	FOOT
78004100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE C - LETTERS AND SYMBOLS	9.20	SQ FT
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	1,011.60	SQ FT
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	1,462.00	FOOT
78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	8.00	FOOT
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	1,080.00	FOOT
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	324.00	FOOT
78300100	PAVEMENT MARKING REMOVAL	182,452.00	SQ FT
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	1.00	L SUM



Jonathan P. Nelson
 Signature

4/22/16
 Date

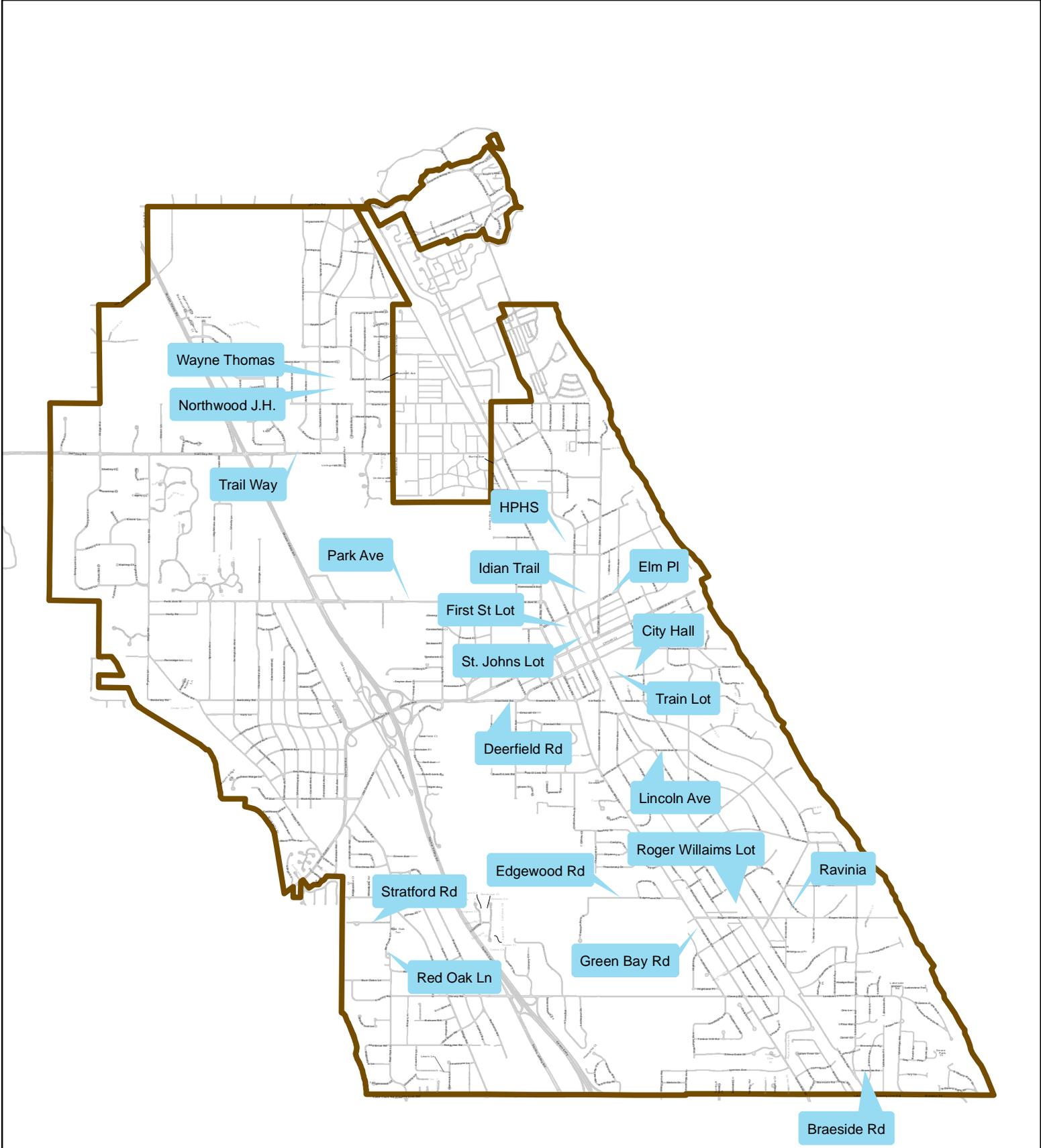
062-057174
 Illinois license

11/30/17
 Expiration Date

Civil Engineering
 Field



Street Striping Overview 2016



**CITY OF HIGHLAND PARK
2016 PAVEMENT MARKING REPLACEMENT - SCHEDULE of QUANTITIES**

LOCATION	LINES					LETTERS and SYMBOLS				Pavement Marking Removal (sq ft)
	4" White (feet)	4" Yellow (feet)	6" White (feet)	12" White (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	ONLY (sq ft)	Handicap Parking* (sq ft)	
HMA PAVEMENT - THERMOPLASTIC PAVEMENT MARKINGS										
Various City of Highland Park Streets & Parking Lots	5000	20000.0	2000.0	2000.0	2000.0	156.0	156.0	416.0	166.5	16228.0
TOTAL - HMA PAVEMENT MARKINGS	5,000.0	20,000.0	2,000.0	2,000.0	2,000.0	156.0	156.0	416.0	166.5	16,228.0
	25,000.0					728.0				

*Preformed Plastic Pavement Marking

CONCRETE PAVEMENT - POLYUREA PAVEMENT MARKINGS										
Various City of Highland Park Streets & Parking Lots	2000	8000.0	1000.0	2000.0	1000.0	124.8	109.2	312.0	0.0	8379.0
TOTAL - HMA PAVEMENT MARKINGS	2,000.0	8,000.0	1,000.0	2,000.0	1,000.0	124.8	109.2	312.0	0.0	8,379.0
	10,000.0					546.0				

SUMMARY OF QUANTITIES - CITY OF HIGHLAND PARK

Pay Code	Description	Quantity	Unit
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	728.0	SQ FT
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	25,000.0	FOOT
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	2,000.0	FOOT
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	2,000.0	FOOT
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	2,000.0	FOOT
78004100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE C - LETTERS AND SYMBOLS	166.50	SQ FT
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	546.00	SQ FT
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	10,000.00	FOOT
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	1,000.00	FOOT
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	2,000.00	FOOT
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	1,000.00	FOOT
78300100	PAVEMENT MARKING REMOVAL	24,607.00	SQ FT
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	L SUM



Richard D. McMorris
 Signature

22 April 2016
 Date

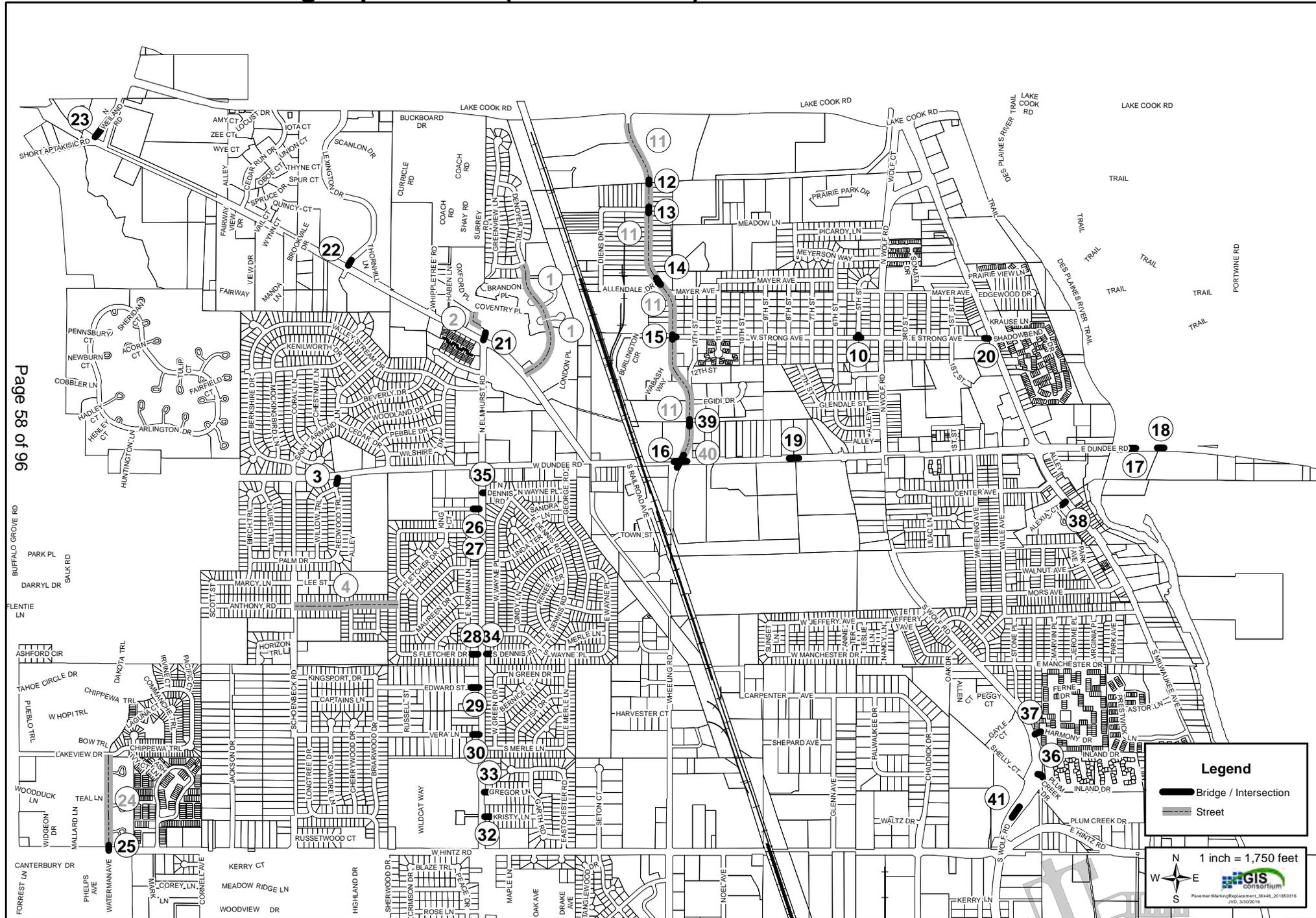
062-055379
 Illinois license

11/30/17
 Expiration Date

Civil Engineering
 Field

Village of Wheeling

2016 Pavement Marking Replacement (N. of Hintz Rd)



Legend

- Bridge / Intersection
- Street

N 1 inch = 1,750 feet
W E
S

GIS Consortium
Pavement Marking Replacement, 2016 v48_201605216
A02_03/20/16

Village of Wheeling



2016 Pavement Marking Replacement (S. of Hintz Rd)



VILLAGE OF WHEELING 2016 PAVEMENT MARKING REPLACEMENT - SCHEDULE of QUANTITIES

LOCATION			LINES					LETTERS and SYMBOLS					Pavement Marking Removal (sq ft)		
Map #	Road	At / Intersecting With	4" Yellow (feet)	6" White (feet)	12" White (feet)	12" Yellow (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	Combo Arrow (sq ft)	ONLY (sq ft)	"R" (sq ft)		"X" (sq ft)	
HMA PAVEMENT - THERMOPLASTIC PAVEMENT MARKINGS															
1	Denoyer Trail	McHenry to Waverly	370.0											123.0	
2	Chelsea Dr.	at Chelsea					24							48.0	
3	Redwood/ Willow	at Dundee		72.0			14.0							64.0	
4	Anthony Dr.	Fletcher to Schoenbeck	340.0											113.0	
5	Pleasant Run	at median				73.0								73.0	
6	Equestrian	Wheeling Road to Rt 83	610.0											203.0	
7	Willow Road	at Foster					21.0							42.0	
8	Willow Road	at Rail Road tracks					123.0					14.4	54.0	314.0	
9	Willow Road	at Potomic					12.0							24.0	
10	W. Strong	at 5th Street	86.0											29.0	
11	Northgate / Lake Cook Median	to bridge deck	11608.0	275.0		1903.0			46.8		41.6			5998.0	
12	Northgate	at North Station		84.0										42.0	
13	Northgate	at Quail Hollow		134.0			17.0							101.0	
14	Northgate	at Allendale		110.0			18.0							91.0	
15	Northgate	at W. Strong		198.0										99.0	
16	Dundee	at Northgate		621.0			175.0							661.0	
17	Dundee Rd.	at Potawatomi Woods		80.0	133.0		14.0							201.0	
18	Dundee Rd.	at Damn #1		70.0	111.0		12.0							170.0	
19	Dundee Rd.	at WPD/WFD exit		720.0	42.0									402.0	
TOTAL - HMA PAVEMENT MARKINGS			13,014.0	2,364.0	286.0	1,976.0	430.0	0.0	46.8	0.0	41.6	14.4	54.0	8,799.0	
					2262.0							156.8			

VILLAGE OF WHEELING
2016 PAVEMENT MARKING REPLACEMENT - SCHEDULE of QUANTITIES

LOCATION			LINES					LETTERS and SYMBOLS					Pavement Marking Removal (sq ft)	
Map #	Road	At / Intersecting With	4" Yellow (feet)	6" White (feet)	12" White (feet)	12" Yellow (feet)	24" White (feet)	Left Arrow (sq ft)	Right Arrow (sq ft)	Combo Arrow (sq ft)	ONLY (sq ft)	"R" (sq ft)		"X" (sq ft)
CONCRETE PAVEMENT - POLYUREA PAVEMENT MARKINGS														
20	Strong Ave.	at Milwaukee	118.0	189.0			29.0							192.0
21	Chelsea	at Route 83	178	35				15.6		26				118.0
22	Lexington Dr.	at Route 83		91			25							96.0
23	Weiland	at Route 83					25.0		15.6		20.8			86.0
24	Lakeview Dr.	Hintz Rd to Chippewa Trail	310.0				18.0							139.0
25	Lakeview	at Hintz Rd.		78.0			16.0							71.0
26	Rt 83	at Jenkins		82.0			15.0							71.0
27	Rt 83	at N. Norman		82.0			15.0							71.0
28	Rt 83	at S. Fletcher		87.0			17.0							78.0
29	Rt 83	at Edwards		88.0			16.0							76.0
30	Rt 83	at Vera		93.0										47.0
31	Rt 83	at Pleasant Run		82.0			16.0							73.0
32	Rt 83	at Kristy		83.0										42.0
33	Rt 83	at Gregor		82.0			16.0							73.0
34	Rt 83	at S. Dennis		84.0			16.0							74.0
35	Rt 83	at N. Dennis		95.0			20.0							88.0
36	Wolf Rd.	at Hunt Club	10.0	129.0			25.0							118.0
37	Wolf Rd.	at Harmony		80.0			14.0							68.0
38	Milwaukee Ave.	at Alexia		253.0	32.0									159.0
39	Northgate	at bridge deck	258.0	592.0	13.0			31.2	31.2		83.2			541.0
40	Northgate	N of Dundee to Bridge	920.0	149.0			27.0							435.0
41	Wolf Rd.	at Segradalh	44.0											15.0
TOTAL - CONCRETE PAVEMENT MARKINGS			1838.0	2454.0	45.0	0.0	310.0	46.8	46.8	26.0	104.0	0.0	0.0	2731.0
					45.0		223.6							

SUMMARY OF QUANTITIES - VILLAGE OF WHEELING

Pay Code	Description	Quantity	Unit
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	156.8	SQ FT
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	13,014.0	FOOT
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	2,364.0	FOOT
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	2,262.0	FOOT
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	430.0	FOOT
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS	223.6	SQ FT
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	2,454.0	FOOT
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	45.0	FOOT
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	310.0	FOOT
78300100	PAVEMENT MARKING REMOVAL	11,530.0	SQ FT
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	L SUM



Richard D. McMorris

Signature

22 April 2016

Date

062-055379

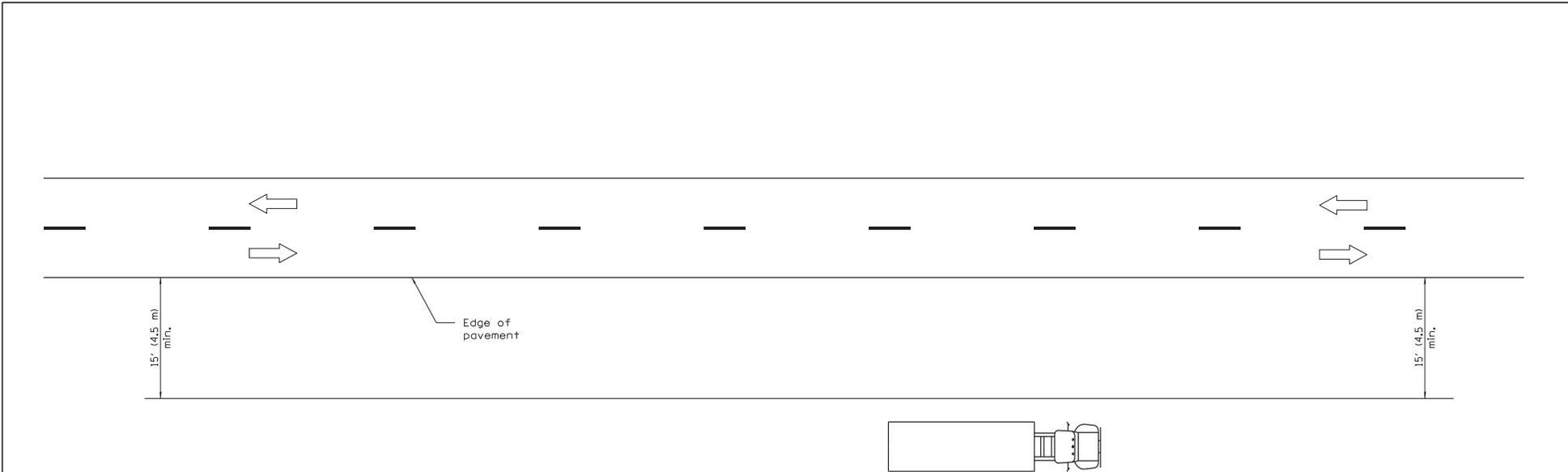
Illinois license

11/30/17

Expiration Date

Civil Engineering

Field



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Fencing contracts and maintenance
- Cleaning culverts

GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701006.

