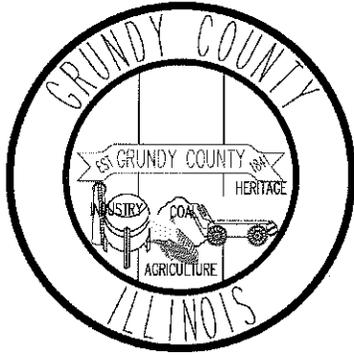


**\*\*\*NOTICE\*\*\***

THIS IS NOT AN OFFICIAL BID DOCUMENT  
FOR PUBLIC REVIEW ONLY

Bidders need to contact the Grundy County Highway Department to request the official bid documents. Bidders must provide a copy of their current Illinois Department of Transportation (IDOT) Certificate of Eligibility to receive official bid documents.

Grundy County Highway Department  
245 N. Route 47  
Morris, Illinois 60450  
Phone: (815) 942-0363  
Fax: (815) 942-4290  
E-mail: [highway@grundyco.org](mailto:highway@grundyco.org)  
Website: [www.grundyco.org/highway/](http://www.grundyco.org/highway/)



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. Various

SECTION NO. 17-00166-00-PP

TYPES OF FUNDS MFT

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  
*Craig Casen*  
County Engineer/Superintendent of Highways

15/2/17  
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
Section Number 17-00166-00-PP
Route Pine Bluff Road

Sealed proposals for the improvement described below will be received at the office of Grundy County Highway Dept.,
245 N. Ill. Rt 47 Morris, Illinois 60450 until 10:00 AM on May 18, 2017

Sealed proposals will be opened and read publicly at the office of Grundy County Highway Dept.
245 N. Ill. Rt 47 Morris, Illinois 60450 at 10:00 AM on May 18, 2017

DESCRIPTION OF WORK

Name 2017 Cape Seal Length: 48026 feet ( 9.10 miles)
Location C.H. C29 Pine Bluff Road
Proposed Improvement Cape Seal

1. Plans and proposal forms will be available in the office of Grundy County Highway Department
245 N. Ill. Rt 47 Morris, Illinois 60450

- 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
Section Number 17-00166-00-PP
Route Pine Bluff Road

1. Proposal of

for the improvement of the above section by the construction of 2017 Cape Seal

a total distance of 48308 feet, of which a distance of 48026 feet, ( 9.100 miles) are to be improved.

2. The plans for the proposed work are those prepared by Grundy County Highway Department and approved by the Department of Transportation on N/A

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

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

5. The undersigned agrees to complete the work within 25 working days or by unless additional time is granted in accordance with the specifications.

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

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

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

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

11. The undersigned submits herewith the schedule of prices on GRUN 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 GRUN 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.



CONTRACTOR CERTIFICATIONS

County Grundy
Local Public Agency
Section Number 17-00166-00-PP
Route Pine Bluff 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.

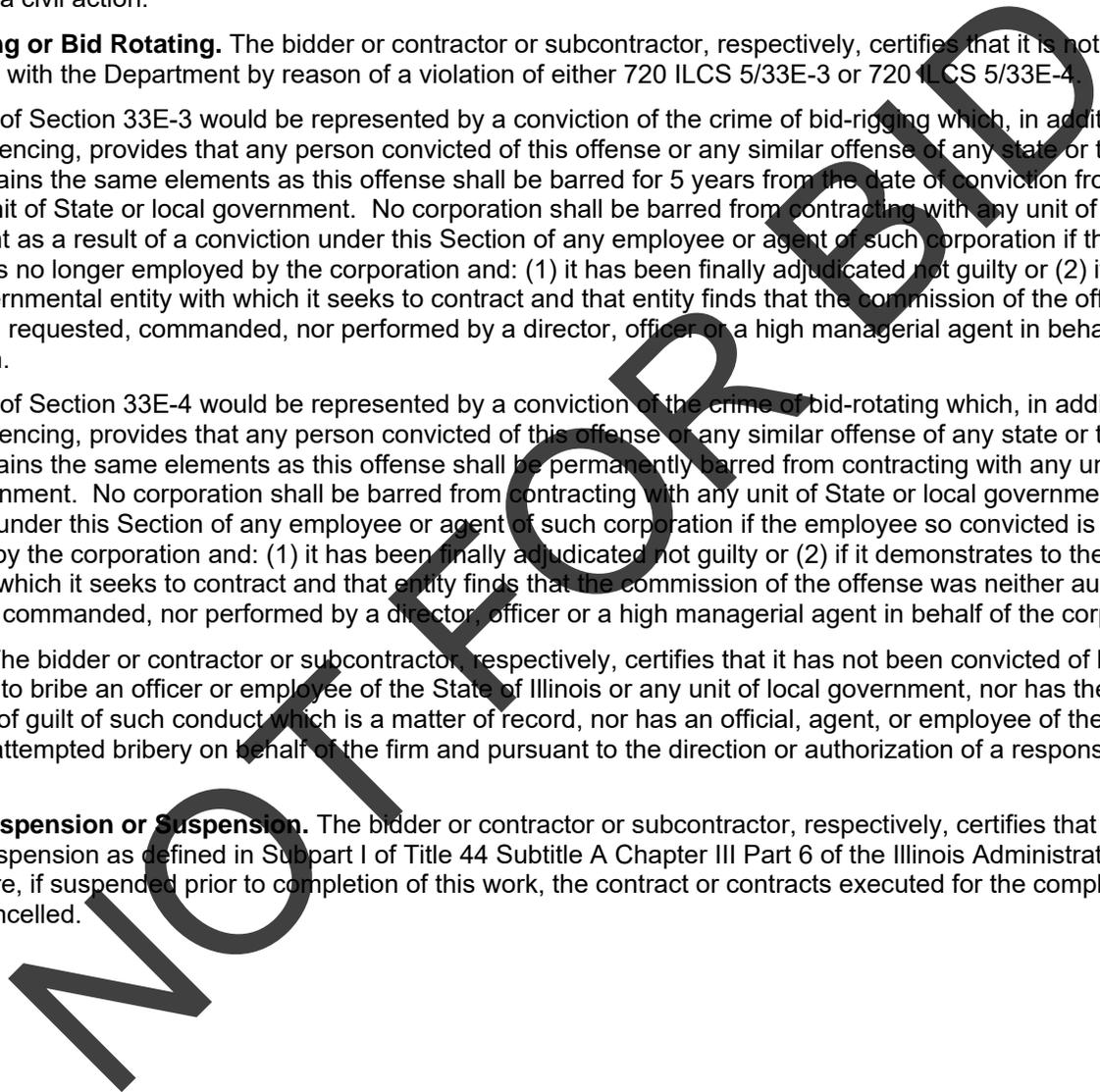
2. Bid-Rigging or Bid Rotating. The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

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 \_\_\_\_\_  
Section Number 17-00166-00-PP  
Route Pine Bluff 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

NOT FOR BID



**Local Agency  
Proposal Bid Bond**

Route Pine Bluff Road  
County Grundy  
Local Agency \_\_\_\_\_  
Section 17-00166-00-PP

**RETURN WITH BID**

**PAPER BID BOND**

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

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

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

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

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

**Principal**

\_\_\_\_\_  
(Company Name) \_\_\_\_\_ (Company Name)  
By: \_\_\_\_\_ By: \_\_\_\_\_  
(Signature and Title) (Signature and Title)

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

**Surety**

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

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

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

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

Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_

My commission expires \_\_\_\_\_  
(Notary Public)

**ELECTRONIC BID BOND**

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

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

\_\_\_\_\_  
Electronic Bid Bond ID Code

\_\_\_\_\_  
(Company/Bidder Name)

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
Date



# Apprenticeship or Training Program Certification

**Return with Bid**

Route Pine Bluff Road  
 County Grundy  
 Local Agency \_\_\_\_\_  
 Section 17-00166-00-PP

**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:

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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.

