



Illinois Department of Transportation

Local Public Agency Formal Contract Proposal

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

STATE OF ILLINOIS

COUNTY OF Grundy

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

FOR THE IMPROVEMENT OF
STREET NAME OR ROUTE NO. Old Stage Road
SECTION NO. 85-03108-00-BR
TYPES OF FUNDS MFT and Local

SPECIFICATIONS (required)

PLANS (required)

~~For Municipal Projects
Submitted/Approved/Passed~~

~~Mayor President of Board of Trustees Municipal Official~~

~~_____~~
Date

~~Department of Transportation~~

~~Released for bid based on limited review~~

~~_____~~
Regional Engineer

~~_____~~
Date

For County and Road District Projects
Submitted/Approved

Highway Commissioner

Date

Submitted/Approved

[Signature]

County Engineer/Superintendent of Highways

01/30/2020

Date

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

RETURN WITH BID

NOTICE TO BIDDERS

County Grundy
Local Public Agency Grundy County
Section Number 85-03108-00-BR
Route Old Stage Road

Sealed proposals for the improvement described below will be received at the office of Grundy County Highway Dept.,
245 N. Route 47 Morris, IL 60450 until 11:00 AM on February 20, 2020
Address Time Date

Sealed proposals will be opened and read publicly at the office of Grundy County Highway Dept.
245 N. Route 47 Morris, IL 60450 at 11:00 AM on February 20, 2020
Address Time Date

DESCRIPTION OF WORK

Name Old Stage Road bridge repair Length: feet (miles)
Location ±500' West of Intersection with County Road 5000 W
Proposed Improvement Repair of damaged portion of existing bridge and bridge railing

1. Plans and proposal forms will be available in the office of Grundy County Highway Dept.
245 N. Route 47 Morris, Illinois 60450
Address

2. [X] Prequalification
If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and one original with the IDOT District Office.

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

- 4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
a. BLR 12200: Local Public Agency Formal Contract Proposal
b. BLR 12200a Schedule of Prices
c. BLR 12230: Proposal Bid Bond (if applicable)
d. BLR 12325: Apprenticeship or Training Program Certification (do not use for federally funded projects)
e. BLR 12326: Affidavit of Illinois Business Office

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

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

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

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

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

RETURN WITH BID

PROPOSAL

County Grundy
Local Public Agency Grundy County
Section Number 85-03108-00-BR
Route Old Stage Road

1. Proposal of Existing Bridge Repairs
for the improvement of the above section by the construction of bridge member and bridge railing repairs

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

2. The plans for the proposed work are those prepared by Willett Hofmann & Associates, Inc.
and approved by the Department of Transportation on _____

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

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

5. The undersigned agrees to complete the work within _____ working days or by June 15, 2020
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 5% 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:

Grundy County Treasurer of _____

The amount of the check is _____ (_____).

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

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

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

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

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

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

RETURN WITH BID

CONTRACTOR CERTIFICATIONS

County Grundy
 Local Public Agency Grundy County
 Section Number 85-03108-00-BR
 Route Old Stage Road

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

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

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

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

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

RETURN WITH BID

SIGNATURES

County Grundy
Local Public Agency Grundy County
Section Number 85-03108-00-BR
Route Old Stage Road

(If an individual)

Signature of Bidder _____
Business Address _____

(If a partnership)

Firm Name _____
Signed By _____
Business Address _____

Inset Names and Addressed of All Partners

} _____

(If a corporation)

Corporate Name _____
Signed By _____
President
Business Address _____

Inset Names of Officers

} President _____
Secretary _____
Treasurer _____

Attest: _____
Secretary



Route Old Stage Road
County Grundy
Local Agency Grundy County
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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)
By: _____ (Signature and Title)

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

Surety

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

STATE OF ILLINOIS,
COUNTY OF _____, a Notary Public in and for said county,

I, _____ do hereby certify that _____ (Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

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

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

My commission expires _____ (Notary Public)

ELECTRONIC BID BOND

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

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

Electronic Bid Bond ID Code

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



Apprenticeship or Training Program Certification

Return with Bid

Route Old Stage Road
County Grundy
Local Agency Grundy County
Section 85-03108-00-BR

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:

Blank lines for listing material groups.

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

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

Blank lines for listing program sponsors.

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

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

Bidder: _____

By: _____
(Signature)

Address: _____

Title: _____



Illinois Department of Transportation

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

Affidavit of Availability For the Letting of _____

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

Part I. Work Under Contract

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

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

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

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

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

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

CONTRACTOR'S OFFICE COPY OF CONTRACT SPECIFICATIONS

NOTICE

None of the following materials needs to be returned with the bid package unless the special provisions require special documentation and/or information to be submitted.



Illinois Department of Transportation

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2019

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

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 4-1-16) (Revised 1-1-19)

SUPPLEMENTAL SPECIFICATIONS

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GUIDE BRIDGE SPECIAL PROVISIONS

PREVAILING WAGE RATES

IDOT STANDARDS



Local Public Agency	County	Section Number
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The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted April 1, 2016, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

LOCATION OF PROJECT

This project consists of timber railing repair on Old Stage Road over the Illinois Michigan Canal located in Grundy County. A map with the location of the project has been included.

DESCRIPTION OF PROJECT

The work included in the Section consists of repair to damaged areas of the structure and bridge railing. The work includes, but is not limited to, furnishing and erecting timber and installation of corresponding hardware.

RESPONSIBILITY OF THE CONTRACTOR

The contractor shall notify the Engineer and Highway Commissioner a minimum of 72 hours prior to the commencement of work when they plan to begin the start of construction activity.

The Contractor shall be responsible to ensure all utilities have been marked on site at least 48 hours prior to the start of construction or as required by law. See Precautions for Utilities.

The Contractor shall protect any existing bridge fixtures whether marked or unmarked on the plans. Should damage occur due to the Contractor's activities, the Contractor shall repair said damage at the Contractor's own expense unless the Engineer determines the damage was unavoidable.

Should a conflict be discovered between these plans and conditions in the field, the Contractor shall notify the Engineer immediately of the issue(s). No work that will directly affect or be affected by the conflict may proceed without the Engineer's approval.

PRECAUTIONS FOR UTILITIES

The Contractor shall take whatever precautions which may be necessary to protect the property of the various public utilities which may be located adjacent to the site of the improvement. If so required, the respective utility companies will make the needed adjustments of these facilities. These facilities shall be saved, and care shall be exercised so as not to disrupt or destroy the services provided by these utilities. The Contractor will be required to repair or replace any utility property which has been damaged through his/her efforts. The procedure and specifications of repair will be in accordance with the regulations and/or policy of the utility.

THE CONTRACTOR SHALL COORDINATE HIS/HER ACTIVITIES BY CONTACTING J.U.L.I.E. AT (800) 892-0123.

FURNISHING AND ERECTING TIMBER

This work shall consist of timber construction required to make the repairs shown in the plans. All lumber and timber for the erection purposes, such as falsework, forms, sheeting, bracing, etc. are not subject to the requirements of this Section. All materials, fabrication, treatment, and erection shall be in accordance with Section 507 of the Standard Specifications and BDE provision 80413 "Structural Timber." Items amended are contained herein. The Grundy County Highway department has the following treated timber members stored at their facility (bullet pointed items below) and may be used to replace missing or damaged rail members impacted by

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the collision damage.

- (3 Each) – 7 3/8" X 3 3/4" X 15'
- (3 Each) – 11 1/4" X 5 3/8" X 15'

Replacement timbers used in damaged locations in this contract shall be Structural Glued Laminated Timber – Southern Pine Species, conforming to ANSI/AITC A190.1-2002 with the appropriate combinations as specified in the plans. Timber railing and rail posts shall be Visually Graded Sawn Lumber – Southern Pine Species, Grade No. 1 Dense and shall conform to AASHTO M 168. Thickness and width of timbers shall be provided as shown in the plans. Approval from the Engineer shall be required for adjustments based upon field conditions of repair areas.

This work shall also include all saw cuts, equipment, material, and labor required to remove damaged areas shown on plans. Damaged areas shall be sawcut around the perimeter to the depth shown on the plans and carefully removed such that additional damage is not caused to the structure. Contractor shall be responsible for choosing the best method for removal. Methods of removal may include hammers, chisels, grinders, sanders, etc. Any damage caused to the structure by construction operations shall be repaired by the Contractor at no additional cost. Disposal of removed material shall be the responsibility of the Contractor and shall also be included in this pay item.

Upon the completion of removal, all bonding surfaces including face, edges, and ends shall be smooth except for minor variations and free of raised grain, torn grain, skip, burns, glazing or other deteriorations from the plane surface that might interfere with the contact of sound wood fibers in the mating surfaces. All bonding surfaces shall be free from dust, foreign matter, and exudation, which are detrimental to satisfactory bonding.

The adhesive required to bond the replacement timber(s) in the damaged area(s) shall be rated for exterior use, (waterproof) and conform the requirements of ANSI 405 and ASTM D-2559-90. The Contractor shall submit the name of the adhesive manufacturer and the name and/or designation of the adhesive for approval by the Owner's Engineer. Expired adhesive will not be permitted to be used unless it is recertified by the manufacturer in writing with a new expiration date. Application and curing time of the adhesive shall follow the recommendations of the manufacturer

All replacement timbers shall have preservative treatment. See BDE provision 80413 "Structural Timber."

Basis of Payment

All labor, materials, tools, equipment, etc. involved in removing damaged areas and furnishing and installing the replacement timber members will be paid for at the contract unit price LUMP SUM for FURNISHING AND ERECTING TIMBER.

HARDWARE

This pay item shall include all metal fastenings and labor required for timber connections, which shall include, but not be limited to; bolts, washers, nuts, lag screws, nails, split rings, shear plates, tie rods, turnbuckles, drift bolts, steel dowels, steel plates used as washers, straightening of metal timber connectors of various designs, anchor plates, clips, and anchor bolts.

Metal timber connectors that are bent as shown in Photos 1-3 (at the end of the specifications) shall be straightened to plan configuration, cleaned and re-galvanized.

All steel except connectors shall be galvanized after fabrication in accordance with AASHTO M232.

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Tie Rods – The length of the rods required should be field verified by the contractor prior to ordering of materials. Tie rods shall have enough such that unsightly undulations in members of structure can be adjusted to be removed. All nuts shall be standard hex nuts with washers.

Bolts – The length specified shall be the length measured under the head plus the grip. The grip is the total thickness of all connected materials exclusive of washers. Any projections which interferes with repair can be cut to ¼” of the nut in the final tightened position. All bolts shall be ASTM A307. Bolts shall have hex heads with hex nuts. The total length of the bolts shall be ½” beyond the nut.

Lag Bolts – Lag bolts shall be installed by turning into place. They may be driven sufficiently to start them into the hole and hold firmly to start the turning. All lag bolts shall be ASTM A307. Lag bolts shall have cut threads. Lag bolts stored at the Grundy County Highway office facility may be used however contractor to verify size and length.

Nuts and Washers – All bolts shall have standard steel washers under the nut only unless head of the bolt does not bear on does not bear on steel. Nuts shall be standard hex nuts.

Nails – Nails shall be the size specified on the drawings and shall be threaded, hardened steel nails.

Split Rings or Shear Plates – See Plans for Material Specification. Contractor may reuse split rings shown in the attached photos as long as they are cleaned and re-galvanized.