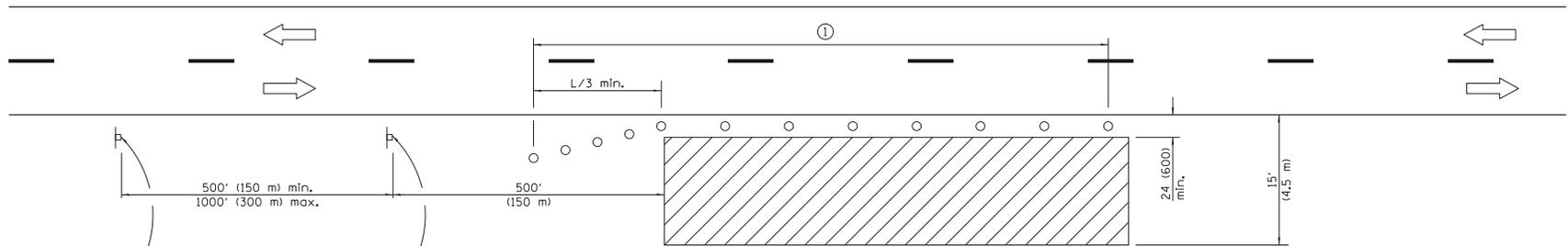
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-05	Revised title and notes.

**OFF-RD OPERATIONS,
2L, 2W, MORE THAN
15' (4.5 m) AWAY**

STANDARD 701001-02

Illinois Department of Transportation	
APPROVED <u>January 1, 2009</u> ENGINEER OF OPERATIONS	ISSUED 1-1-197
APPROVED <u>January 1, 2009</u> ENGINEER OF DESIGN AND ENVIRONMENT	



For contract construction projects

 W20-1103(O)-48


 W21-110-48

For maintenance and utility projects

 W20-110-48

TYPICAL APPLICATIONS

- Utility operations
- Culvert extensions
- Side slope changes
- Guardrail installation and maintenance
- Delineator installation
- Landscaping operations
- Shoulder repair
- Sign installation and maintenance

SYMBOLS

-  Work area
-  Sign
-  Cone, drum or barricade

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24' (600) from the edge of pavement.

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.

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

**OFF-RD OPERATIONS, 2L, 2W,
 15' (4.5 m) TO 24" (600 mm)
 FROM PAVEMENT EDGE**

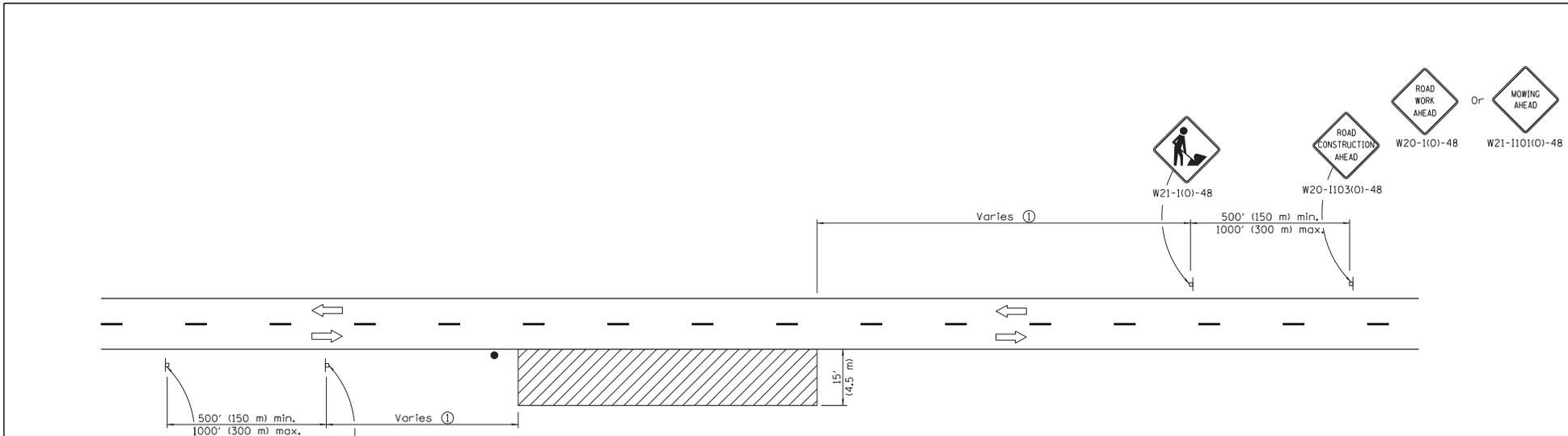
STANDARD 701006-05

Illinois Department of Transportation

APPROVED January 1, 2014
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-197



TYPICAL APPLICATIONS
Shoulder work
Utility operations

For contract construction projects
 W20-1103(0)-48
 W21-1101(0)-48

For maintenance and utility projects
 W20-1101(0)-48 Or
 W21-1101(0)-48

SYMBOLS

- Work area
- Sign
- Flagger with traffic control sign when required

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the shoulder, where the average speed is 1 mph (2 km/h) or less.

When the work operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

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

① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed 1/2 the length required for one normal working day's operation, or 4 miles (6.4 km) whichever is less.

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY

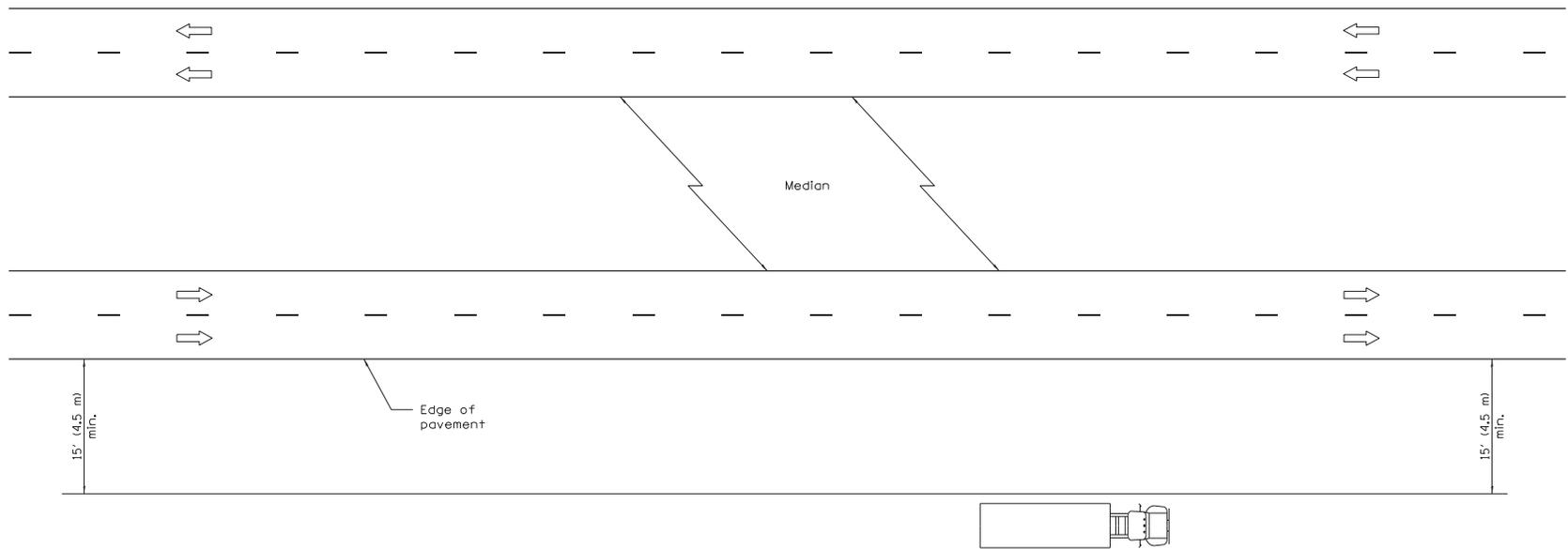
STANDARD 701011-04

Illinois Department of Transportation

APPROVED January 1, 2014
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-14 487



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Fencing contracts

GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701101.

This Standard also applies to work performed in the median more than 15' (4.5 m) from either pavement.

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

DATE	REVISIONS
1-1-05	Switched units to English (metric).
1-1-05	Revised title.

**OFF-RD OPERATIONS, MULTILANE,
MORE THAN 15' (4.5 m) AWAY**

STANDARD 701106-02

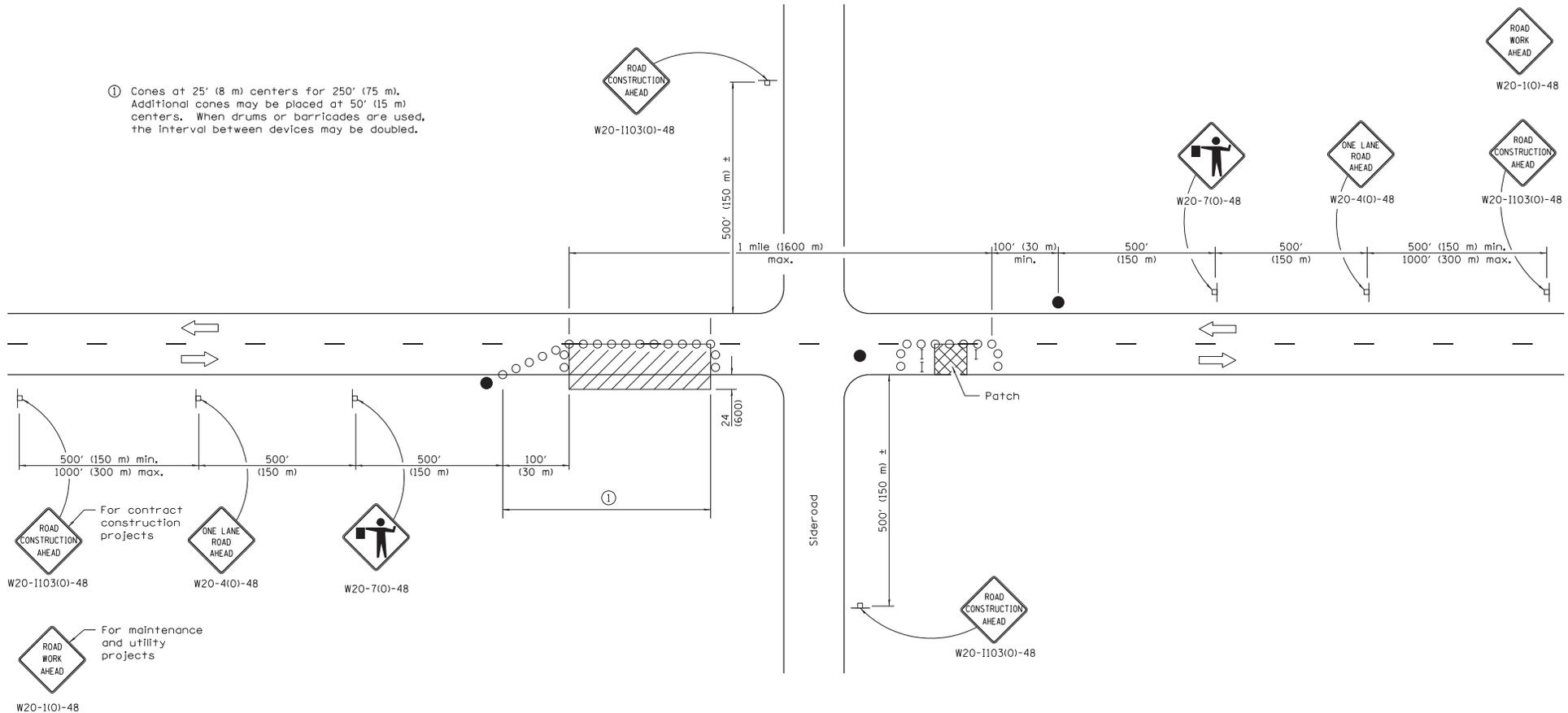
Illinois Department of Transportation

APPROVED January 1, 2009
ENGINEER OF OPERATIONS

APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-09

① Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or barricades are used, the interval between devices may be doubled.



For contract construction projects
 ROAD CONSTRUCTION AHEAD (W20-1103(O)-48)
 ONE LANE ROAD AHEAD (W20-4(O)-48)
 ROAD WORK AHEAD (W20-1(O)-48)

For maintenance and utility projects
 ROAD WORK AHEAD (W20-1(O)-48)

TYPICAL APPLICATIONS
 Isolated patching
 Utility operations
 Storm sewer
 Culverts
 Cable placement

SYMBOLS

- Work area
- Sign
- Barricade or drum
- Cone, drum or barricade
- Flagger with traffic control sign

GENERAL NOTES

This Standard is used where at any time, any vehicles, equipment, workers or their activities will encroach in the area between the center line and a line 24 (600) outside the edge of pavement for daylight operation.

When the distance between successive work areas exceeds 2000' (600 m), additional warning signs, flaggers, and taper shall be placed as shown.