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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.

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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: \_\_\_\_\_

**NOT FOR BID**

RETURN WITH BID



Affidavit of Illinois Business Office

County Grundy  
Local Public Agency \_\_\_\_\_  
Section Number 17-00166-00-PP  
Route Pine Bluff Road

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

I, \_\_\_\_\_ of \_\_\_\_\_, \_\_\_\_\_,  
(Name of Affiant) (City of Affiant) (State of Affiant)

being first duly sworn upon oath, states as follows:

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

\_\_\_\_\_  
(Signature)  
\_\_\_\_\_  
(Print Name of Affiant)

This instrument was acknowledged before me on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(SEAL)

\_\_\_\_\_  
(Signature of Notary Public)



# Illinois Department of Transportation

Bureau of Construction  
2300 South Dirksen  
Parkway/Room 322

## Affidavit of Availability For the Letting of 5/18/2017

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

### Part I. Work Under Contract

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

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

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

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

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

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

**Part III. Work Subcontracted to Others.**

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

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

NOT FOR BID

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

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

\_\_\_\_\_  
 Notary Public

My commission expires \_\_\_\_\_

(Notary Seal)

Signed \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_



## SPECIAL PROVISIONS

The following Special Provisions 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 Specifications and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of **2017 Cape Seal Section # 17-00166-00-PR**, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

### LOCATION OF WORK

This work is located on Pine Bluff Road in Grundy County, Illinois.

### DESCRIPTION OF WORK

This work included in this Section consists in furnishing all labor, equipment and materials for the application of a Bituminous Surface Treatment, Class A-1 followed by a wearing course of Micro Surfacing, Single Pass Type II on the roads and other incidental work necessary to complete this improvement accordance with the plans and specifications for this project.

### PROSECUTION OF WORK

Revise the first sentence of Article 108.03 of the Standard Specifications to read: The Contractor shall begin the work to be performed under this Section not later than ten (10) days after receiving written notice from the Grundy County Engineer.

### BITUMINOUS SURFACE TREATMENT CLASS A-1

**MATERIALS AND RATES OF APPLICATION:** The materials shall be applied on the road in accordance with the applicable portions of Section 403 of the Standard Specifications with the following revisions:

Seal Coat Aggregates - The Seal Coat Aggregates shall be crushed stone as specified in Section 1004 of the Standard Specifications and shall be CA-16.

Revise Article 1004.01(b)6/ of the Standard Specifications to read:

For crushed aggregate, if the material finer than the No. 200 sieve consists of the dust from fracture, essentially free from clay or silt, this percentage shall not exceed 2.0%.

Bituminous Materials - The Bituminous Material shall meet the requirements of Article 403.02 of the Standard Specifications and the grade HFE-90.

	<u>BITUMINOUS MATERIAL</u>	<u>AGGREGATE</u>
Seal Coat	0.35 Gal./Sq.Yd.	25Lbs./Sq.Yd.

**WIDTH OF APPLICATION:** The application shall be applied to one lane (or one half the roadway) at a time as directed by the Engineer.

**APPLICATION OF BITUMINOUS MATERIAL:** The third paragraph of Article 403.10 shall be strictly enforced.

**EQUIPMENT:** The pneumatic-tired roller as specified in Article 403.03 shall be a self-propelled roller in accordance with Article 1101.01 of the Standard Specifications.

**MICRO-SURFACING, SINGLE PASS, TYPE II**

The Micro-Surfacing, Single Pass, Type II shall meet the requirements of the Special Provisions provided herein.

**Description.** This work shall consist of a latex modified asphalt pavement course to fill ruts and/or provide a wearing course for existing pavements.

**Materials.** Unless otherwise specified herein, materials shall meet the requirements of the following Articles of Section 1000-Materials, of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction Adopted April 1, 2016:

Item	Article/Section
(a) Aggregate (Note 1)	1003.01
(b) Mineral Filler (Note 2)	1001
(c) Water	1002
(d) Latex Modified Emulsified Asphalt	1032.06

Note 1. The aggregate shall be 100 percent crushed material and shall be crushed limestone, crushed dolomite, crushed sandstone, crushed air-cooled blast furnace slag or crushed steel slag. When used as a surface course, the aggregate shall conform to the friction requirements of the Illinois Department of Transportation "Wet Pavement Crash Reduction Program".

Note 2. The mineral filler shall be Type 1 portland cement.

**Aggregate Gradation:** When tested in accordance with AASHTO T27 (ASTM C136) and AASHTO T11 (ASTM C117), the target (mix design) aggregate gradation (including mineral filler) shall be within the following bands.

SIEVE SIZE	TYPE II PERCENT PASSING	STOCKPILE TOLERANCE
3/8 (9.5 mm)	100	
# 4 (4.75 mm)	90 – 100	± 5%
# 8 (2.36 mm)	65 – 90	± 5%
# 16 (1.18 mm)	45 – 70	± 5%
# 30 (600 um)	30 – 50	± 5%
# 50 (330 um)	18 – 30	± 4%
#100 (150 um)	10 – 21	± 3%
#200 (75 um)	5 – 15	± 2%

The job mix (target) gradation shall be within the gradation band for the desired type. After the target gradation has been submitted, then the percent passing each sieve shall not vary by more than the stockpile tolerance shown in

the above table for each individual sieve, and still remain within the gradation band. The percent passing shall not go from the high end to the low end of the range for any two consecutive screens.

Unless otherwise approved by the Engineer, all aggregate material shall be stockpiled on a clean paved surface, free of all debris and contaminants. The Engineer shall approve the stockpile location before any material is delivered to the site. After delivery and prior to loading the crushed material into the support vehicles, the material shall be screened to remove any oversize particles and contaminants. The screening device shall be approved by the Engineer prior to material being delivered to the paver.

**Equipment.** Equipment shall meet the requirements of the following.

**Micro-Surfacing Mixing Machine:** The mixing machine shall be a self-propelled continuous flow mixing unit equipped with a chain dragged conveyor belt aggregate delivery system and an interconnected positive displacement gear pump to accurately proportion and deliver ingredients to a revolving multi-blade mixer and discharge the thoroughly-mixed product on a continuous flow basis.

The twin shafted multi-blade pugmill shall be a minimum of 50 inches long. The emulsion shall be introduced above the third point of the mixer to ensure proper premixing of the aggregate, cement, controlled setting additive, and water when the modified emulsified asphalt is added. Blade size and side clearances shall meet the equipment manufacturer's recommendations. The machine shall have sufficient storage capacity for aggregate, emulsified asphalt, mineral filler, and water to maintain an adequate supply to the proportioning control. The machine shall be equipped with self-loading devices which provide for the loading of all materials while continuing to lay micro-surfacing, thereby eliminating unnecessary construction joints. The mixer shall be equipped with a remote forward speed control at the back of the mixing platform so the back operator can control forward speed and mixture level in the paver box.

Individual volume or weight controls for proportioning each material to be added to the mix shall be provided. Each material control device shall be calibrated and properly marked. They shall be accessible for ready calibration and so placed that the Engineer may determine the amount of each material used at any time.

The aggregate feed to the mixer shall be equipped with a revolution counter or similar device so that the amount of aggregate used may be determined at any time.

The emulsion pump shall be the positive displacement type and shall be equipped with a revolution counter or similar device so that the amount of emulsion used may be determined at any time.

The mixing machine shall be equipped with a water pressure system and nozzle type spray bar to provide a water spray immediately ahead of and outside the spreader box. The mixer shall be equipped with four adjustable spray nozzles that can continually moisten the front face of the front and back tires during paving operations. The mixing machine shall be equipped with a fines feeder that provides an accurate metering device or method to introduce a predetermined proportion of mineral filler into the mixer at the same time and location that the aggregate is fed. The fines feeder shall be used whenever mineral filler is a part of the aggregate blend.