Holes for Bolts, Lag Screws – Tight fit requiring forcible driving is not recommended. Bolt holes shall be 1/32” to 1/16” larger than the bolt diameter. Careful centering of the holes is expected. Nuts shall be tightened snugly, nut not so tight as to crush the wood. All lag screws shall have lead holes. The diameter of the hole for the shank shall be the diameter of the shank. The diameter of the hole for the threaded portion shall have a diameter of 70% of the unthreaded shank.

Basis of Payment

All items classed as hardware will be paid for at the contract unit price LUMP SUM for HARDWARE.

TRAFFIC CONTROL AND PROTECTION (SPECIAL)

This work shall be performed in accordance with Section 701 of the Standard Specification for Road and Bridge Construction, the applicable guidelines contained in the National Manual on Uniform Traffic Control Devices for Streets and Highways, Illinois Supplement to the Manual on Uniform Traffic Control Devices, these special provisions, and any special details and Highway Standards contained herein and in the plans.

Special attention is called to Article 107.09 and 107.14 of the Standard Specifications for Road and Bridge Construction and the following Highway Standards relating to traffic control. Old Stage Road shall always have at least one (1) lane open to the travelling public.

Standards:

701011	701201	701301	701306	701311	701336	701901
720001	728001	729001				

Standards shall have additional requirements below:

The contractor shall keep the westbound lane of Old Stage Road open, following IDOT Standard 701201, in order

Local Public Agency	County	Section Number
Grundy County	Grundy	85-03108-00-BR

to make the repairs on the east side of the structure. The lane shall be a minimum 13'-0" wide to accommodate traffic. Traffic control drums shall be removed at the end of each day and the eastbound lane reopened to traffic each night.

General:

On the date that the Contractor begins work, he shall assume responsibility for the normal maintenance of all existing pavements, drives and temporary surfaces within the limits of the improvement. Normal maintenance shall include all repair work deemed necessary by the Engineer but shall not include snow removal operations. This responsibility shall end upon the completion and acceptance of all the pay items in the contract.

Signs:

No bracing shall be allowed on post-mounted signs.

Signs shall be mounted on steel posts using standard 720011, 728001, 729001, or on 4" x 4" wood posts per section 730 of the Standard Specifications for Road and Bridge Construction. Other "break away" corrections can be used if accepted by the FHWA and a corresponding letter is provided to the Engineer.

When covering existing Grundy County Highway signs, no tape shall be used on the reflective portion of the sign.

All regulatory signs shall be maintained at a minimum of 5' bottom.

Plates altering signs shall be the same sheeting as the base sign. No more than one plate per sign shall be used to alter a sign.

Posts left in place without a sign on them and visible shall have a reflector.

Flaggers:

Flaggers shall comply with all requirements contained in the current edition of IDOT's "Flagger Handbook". The flagger equipment listed for flaggers employed by the Illinois Department of Transportation shall apply to all flaggers.

When the road is closed to through traffic and it is necessary to provide access for local traffic, all flaggers as shown on the applicable standards will be required. No reduction in the number of flaggers shall be allowed.

This work shall be included in the contract unit price per LUMP SUM for TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

MOBILIZATION

The provisions of Section 671 of the Standard Specifications are not applicable to this Proposal.



DESCRIPTION
Photo of existing hardware stored at county office. Metal Connectors and plates shown attached to original timber.

1) Side photo of Metal Connectors including Lag Bolts, Split Rings, and Plates



DESCRIPTION
Photo on top of existing beam looking down on Metal Connectors, Lag Bolts, and Split Rings.

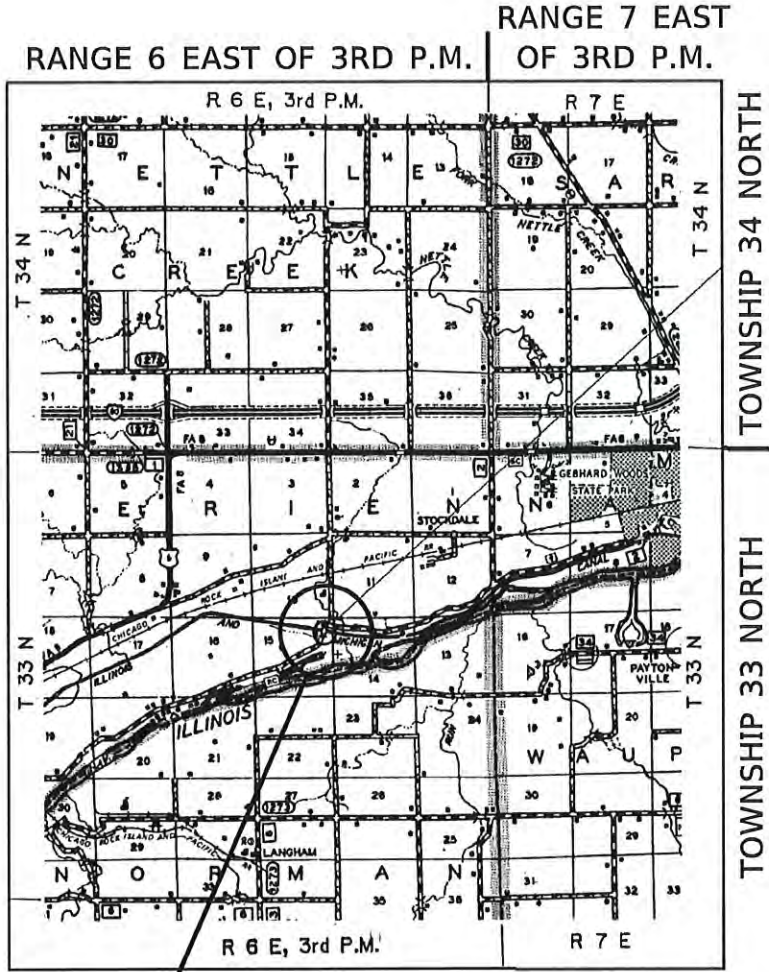
2) Top photo of Galvanized Metal Connectors



DESCRIPTION
Photo along end of existing timbers looking at end of Metal Connection elements

3) End photo of Galvanized Metal Connectors

LOCATION MAP



BRIDGE LOCATION

OLD STAGECOACH ROAD (FIVE MILE BRIDGE)
 OVER I & M CANAL
 SECTION NO. 85-03108-00-BR
 EXISTING S.N. 008-4096

GRUNDY COUNTY ILLINOIS

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing and Erecting Timber	L. Sum	7
Hardware	L. Sum	7
Traffic Control and Protection (Special)	L. Sum	7

GENERAL NOTES:
See Sheet 2 of 3 for Detail A.

DESIGN STRESSES

FIELD UNITS
 $f_y = 50,000$ psi (Struct. Steel A270, Gr. 50)
GLUED-LAMINATED TIMBER UNITS
 $f_{bxx} = 2,400$ psi (Arch. S.P. Com. 24F-V5)
 $f_{byy} = 1,750$ psi (Deck Panels, S.P. Com. 47)
 $f_{bxx} = 2,400$ psi (Floor Beams & Stringers, S.P. Com. 24F-V3)
 $f_{bxx} = 1,800$ psi (Arch Braces & Diaphragms, S.P. Com. 48)
 $f_b = 1,550$ psi (Sawn Lumber, S.P. No. 1 Dense SR)

SEISMIC DATA

S.P.C. "A"
 $A = 0.04$
 $S = 1.0$

HORIZONTAL CURVE DATA

PI STA. = 14+83.68
 $\Delta = 72.21^\circ$
 $D = 184.07'$
 $T = 233.75'$
 $L = 400.69'$
 $E = 76.02'$
 $T.R. = 121'$
 $S.E. = 0.02\%$



DATE: EXPIRES 11/30/20

GENERAL PLAN & ELEVATION
 OLD STAGECOACH ROAD
 (FIVE MILE BRIDGE) OVER I & M CANAL
 SECTION 85-03108-00-BR

GRUNDY COUNTY
 STATION 12+93.29

STRUCTURE NO. 032-4096

I, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE COMPLIES WITH REQUIREMENTS OF THE CURRENT ASBESTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

FIXING VEHICULAR DAMAGED REGIONS
 STRUCTURE NO. 032-4096

GRUNDY COUNTY
 OLD STAGECOACH ROAD OVER I & M CANAL
 2019

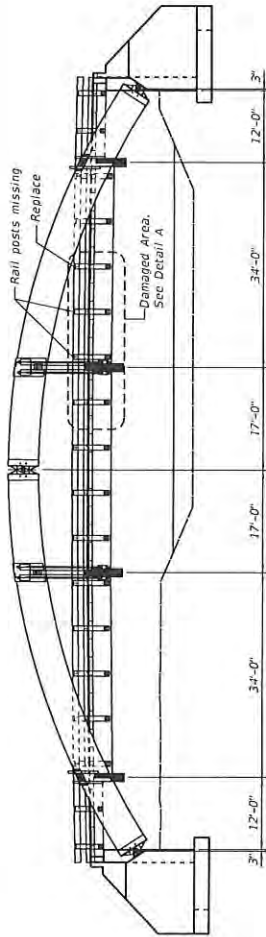
REVISIONS

NO.	DATE	BY	REASON

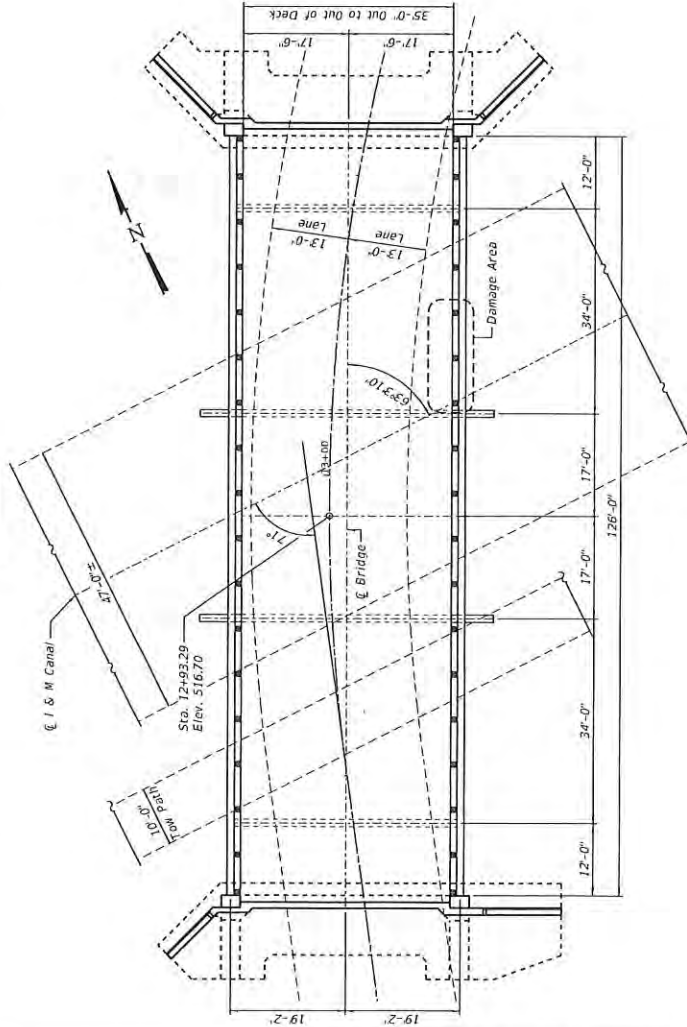
REVISION	DATE	BY	REASON

REVISION	DATE	BY	REASON

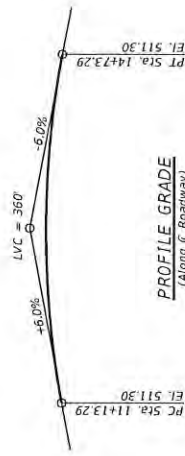
REVISION	DATE	BY	REASON



ELEVATION



PLAN



PROFILE GRADE
(Along $\&$ Roadway)