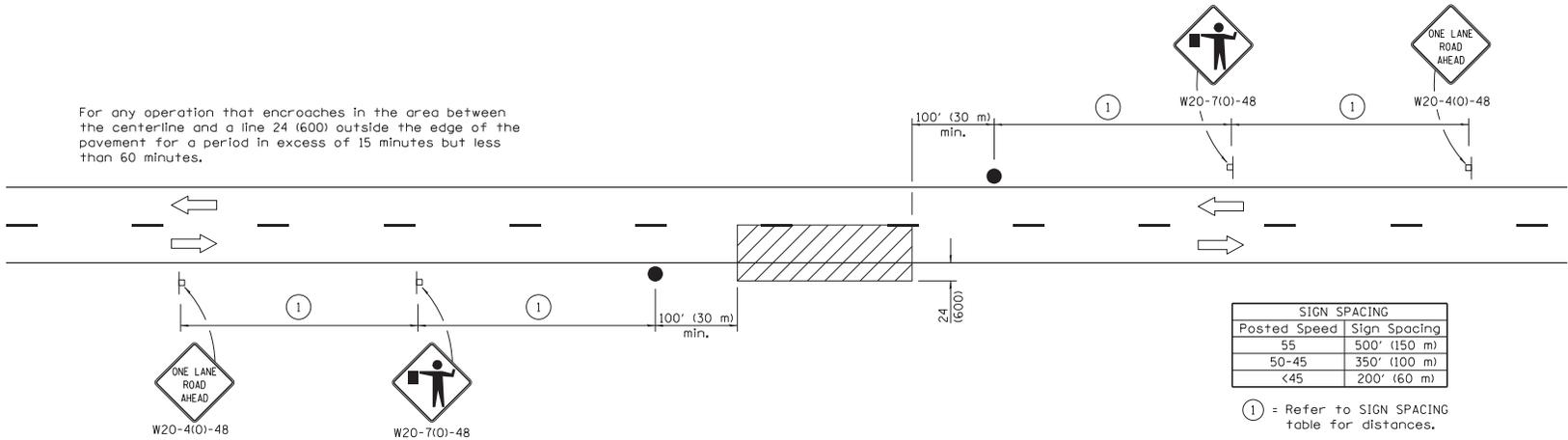
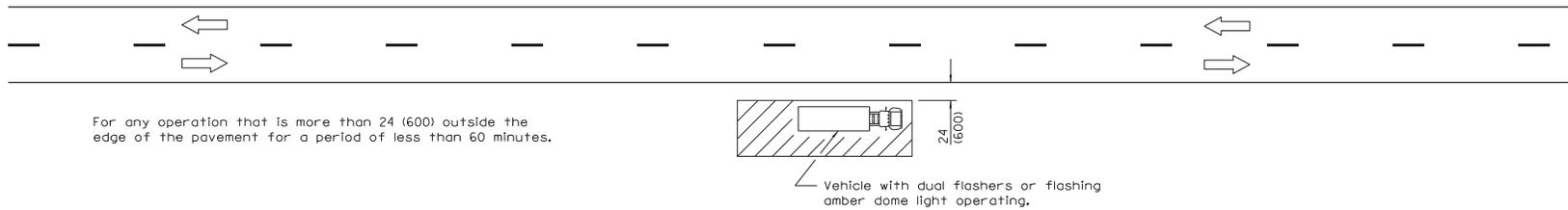
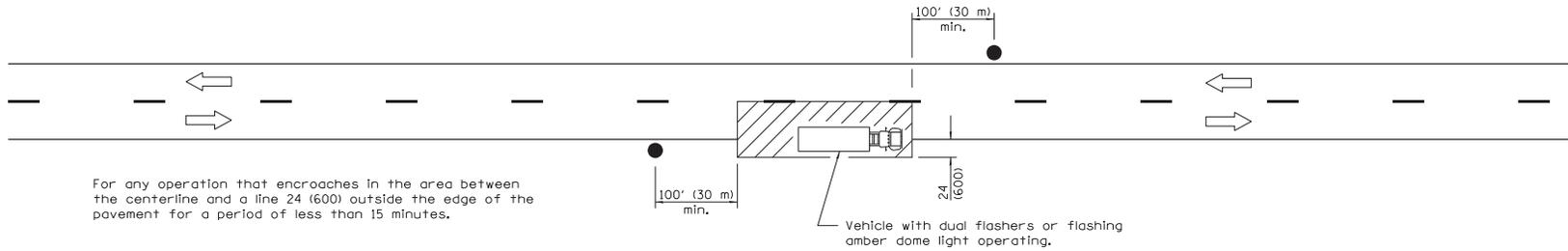
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation	
APPROVED January 1, 2011 ENGINEER OF SAFETY ENGINEERING	ISSUED 48-1-1-1-17
APPROVED January 1, 2011 ENGINEER OF DESIGN AND ENVIRONMENT	

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

**LANE CLOSURE, 2L, 2W,
 DAY ONLY,
 FOR SPEEDS ≥ 45 MPH**

STANDARD 701201-04



TYPICAL APPLICATIONS

- Marking patches
- Field survey
- String line
- Utility operations
- Cleaning up debris on pavement

SYMBOLS

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

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

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

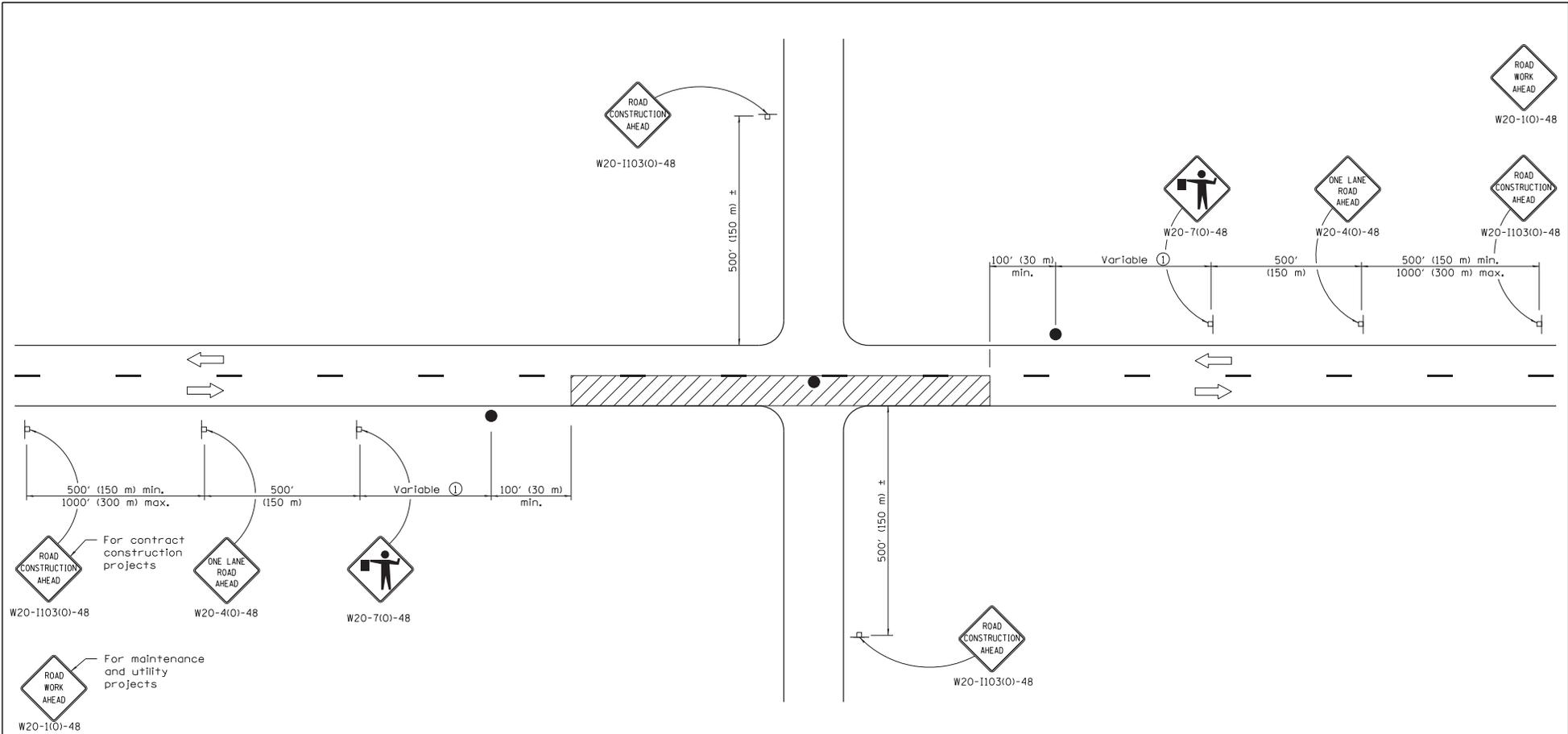
STANDARD 701301-04

Illinois Department of Transportation

APPROVED January 1, 2011
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

1581555
 46-1-1 03/08



TYPICAL APPLICATIONS

- Bituminous resurfacing
- Milling operations
- Utility operations
- Shoulder operations

For maintenance and utility projects

For contract construction projects

SYMBOLS

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed 1/2 the length required for one normal working day's operation or 2 miles (3200 m), whichever is less.

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an Intermittent or continuous moving operation on the pavement where the average speed of movement is greater than 1 mph (2 km/h) and less than 4 mph (6 km/h).

When the operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

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

Illinois Department of Transportation

APPROVED January 1, 2011
 ENGINEER OF SAFETY ENGINEERING

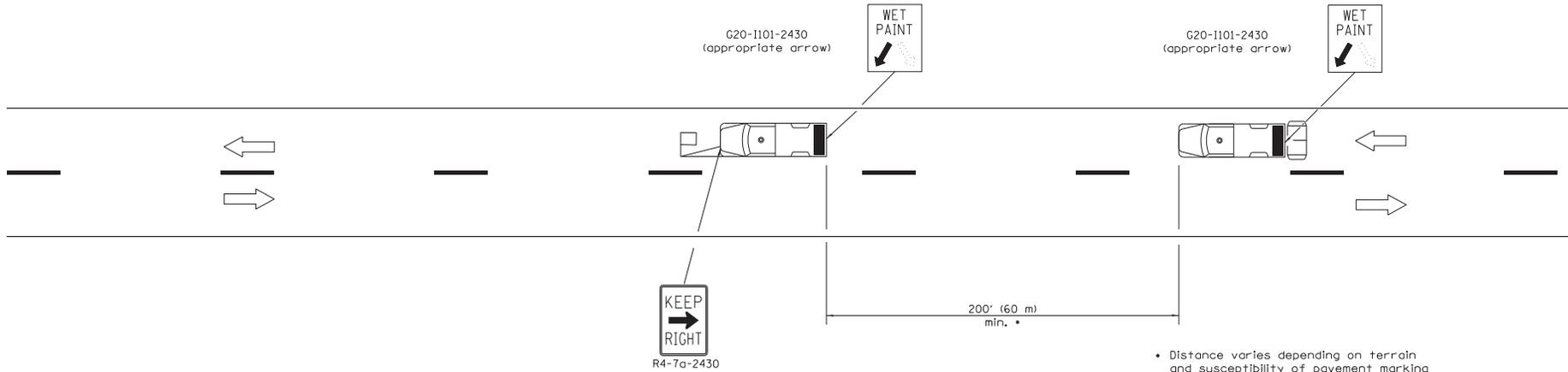
APPROVED January 1, 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

1518160
 48-1-1

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

LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH

STANDARD 701306-03



• Distance varies depending on terrain and susceptibility of pavement marking or crack sealant to wheel tracking.

TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Pavement marking
- Weed spraying
- Roadmeter measurements
- Debris cleanup
- Crack pouring

SYMBOLS

-  Arrow board (Hazard Mode only)
-  Truck with headlights, emergency flashers and flashing amber light. (visible from all directions)
-  18x18 (450x450) min. orange flag (use when guide wheel is used)
-  Truck mounted attenuator

GENERAL NOTES

This Standard is used where any vehicle, equipment, workers or their activities will require a continuous moving operation where the average speed is greater than 3 mph (5 km/h).

For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701426.

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

DATE	REVISIONS
1-1-09	Switched units to English (metric). Omitted Pass With Care sign.
1-1-00	Elim. speed restrictions in Standard title.

LANE CLOSURE 2L, 2W MOVING OPERATIONS—DAY ONLY

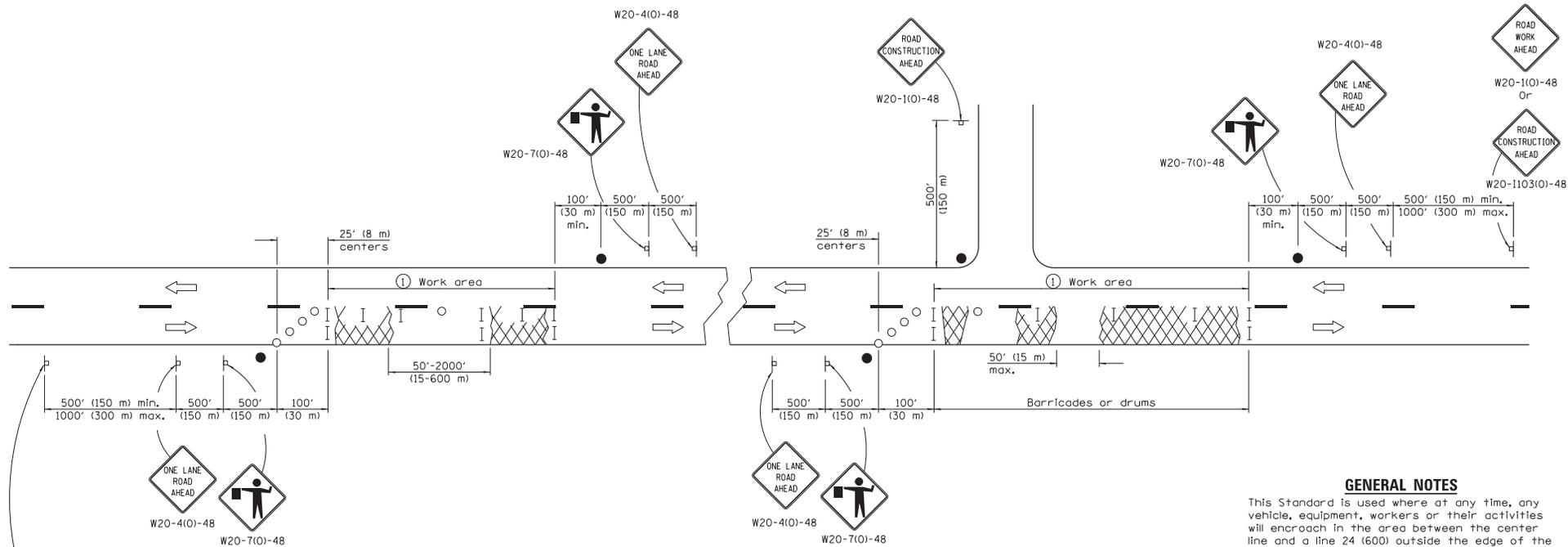
STANDARD 701311-03

Illinois Department of Transportation

APPROVED January 1, 2009
ENGINEER OF OPERATIONS

APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



For contract construction projects
 ROAD CONSTRUCTION AHEAD
 W20-1(0)-48 Or W20-1103(0)-48

For maintenance and utility projects
 ROAD WORK AHEAD
 W20-1(0)-48

① 1/2 mile (800 m) maximum

SYMBOLS

- ▨ Patches
- ⌋ Sign
- Flagger with traffic control sign
- I Barricade or drum
- Cone, barricade or drum

TYPICAL APPLICATIONS
 Patching

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach in the area between the center line and a line 24 (600) outside the edge of the pavement.

Two flaggers shall be required for each separate lane closure. The flagger shall be a minimum of 200' (60 m) and a maximum of 1/2 day's operation beyond the flagger sign. When the distance between successive patches exceeds 2000' (600 m), additional flaggers, warning signs, and tapers shall be placed as shown.

Barricades/drums shall be placed at intervals not greater than 100' (30 m) or cones shall be placed at intervals not greater than 50' (15 m) centers throughout the work zone. When the spacing between open holes is greater than 50' (15 m), two barricades/drums shall be placed in front of each open hole and one on the backside close to the centerline. When the open hole is greater than 10' (3 m) parallel to the centerline, one barricade/drum shall be placed in each hole. For large holes, barricades/drums shall be placed at 50' (16 m) centers.