**Micro-Surfacing Spreader:** The micro-surfacing spreader shall be a mechanical type squeegee box equipped with paddles mounted on adjustable shaft to continually agitate and distribute the mix throughout the box. The spreader shall be attached to the mixing machine and shall provide sufficient turbulence to prevent the mix from setting in the box or causing excessive side buildups or lumps. The squeegee box shall be equipped with flexible seals attached to the front and rear, and in contact with the pavement surface, to prevent loss of mixture from the box. The micro-surfacing spreader shall follow the existing pavement grade and slope and shall not be rigidly mounted to the paver. An adjustable flexible secondary strike-off screed, capable of following the existing pavement grade and slope, **will be required.** Burlap, polyethylene or other material drag **will not be permitted** as a secondary strike-off. The equipment shall be capable of filling cracks and minor surface irregularities and achieving a uniform surface without causing skips,

lumps, or tears in the finished surface. The spreader box shall follow the existing pavement grade and slope and shall **not** be rigidly mounted to the mixing machine.

**CONSTRUCTION REQUIREMENTS**

**General.** The paving mixture shall be capable of filling up to 1 ½ in. wheel ruts in 1 pass and be capable of field regulation of the setting time. The compatibility of all ingredients of the mix, including the mix set additive, shall be certified by the emulsified asphalt manufacturer.

**Proportioning.** An independent laboratory provided by the Contractor shall develop the Job Mix Formula (JMF) for the paving mixture, shall verify the functioning of the set regulating additives, and shall present certified test results for the Engineer’s approval. The JMF shall have a minimum Marshall Stability of 1800 lb and a flow of 6 to 16 units when tested according to ASTM D 1559 except air drying of the mixture at 70-75 degrees F for three days before reheating and placing the material in the test molds will be permitted. Aggregate in the mixture shall represent material to be used on the project.

Proportions for the JMF shall be within the following limits:

Mineral Aggregate, dry weight (lbs/ sq. yd.)	15-50
Latex Emulsified Asphalt Residue, % by wt. of aggregate	6.0-8.0
Latex Base Modifier with % by wt. of Binder min. of 2.5	As required
Mix Set Additive	As required
Mineral Filler, % by weight of Aggregate depending on weather conditions	0.5-2.5

The engineer shall approve the JMF prior to its use. After approval, the Contractor shall maintain continuous control of the latex modified emulsified asphalt to dry aggregate proportioning to conform to the approved JMF within a tolerance of +/- 2 gal/ ton.

**Weather Limitations.** The mix shall be placed when it is not raining and when the temperature is 50 degrees F and rising, and the forecast temperature for the next 24 hours is above 40 degrees F.

**Surface Preparation.** Prior to applying the mixture, the surface shall be cleaned of vegetation, loose materials, dirt, mud and other objectionable material using a self-propelled mechanical or vacuum sweeper to the satisfaction of the Engineer

Utility appurtenances and concrete curbs, gutters, and pavements shall be protected from the micro-surfacing by a suitable method. Any excessive damage or staining shall be repaired by the Contractor at his/her expense, to the satisfaction of the Engineer.

**Application.** The micro-surfacing shall consist of the application of the surface mix over the entire width of each lane as follows.

Micro-Surfacing Single Pass, Type II; All bituminous paved surfaces shall be covered in one pass to provide a rate of application of not less than 22 lb./sq. yd. of aggregate (dry weight) in the mixture.

The pavement surface shall be pre-wetted by water fogging ahead of the spreader box, as directed by the Engineer. The rate of fogging shall be adjusted during the day based on pavement temperature, surface texture and dryness.

Determinations of application rates shall be from daily readings taken from the material control devices during the progress of the work. The Contractor shall submit a daily "run sheet" for each day's work as soon as all the data is available. The run sheet shall provide a breakdown of the actual meter numbers and quantities of all materials actually used each day.

Micro-surfacing edges and longitudinal seams shall be parallel with, and at the existing pavement edges, lane lines and roadway centerline. On two-pass work, the longitudinal joint on the surface course shall be offset apart from the joint on the bottom course. If the existing pavement edges and seams are not uniform or clearly defined, a string line or other guide will be required.

A smooth, neat seam shall be provided where two passes meet. Excess material shall be immediately removed from the ends of each run. Any damage too, or irregularities in, the micro-surfacing shall be repaired by the Contractor at his/her own expense, as directed by the Engineer. All repairs shall be made with a paver box, except areas designated as hand work areas.

The micro-surfacing shall possess sufficient stability so that premature breaking of the material in the spreader box does not occur. The mixture shall be homogeneous during and following mixing and spreading. It shall be free of excess water or emulsified asphalt and free of segregation of the emulsified asphalt and aggregate fines from the coarser aggregate. Under no circumstances shall water be sprayed directly into the lay-down box while placing micro-surfacing material.

**Excess buildup of hardened material on augers, screeds and spreader box shall be removed every time the paver stops, regardless of reason. If buildup of hardened material on augers, screeds and spreader box is causing excessive streaking, chatter and dry material in the finished surface, paving operations shall stop until the buildup is removed.**

The maximum paving speed shall be 120 fpm.

Those areas inaccessible to the spreader box and other areas approved by the Engineer shall be designated as hand work areas. Adjustments to the additive are permitted to provide a slower setting time when hand spreading is needed. If hand spreading is necessary, the mixture shall be poured in a small windrow along one edge of the surface to be covered and then spread uniformly by a hand squeegee or lute. Hand work areas shall have an appearance consistent with that being placed by the spreader box. Unless otherwise directed by the Engineer, all handwork shall be completed prior to the final pass.

**Mix Consistency and Workmanship.** The finished product shall be uniform in color and composition. No streaks, such as those caused by oversized aggregate or build-up, shall be left in the finished surface. **If excess streaking develops, the work will be stopped until the Contractor takes corrective measures satisfactory to the Engineer.** The Engineer will make inspections of the finished surface, and on any 30 sq. yd. of surface area inspected the Contractor shall comply with the following:

1. No more than four tear marks greater than ½ inch wide and 4 inch long.
2. No tear marks greater than 1 inch wide by 3 inch long.
3. No transverse ripples or longitudinal streaks of 3/16 inch or more in depth.

The longitudinal and transverse joints shall be constructed without any buildups, uncovered areas or unsightly appearance, and shall comply with the following requirements:

1. Longitudinal joints shall have a maximum overlap of 3 inch on adjacent passes and no more than ¼ inch difference in elevation between adjacent passes.
2. Transverse joints shall be constructed with no more than 1/8 inch difference in elevation across the joint.

For each surface variation which exceeds the above tolerances, a deduction will be made in the square yardage measured for payment, which will be 3 sq. yd. per infraction. In all cases, the Engineer reserves the right to require the contractor to repair the entire area affected at his/ her own expense.

**Sampling and Testing.** The Contractor shall be responsible for all sampling and testing, and for furnishing all test results to the Engineer. The Contractor, in the presence of the Engineer, shall take a minimum of two samples per day for extraction/gradation analyses. The samples shall be taken from the pug mill discharge chute using a non-absorptive container. Each sample should weigh from 2.5 to 4 lb. Each sample shall be tested to determine the asphalt content and gradation of aggregate in the mixture. The testing shall be performed according to requirements of the Illinois Department of Transportation "Manual of Instructions for Bituminous Proportioning and Testing".

**Clean Up.** All excess debris, micro-surfacing mix, and materials used for guides and protections associated with the performance of the work shall be removed from the jobsite on a daily basis at the Contractor's expense.