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

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	75
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	78
3	<input type="checkbox"/> EEO	79
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	89
5	<input type="checkbox"/> Required Provisions - State Contracts	94
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	100
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	101
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	102
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	103
10	<input type="checkbox"/> Construction Layout Stakes	106
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	109
12	<input type="checkbox"/> Subsealing of Concrete Pavements	111
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	115
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	117
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	118
16	<input type="checkbox"/> Polymer Concrete	120
17	<input type="checkbox"/> PVC Pipeliner	122
18	<input type="checkbox"/> Bicycle Racks	123
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	125
20	<input type="checkbox"/> Work Zone Public Information Signs	127
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	128
22	<input type="checkbox"/> English Substitution of Metric Bolts	129
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	130
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	131
25	<input type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	139
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	155
27	<input type="checkbox"/> Reserved	157
28	<input type="checkbox"/> Preventive Maintenance - Bituminous Surface Treatment	158
29	<input type="checkbox"/> Reserved	164
30	<input type="checkbox"/> Reserved	165
31	<input type="checkbox"/> Reserved	166
32	<input type="checkbox"/> Temporary Raised Pavement Markers	167
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	168
34	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	171
35	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	175

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

Local Roads And Streets Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
LRS 1	Reserved	179
LRS 2	<input type="checkbox"/> Furnished Excavation	180
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	181
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	182
LRS 5	<input checked="" type="checkbox"/> Contract Claims	183
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	184
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	190
LRS 8	Reserved	196
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	197
LRS 10	Reserved	198
LRS 11	<input checked="" type="checkbox"/> Employment Practices	199
LRS 12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	201
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	203
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	204
LRS 15	<input checked="" type="checkbox"/> Partial Payments	207
LRS 16	<input checked="" type="checkbox"/> Protests on Local Lettings	208
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	209
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	210

BDE SPECIAL PROVISIONS
For the August 2, 2019 and September 20, 2019 Lettings

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

File Name #		Special Provision Title	Effective	Revised
80099	1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
80274	2	<input type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192	3	<input type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	
80173	4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80241	5	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
50261	6	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481	7	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491	8	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531	9	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80404	10	<input type="checkbox"/> Coarse Aggregate Quality for Micro-Surfacing and Cape Seals	Jan. 1, 2019	
80384	11	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
80198	12	<input checked="" type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
80199	13	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293	14	<input type="checkbox"/> Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311	15	<input type="checkbox"/> Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80277	16	<input type="checkbox"/> Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
80261	17	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80387	18	<input type="checkbox"/> Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
80029	19	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
80402	20	<input type="checkbox"/> Disposal Fees	Nov. 1, 2018	
80378	21	<input type="checkbox"/> Dowel Bar Inserter	Jan. 1, 2017	Jan. 1, 2018
80405	22	<input type="checkbox"/> Elastomeric Bearings	Jan. 1, 2019	
*	80415	<input type="checkbox"/> Emulsified Asphalts	Aug. 1, 2019	
80388	24	<input checked="" type="checkbox"/> Equipment Parking and Storage	Nov. 1, 2017	
80229	25	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80304	26	<input type="checkbox"/> Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2017
80246	27	<input type="checkbox"/> Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	Aug. 1, 2018
80398	28	<input type="checkbox"/> Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Jan. 1, 2019
80406	29	<input type="checkbox"/> Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT Projects)	Jan. 1, 2019	
80399	30	<input type="checkbox"/> Hot-Mix Asphalt – Oscillatory Roller	Aug. 1, 2018	Nov. 1, 2018
80347	31	<input type="checkbox"/> Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	Aug. 1, 2018
80383	32	<input type="checkbox"/> Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	Jan. 1, 2019
80392	33	<input checked="" type="checkbox"/> Lights on Barricades	Jan. 1, 2018	
80336	34	<input type="checkbox"/> Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
80411	35	<input type="checkbox"/> Luminaires, LED	April 1, 2019	
80393	36	<input type="checkbox"/> Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	March 1, 2019
80400	37	<input type="checkbox"/> Mast Arm Assembly and Pole	Aug. 1, 2018	
80045	38	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Aug. 1, 2014
80394	39	<input type="checkbox"/> Metal Flared End Section for Pipe Culverts	Jan. 1, 2018	April 1, 2018
80165	40	<input type="checkbox"/> Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
*	80412	<input type="checkbox"/> Obstruction Warning Luminaires, LED	Aug. 1, 2019	
80349	42	<input type="checkbox"/> Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
80371	43	<input type="checkbox"/> Pavement Marking Removal	July 1, 2016	
80390	44	<input checked="" type="checkbox"/> Payments to Subcontractors	Nov. 2, 2017	
80389	45	<input type="checkbox"/> Portland Cement Concrete	Nov. 1, 2017	

	80359	46	<input type="checkbox"/>	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2017
	80300	47	<input type="checkbox"/>	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
	80328	48	<input type="checkbox"/>	Progress Payments	Nov. 2, 2013	
	34261	49	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
*	80157	50	<input type="checkbox"/>	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
	80306	51	<input type="checkbox"/>	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 1, 2019
	80407	52	<input type="checkbox"/>	Removal and Disposal of Regulated Substances	Jan. 1, 2019	
	80395	53	<input type="checkbox"/>	Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
	80340	54	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
	80127	55	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
	80408	56	<input type="checkbox"/>	Steel Plate Beam Guardrail Manufacturing	Jan. 1, 2019	
*	80413	57	<input checked="" type="checkbox"/>	Structural Timber	Aug. 1, 2019	
	80397	58	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	59	<input checked="" type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
*	80317	60	<input type="checkbox"/>	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	Aug. 1, 2019
	80298	61	<input type="checkbox"/>	Temporary Pavement Marking	April 1, 2012	April 1, 2017
	20338	62	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	
	80403	63	<input type="checkbox"/>	Traffic Barrier Terminal, Type 1 Special	Nov. 1, 2018	
	80409	64	<input checked="" type="checkbox"/>	Traffic Control Devices - Cones	Jan. 1, 2019	
	80410	65	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
	80318	66	<input type="checkbox"/>	Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
	80288	67	<input type="checkbox"/>	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
	80302	68	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
*	80414	69	<input type="checkbox"/>	Wood Fence Sight Screen	Aug. 1, 2019	
	80071	70	<input type="checkbox"/>	Working Days	Jan. 1, 2002	

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

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

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80376	Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
80401	Portland Cement Concrete Pavement Connector for Bridge Approach Slab	Aug. 1, 2018	

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

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

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

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

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

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

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

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

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

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

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

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

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

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

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

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

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

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

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

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

Add the following to Section 109 of the Standard Specifications.

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

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

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

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

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

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

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

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

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

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

COMPLETION DATE (VIA CALENDAR DAYS) (BDE)

Effective: April 1, 2008

The Contractor shall complete all work on or before the completion date of this contract which will be based upon 30 calendar days.

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

80198

EQUIPMENT PARKING AND STORAGE (BDE)

Effective: November 1, 2017

Replace the first paragraph of Article 701.11 of the Standard Specifications with the following.

“701.11 Equipment Parking and Storage. During working hours, all vehicles and/or nonoperating equipment which are parked, two hours or less, shall be parked at least 8 ft (2.5 m) from the open traffic lane. For other periods of time during working and for all nonworking hours, all vehicles, materials, and equipment shall be parked or stored as follows.

- (a) When the project has adequate right-of-way, vehicles, materials, and equipment shall be located a minimum of 30 ft (9 m) from the pavement.
- (b) When adequate right-of-way does not exist, vehicles, materials, and equipment shall be located a minimum of 15 ft (4.5 m) from the edge of any pavement open to traffic.
- (c) Behind temporary concrete barrier, vehicles, materials, and equipment shall be located a minimum of 24 in. (600 mm) behind free standing barrier or a minimum of 6 in. (150 mm) behind barrier that is either pinned or restrained according to Article 704.04. The 24 in. or 6 in. measurement shall be from the base of the non-traffic side of the barrier.
- (d) Behind other man-made or natural barriers meeting the approval of the Engineer.”

80388

LIGHTS ON BARRICADES (BDE)

Effective: January 1, 2018

Revise Article 701.16 of the Standard Specifications to read:

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

Circumstance	Lights Required
Daylight operations	None
First two warning signs on each approach to the work involving a nighttime lane closure and “ROUGH GROOVED SURFACE” (W8-I107) signs	Flashing mono-directional lights
Devices delineating isolated obstacles, excavations, or hazards at night (Does not apply to patching)	Flashing bi-directional lights
Devices delineating obstacles, excavations, or hazards exceeding 100 ft (30 m) in length at night (Does not apply to widening)	Steady burn bi-directional lights
Channelizing devices for nighttime lane closures on two-lane roads	None
Channelizing devices for nighttime lane closures on multi-lane roads	None
Channelizing devices for nighttime lane closures on multi-lane roads separating opposing directions of traffic	None
Channelizing devices for nighttime along lane shifts on multilane roads	Steady burn mono-directional lights
Channelizing devices for night time along lane shifts on two lane roads	Steady burn bi-directional lights
Devices in nighttime lane closure tapers on Standards 701316 and 701321	Steady burn bi-directional lights
Devices in nighttime lane closure tapers	Steady burn mono-directional lights
Devices delineating a widening trench	None
Devices delineating patches at night on roadways with an ADT less than 25,000	None
Devices delineating patches at night on roadways with an ADT of 25,000 or more	None

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

Delete the fourth sentence of the first paragraph of Article 701.17(c)(2) of the Standard Specifications.

Revise the first paragraph of Article 603.07 of the Standard Specifications to read:

PAYMENTS TO SUBCONTRACTORS (BDE)

Effective: November 2, 2017

Add the following to the end of the fourth paragraph of Article 109.11 of the Standard Specifications:

“If reasonable cause is asserted, written notice shall be provided to the applicable subcontractor and/or material supplier and the Engineer within five days of the Contractor receiving payment. The written notice shall identify the contract number, the subcontract or material purchase agreement, a detailed reason for refusal, the value of payment being withheld, and the specific remedial actions required of the subcontractor and/or material supplier so that payment can be made.”

80390

"603.07 Protection Under Traffic. After the casting has been adjusted and Class SI concrete has been placed, the work shall be protected by a barricade for at least 72 hours."

80392

STRUCTURAL TIMBER (BDE)

Effective: August 1, 2019

Revise Article 1007.03 of the Standard Specifications to read:

"1007.03 Structural Timber. Structural timber shall be southern pine, Douglas fir (coast region), or other species listed in Chapter 8 of the AASHTO LRFD Bridge Design Specifications.

- (a) Treated and Untreated Timber. When treated material is specified, the method of treatment shall be according to Article 1007.12. There shall be no heartwood requirements for timber which is to receive a preservative treatment and the amount of sapwood shall not be limited. All timber to be used without preservative treatment shall contain not less than 85 percent of heartwood measured on the girth.
- (b) Standard Sizes and Grading Requirements. Rough cut and surfaced timber shall meet the applicable requirements for size and grading according to ASTM D 245 and the Southern Pine Inspection Bureau, the West Coast Lumber Inspection Bureau, or other agencies accredited by the American Lumber Standard Committee, except as provided herein.

All pieces shall be cut to length with square ends.

The dimensions and surfacing requirements will be shown in the contract.