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

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

LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH

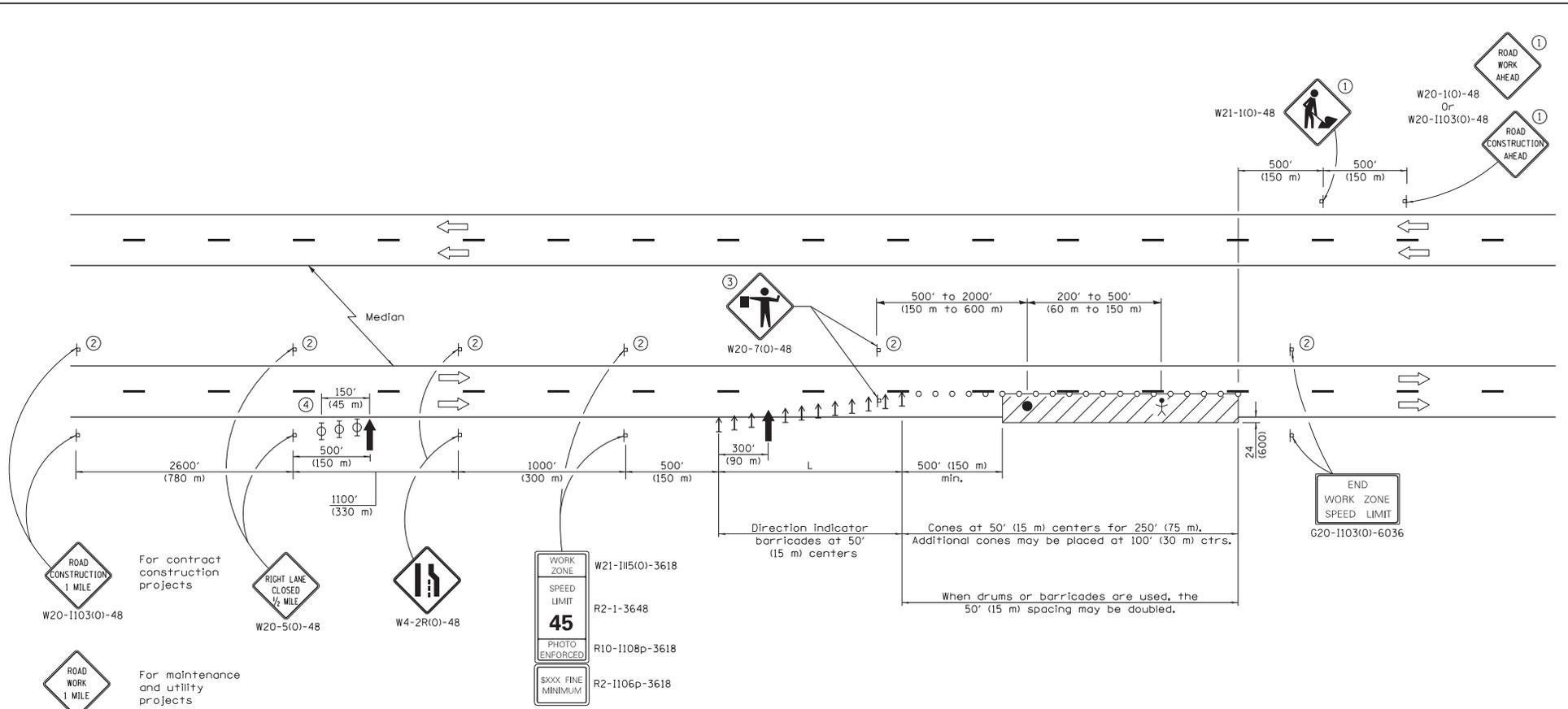
STANDARD 701336-06

Illinois Department of Transportation

APPROVED January 1, 2011
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



TYPICAL APPLICATIONS
 Pavement patch
 Utility operations
 Bituminous resurfacing

L = lane width X taper ratio

Normal Posted Speed	Taper Ratio
55	55/1
45	45/1

SYMBOLS

- ↑ Arrow board
- ▨ Work area
- ⊢ Sign
- ↑ Direction Indicator barricade
- Cone, drum or barricade
- Flagger with traffic control sign
- ⚠ Worker
- ⊕ Type II barricade, drum, or vertical barricade with monodirectional flashing light

- ① Undivided roadway only with left lane closure in opposite direction.
- ② Omitted when median is less than 10' (3 m).
- ③ FLAGGER signs shall be moved as necessary to maintain the required spacing between the sign and each separate work activity.
- ④ Three Type II barricades, drums, or vertical barricades at 50' (15 m) centers.

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach on the lane adjacent to the shoulder, or on the shoulder within 24 (600) of the edge of pavement.

This Standard also applies when work is being performed in the left lane. Under these conditions, LEFT LANE CLOSED signs shall be substituted for RIGHT LANE CLOSED signs. On undivided highways, signs shall be added in the opposite direction as shown.

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

DATE	REVISIONS
1-1-15	Revised END WORK ZONE SPEED LIMIT sign dimensions.
1-1-14	Revised workers sign number to agree with current MUTCD. Rev. PHOTO ENFORCED sign no.

LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH

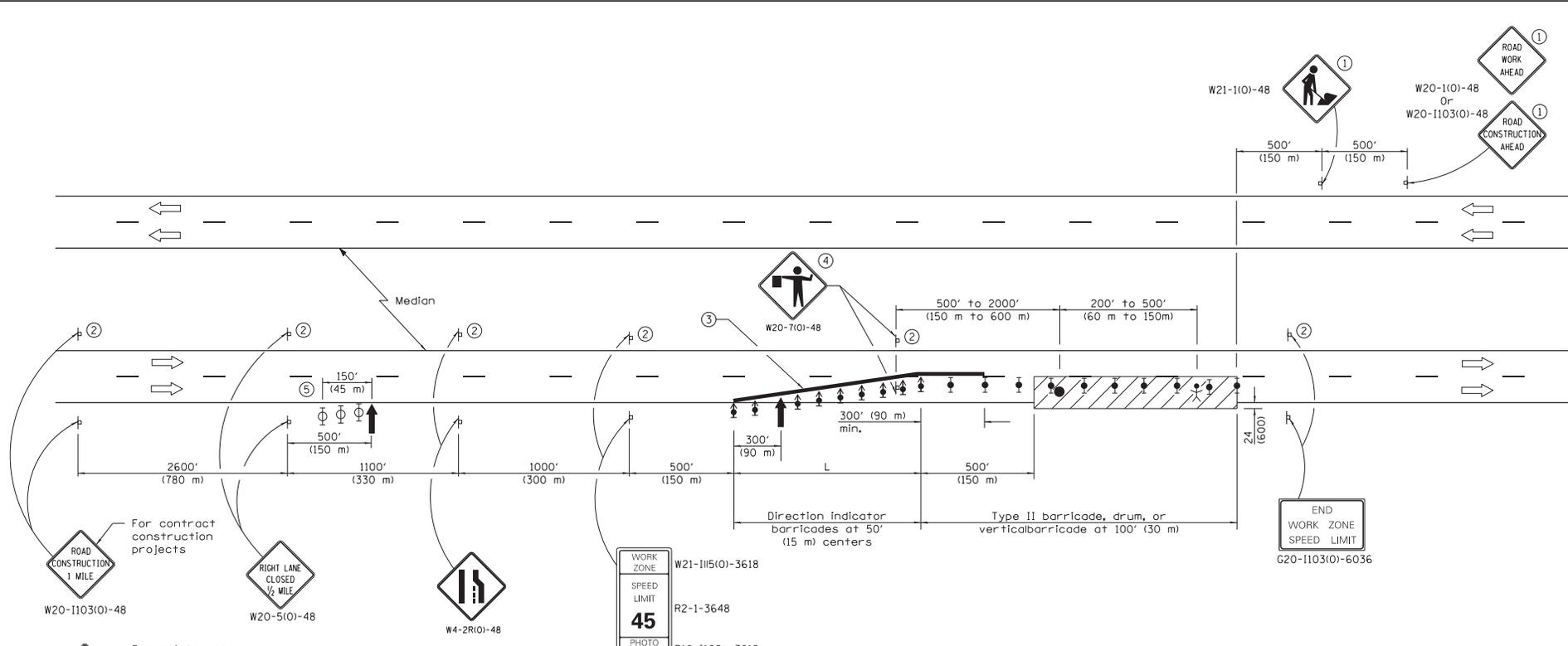
STANDARD 701421-07

Illinois Department of Transportation

APPROVED January 1, 2015
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2015
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-1-04



For contract construction projects
ROAD CONSTRUCTION 1 MILE
 W20-1103(O)-48

RIGHT LANE CLOSED 1/2 MILE
 W20-5(O)-48

ROAD WORK AHEAD
 W4-2R(O)-48

For maintenance and utility projects
ROAD WORK 1 MILE
 W20-110(O)-48

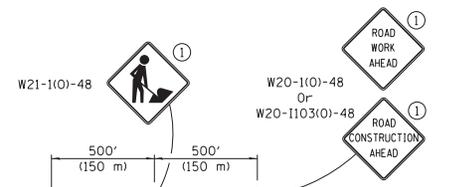
L = lane width X taper ratio	
Normal Posted Speed	Taper Ratio
mph	
55	55/1
45	45/1

WORK ZONE
SPEED LIMIT
45
PHOTO ENFORCED
 R2-1-3648
 R10-1108p-3618
XXXX FINE MINIMUM
 R2-1106p-3618

SYMBOLS

- ↑ Arrow board
- ▨ Work area
- ⊥ Sign
- ⚡ Direction indicator barricade with steady burn monodirectional light
- ⚡ Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Flagger with traffic control sign
- ⚧ Worker
- ⊕ Type II barricade, drum, or vertical barricade with monodirectional flashing light

- ① Undivided roadway only with left lane closure in opposite direction.
- ② Omitted when median is less than 10' (3 m).
- ③ ReflectORIZED temporary pavement marking tape shall be placed throughout the taper and for 300' (90 m) along-side the work area where the closure time is greater than fourteen days. The edge line shall be white for right lane closures and yellow for left lane closures.
- ④ FLAGGER signs shall be moved as necessary to maintain the required spacing between the sign and each separate work activity.
- ⑤ Three Type II barricades, drums, or vertical barricades at 50' (15 m) centers.



END WORK ZONE SPEED LIMIT
 G20-1103(O)-6036

GENERAL NOTES

This standard is used where at any time any vehicle, equipment, workers or their activities will encroach on the lane adjacent to the shoulder, or on the shoulder within 24 (600) of the edge of pavement for daylight operation exceeding one day.

This standard also applies when work is being performed in the left lane. Under these conditions LEFT LANE CLOSED signs shall be substituted for RIGHT LANE CLOSED signs. On undivided highways, signs shall be added in the opposite direction as shown.

A check barricade shall be placed in the middle of the closed lane and at the shoulder at 1000' (300 m) centers.

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

DATE	REVISIONS
4-1-16	Added steady burn monodirectional lights to devices at work area.
1-1-15	Revised END WORK ZONE SPEED LIMIT sign dimensions.

LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH

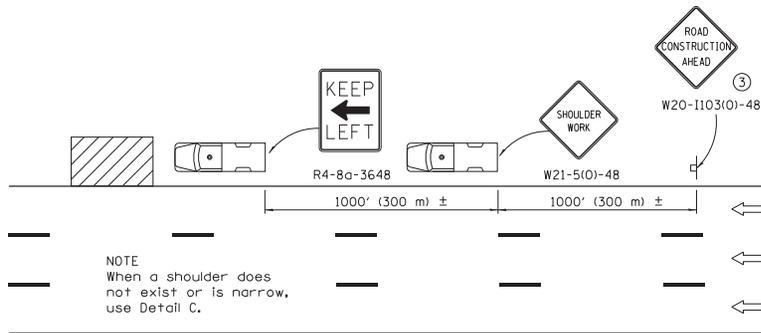
STANDARD 701422-08

Illinois Department of Transportation

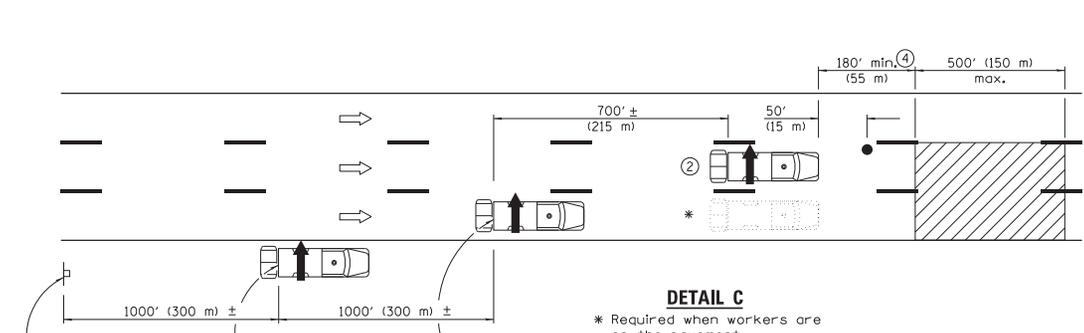
APPROVED April 1, 2016
 ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2016
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-1-104



DETAIL A

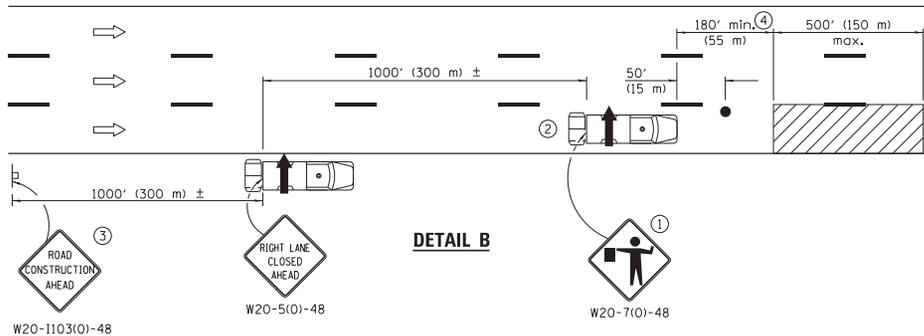


DETAIL C

* Required when workers are on the pavement.

TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Pavement marking
- Weed spraying
- Roadmeter measurements
- Debris cleanup
- Crack pouring



DETAIL B

- ① Flagger is required when workers are on the pavement.
- ② For striping operations only. See sign arrow detail on this standard.
- ③ For stationary operations which are on the roadway or shoulder, greater than 15 minutes and up to 1 hour.
- ④ The distance between the work and the lead truck may vary according to terrain or paint/crack sealing drying time.



G20-1101-2430
(appropriate arrow)
② (when striping only)

SYMBOLS

- Arrow board
- Work area
- Truck with flashing amber light
- Truck/Trailer mounted attenuator
- Flagger with traffic control sign
- Sign

GENERAL NOTES

This Standard is used where any vehicle, equipment, workers or their activities will require: 1) stationary operations up to 1 hour, or 2) a continuous or intermittent moving operation where the average speed of movement is greater than 1 mph (2 km/h).

This Standard is also applicable when work is being performed in the left lane(s) or on the median shoulder. Under these conditions, KEEP RIGHT signs shall be substituted for KEEP LEFT signs and arrow board indications shall be directed to the right.

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

DATE	REVISIONS
4-1-16	Added trailer option for attenuator symbol. Added note ④. Revised gen. notes.
1-1-15	Added general note regarding vehicle spacing.
	Corr. KEEP LEFT sign no.

LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH

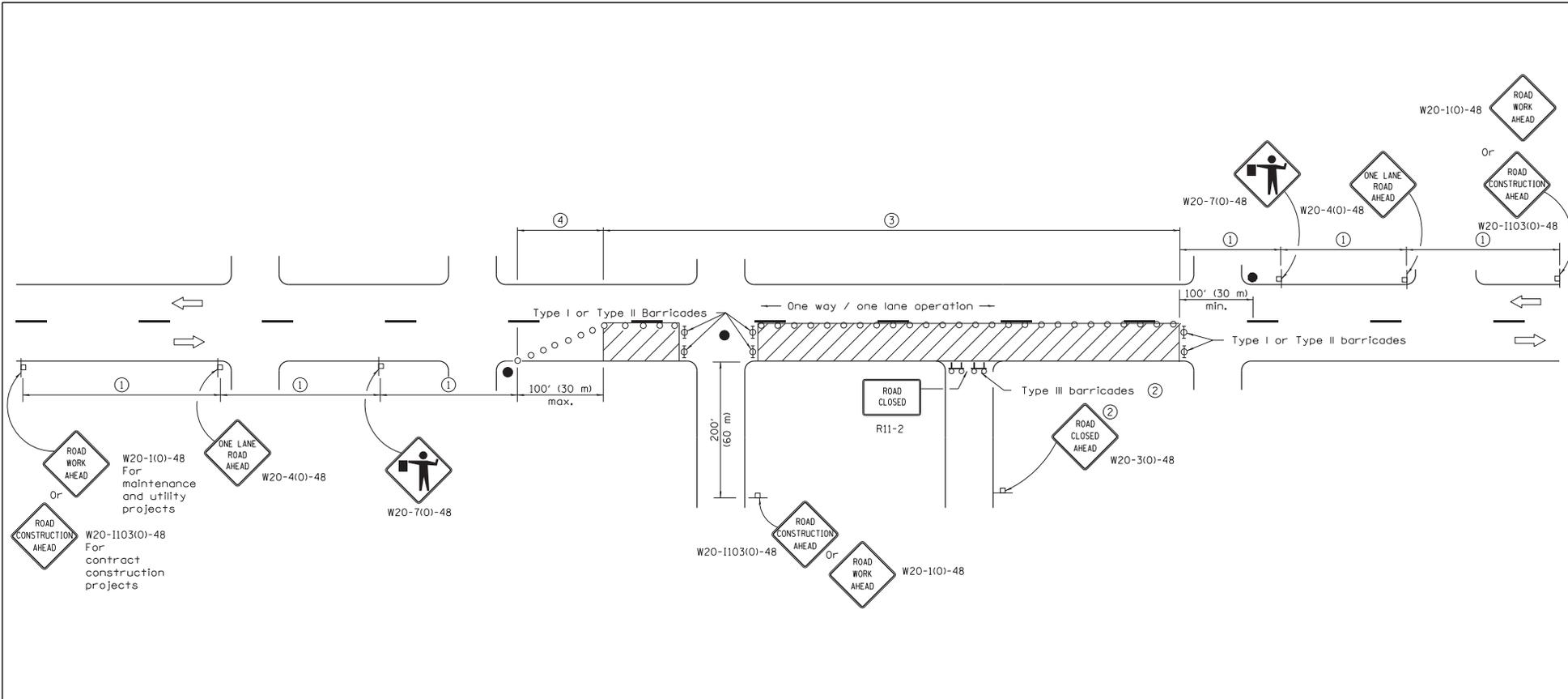
STANDARD 701426-08

Illinois Department of Transportation

APPROVED: *[Signature]* April 1, 2016
ENGINEER OF SAFETY ENGINEERING

APPROVED: *[Signature]* April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



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

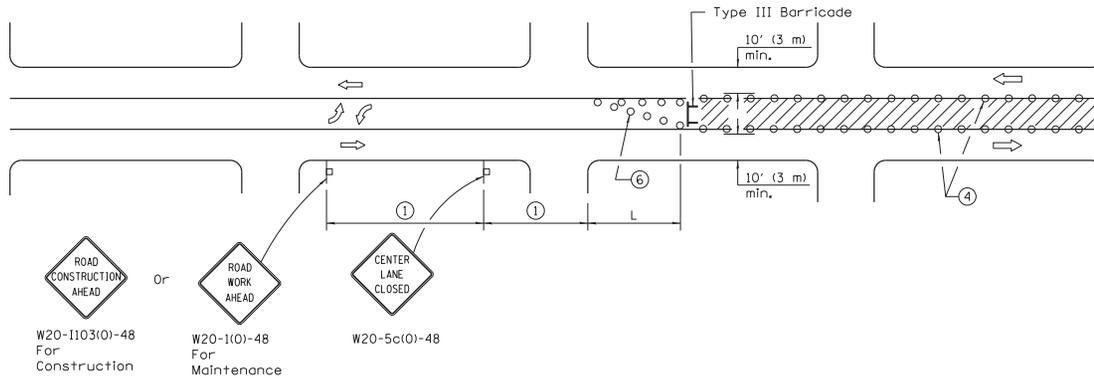
APPROVED January 1, 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-11 48'

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



CASE I

(Signs required for both directions)

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (110 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	(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.

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)

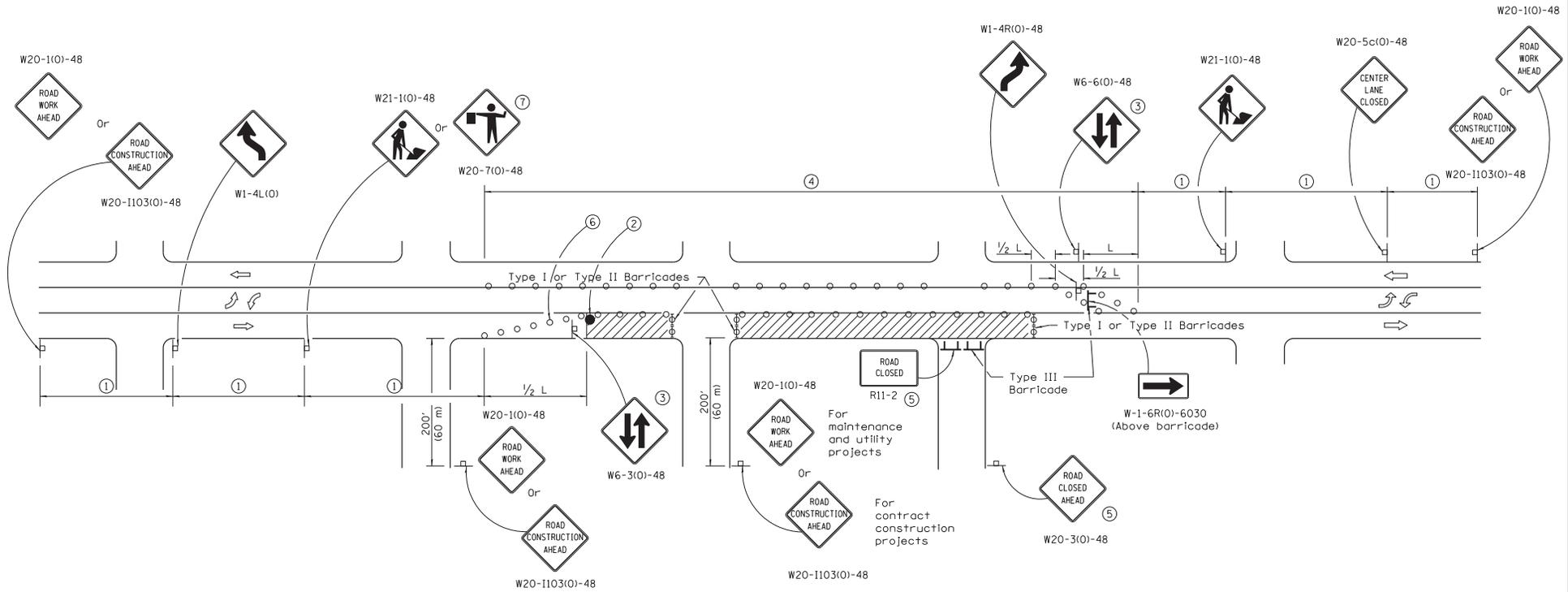
STANDARD 701502-06

Illinois Department of Transportation

APPROVER January 1, 2014
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 10-1-14



CASE II

Illinois Department of Transportation

APPROVED January 1, 2014
 ENGINEER OF SAFETY ENGINEERING

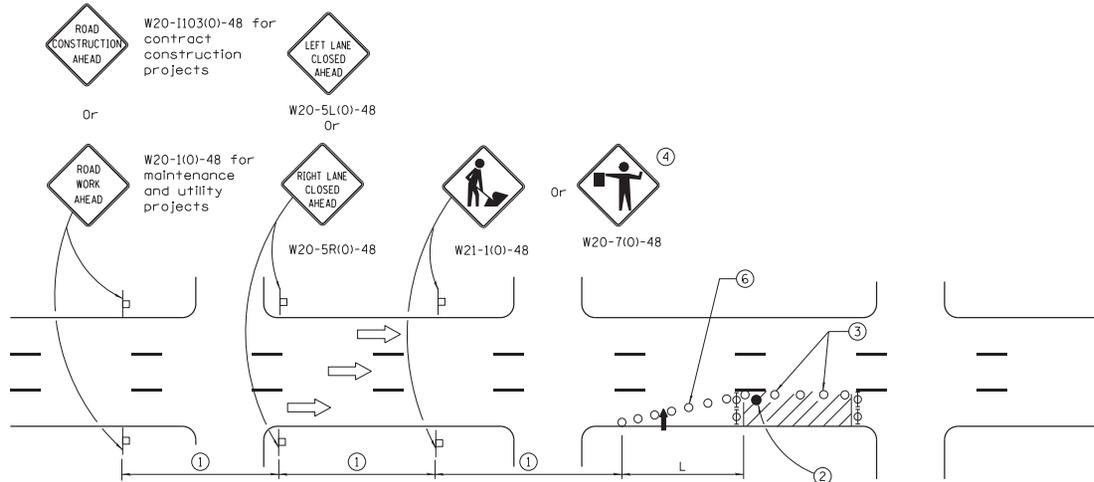
APPROVED January 1, 2014
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 10-1-1

**URBAN LANE CLOSURE,
 2L, 2W, WITH BIDIRECTIONAL
 LEFT TURN LANE**

(Sheet 2 of 2)

STANDARD 701502-06



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

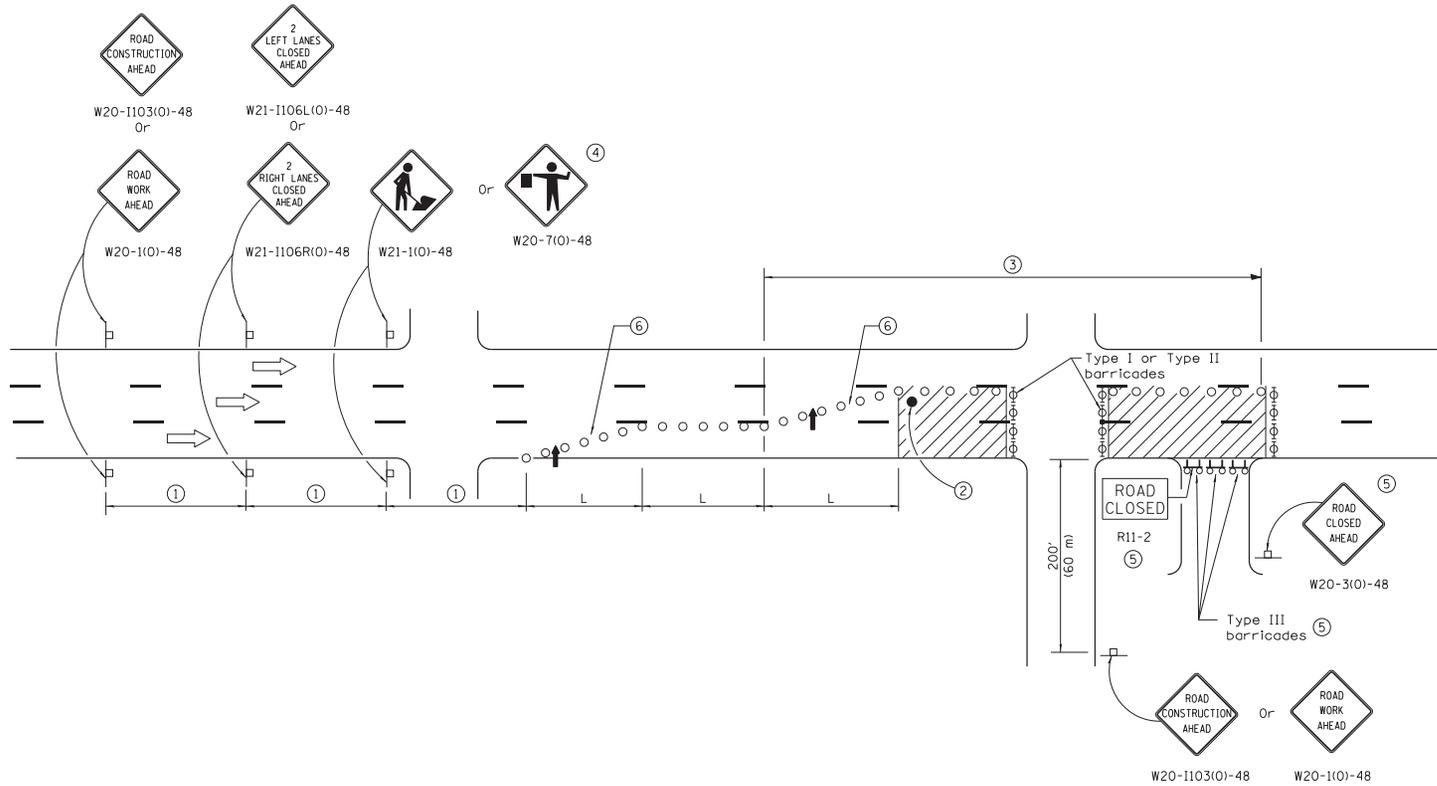
ISSUED 48-1-1-1-14

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)

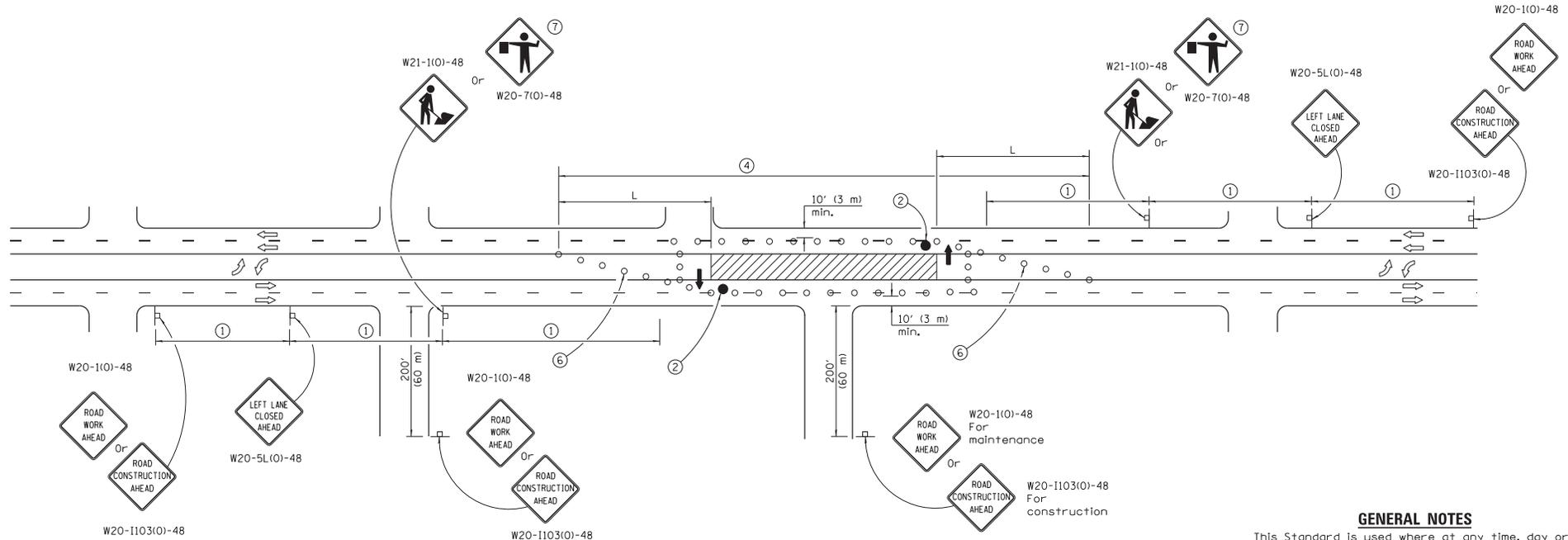
STANDARD 701601-09



Illinois Department of Transportation	
APPROVER _____ January 1, 2014	ISSUED 1-1-14
ENGINEER OF SAFETY ENGINEERING <i>[Signature]</i>	
APPROVED _____ January 1, 2014	
ENGINEER OF DESIGN AND ENVIRONMENT <i>[Signature]</i>	

**URBAN LANE CLOSURE,
MULTILANE, 1W OR 2W WITH
NONTRAVERSABLE MEDIAN**
(Sheet 2 of 2)

STANDARD 701601-09



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).