**Opening to Traffic.** Micro-surfacing shall be capable of producing an emulsified asphalt pavement mixture that will cure at a rate which will permit traffic on the pavement within one hour after application without damaging the pavement surface. Any damage done by the traffic to the micro-surfacing shall be repaired by the Contractor at his/her expense.

**Application of Aggregates.** If hand brooming of the ridges or piles of aggregate produces results that are not satisfactory to the Engineer, brooming with a drag shall be required.

**Micro-Surfacing Application.** The Micro-Surfacing shall be applied no earlier than three calendar days and no later than seven calendar days following the application of the seal coat.

#### **Method of Measurement.**

**Contract Quantities.** The requirements for the use of contract quantities shall conform to Article 202.07(a) of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction Adopted April 1, 2016. The work shall be measured in place and the area computed in square yards.

#### **RAISED REFLECTIVE PAVEMENT MARKERS REMOVAL**

The existing raised reflective pavement markers shall be removed prior to commencing the cape seal work. The contractor shall remove all markers in the roadway and shall haul the markers off the project site for disposal. The void that is left shall be filled in with cold patch. The cold patch shall be compacted to the engineer's satisfaction. The cold patch shall fill the void so that it is level with the surrounding pavement. All costs including labor, equipment, material and disposal shall be included in the unit price each for "RAISED REFLECTIVE PAVEMENT MARKER REMOVAL".

#### **MODIFIED URETHANE PAVEMENT MARKING**

Striping shall not be laid prior to 2 weeks after the micro-surface has been laid and had time to set up. The contractor shall have signs up warning drivers that the lanes are not striped while the roadway is unstriped. See Traffic control protection below.

**KEEPING THE ROAD OPEN TO TRAFFIC**

The contractor shall keep the road open to traffic except when required by construction activities as approved by the engineer. When a road closure is necessary, the contractor shall only close one lane of traffic at a given time unless approved by the engineer. The contractor shall use flaggers to control traffic during the lane closures. Flaggers shall also be used for cross roads when lane closures are adjacent to the said side roads. The cost of flaggers shall be included in traffic control protection (see below).

The contractor shall maintain access to private property throughout the limits of the improvement in accordance with the applicable portions of Article 107.09 and Article 107.14 of the Standard Specifications, and as directed by the Engineer.

**TRAFFIC CONTROL PROTECTION**

Traffic control shall be in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Street and Highways, these Special Provisions, and any special details and highway standards contained herein and in the plans, and the Standard Specifications for Traffic Control Items. Special attention is called to article 107.09 and 107.14 of the Standard Specifications for Road and Bridge Construction, the following highway standards relating to traffic control.

Highway Standards:

701306                      701901

The contractor shall post the roadway with "LOOSE GRAVEL" and "SPEED LIMIT 20" signs in accordance with applicable articles of Division 700 of the Standard Specifications. These signs shall be placed at the start and end of the work, near intersecting roadways and then at an average spacing of 0.5 miles. The signs may be removed as soon as the sweeping operation has been completed.

The contractor shall post the roadway with "ROAD CONSTRUCTION AHEAD" and "NO PASSING ZONES NOT MARKED NEXT (XX) MILES" signs in accordance with applicable articles of Division 700 of the Standard Specifications. These signs shall be placed at the start and end of the work and near intersecting roadways. The signs may not be removed until all Pay Items have been completed.

Traffic control shall meet IDOT Standards 701306-03 and 701901-06. All costs for traffic control protection including labor, equipment, and material shall be included in the unit price lump sum "TRAFFIC CONTROL PROTECTION 701306".

**TRAFFIC CONTROL MESSAGE BOARDS**

The contractor shall provide 2 message boards on Pine Bluff Road, 1 week prior to the start of construction. The signs shall be placed at each end of the project for traffic traveling in the direction that is entering the proposed work zone. They shall be used through the completion of construction and striping. The message prior to starting the work shall read:

Message 1A:  
PINE  
BLUFF RD  
CONST.

Message 1B:  
FROM  
RT 47 TO

WILL RD

Message 1C:  
BEGINS  
"date"

While work of the chipping and microsurfacing is ongoing, the follow message shall be used:

Message 2A:  
FREQUENT  
LANE  
CLOSURES

Message 2B:  
AHEAD  
PLEASE  
BE ALERT

Message 2C:  
LANES  
NOT  
STRIPED

After the oil and chipping is completed but prior to microsurfacing and after the microsurfacing but prior to the striping, the following message should be used:

Message 3A:  
LANES  
NOT  
STRIPED

Message 3B:  
NEXT 9  
MILES

Message 3C:  
DRIVE  
WITH  
CARE

The text may be changed at the engineer's discretion. All costs for traffic control message boards including labor, equipment, and material shall be included in the unit price lump sum "TRAFFIC CONTROL PROTECTION 701306".

### MOBILIZATION

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

BDE SPECIAL PROVISIONS  
For the January 20 and March 10, 2017 Lettings

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

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80099	1	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
80274	2	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192	3	Automated Flagger Assistance Device	Jan. 1, 2008	
80173	4	Bituminous Materials Cost Adjustments	Nov. 2, 2006	July 1, 2015
80241	5	Bridge Demolition Debris	July 1, 2009	
5026I	6	Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5048I	7	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5049I	8	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5053I	9	Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80366	10	Butt Joints	July 1, 2016	
80198	11	Completion Date (via calendar days)	April 1, 2008	
80199	12	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293	13	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311	14	Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80277	15	Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
80261	16	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80029	17	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	July 2, 2016
* 80378	18	Dowel Bar Inserter	Jan. 1, 2017	
80229	19	Fuel Cost Adjustment	April 1, 2009	July 1, 2015
80304	20	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Aug. 1, 2014
80246	21	Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2016
80347	22	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	April 1, 2016
80376	23	Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
80367	24	Light Poles	July 1, 2016	
80368	25	Light Tower	July 1, 2016	
80336	26	Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
80369	27	Mast Arm Assembly and Pole	July 1, 2016	
80045	28	Material Transfer Device	June 15, 1999	Aug. 1, 2014
80165	29	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
80349	30	Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
80371	31	Pavement Marking Removal	July 1, 2016	
80298	32	Pavement Marking Tape Type IV	April 1, 2012	April 1, 2016
80377	33	Portable Changeable Message Signs	Nov. 1, 2016	
* 80359	34	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Jan. 1, 2017
80338	35	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	April 1, 2014	April 1, 2016
80300	36	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
80328	37	Progress Payments	Nov. 2, 2013	
3426I	38	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	39	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80306	40	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	April 1, 2016
* 80340	41	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
80127	42	Steel Cost Adjustment	April 2, 2004	July 1, 2015
* 80379	43	Steel Plate Beam Guardrail	Jan. 1, 2017	

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80317	44	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	April 1, 2016
20338	45	Training Special Provisions	Oct. 15, 1975	
80318	46	Traversable Pipe Grate	Jan. 1, 2013	April 1, 2014
* 80381	47	Traffic Barrier Terminal, Type 1 Special	Jan. 1, 2017	
* 80380	48	Tubular Markers	Jan. 1, 2017	
80288	49	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	50	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80289	51	Wet Reflective Thermoplastic Pavement Marking	Jan. 1, 2012	
80071	52	Working Days	Jan. 1, 2002	