- (c) Strength Requirements. The design strengths for structural timber shall be as shown on the plans, and according to the Southern Pine Inspection Bureau, the West Coast Lumber Inspection Bureau, or other agencies accredited by the American Lumber Standard Committee. Additionally, the design strengths shall be according to Chapter 8 of the AASHTO LRFD Bridge Design Specifications."

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

"This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%"

80391

TRAFFIC CONTROL DEVICES - CONES (BDE)

Effective: January 1, 2019

Revise Article 701.15(a) of the Standard Specifications to read:

“(a) Cones. Cones are used to channelize traffic. Cones used to channelize traffic at night shall be reflectorized; however, cones shall not be used in nighttime lane closure tapers or nighttime lane shifts.”

Revise Article 1106.02(b) of the Standard Specifications to read:

“(b) Cones. Cones shall be predominantly orange. Cones used at night that are 28 to 36 in. (700 to 900 mm) in height shall have two white circumferential stripes. If non-reflective spaces are left between the stripes, the spaces shall be no more than 2 in. (50mm) in width. Cones used at night that are taller than 36 in. (900 mm) shall have a minimum of two white and two fluorescent orange alternating, circumferential stripes with the top stripe being fluorescent orange. If non-reflective spaces are left between the stripes, the spaces shall be no more than 3 in. (75 mm) in width.

The minimum weights for the various cone heights shall be 4 lb for 18 in. (2 kg for 450 mm), 7 lb for 28 in. (3 kg for 700 mm), and 10 lb for 36 in. (5 kg for 900 mm) with a minimum of 60 percent of the total weight in the base. Cones taller than 36 in. shall be weighted per the manufacturer's specifications such that they are not moved by wind or passing traffic.”

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

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

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

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

Grundy County

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets
SPECIAL PROVISION
FOR
CONSTRUCTION AND MAINTENANCE SIGNS

Effective: January 1, 2004
Revised: June 1, 2007

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

701.14. Signs. Add the following paragraph to Article 701.14:

All warning signs shall have minimum dimensions of 1200 mm x 1200 mm (48" x 48") and have a black legend on a fluorescent orange reflectorized background, meeting, as a minimum, Type AP reflectivity requirements of Table 1091-2 in Article 1091.02.

GUIDE BRIDGE SPECIAL PROVISION INDEX/CHECK SHEET

Effective as of the: November 8, 2019 Letting

√	File Name	Title	Effective	Revised
	GBSP4	Polymer Modified Portland Cement Mortar	Jun 7, 1994	Apr 1, 2016
	GBSP12	Drainage System	Jun 10, 1994	Jun 24, 2015
	GBSP13	High-Load Multi-Rotational Bearings	Oct 13, 1988	Apr 1, 2016
	GBSP14	Jack and Remove Existing Bearings	Apr 20, 1994	April 13, 2018
	GBSP15	Three Sided Precast Concrete Structure	Jul 12, 1994	Dec 21, 2016
	GBSP16	Jacking Existing Superstructure	Jan 11, 1993	April 13, 2018
	GBSP17	Bonded Preformed Joint Seal	Jul 12, 1994	Aug 9, 2019
	GBSP18	Modular Expansion Joint	May 19, 1994	Aug 9, 2019
	GBSP21	Cleaning and Painting Contact Surface Areas of Existing Steel Structures	Jun 30, 2003	Aug 9, 2019
	GBSP25	Cleaning and Painting Existing Steel Structures	Oct 2, 2001	Apr 22, 2016
	GBSP26	Containment and Disposal of Lead Paint Cleaning Residues	Oct 2, 2001	Apr 22, 2016
	GBSP28	Deck Slab Repair	May 15, 1995	April 13, 2018
	GBSP29	Bridge Deck Microsilica Concrete Overlay	May 15, 1995	March 1, 2019
	GBSP30	Bridge Deck Latex Concrete Overlay	May 15, 1995	Oct 20, 2017
	GBSP31	Bridge Deck High-Reactivity Metakaolin (HRM) Conc Overlay	Jan 21, 2000	March 1, 2019
	GBSP33	Pedestrian Truss Superstructure	Jan 13, 1998	Dec 29, 2014
	GBSP34	Concrete Wearing Surface	Jun 23, 1994	Oct 4, 2016
	GBSP35	Silicone Bridge Joint Sealer	Aug 1, 1995	Oct 15, 2011
	GBSP45	Bridge Deck Thin Polymer Overlay	May 7, 1997	Feb 6, 2013
	GBSP51	Pipe Underdrain for Structures	May 17, 2000	Jan 22, 2010
	GBSP53	Structural Repair of Concrete	Mar 15, 2006	Aug 9, 2019
	GBSP55	Erection of Curved Steel Structures	Jun 1, 2007	
	GBSP56	Setting Piles in Rock	Nov 14, 1996	Apr 1, 2016
	GBSP59	Diamond Grinding and Surface Testing Bridge Sections	Dec 6, 2004	Mar 29, 2017
	GBSP60	Containment and Disposal of Non-Lead Paint Cleaning Residues	Nov 25, 2004	Apr 22, 2016
	GBSP61	Slipform Parapet	Jun 1, 2007	March 1, 2019
	GBSP67	Structural Assessment Reports for Contractor's Means and Methods	Mar 6, 2009	Oct 5, 2015
	GBSP71	Aggregate Column Ground Improvement	Jan 15, 2009	Oct 15, 2011
	GBSP72	Bridge Deck Fly Ash or GGBF Slag Concrete Overlay	Jan 18, 2011	March 1, 2019
	GBSP75	Bond Breaker for Prestressed Concrete Bulb-T Beams	Apr 19, 2012	
	GBSP77	Weep Hole Drains for Abutments, Wingwalls, Retaining Walls and Culverts	Apr 19, 2012	Oct 22, 2013
	GBSP78	Bridge Deck Construction	Oct 22, 2013	Dec 21, 2016
	GBSP79	Bridge Deck Grooving (Longitudinal)	Dec 29, 2014	Mar 29, 2017
	GBSP81	Membrane Waterproofing for Buried Structures	Oct 4, 2016	March 1, 2019
	GBSP82	Metallizing of Structural Steel	Oct 4, 2016	Oct 20, 2017
	GBSP83	Hot Dip Galvanizing For Structural Steel	Oct 4, 2016	Oct 20, 2017
	GBSP85	Micropiles	Apr 19, 1996	Aug 9, 2019
	GBSP86	Drilled Shafts	Oct 5, 2015	Oct 4, 2016
	GBSP87	Lightweight Cellular Concrete Fill	Nov 11, 2001	Apr 1, 2016
	GBSP88	Corrugated Structural Plate Structures	Apr 22, 2016	April 13, 2018
	GBSP89	Preformed Pavement Joint Seal	Oct 4, 2016	March 1, 2019
	GBSP90	Three Sided Precast Concrete Structure (Special)	Dec 21, 2016	April 13, 2018
	GBSP91	Crosshole Sonic Logging Testing of Drilled Shafts	Apr 20, 2016	Aug 9, 2019
	GBSP92	Thermal Integrity Profile Testing of Drilled Shafts	Apr 20, 2016	

√	File Name	Title	Effective	Revised
	GBSP93	Preformed Bridge Joint Seal	Dec 21, 2016	March 1, 2019
	GBSP94	Warranty for Cleaning and Painting Steel Structures	Mar 3, 2000	Nov 24, 2004
	GBSP95	Bituminous Coated Aggregate Slopewall	April 13, 2018	
	GBSP96	Erection of Bridge Girders Over or Adjacent to Railroads	Aug 9, 2019	

LIST ADDITIONAL SPECIAL PROVISIONS BELOW

The following Guide Bridge Special Provisions have been incorporated into the 2016 Standard Specifications:

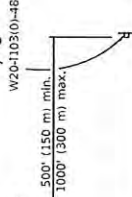
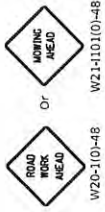
File Name	Title	Std Spec Location
GBSP32	Temporary Sheet Piling	522
GBSP38	Mechanically Stabilized Earth Retaining Walls	522
GBSP42	Drilled Soldier Pile Retaining Wall	522
GBSP43	Driven Soldier Pile Retaining Wall	522
GBSP44	Temporary Soil Retention System	522
GBSP46	Geotextile Retaining Walls	522
GBSP57	Temporary Mechanically Stabilized Earth Retaining Walls	522
GBSP62	Concrete Deck Beams	504
GBSP64	Segmental Concrete Block Wall	522
GBSP65	Precast Modular Retaining Wall	522
GBSP73	Cofferdams	2017 Supp
GBSP74	Permanent Steel Sheet Piling (LRFD)	522
GBSP76	Granular Backfill for Structures	2017 Supp
GBSP80	Fabric Reinforced Elastomeric	1028
GBSP84	Precast, Prestressed Concrete Beams	2017 Supp

The following Guide Bridge Special Provisions have been discontinued or have been superseded:

File Name	Title	Disposition:
GBSP70	Braced Excavation	Use TSRS per Sec 522
GBSP 95	Bridge Deck Concrete Sealer	Use July 1, 2012 version for Repair projects only

Grundy County Prevailing Wage Rates:

This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/01 *et seq.* and/or Public Act 97-0964 ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed. The Illinois Department of Labor (IDOL) publishes the prevailing wage rates on its website at <https://www2.illinois.gov/idol/Pages/default.aspx>. The IDOL revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the IDOL web site for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the IDOL website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, including but not limited to, all wage requirements and notice and record keeping duties.



Varies ①



Varies ①



500' (150 m) min.
1000' (300 m) max.



For contract construction projects



For maintenance and utility projects

TYPICAL APPLICATIONS

Shoulder work
Utility operations

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 (1.6 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.

SYMBOLS

Work area



Sign



● Flagger with traffic control sign when required

**OFF-RD MOVING OPERATIONS,
2L, 2W, DAY ONLY**

STANDARD 701011-04

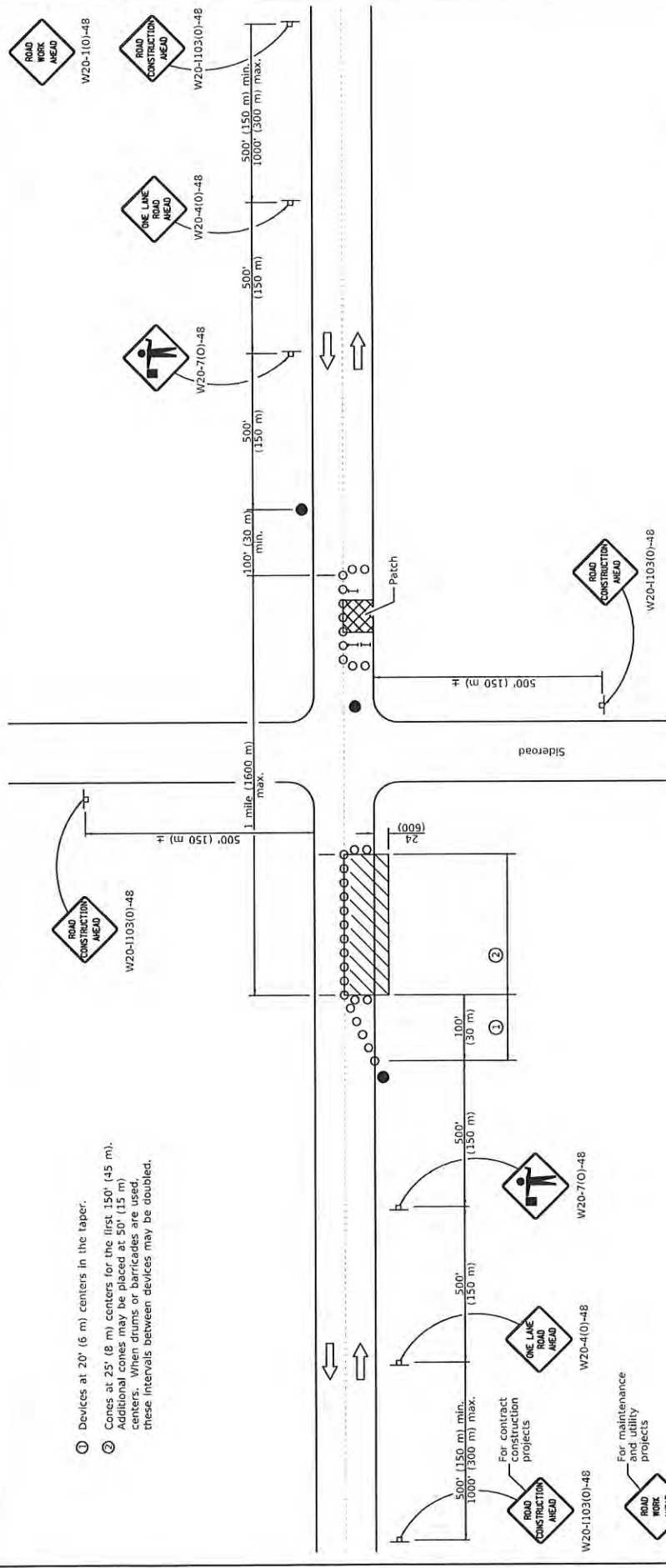
DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