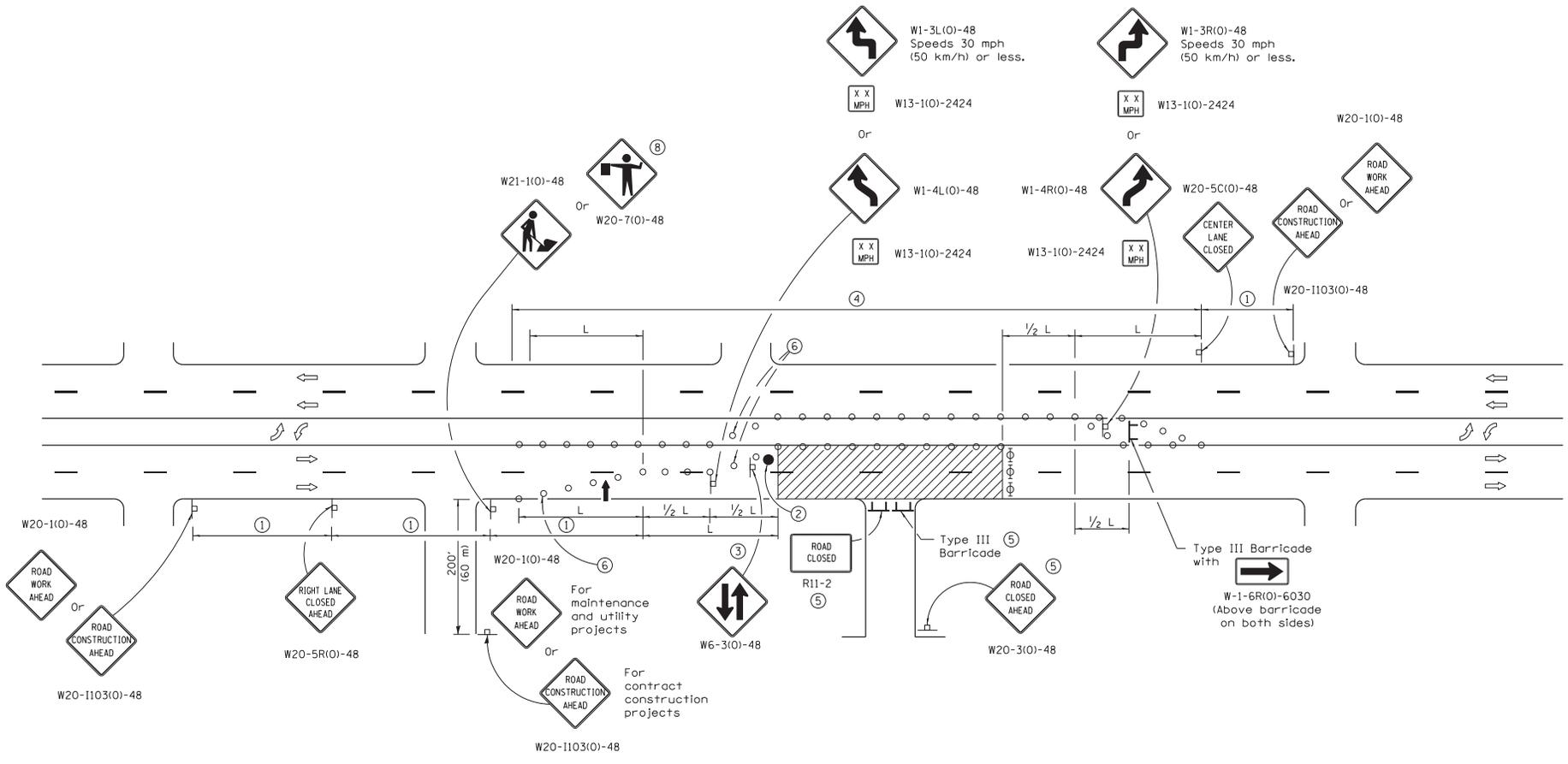
All dimensions are in inches (millimeters) unless otherwise shown.

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

Illinois Department of Transportation	
APPROVER January 1, 2014 ENGINEER OF SAFETY ENGINEERING APPROVED January 1, 2014 ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-01



CASE II

Illinois Department of Transportation

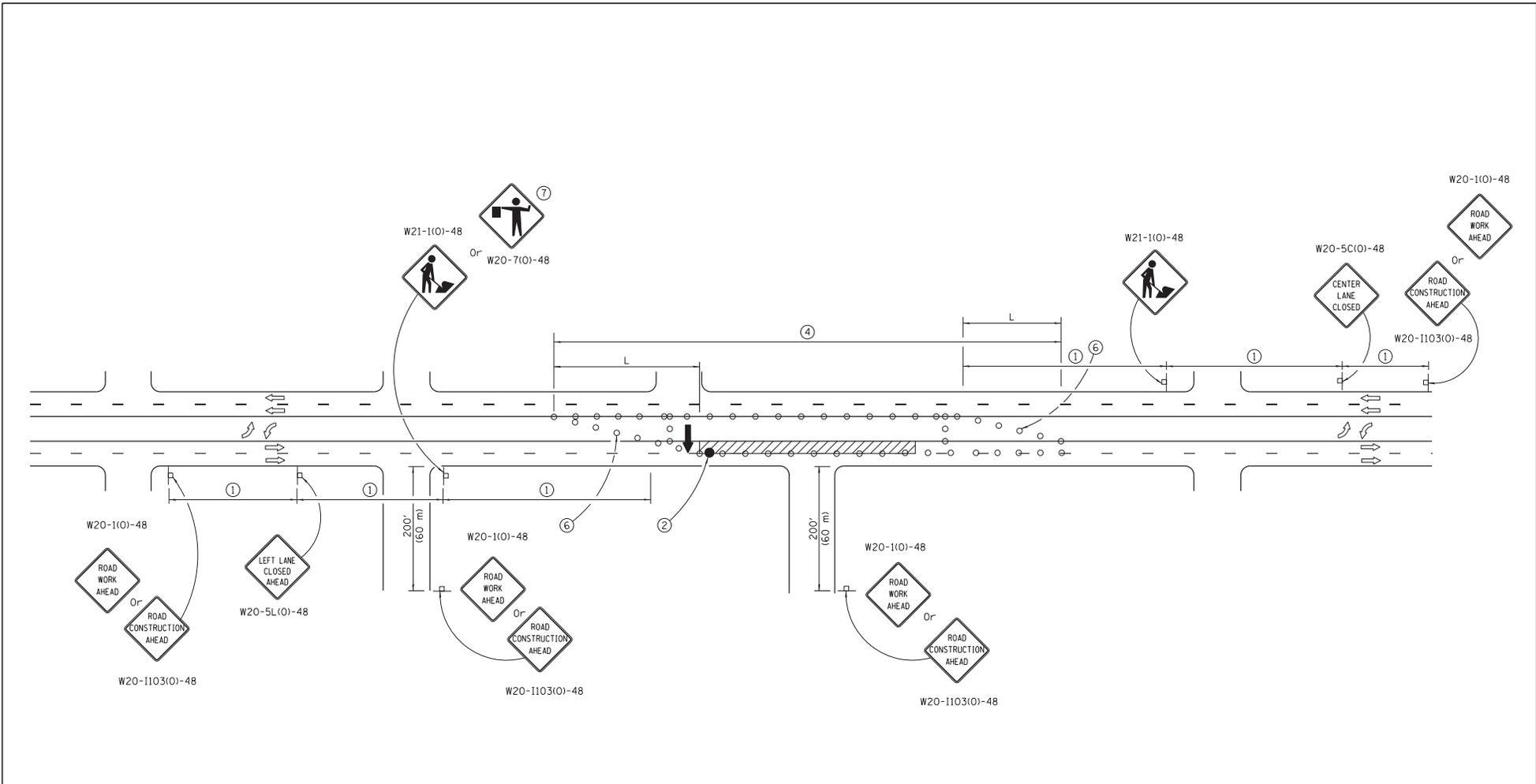
APPROVED January 1, 2014
Amelia R. [Signature]
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-10

**URBAN LANE CLOSURE,
 MULTILANE, 2W WITH
 BIDIRECTIONAL LEFT TURN LANE**
 (Sheet 2 of 4)

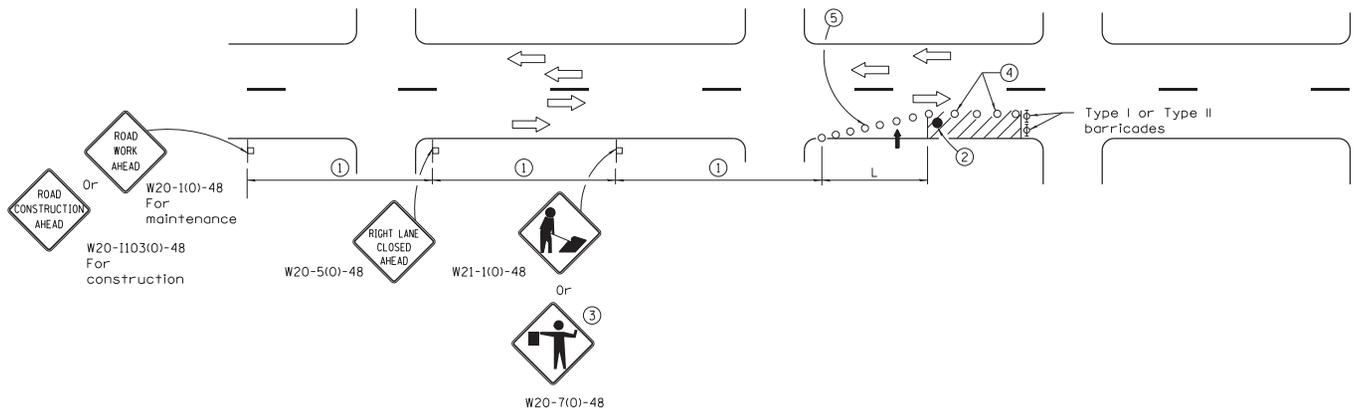
STANDARD 701602-07



CASE III

Illinois Department of Transportation	
APPROVER: _____ January 1, 2014 ENGINEER OF SAFETY ENGINEERING	ISSUED: 1-1-01
APPROVED: _____ January 1, 2014 ENGINEER OF DESIGN AND ENVIRONMENT	

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE <small>(Sheet 3 of 4)</small>
STANDARD 701602-07



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
- Flagger with traffic control sign.

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 mph.
- ③ Use flagger sign only when flagger is present.
- 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 Type II barricades are used, the interval between devices may be doubled.
- ⑤ Cones, drums or barricades at 20' (6 m) centers 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 requiring the closure of one traffic lane in an Urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
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, 2015
 ENGINEER OF SAFETY ENGINEERING

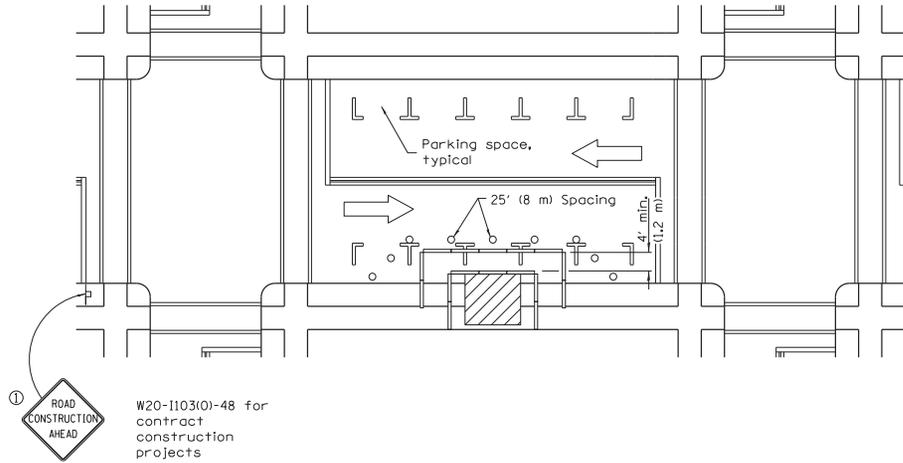
APPROVED January 1, 2015
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-1974

DATE	REVISIONS
1-1-15	Renamed standard. Moved case on Sheet 2 to new Highway Standard.
1-1-14	Revised workers sign number to agree with current MUTCD.

URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

STANDARD 701606-10



① ROAD CONSTRUCTION AHEAD
W20-1103(O)-48 for contract construction projects

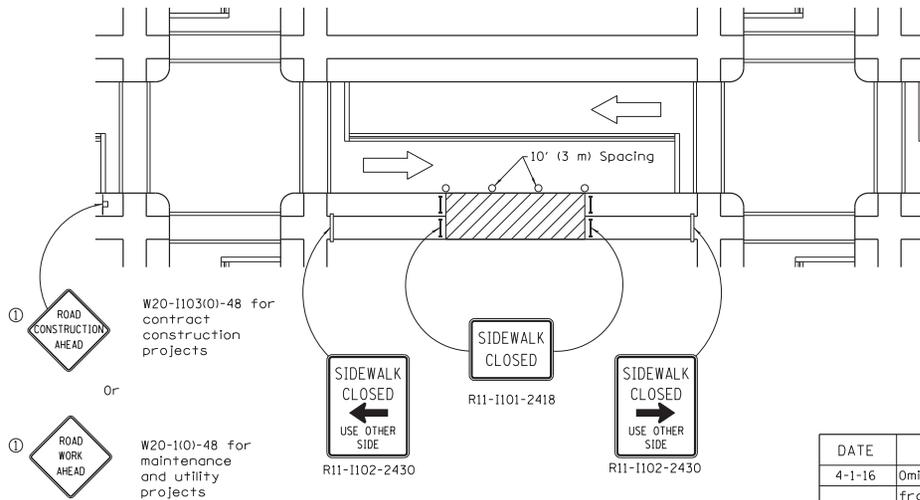
Or
① ROAD WORK AHEAD
W20-1(0)-48 for maintenance and utility projects

SIDEWALK DIVERSION

① Omit whenever duplicated by road work traffic control.

SYMBOLS

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



① ROAD CONSTRUCTION AHEAD
W20-1103(O)-48 for contract construction projects

Or
① ROAD WORK AHEAD
W20-1(0)-48 for maintenance and utility projects

SIDEWALK CLOSURE

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

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

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views. Renamed Std.