The following special provisions are in the 2017 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80360	Coarse Aggregate Quality	Article 1004.01	July 1, 2015	
80363	Engineer's Field Office	Article 670.07	April 1, 2016	
80358	Equal Employment Opportunity	Recurring CS #1 and #5	April 1, 2015	
80364	Errata for the 2016 Standard Specifications	Supplemental	April 1, 2016	
80342	Mechanical Side Tie Bar Inserter	Articles 420.03, 420.05, and 1103.19	Aug. 1, 2014	April 1, 2016
80370	Mechanical Splicers	Article 1006.10	July 1, 2016	
80361	Overhead Sign Structures Certification of Metal Fabricator	Article 106.08	Nov. 1, 2015	April 1, 2016
80365	Pedestrian Push-Button	Article 888.03	April 1, 2016	
80353	Portland Cement Concrete Inlay or Overlay	Recurring CS #34	Jan. 1, 2015	April 1, 2016
80372	Preventive Maintenance – Bituminous Surface Treatment (A-1)	Recurring CS #28	Jan. 1, 2009	July 1, 2016
80373	Preventive Maintenance – Cape Seal	Recurring CS #29	Jan. 1, 2009	July 1, 2016
80374	Preventive Maintenance – Micro-Surfacing	Recurring CS #30	Jan. 1, 2009	July 1, 2016
80375	Preventive Maintenance – Slurry Seal	Recurring CS #31	Jan. 1, 2009	July 1, 2016
80362	Steel Slag in Trench Backfill	Articles 1003.01 and 1003.04	Jan. 1, 2016	
80355	Temporary Concrete Barrier	Articles 704.02, 704.04, 704.05, and 704.06	Jan. 1, 2015	July 1, 2015

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

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

# Check Sheet for Recurring Special Provisions

Adopted January 1, 2017

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	26
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	29
3	<input type="checkbox"/> EEO	30
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	40
5	<input type="checkbox"/> Required Provisions - State Contracts	45
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	51
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos Hot-Mix Asphalt Surface Removal	52
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	53
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	54
10	<input type="checkbox"/> Construction Layout Stakes	57
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	60
12	<input type="checkbox"/> Subsealing of Concrete Pavements	62
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	66
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	68
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	69
16	<input type="checkbox"/> Polymer Concrete	70
17	<input type="checkbox"/> PVC Pipeliner	72
18	<input type="checkbox"/> Bicycle Racks	73
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	75
20	<input type="checkbox"/> Work Zone Public Information Signs	77
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	78
22	<input type="checkbox"/> English Substitution of Metric Bolts	79
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	80
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	81
25	<input type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	89
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	105
27	<input type="checkbox"/> Reserved	107
28	<input type="checkbox"/> Preventive Maintenance - Bituminous Surface Treatment	108
29	<input checked="" type="checkbox"/> Preventive Maintenance - Cape Seal	114
30	<input type="checkbox"/> Preventive Maintenance - Micro-Surfacing	129
31	<input type="checkbox"/> Preventive Maintenance - Slurry Seal	140
32	<input type="checkbox"/> Temporary Raised Pavement Markers	149
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	150
34	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	153

**Check Sheet for  
Local Roads and Streets Recurring Special Provisions**

Adopted January 1, 2017

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		<b>Reserved</b>	158
LRS 2	<input type="checkbox"/>	Furnished Excavation	159
LRS 3	<input checked="" type="checkbox"/>	Work Zone Traffic Control Surveillance	160
LRS 4	<input checked="" type="checkbox"/>	Flaggers in Work Zones	161
LRS 5	<input checked="" type="checkbox"/>	Contract Claims	162
LRS 6	<input checked="" type="checkbox"/>	Bidding Requirements and Conditions for Contract Proposals	163
LRS 7	<input type="checkbox"/>	Bidding Requirements and Conditions for Material Proposals	169
LRS 8		<b>Reserved</b>	175
LRS 9	<input type="checkbox"/>	Bituminous Surface Treatments	176
LRS 10		<b>Reserved</b>	177
LRS 11	<input checked="" type="checkbox"/>	Employment Practices	150
LRS 12	<input checked="" type="checkbox"/>	Wages of Employees on Public Works	152
LRS 13	<input checked="" type="checkbox"/>	Selection of Labor	154
LRS 14	<input type="checkbox"/>	Paving Brick and Concrete Paver Pavements and Sidewalks	155
LRS 15	<input checked="" type="checkbox"/>	Partial Payments	158
LRS 16	<input checked="" type="checkbox"/>	Protests on Local Lettings	159
LRS 17	<input checked="" type="checkbox"/>	Substance Abuse Prevention Program	160
LRS 18	<input type="checkbox"/>	Multigrade Cold Mix Asphalt	161

NOT FOR BID

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:

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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.

NOT FOR BID

**WORKING DAYS (BDE)**

Effective: January 1, 2002

The Contractor shall complete the work within 20 working days.

80071

**NOT FOR BID**

# Grundy County Prevailing Wage for July 2015

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng	
ASBESTOS ABT-GEN	ALL			39.400	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500	
ASBESTOS ABT-MEC	BLD			36.340	38.840	1.5	1.5	2.0	11.47	10.96	0.000	0.720	
BOILERMAKER	BLD			47.070	51.300	2.0	2.0	2.0	6.970	18.13	0.000	0.400	
BRICK MASON	BLD			43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030	
CARPENTER	ALL			44.350	48.790	1.5	1.5	2.0	11.79	16.40	0.000	0.630	
CEMENT MASON	ALL			41.000	43.000	2.0	1.5	2.0	9.900	18.34	0.000	0.500	
CERAMIC TILE FNSHER	BLD			36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000	0.770	
COMMUNICATION TECH	BLD			32.250	33.750	1.5	1.5	2.0	13.42	11.32	0.000	0.720	
ELECTRIC PWR EQMT OP	ALL			46.100	51.100	1.5	1.5	2.0	10.76	14.87	0.000	0.460	
ELECTRIC PWR GRNDMAN	ALL			37.050	52.500	1.5	2.0	2.0	8.630	12.28	0.000	0.370	
ELECTRIC PWR LINEMAN	ALL			47.500	52.500	1.5	2.0	1.5	10.76	14.87	0.000	0.460	
ELECTRICIAN	BLD			40.000	43.600	1.5	1.5	2.0	14.77	16.39	0.000	1.200	
ELEVATOR CONSTRUCTOR	BLD			41.690	46.900	2.0	2.0	2.0	13.57	14.21	3.340	0.600	
GLAZIER	BLD			40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000	0.940	
HT/FROST INSULATOR	BLD			48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000	0.720	
IRON WORKER	ALL			41.500	43.580	2.0	2.0	2.0	10.04	22.81	0.000	0.850	
LABORER	ALL			39.200	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500	
LATHER	ALL			42.520	46.770	1.5	1.5	2.0	13.29	12.76	0.000	0.630	
MACHINIST	BLD			45.350	47.850	1.5	1.5	2.0	7.260	8.950	1.850	0.000	
MARBLE FINISHERS	ALL			32.400	34.320	1.5	1.5	2.0	10.05	13.75	0.000	0.620	
MARBLE MASON	BLD			43.030	47.330	1.5	1.5	2.0	10.05	14.10	0.000	0.780	
MATERIAL TESTER I	ALL			29.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.500	
MATERIALS TESTER II	ALL			34.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.500	
MILLWRIGHT	ALL			44.350	48.790	1.5	1.5	2.0	11.79	16.40	0.000	0.630	
OPERATING ENGINEER	BLD 1			48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 2			46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 3			44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 4			42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 5			51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 6			49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	BLD 7			51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	FLT			36.000	36.000	1.5	1.5	2.0	17.10	11.80	1.900	1.250	
OPERATING ENGINEER	HWY 1			46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 2			45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 3			43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 4			42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 5			41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 6			49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
OPERATING ENGINEER	HWY 7			47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250	
PAINTER	ALL			41.750	46.500	1.5	1.5	1.5	11.50	11.10	0.000	0.770	
PAINTER SIGNS	BLD			33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000	
PILEDRIVER	ALL			44.350	48.790	1.5	1.5	2.0	11.79	16.40	0.000	0.630	
PIPEFITTER	BLD			46.000	49.000	1.5	1.5	2.0	9.000	15.85	0.000	1.780	
PLASTERER	BLD			43.430	46.040	1.5	1.5	2.0	13.05	14.43	0.000	1.020	
PLUMBER	BLD			46.650	48.650	1.5	1.5	2.0	13.18	11.46	0.000	0.880	
ROOFER	BLD			31.410	33.410	1.5	1.5	2.0	8.280	10.54	0.000	0.530	
SHEETMETAL WORKER	BLD			44.720	46.720	1.5	1.5	2.0	10.65	13.31	0.000	0.820	
SIGN HANGER	ALL			22.990	25.290	1.5	1.5	2.0	3.790	2.500	0.000	0.000	
SPRINKLER FITTER	BLD			49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550	
STONE MASON	BLD			43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030	
SURVEY WORKER	-> NOT IN EFFECT			ALL	37.000	37.750	1.5	1.5	2.0	12.97	9.930	0.000	0.500
TERRAZZO FINISHER	BLD			38.040	0.000	1.5	1.5	2.0	10.55	11.22	0.000	0.720	
TERRAZZO MASON	BLD			41.880	44.880	1.5	1.5	2.0	10.55	12.51	0.000	0.940	
TILE MASON	BLD			43.840	47.840	1.5	1.5	2.0	10.55	11.40	0.000	0.990	
TRUCK DRIVER	ALL 1			35.650	36.200	1.5	1.5	2.0	7.250	6.319	0.000	0.250	
TRUCK DRIVER	ALL 2			35.800	36.200	1.5	1.5	2.0	7.250	6.319	0.000	0.250	
TRUCK DRIVER	ALL 3			36.000	36.200	1.5	1.5	2.0	7.250	6.319	0.000	0.250	
TRUCK DRIVER	ALL 4			36.200	36.200	1.5	1.5	2.0	7.250	6.319	0.000	0.250	
TUCKPOINTER	BLD			43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670	