Illinois Department of Transportation

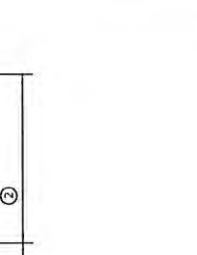
APPROVED: [Signature] 7/14
 ENGINEER OF DESIGN AND ENVIRONMENT

APPROVED: [Signature] 3/14
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED: 7/14
 1-1-97



- ① Devices at 20' (6 m) centers in the taper.
- ② Cones at 25' (8 m) centers for the first 150' (45 m). Additional cones may be placed at 50' (15 m) centers. When drums or barricades are used, these intervals between devices may be doubled.



- For contract construction projects
- For maintenance and utility projects

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.

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

- TYPICAL APPLICATIONS**
- Isolated patching
 - Utility operations
 - Storm sewer
 - Culverts
 - Cable placement

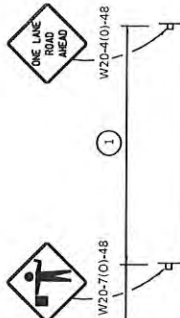
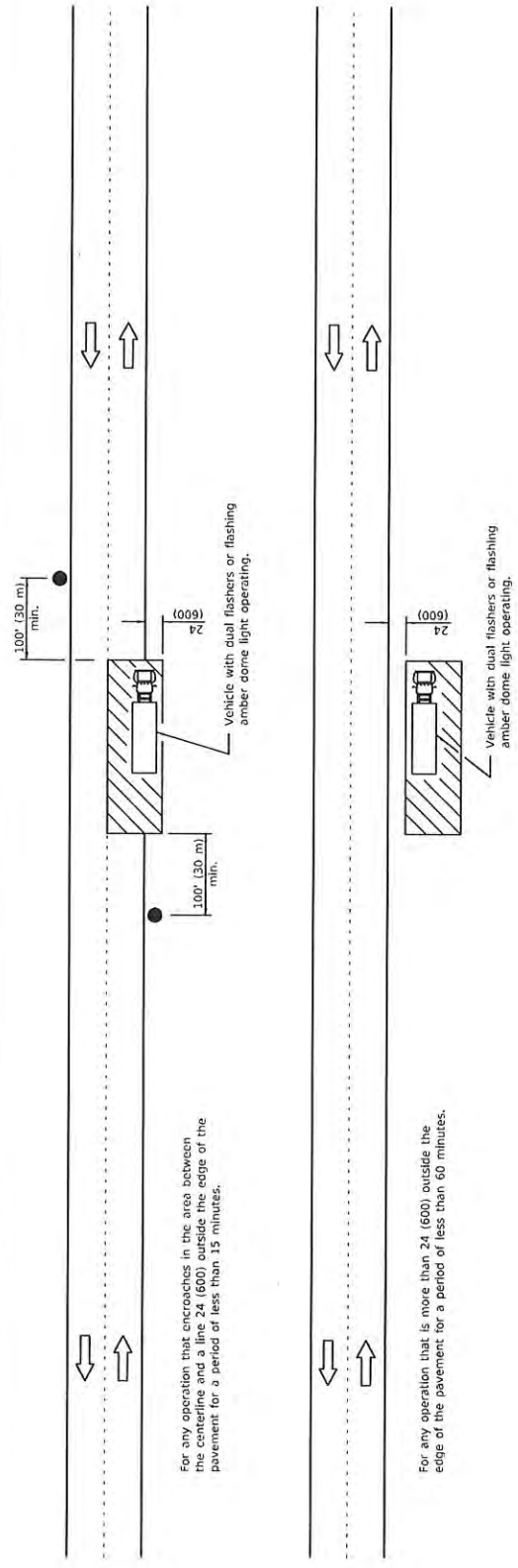
DATE		REVISIONS	
1-1-19		Revised device spacing in taper.	
1-1-11		Revised flagger sign.	
LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH			
STANDARD 701201-05			

Illinois Department of Transportation

APPROVED: *Ernst Ott* JUN 21 2019
ENGINEER OF SAFETY, WORK, AND ENGINEERING

APPROVED: *Seif* JUN 21 2019
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)

① = Refer to SIGN SPACING table for distances.

SYMBOLS

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

TYPICAL APPLICATIONS

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

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

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

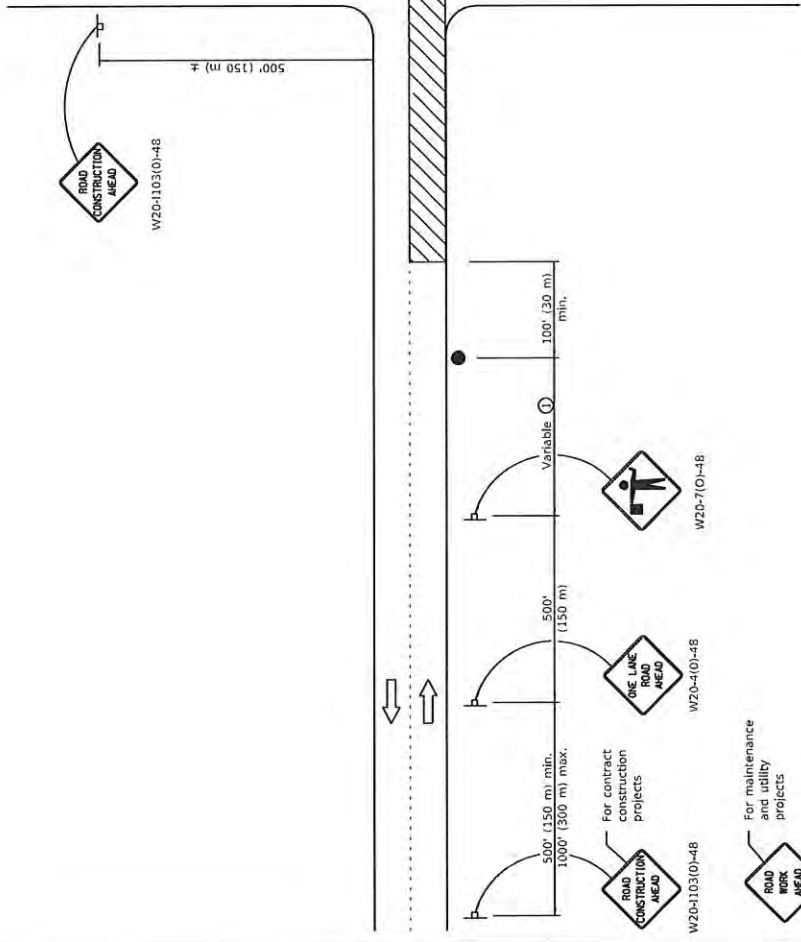
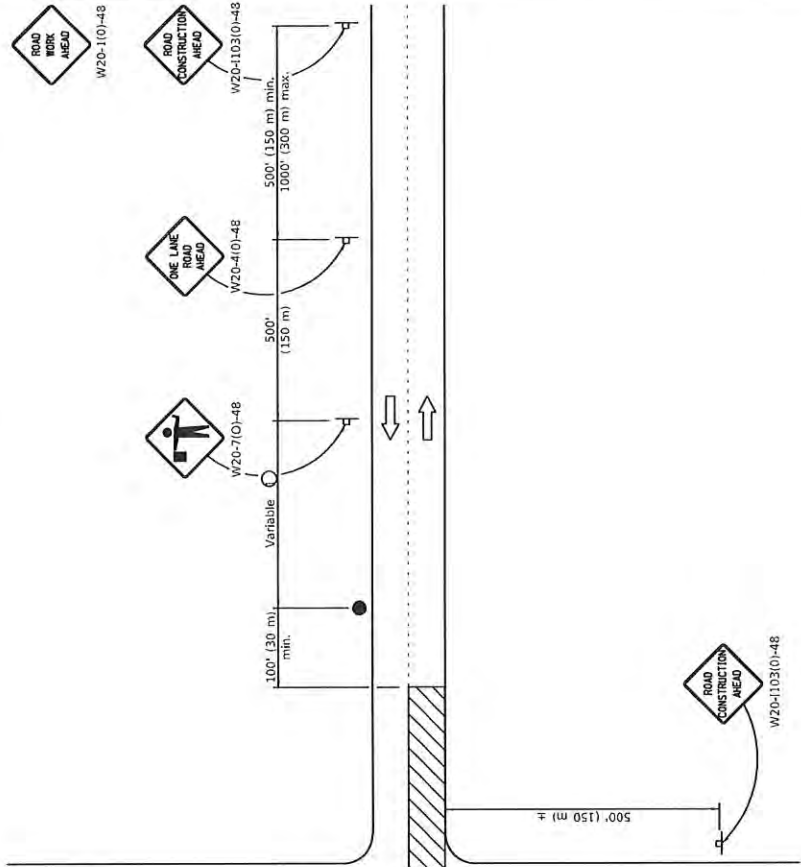
DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

STANDARD 701301-04

ILLINOIS Department of Transportation

ISSUED 1-1-97

APPROVED: *[Signature]* 2011
 REGISTERED PROFESSIONAL ENGINEER
 APPROVED: *[Signature]* 2011
 ENGINEER OF DESIGN AND ENVIRONMENT



GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities are in or on the roadway or on the shoulder of the roadway where the average speed of movement is greater than 1/2 mph (1 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.

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.