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

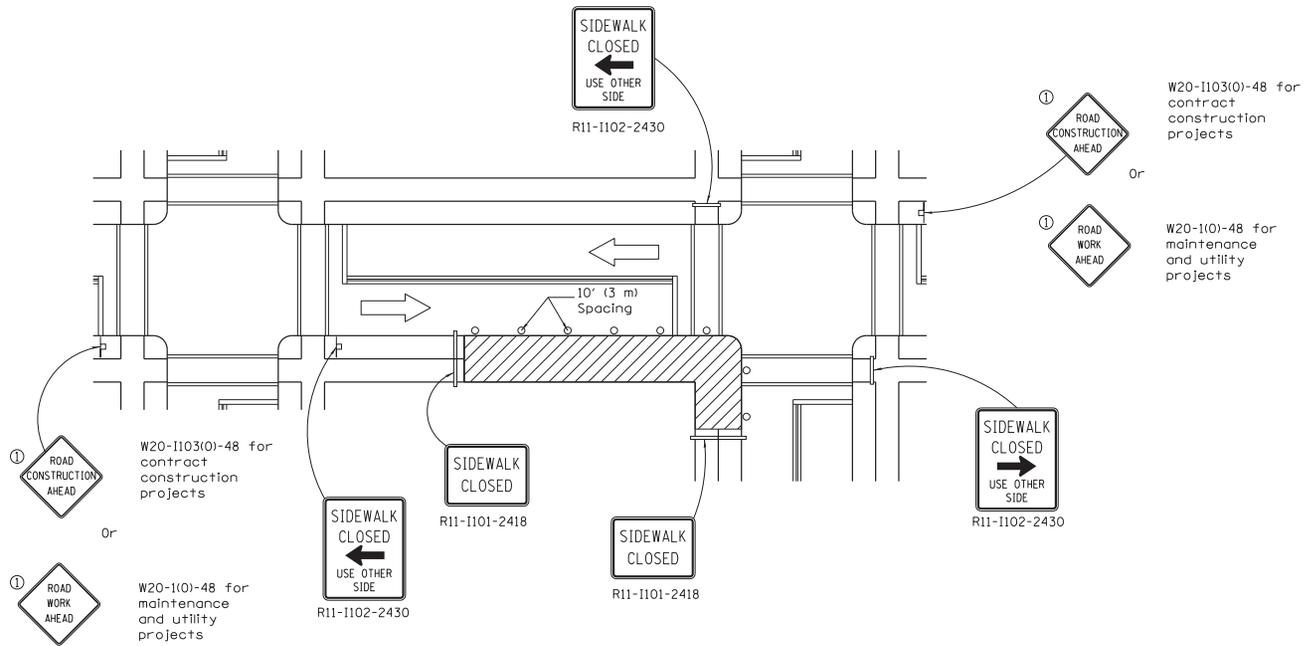
STANDARD 701801-06

Illinois Department of Transportation

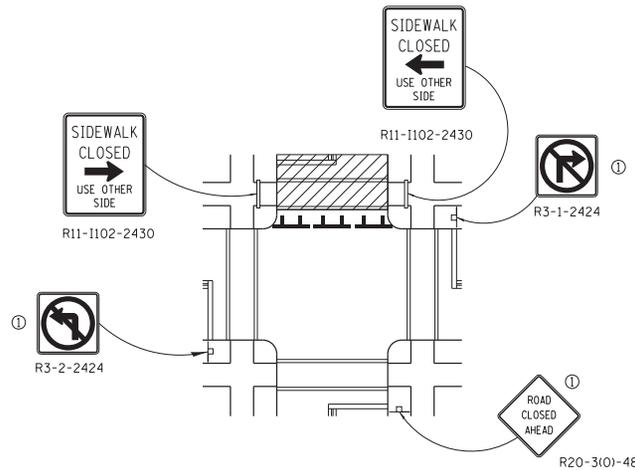
APPROVER: _____ April 1, 2016
ENGINEER OF SAFETY ENGINEERING

APPROVED: _____ April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED: 46-1-1



CORNER CLOSURE



CROSSWALK CLOSURE

W20-1103(0)-48 for contract construction projects

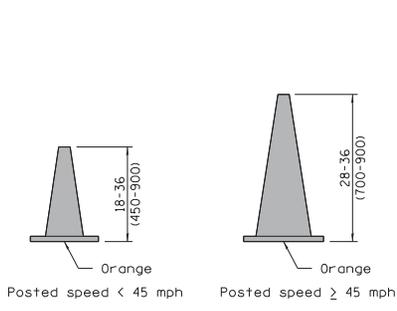
W20-1(0)-48 for maintenance and utility projects

SIDEWALK, CORNER OR CROSSWALK CLOSURE

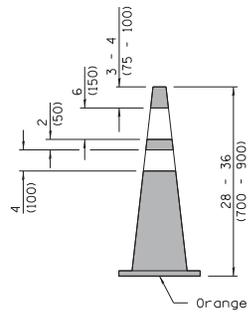
(Sheet 2 of 2)

STANDARD 701801-06

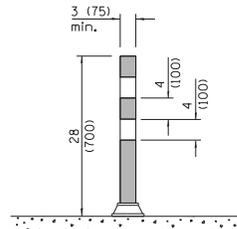
Illinois Department of Transportation	
APPROVER _____ April 1, 2016 ENGINEER OF SAFETY ENGINEERING	ISSUED 1-1-19
APPROVED _____ April 1, 2016 ENGINEER OF DESIGN AND ENVIRONMENT	



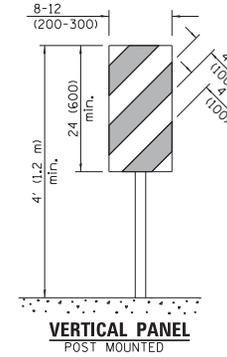
CONE FOR DAYTIME



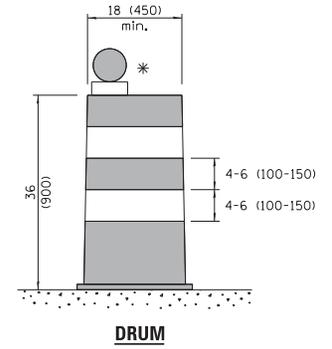
REFLECTORIZED CONE FOR NIGHTTIME



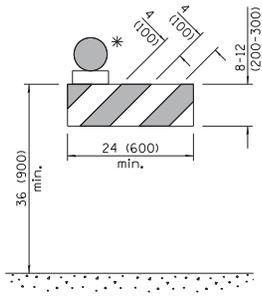
FLEXIBLE DELINEATOR



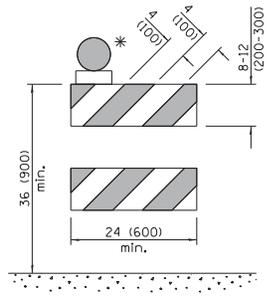
VERTICAL PANEL POST MOUNTED



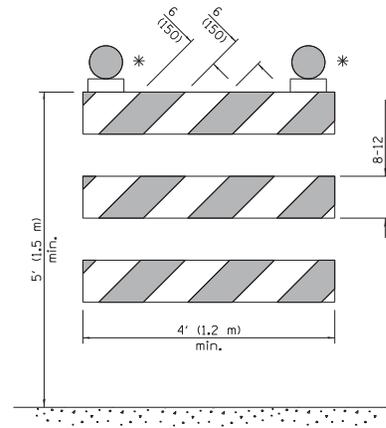
DRUM



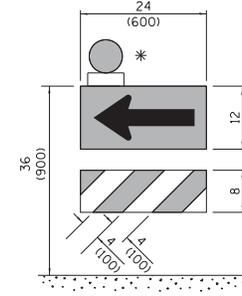
TYPE I BARRICADE



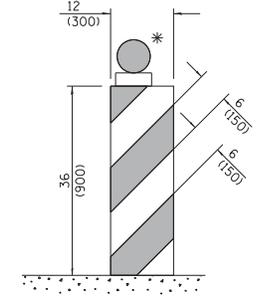
TYPE II BARRICADE



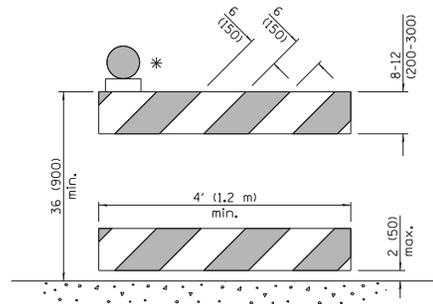
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

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

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

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

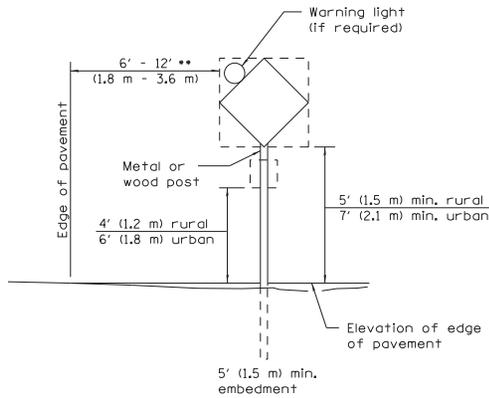
STANDARD 701901-05

Illinois Department of Transportation

APPROVED *[Signature]* April 1, 2016
ENGINEER OF OPERATIONS

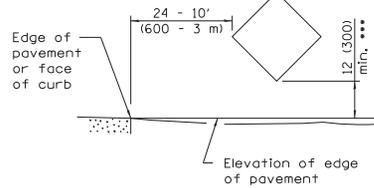
APPROVED *[Signature]* April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 48-1-1-16



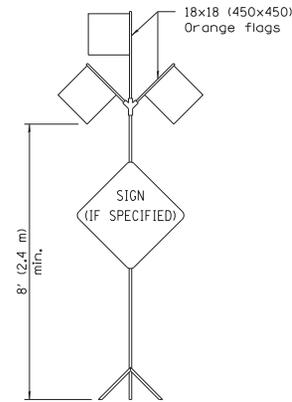
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

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



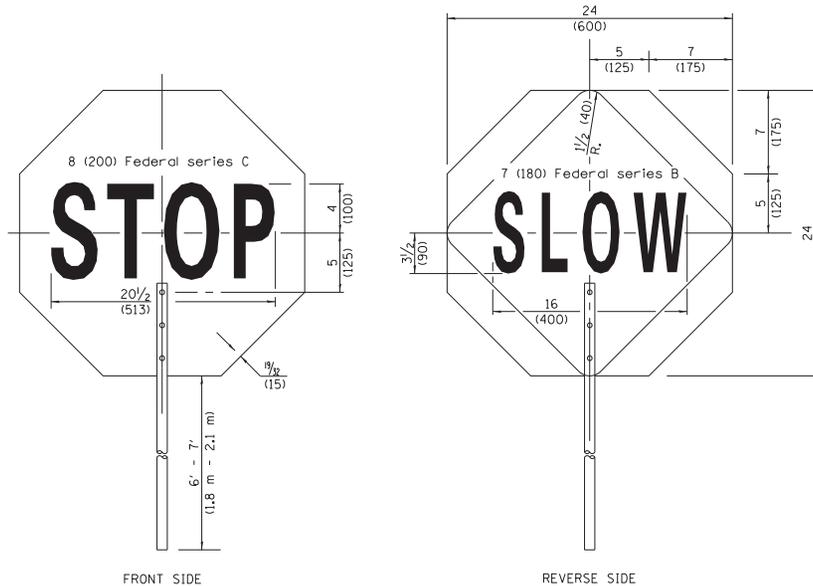
HIGH LEVEL WARNING DEVICE



W12-1103-4848

WIDTH RESTRICTION SIGN

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



FLAGGER TRAFFIC CONTROL SIGN

ROAD CONSTRUCTION NEXT X MILES	END CONSTRUCTION
G20-1104(0)-6036	G20-1105(0)-6024

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

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

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

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

WORK LIMIT SIGNING

WORK ZONE	W21-115(0)-3618
SPEED LIMIT XX	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618 ****
SXXX FINE MINIMUM	R2-1106p-3618

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

END WORK ZONE SPEED LIMIT	G20-1103(0)-6036
---------------------------------	------------------

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

**HIGHWAY CONSTRUCTION
SPEED ZONE SIGNS**

**** R10-1108p shall only be used along roadways under the jurisdiction of the State.

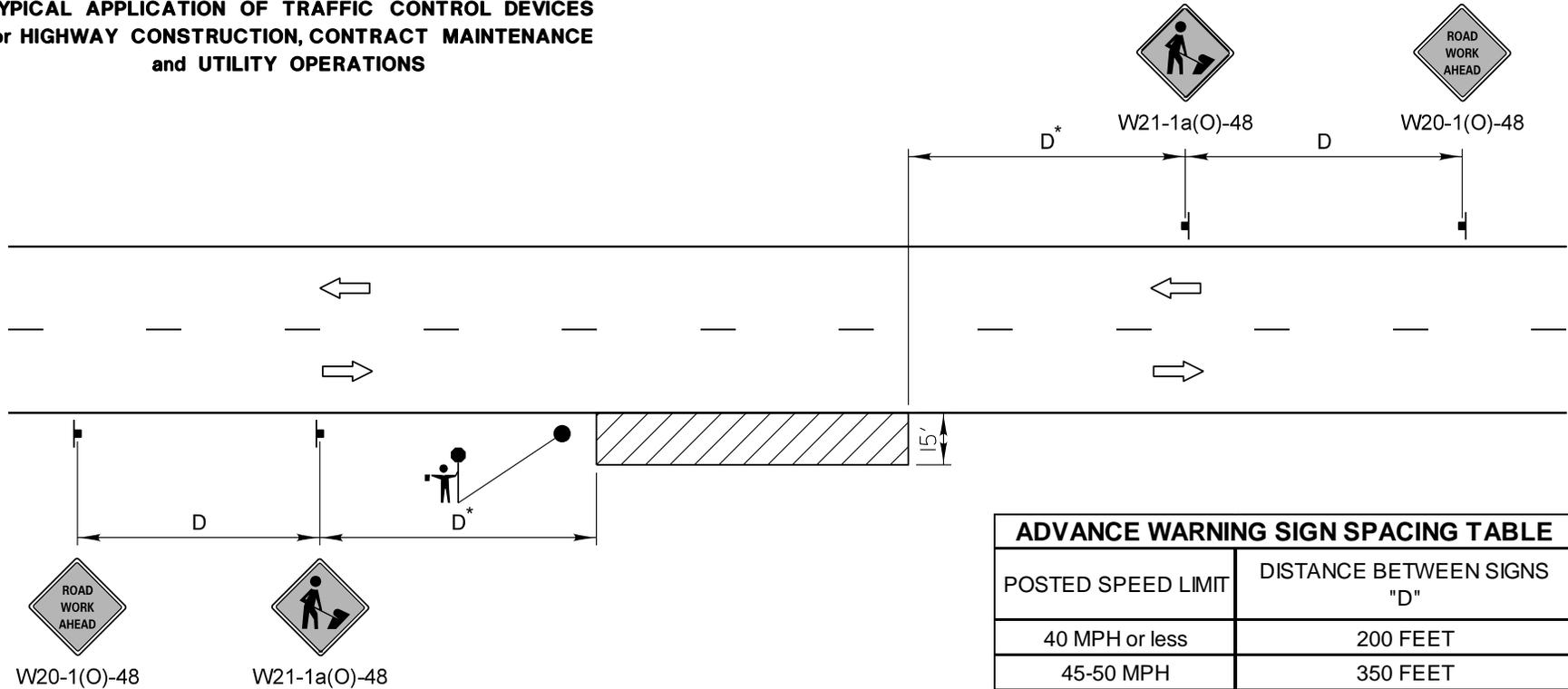
**TRAFFIC CONTROL
DEVICES**

(Sheet 2 of 3)

STANDARD 701901-05

Illinois Department of Transportation	
APPROVED _____ April 1, 2016	ISSUED 11-1-19
ENGINEER OF OPERATIONS	
APPROVED _____ April 1, 2016	
ENGINEER OF DESIGN AND ENVIRONMENT	

**TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
for HIGHWAY CONSTRUCTION, CONTRACT MAINTENANCE
and UTILITY OPERATIONS**



ADVANCE WARNING SIGN SPACING TABLE	
POSTED SPEED LIMIT	DISTANCE BETWEEN SIGNS "D"
40 MPH or less	200 FEET
45-50 MPH	350 FEET
55 MPH	500 FEET

GENERAL NOTES:

This special detail is used at any time, any vehicle, equipment, workers or their activities require a stationary, intermittent or continuous moving operation within 15 feet of the traffic lane, where the average speed is 1 mph or less.

* Minimum distance "D" is shown in the Advance Warning Sign Spacing Table. If the work is a moving operation, the maximum distance "D" may be extended to ½ the length required for one normal working day's operation or 4 miles, whichever is less.

If the work operation does not exceed 60 minutes, traffic control may be according to I.D.O.T. Highway Standard 701301.