Legend: RG (Region)

TYP (Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers)

C (Class)

Base (Base Wage Rate)

FRMAN (Foreman Rate)

M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.)

OSA (Overtime (OT) is required for every hour worked on Saturday)

OSH (Overtime is required for every hour worked on Sunday and Holidays)

H/W (Health & Welfare Insurance)

Pensn (Pension)

Vac (Vacation)

Trng (Training)

## Explanations

### GRUNDY COUNTY

PLUMBERS & PIPEFITTERS (WEST) - That part of the county West of Rt. 47 excluding the City of Morris.

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

### EXPLANATION OF CLASSES

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

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

### CERAMIC TILE FINISHER

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

### COMMUNICATIONS TECHNICIAN

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

### MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all

material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

### OPERATING ENGINEER - BUILDING

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

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

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

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

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

### OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types; Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges;

Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

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

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

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

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

Class 6. Field Mechanics and Field Welders

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

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

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

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

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

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

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

TERRAZZO FINISHER

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

Other Classifications of Work:

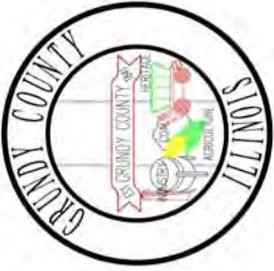
For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1110 for wage rates or clarifications.

LANDSCAPING

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

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

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



## Summary of Length

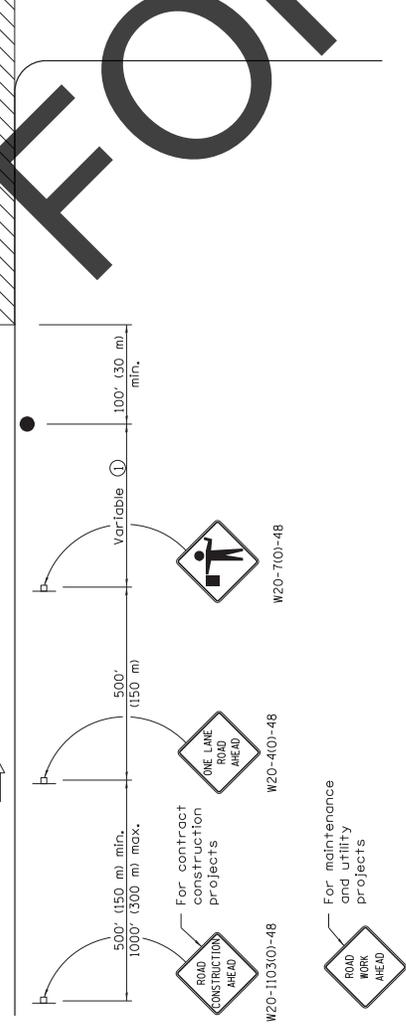
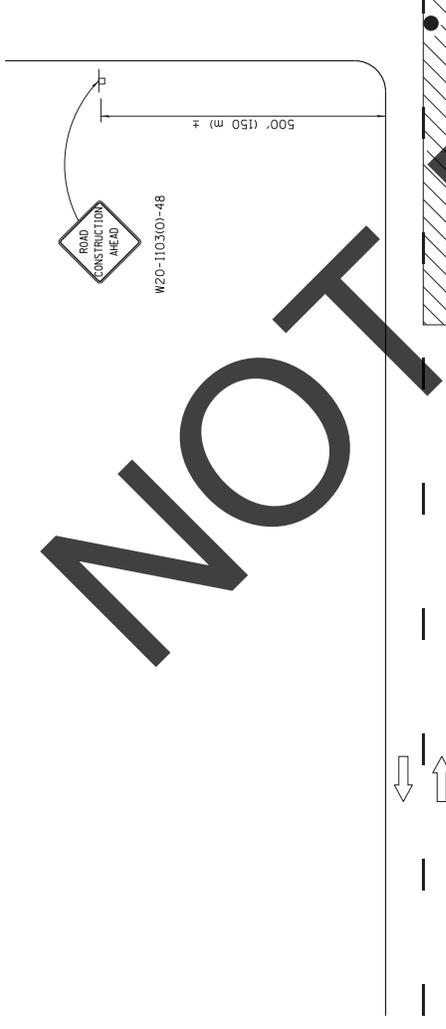
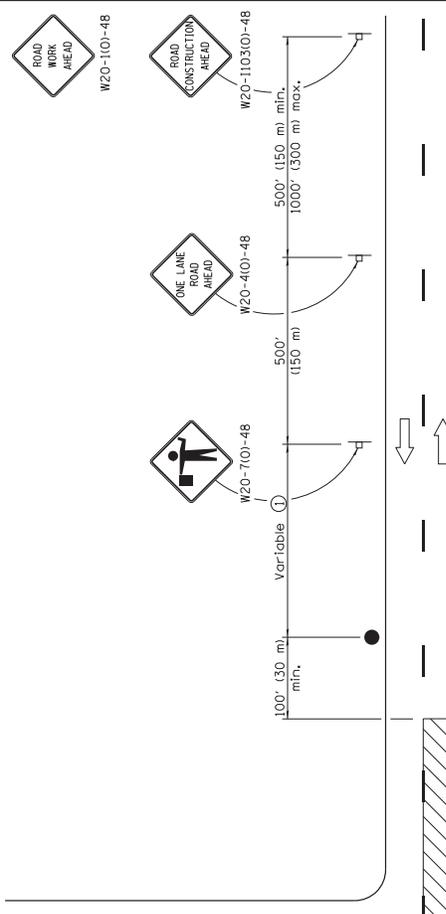
COUNTY Grundy  
 TOWNSHIP \_\_\_\_\_  
 SECTION 17-00166-00-PP  
 ROUTE Pine Bluff Road  
 CONTRACT \_\_\_\_\_  
 PROJECT \_\_\_\_\_  
 JOB NO. \_\_\_\_\_