TYPICAL APPLICATIONS

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

SYMBOLS

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

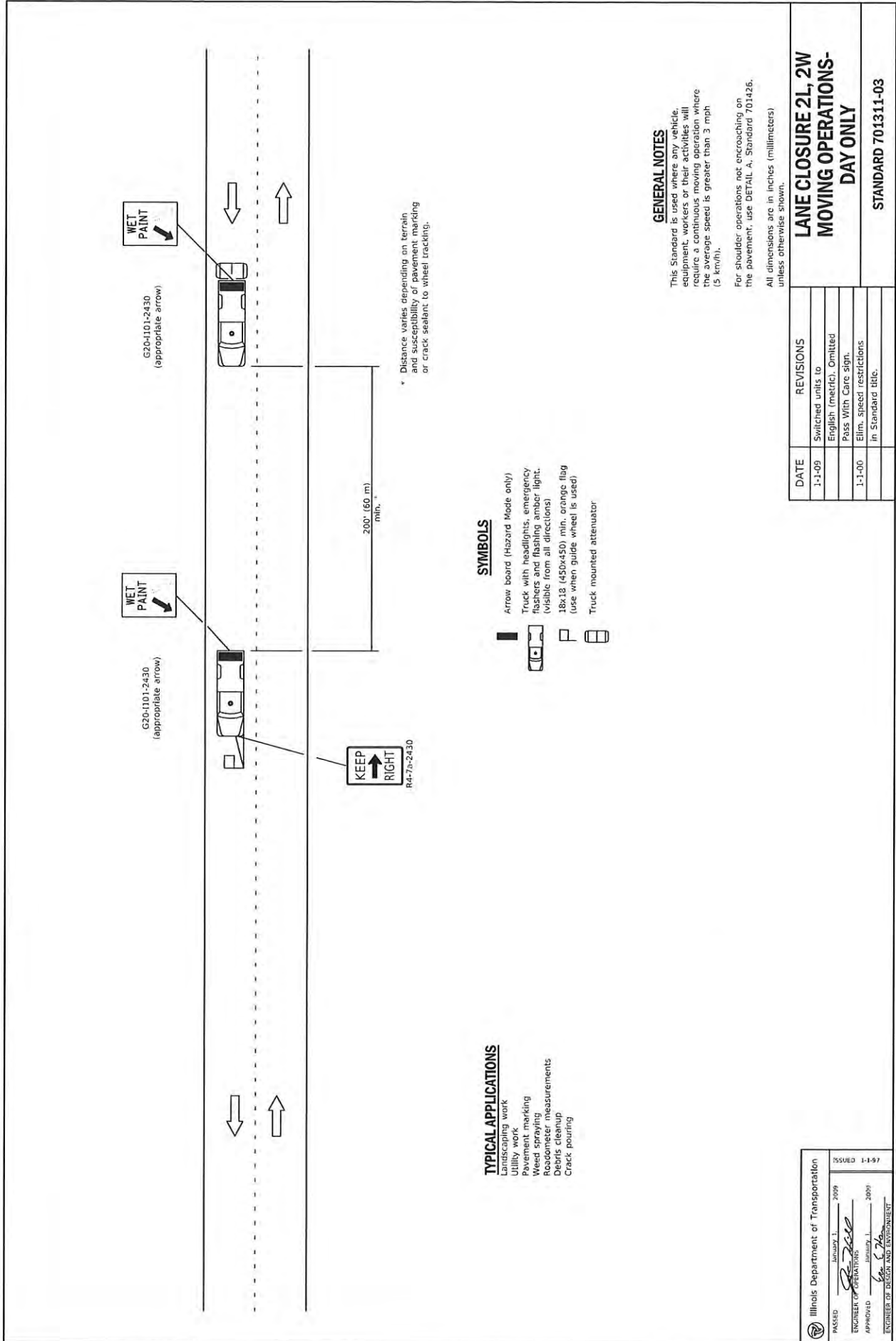
LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH

STANDARD 701306-04

DATE	REVISIONS
1-1-18	Revised lower speed limit for operation to 1/2 mph.
1-1-11	Revised flagger sign.

Illinois Department of Transportation
 PASSED January 1, 2018
 ENGINEER OF SAFETY, PUBLIC AND ENGINEERING
 APPROVED January 1, 2016
 PROJECT MANAGER
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



WET PAINT

G20-101-2430
(appropriate arrow)

WET PAINT

G20-101-2430
(appropriate arrow)

KEEP RIGHT
R4-7b-2430

200' (60 m)
min.

* 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
- Roadometer measurements
- Debris cleanup
- Crack pouring

SYMBOLS

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

GENERAL NOTES

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

For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701426. All dimensions are in inches (millimeters) unless otherwise shown.

LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY	
DATE	REVISIONS
1-1-09	Switched units to English (metric). Omitted Pass With Care sign.
1-1-00	Elim. speed restrictions in Standard title.

STANDARD 701311-03

Illinois Department of Transportation

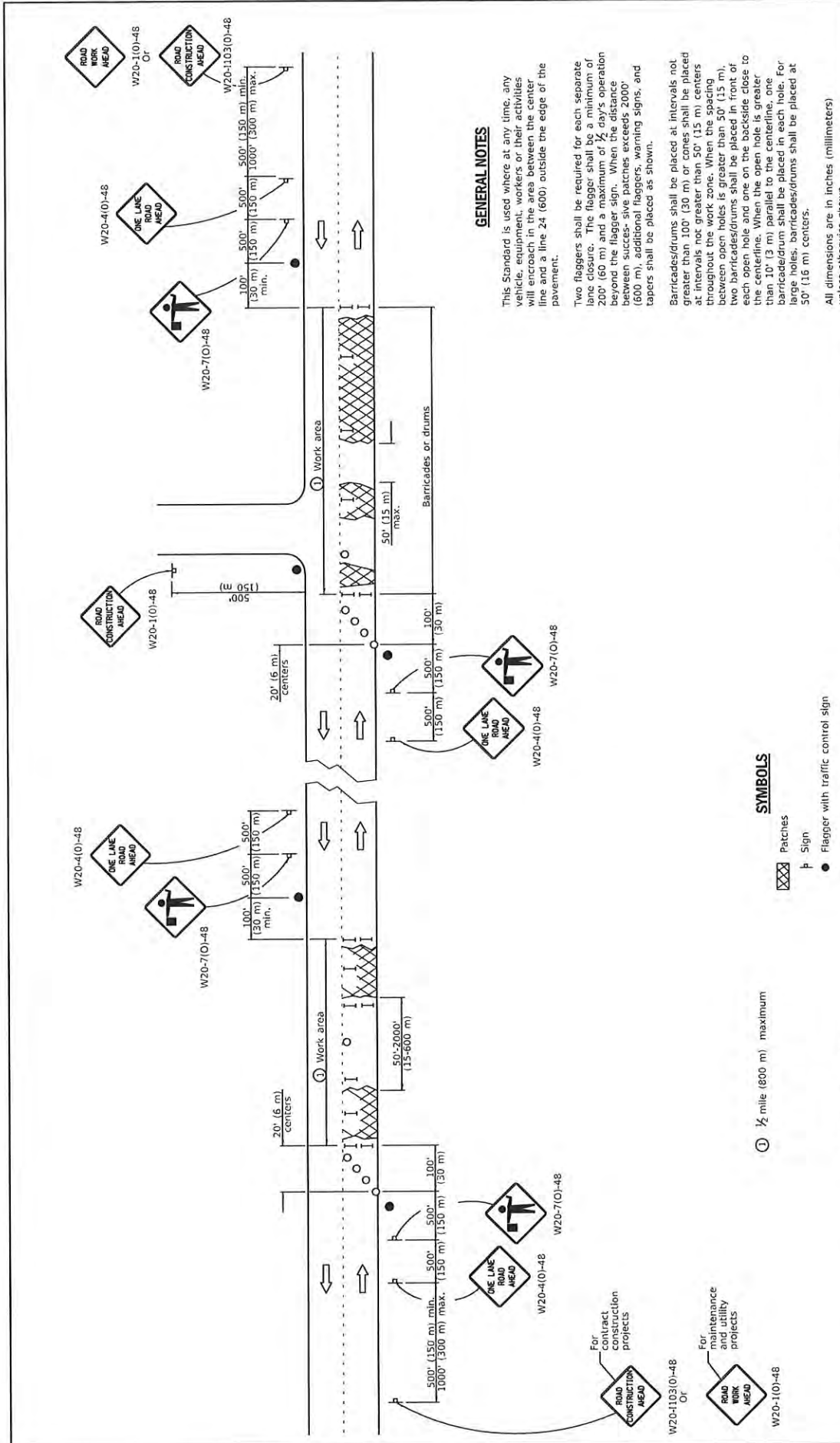
PASSED January 1, 2009

ENGINEER OF OPERATIONS

APPROVED [Signature] January 1, 2009

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



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' (15 m) centers.

SYMBOLS

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

① 1/2 mile (600 m) maximum

TYPICAL APPLICATIONS

Patching

REVISIONS

DATE	REVISIONS
1-1-19	Revised device spacing in taper.
1-1-11	Revised flagger sign.

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

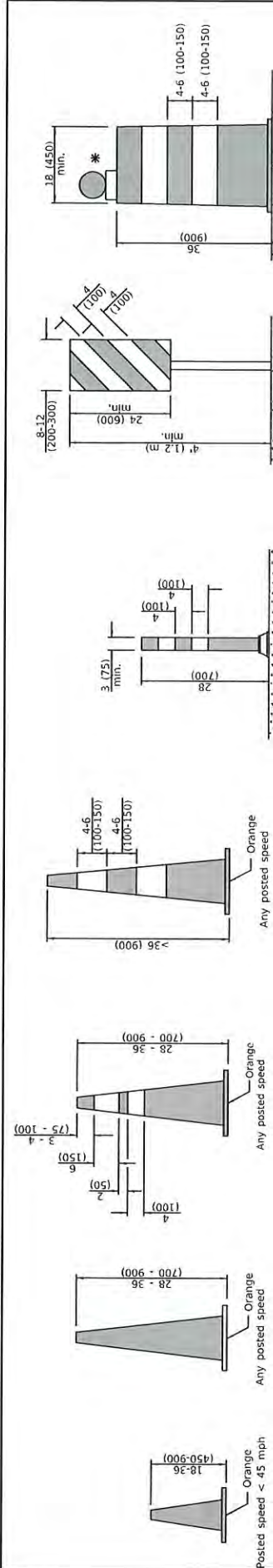
STANDARD 701336-07

Illinois Department of Transportation

ISSUED 1-1-97

APPROVED January 1, 2010

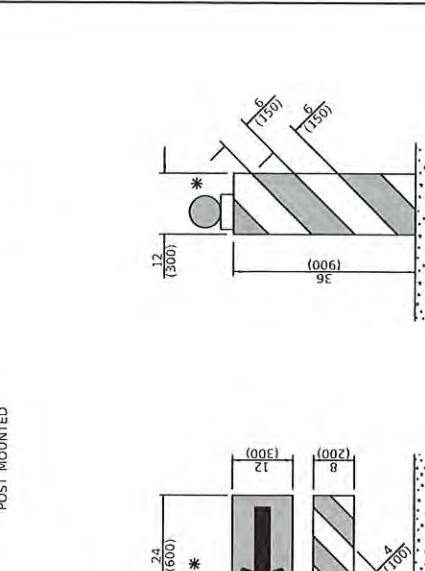
ENGINEER OF DESIGN AND ENVIRONMENT



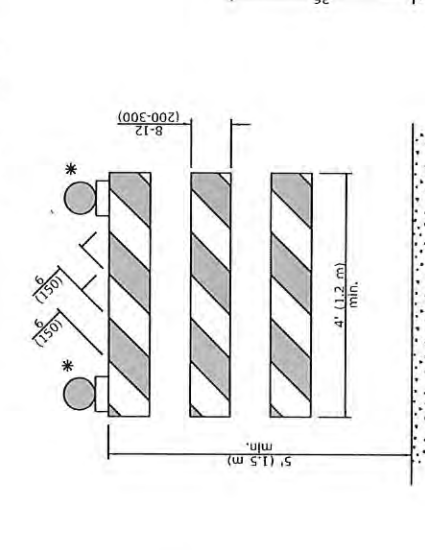
CONES

DAYTIME USE

DAY OR NIGHTTIME USE

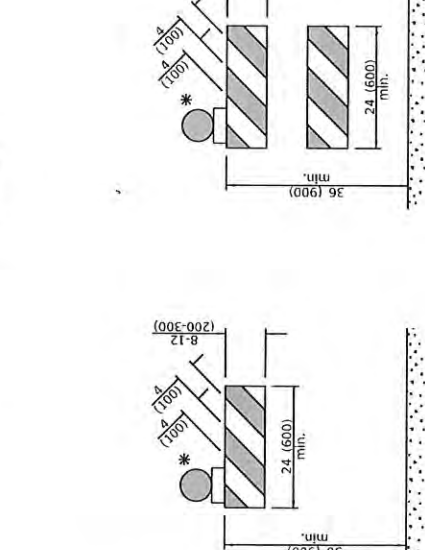


TUBULAR MARKER



VERTICAL PANEL

POST MOUNTED



DRUM



TYPE I BARRICADE



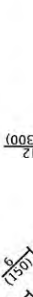
TYPE II BARRICADE



TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE



VERTICAL BARRICADE

* Warning lights (if required)