SYMBOLS

-  WORK AREA
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  FLAGGER WITH TRAFFIC CONTROL SIGN WHEN REQUIRED

MODIFIED IDOT STANDARD 701011-04

REVISIONS	DATE	 LakeCounty Division of Transportation	APPROVED BY: A. KHAWAJA
Title Block Revision	8/1/09		
Reformat LCDOT Standard	7/15/10		
Updated IDOT Standard Version #	3/29/16		

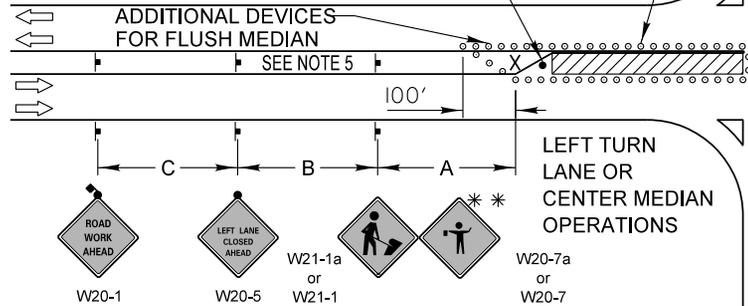
**TWO LANE, TWO WAY,
OFF-ROAD OPERATIONS
DAY OPERATIONS ONLY**

LC7000

NOT TO SCALE

**TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
for HIGHWAY CONSTRUCTION, CONTRACT MAINTENANCE
and UTILITY OPERATIONS**

CONES AT 25' CENTERS FOR 250'. ADDITIONAL CONES MAY BE PLACED AT 50' CENTERS. WHEN BARRICADES ARE USED, THE DISTANCE BETWEEN DEVICES MAY BE DOUBLED.



LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

*TYPE II BARRICADE
SHOULDER OPERATIONS

CORNER/CORNER ISLAND OPERATIONS



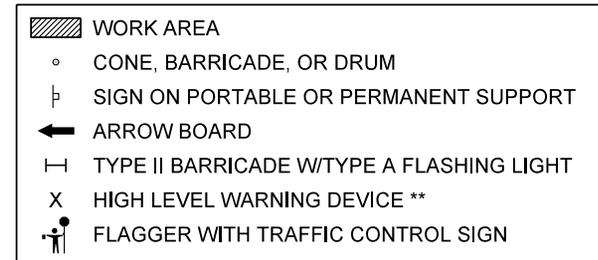
*FLAGGERS ARE REQUIRED WHEN THE POSTED SPEED IS 45 MPH OR GREATER. USE OF THE "FLAGGER" SIGN IS LIMITED TO WHEN FLAGGERS ARE PRESENT.

**HIGH LEVEL WARNING DEVICES ARE REQUIRED WHEN THE SPEED LIMIT IS 40 MPH OR LESS.

ADVANCE WARNING SIGN SPACING TABLE

POSTED SPEED LIMIT	DISTANCE BETWEEN SIGNS		
	"A"	"B"	"C"
40 MPH or less	400 FEET	200 FEET	200 FEET
45-50 MPH	400 FEET	350 FEET	350 FEET
55 MPH	500 FEET	500 FEET	500 FEET

SYMBOLS



**MODIFIED IDOT
STANDARD 701701-10**

GENERAL NOTE:

This Standard is used where at anytime, 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.

DESIGN NOTES:

- All warning signs shall have minimum dimensions of 48"x48". The Engineer may approve signs measuring 36"x36" when the posted speed limit is 30 mph or less.
- All signs not on the traveled way shall be post mounted if the closure time exceeds four calendar days. All signs shall be posted with the bottom of the sign not less than 7" above the edge of pavement. "NO PARKING" signs shall be installed throughout the work area at the discretion of the Engineer.
- The distance "L" shall be defined as:

SPEED	FORMULA
≤ 40 MPH	$L = (WS^2)/60$
≥ 45 MPH	$L = LW \times S$

W = Width of Closure in FEET
S = Normal Posted Speed Limit in MPH
LW = Lane Width in FEET
- Type II barricades with Type C steady burning lights shall be used in lieu of cones for night operations. All cones and barricades shall be according to IDOT Standard 701901.
- For raised median operations, where the raised median is less than 10' signing shall not be installed on the median. No signing shall be installed on any painted median.
- If the work operation is performed between 9:00 am and 3:00 pm and the work does not exceed 15 minutes, the traffic protection shall be as shown for IDOT Standard 701301. Signs, when required, shall be at the spacing specified in the advance warning sign spacing table.
- If the work area is in the parking lane and the parking exists during work hours, a "ROAD WORK AHEAD" sign shall be installed in advance of work area at the spacing specified in the Advance Warning Sign Spacing Table and the area protected with cones or barricades.
- Type A flashing lights shall be used on each approach in advance of the work area during hours of darkness and installed above the first two sign in each series and the high level warning devices.
- Longitudinal dimensions may be adjusted to fit field conditions.
- Form BT 725 is required.

REVISIONS	DATE
Revised IDOT Reference	2/1/08
Title Block Revision	8/1/09
Reformat LCDOT Standard	7/15/10
Removed "Worker" & "Flagger" signs	6/26/12
Updated IDOT Standard Version #	3/29/16



APPROVED BY: ANTHONY KHAWAJA
DATE: APRIL 1, 2007

**URBAN LANE CLOSURE
MULTILANE INTERSECTION**

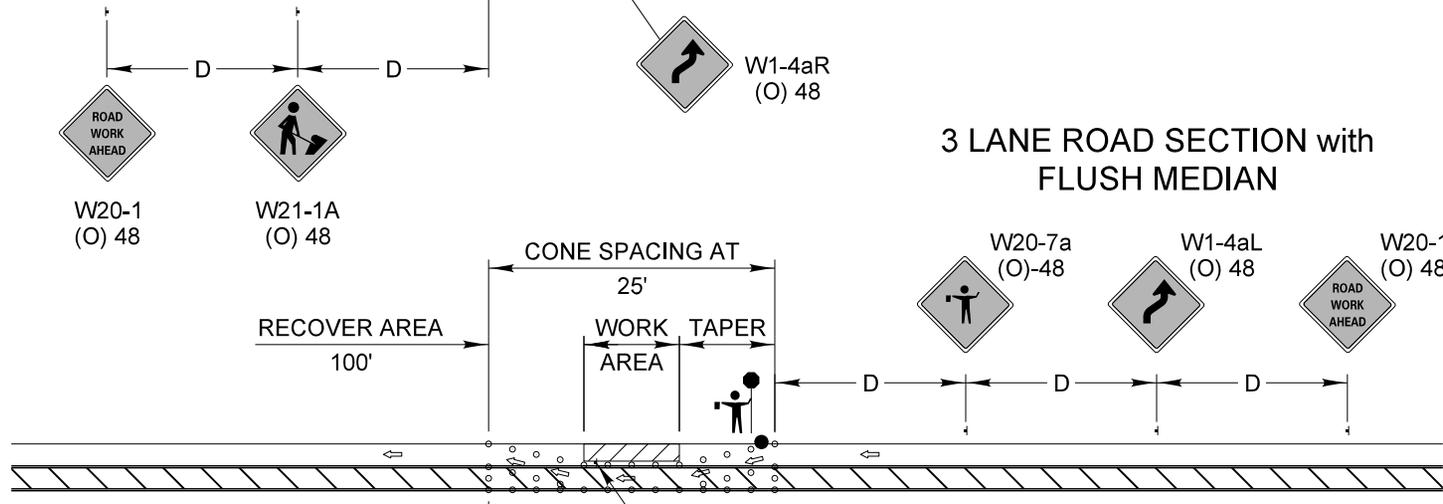
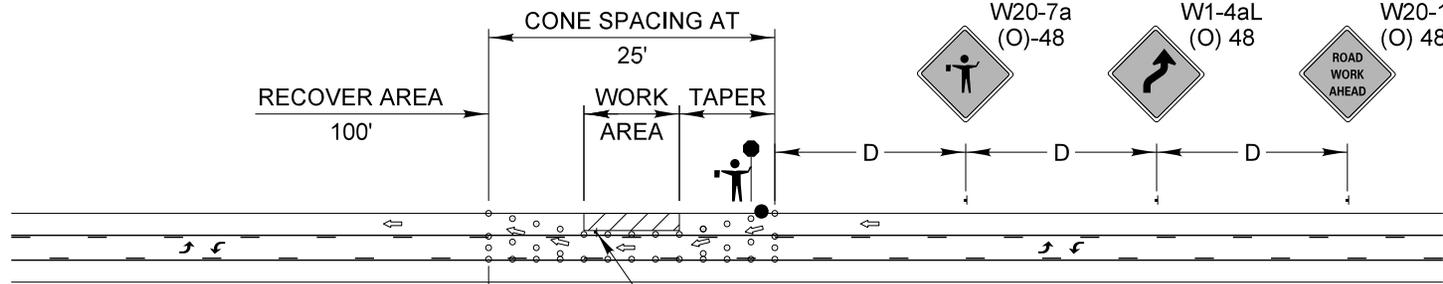
LC7003

NOT TO SCALE

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
for HIGHWAY CONSTRUCTION, CONTRACT MAINTENANCE
and UTILITY OPERATIONS

3 LANE ROAD SECTION with
2-WAY LEFT TURN LANE

NOT TO SCALE



GENERAL NOTE:

This Standard is used where during the day only, any vehicle, equipment, workers or their activities encroach on a 3 lane, two way pavement requiring the closure of one traffic lane.



SYMBOLS

- WORK AREA
- CONE
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER STATION
- FLAGGER WITH SLOW PADDLE

LENGTH OF SHIFTING TAPER	
POSTED SPEED LIMIT	TAPER LENGTH
30 MPH	100'
35 MPH	125'
40 MPH	150'
45 MPH	275'
50 MPH	300'
55 MPH	325'

ADVANCE WARNING SIGN SPACING TABLE	
POSTED SPEED LIMIT	DISTANCE BETWEEN SIGNS "D"
40 MPH or less	200 FEET
45-50 MPH	350 FEET
55 MPH	500 FEET

REVISIONS	DATE
Title Block Revision	8/1/09
Reformat LCDOT Standard	7/15/10

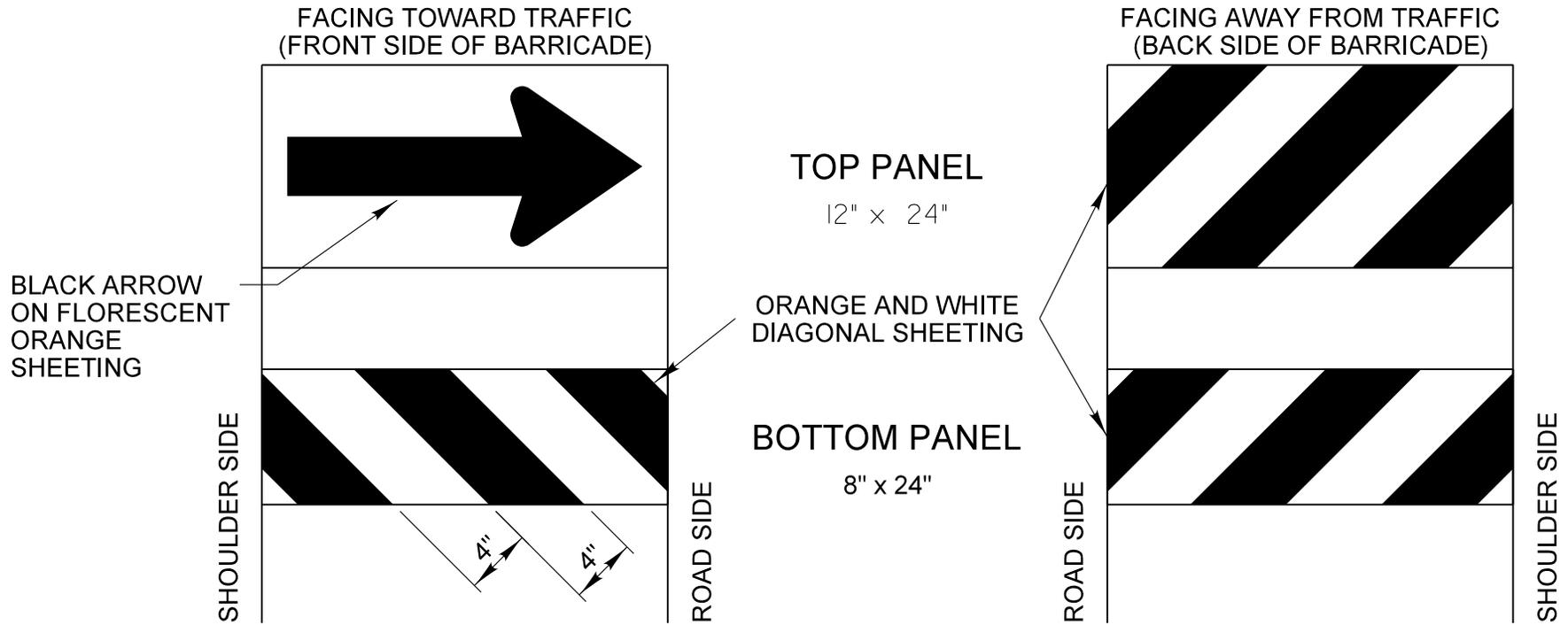


APPROVED BY: A. KHAWAJA
DATE: APRIL 1, 2007

TYPICAL LANE CLOSURE
3 LANE ROAD SECTION

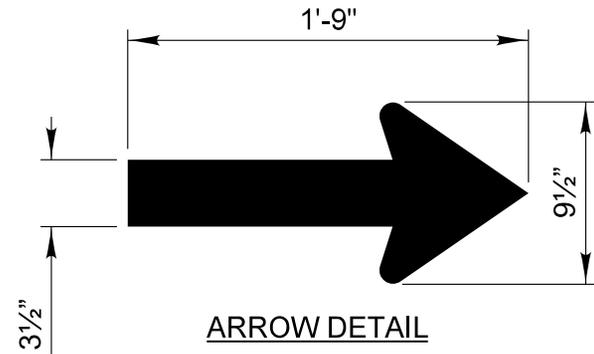
LC7005

DIRECTION INDICATOR BARRICADES



GENERAL NOTES

- 1) Direction Indicator Barricades shall be constructed from non-metallic Type II barricades meeting the requirements of Article 1106.02 of the Standard Specifications, except where modified by this detail.
- 2) The Direction Indicator Barricades shall be equipped with Type C steady burning lights if used to channelize traffic during the hours of darkness.
- 3) The reflective sheeting for the top panel shall be Type AZ fluorescent orange. The diagonal panels shall have orange and white Type A or better reflective sheeting.



REVISIONS	DATE	Lake County Division of Transportation	APPROVED BY: ANTHONY KHAWAJA DATE: APRIL 1, 2007
Text Update	7/15/11	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES HIGHWAY CONSTRUCTION, CONTRACT MAINTENANCE	
		DIRECTION INDICATOR BARRICADES	
		LC7200	

INTENTIONALLY

BLANK

SPECIAL PROVISION
FOR
CONSTRUCTION DEBRIS

Effective October 18, 1999

Add the following to the third paragraph of Article 202.03 of the Standard Specifications:

“The Contractor shall not conduct any generation, transportation, or recycling of construction or demolition debris, clean or general or uncontaminated soil generated during construction, remodeling, repair, and demolition of utilities, structures, and roads that is not commingled with any waste, without the maintenance of documentation identifying the hauler, generator, place of origin of the debris or soil, the weight or volume of the debris or soil, and the location, owner, and operator of the facility where the debris or soil was transferred , disposed, recycled or treated. This documentation must be maintained by the Contractor for 3 years.”

CONSTRUCTION DEBRIS MANIFEST

Ticket No. _____

Contract No. _____

Generator _____

Hauler _____

Truck No. _____

Description of Material

Approximate Weight of Material _____

Approximate Volume of Material _____

Disposition of Material:

Location: _____

Date: _____

Time: _____

Owner: _____

Operator: _____