Date: 3/28/17

SHEET NO. 1 OF 1

STATION TO STATION	WIDTH		LENGTH		EQUATIONS		NET LENGTH		STATION EQUATIONS		LENGTH TO BE IMPROVED		SQUARE YARDS TO BE CONSTRUCTED	
	Feet		Feet		Sta. - Sta.	Feet	Feet	Feet	Sta. - Sta.	Feet	Sta. - Sta.	Feet	Feet	Total
2+20 TO 3+65	60		145				145					145		967
3+65 TO 15+20	Average 47		1,155				1,155					1,155		6,032
15+20 TO 126+25	26		11,105				11,105					11,105		32,081
129+07 TO 226+89	26		9,782				9,782					9,782		28,259
226+89 TO 228+98	Average 37		209				209					209		859
228+98 TO 233+98	48		500				500					500		2,667
233+98 TO 236+07	Average 37		209				209					209		859
236+07 TO 273+46	26		3,739				3,739					3,739		10,802
273+46 TO 275+46	35		200				200					200		778
275+46 TO 277+66	Average 30.5		220				220					220		746
277+66 TO 485+28	26		20,762				20,762					20,762		59,979
							MAILBOXES 0					0		0
							ENTRANCES 0					0		0
							INTERSECTIONS 19					19		2,280
TOTALS			48,026				48,026					48,026		146,308

# NOT FOR BID



**GENERAL NOTES**

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

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

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

**TYPICAL APPLICATIONS**

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

For contract construction projects

For maintenance and utility projects

**REVISIONS**

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

**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 701306-03

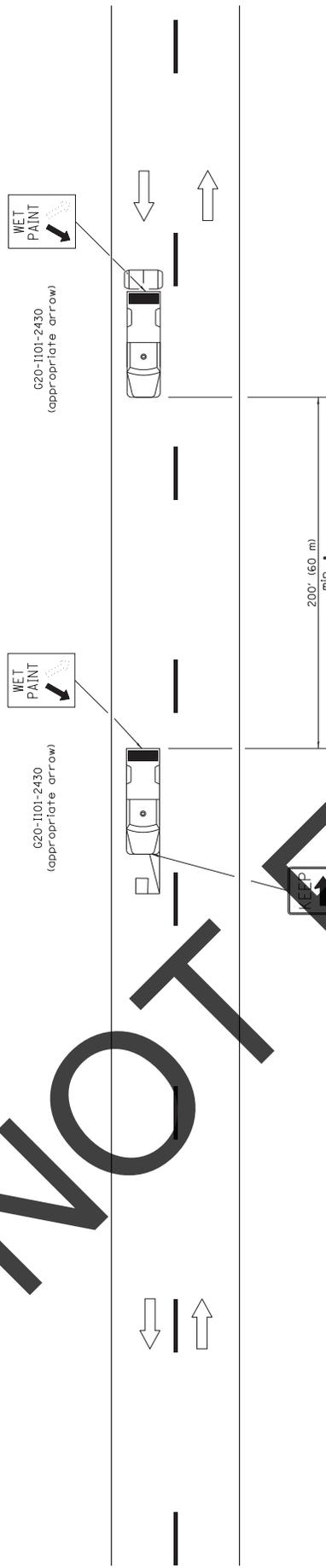
Illinois Department of Transportation

APPROVED: *[Signature]* JANUARY 2011  
ENGINEER OF SAFETY ENGINEERING

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

ISSUED 1-1-97

# NOT FOR BID



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

**TYPICAL APPLICATIONS**

- Landsliding work
- Utility work
- Pavement marking
- Seed spraying
- Radometer measurements
- Debris cleanup
- Crack pouring

**SYMBOLS**

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

**GENERAL NOTES**

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

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

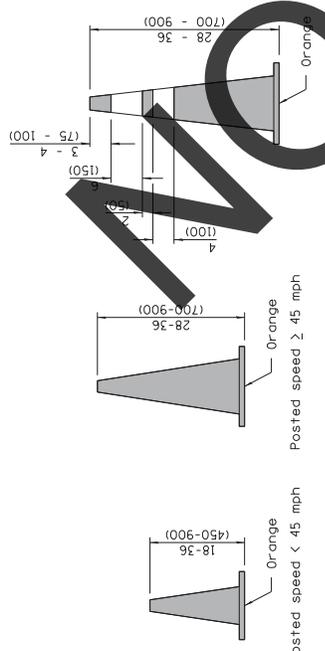
DATE	REVISIONS
1-1-09	Switched units to English (metric). Omitted Pass With Care sign.
1-1-00	Elim. speed restrictions in Standard title.

**LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY**

STANDARD 701311-03

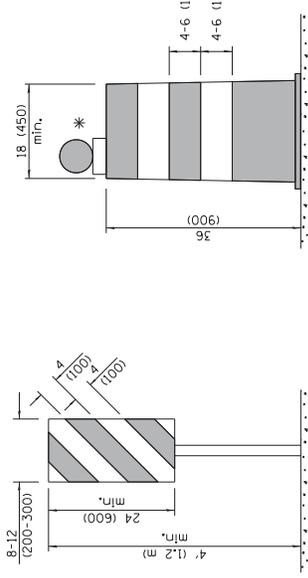
Illinois Department of Transportation APPROVED ENGINEER OF OPERATIONS	JANUARY 1, 2009 <i>[Signature]</i>
	APPROVED ENGINEER OF DESIGN AND ENVIRONMENT <i>[Signature]</i>

ISSUED 1-1-97



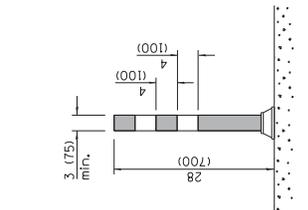
**COME FOR DAYTIME**

**REFLECTORIZED CONE FOR NIGHTTIME**

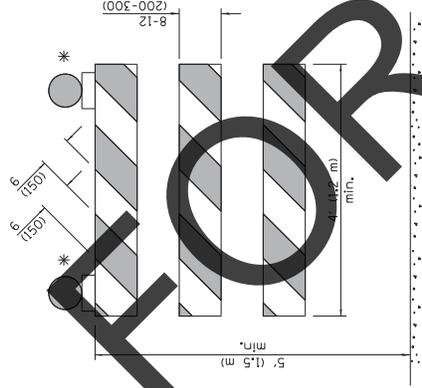


**VERTICAL PANEL POST-MOUNTED**

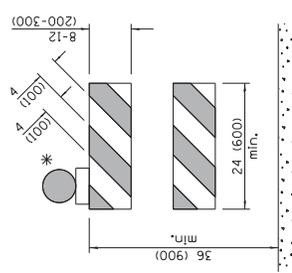
**DRUM**



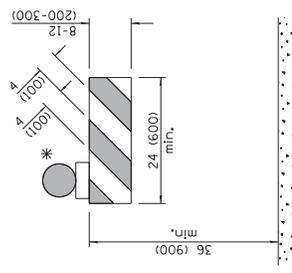
**TUBULAR MARKER**



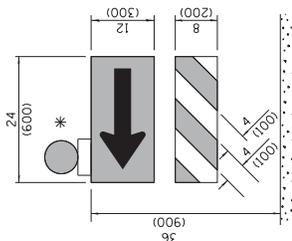
**TYPE III BARRICADE**



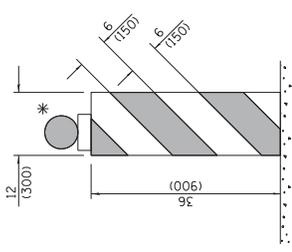
**TYPE II BARRICADE**



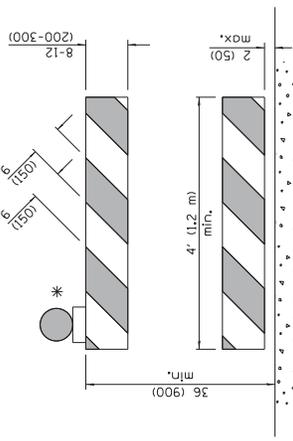
**TYPE I BARRICADE**



**DIRECTION INDICATOR BARRICADE**



**VERTICAL BARRICADE**



**DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE**

\* Warning lights (if required)

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

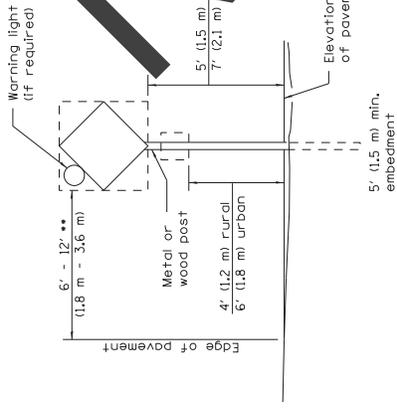
DATE	REVISIONS
1-1-17	Changes FLEXIBLE DELINEATOR TO TUBULAR MARKER.
4-1-16	Add dims to barricades. Rev. note for post mnt. signs.
	Rev. cone dths. Add W2-II03.