GENERAL NOTES

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

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

TRAFFIC CONTROL DEVICES

STANDARD 701901-08
(Sheet 1 of 3)

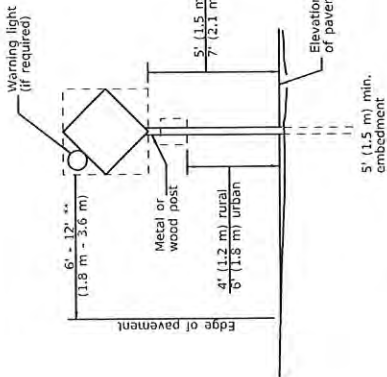
Illinois Department of Transportation

APPROVED: [Signature] January 1, 2019

PROJECT: [Signature] AND ENGINEERING

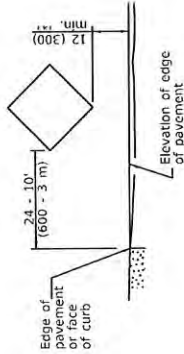
APPROVED: [Signature] January 1, 2019

ENGINEER OF ROAD AND ENVIRONMENT



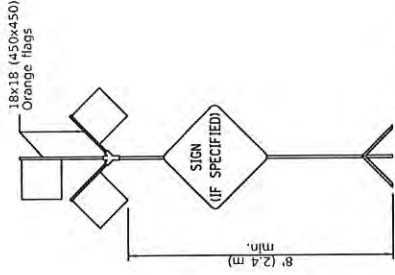
POST MOUNTED SIGNS

** When curb or paved shoulder sign 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 completely above the devices.



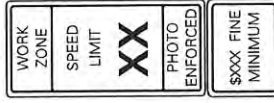
HIGH LEVEL WARNING DEVICE

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

END CONSTRUCTION
G20-1105(0)-6024

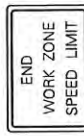
This sign/flag is required for all projects 2 miles (3200 m) or more in length.
ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.
END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).
Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



W21-1115(0)-3618
R2-1-3648
R10-1109p-3618 ***
R2-1106p-3618

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

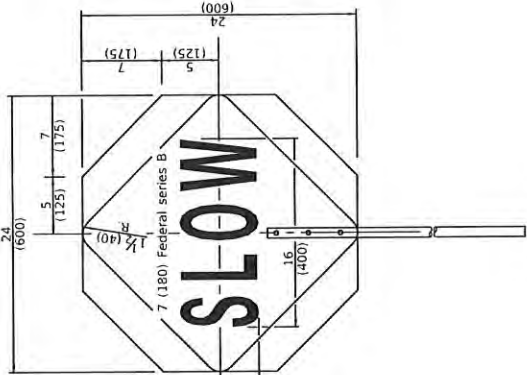
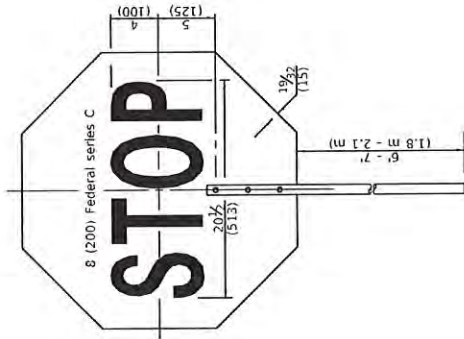


G20-1103-6036

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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

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



W12-1103-4848

WIDTH RESTRICTION SIGN

XX-XX" width and X miles are variable.

FLAGGER TRAFFIC CONTROL SIGN

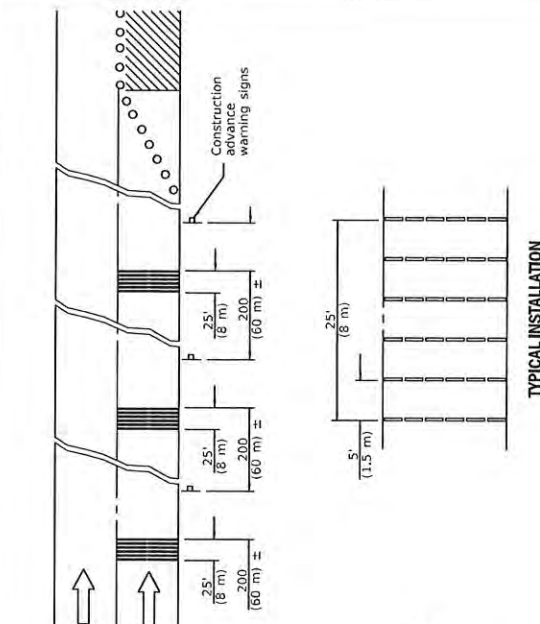
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

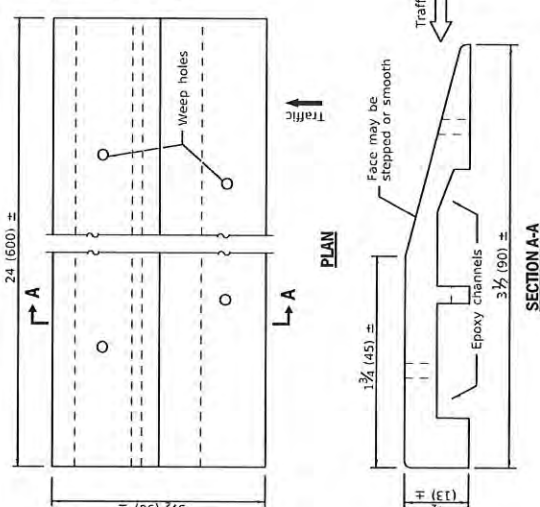
STANDARD 701901-08

Illinois Department of Transportation
 Approved January 1, 2019
 Christopher J. ...
 ENGINEER OF SAFETY AND ENGINEERING
 APPLICABLE TO ILLINOIS
 ENGINEER OF DESIGN AND ENVIRONMENT

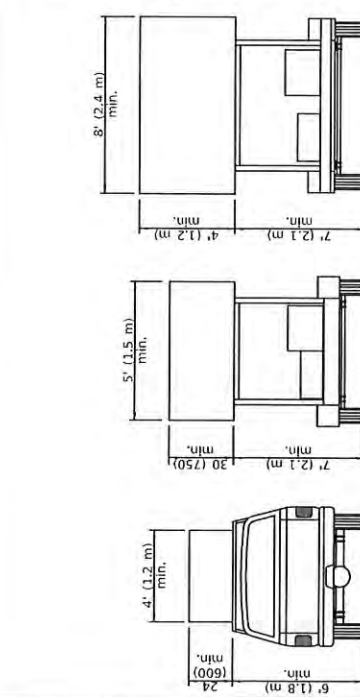
ISSUED 1-1-13



TYPICAL INSTALLATION

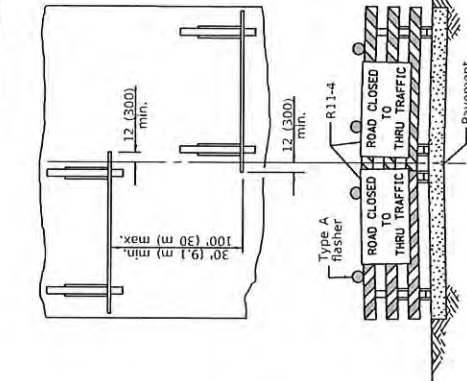


SECTION A-A



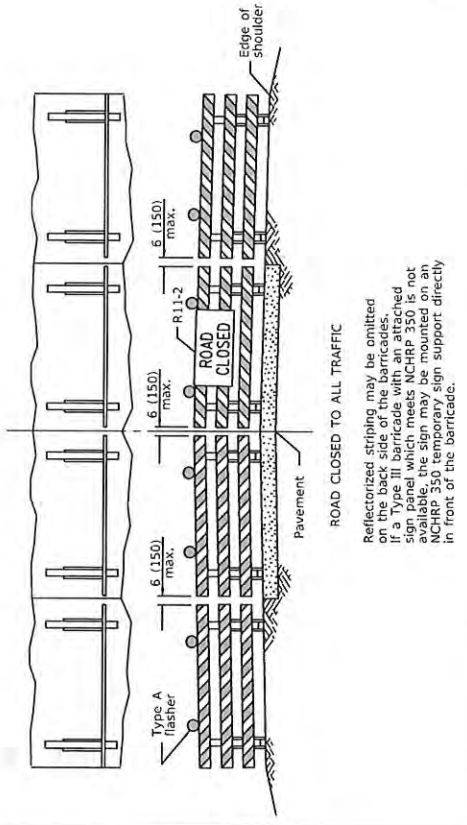
ARROW BOARDS

TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO THRU TRAFFIC

ReflectORIZED striping shall appear on the back side of the barricades. Type III barricades with attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.



ROAD CLOSED TO ALL TRAFFIC

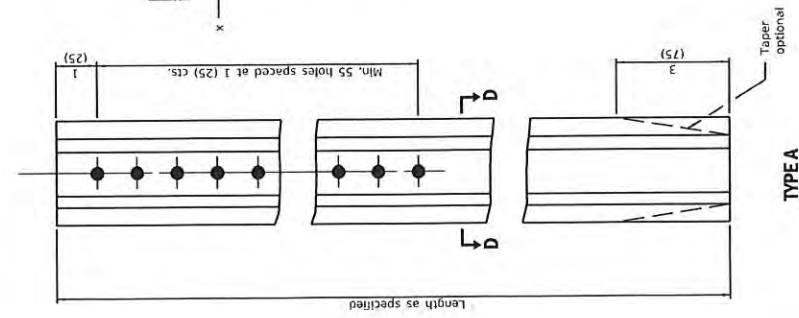
ReflectORIZED striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

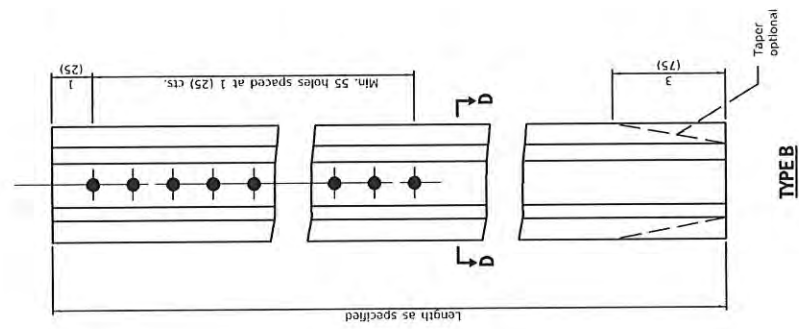
Illinois Department of Transportation
 APPROVED: [Signature] January 1, 2019
 ENGINEER OF SAFETY, PHOTO, AND BRIGHTENING
 APPLIED: [Signature] January 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

TRAFFIC CONTROL DEVICES

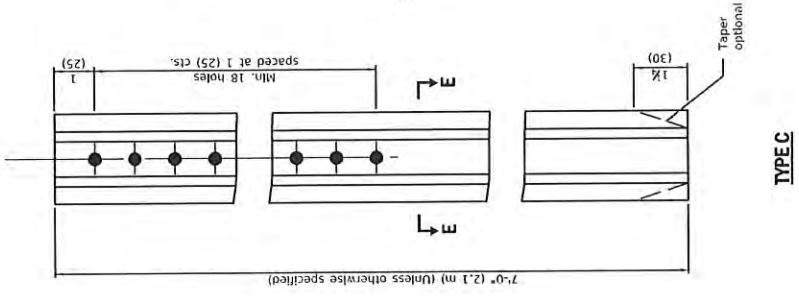
STANDARD 701901-08
 (Sheet 3 of 3)



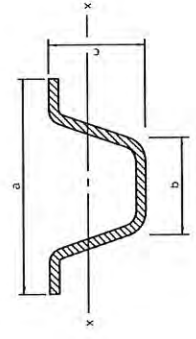
TYPE A



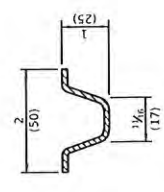
TYPE B



TYPE C



SECTION D-D



SECTION E-E

Steel - 1.12 lbs./ft. (1.67 kg/m)

GENERAL NOTES
 Dimensions shown for cross sections are minimum.
 All holes are $\frac{1}{8}$ (10).

Sxx is the minimum section modulus about the xx axis of the post as shown. For posts in which holes are punched or drilled for more than half their length, Sxx shall be computed for the net section.
 All dimensions are in inches (millimeters) unless otherwise shown.

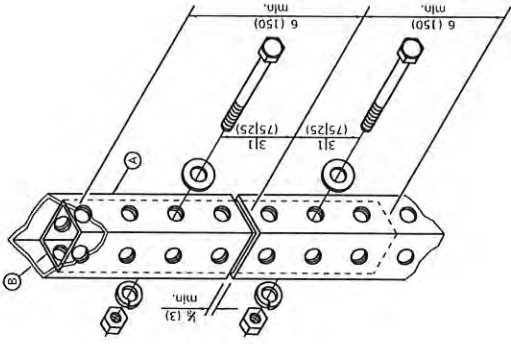
	a	b	c	Sxx in. ² (mm ²)	lbs./ft. (kg/m)
TYPE A	Steel 3/8 (76)	1/8 (21)	1/8 (21)	0.225 (0.594)	2.03 (2.90)
	Aluminum 3/8 (76)	1/8 (21)	1/8 (21)	0.425 (1.083)	0.54 (0.75)
TYPE B	Steel 3/4 (91)	1/8 (21)	1/8 (21)	0.343 (0.868)	3.00 (4.46)
	Aluminum 3/4 (91)	1/8 (21)	1/8 (21)	0.868 (2.193)	1.30 (1.83)

Illinois Department of Transportation
 PASSED: January 1, 2009
 ENGINEER OF PUBLIC AND PRIVATE WORKS
 APPROVED: January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

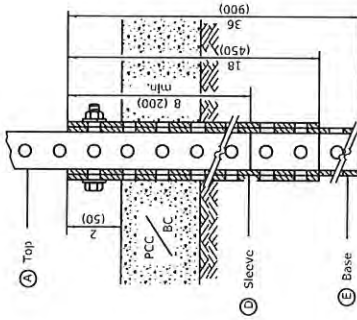
DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-97	Renum. Standard 2350-4.

METAL POSTS FOR SIGNS, MARKERS & DELINEATORS

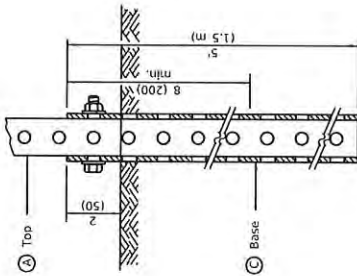
STANDARD 720011-01



SPICE DETAIL



PAVEMENT MOUNT DETAIL



GROUND MOUNT DETAIL

A	2 x 2 x var. (51 x 51 var.)
B	1 1/2 x 1 1/2 x 12 (44 x 44 x 300)
C	2 1/2 x 2 1/2 x 60 (57 x 57 x 1500)
D	2 1/2 x 2 1/2 x 18 (64 x 64 x 450)
E	2 1/2 x 2 1/2 x 36 (57 x 57 x 900)

GENERAL NOTES

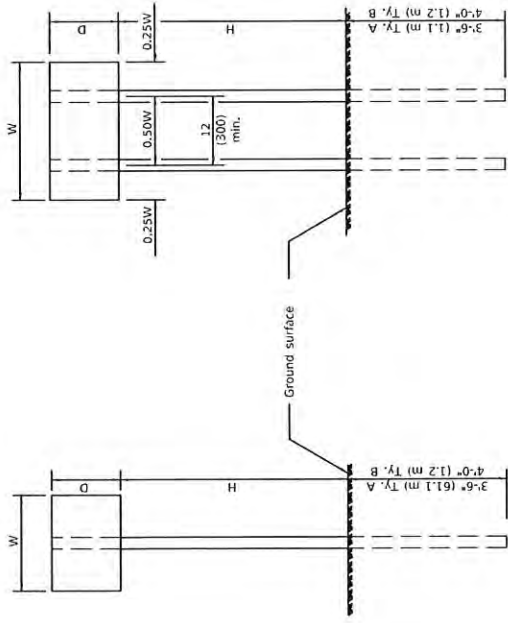
All bolts $\frac{3}{8}$ " (M10) hex head zinc or cadmium plated.
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation ISSUED 1-1-07	JANUARY 1, 2004 ENGINEER OPERATIONS <i>[Signature]</i>
	APPROVED JANUARY 1, 2009 <i>[Signature]</i> ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	New Standard. Used to be part of Standard 720006.

TELESCOPING STEEL SIGN SUPPORT

STANDARD 728001-01



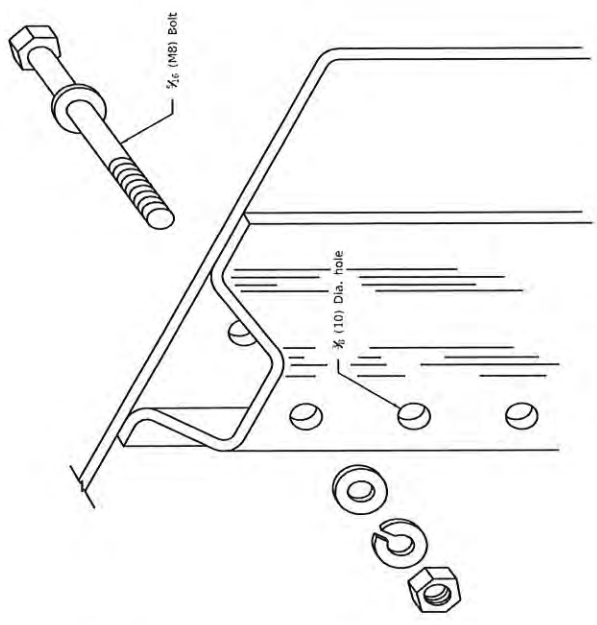
ONE POST INSTALLATION

TWO POST INSTALLATION



For diamond shaped sign with side S as shown, use required post size for a sign with $W = 0.75$ and $D = 1.45$.

SIGN DEPTH (D)	H	NO. AND TYPE OF POST FOR SIGN WIDTH (W)					
		12 (300)	18 (450)	24 (600)	30 (750)	36 (900)	
18 (450)	5'-0" (1.5 m)	A	A	A	A	A	A
	5'-6" (1.7 m)	A	A	A	A	A	A
	6'-0" (1.8 m)	A	A	A	A	A	A
	6'-6" (2.0 m)	A	A	A	A	A	A
	7'-0" (2.1 m)	A	A	A	A	A	A
	7'-6" (2.3 m)	A	A	A	A	A	A
	8'-0" (2.4 m)	A	A	A	A	A	A
	8'-6" (2.6 m)	A	A	A	A	A	A
	9'-0" (2.7 m)	A	A	A	A	A	A
24 (600)	5'-0" (1.5 m)	A	A	A	A	A	A
	5'-6" (1.7 m)	A	A	A	A	A	A
	6'-0" (1.8 m)	A	A	A	A	A	A
	6'-6" (2.0 m)	A	A	A	A	A	A
	7'-0" (2.1 m)	A	A	A	A	A	A
	7'-6" (2.3 m)	A	A	A	A	A	A
	8'-0" (2.4 m)	A	A	A	A	A	A
	8'-6" (2.6 m)	A	A	A	A	A	A
	9'-0" (2.7 m)	A	A	A	A	A	A
30 (750)	5'-0" (1.5 m)	A	A	A	A	A	A
	5'-6" (1.7 m)	A	A	A	A	A	A
	6'-0" (1.8 m)	A	A	A	A	A	A
	6'-6" (2.0 m)	A	A	A	A	A	A
	7'-0" (2.1 m)	A	A	A	A	A	A
	7'-6" (2.3 m)	A	A	A	A	A	A
	8'-0" (2.4 m)	A	A	A	A	A	A
	8'-6" (2.6 m)	A	A	A	A	A	A
	9'-0" (2.7 m)	A	A	A	A	A	A
36 (900)	5'-0" (1.5 m)	A	A	A	A	A	A
	5'-6" (1.7 m)	A	A	A	A	A	A
	6'-0" (1.8 m)	A	A	A	A	A	A
	6'-6" (2.0 m)	A	A	A	A	A	A
	7'-0" (2.1 m)	A	A	A	A	A	A
	7'-6" (2.3 m)	A	A	A	A	A	A
	8'-0" (2.4 m)	A	A	A	A	A	A
	8'-6" (2.6 m)	A	A	A	A	A	A
	9'-0" (2.7 m)	A	A	A	A	A	A
4'-0" (1.2 m)	5'-0" (1.5 m)	A	A	A	A	A	A
	5'-6" (1.7 m)	A	A	A	A	A	A
	6'-0" (1.8 m)	A	A	A	A	A	A
	6'-6" (2.0 m)	A	A	A	A	A	A
	7'-0" (2.1 m)	A	A	A	A	A	A
	7'-6" (2.3 m)	A	A	A	A	A	A
	8'-0" (2.4 m)	A	A	A	A	A	A
	8'-6" (2.6 m)	A	A	A	A	A	A
	9'-0" (2.7 m)	A	A	A	A	A	A



DETAIL OF MOUNTING SIGN TO POST

NOTE: Minimum of 2 bolts per post required.

GENERAL NOTES

DESIGN: Current AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.
 LOADING: for 60 mph (95 km/h) wind velocity with 30% gust factor, normal to sign.
 SOIL PRESSURE: Minimum allowable soil pressure 1.25 tsf (120 kPa).
 See Standard 720011 for details of Types A and B posts.
 All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-97	Renum. Standard 2363-2.

APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

STANDARD 729001-01

Illinois Department of Transportation
 PASSED January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