**TRAFFIC CONTROL DEVICES**

(Sheet 1 of 3)

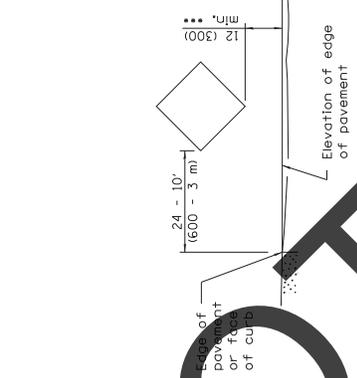
**STANDARD 701901-06**

Illinois Department of Transportation APPROVED: <i>Janey L. ...</i> 2017 ENGINEER OF OPERATIONS APPROVED: <i>Janey L. ...</i> 2017 ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-97
---	---------------



**POST MOUNTED SIGNS**

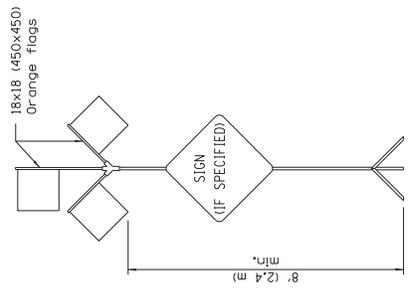
.. When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



**SIGNS ON TEMPORARY SUPPORTS**

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

**HIGH LEVEL WARNING DEVICE**



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

END CONSTRUCTION  
G20-1105(O)-6024

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

**WORK LIMIT SIGNING**

WORK ZONE	W21-1105(O)-3618
SPEED LIMIT	R2-1-3648
XX	
PHOTO ENFORCED	R10-1108p-3618 ....
SXXX FINE MINIMUM	R2-1106p-3618

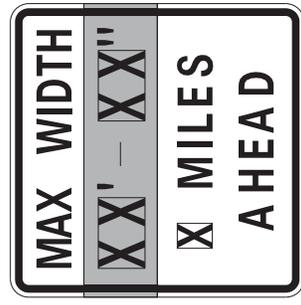
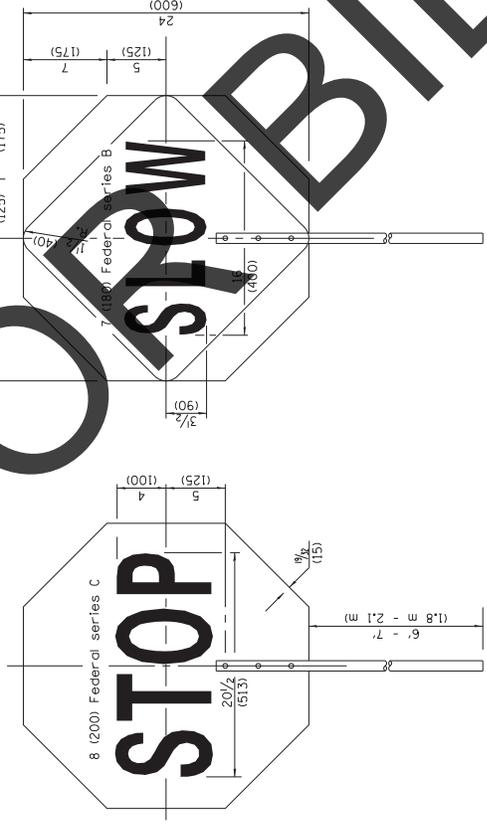
Sign assembly as shown on Standards or as allowed by District Operations.

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

Illinois Department of Transportation  
 APPROVED: [Signature] JANUARY 1, 2017  
 ENGINEER OF OPERATIONS  
 APPROVED: [Signature] JANUARY 1, 2017  
 ENGINEER OF DESIGN AND ENVIRONMENT

**FLAGGER TRAFFIC CONTROL SIGN**

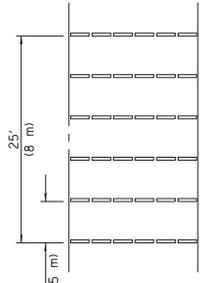
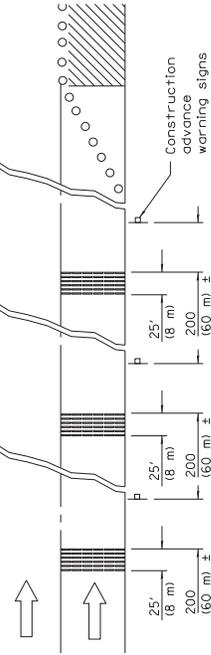
REVERSE SIDE

FRONT SIDE

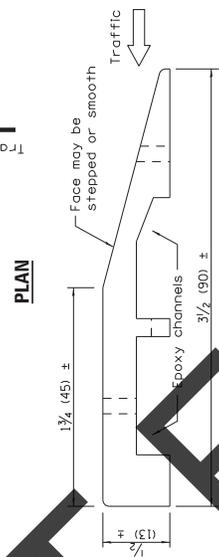
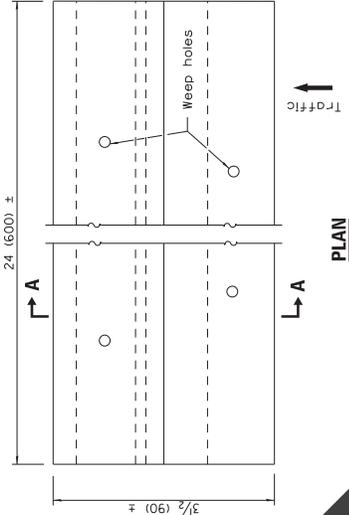
**TRAFFIC CONTROL DEVICES**

(Sheet 2 of 3)

STANDARD 701901-06

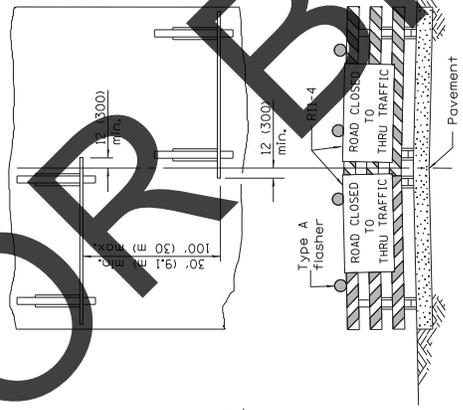


TYPICAL INSTALLATION



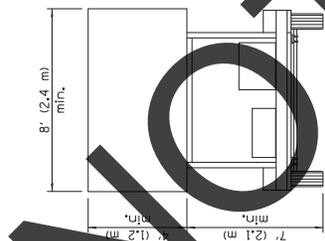
SECTION A-A

TEMPORARY RUMBLE STRIPS

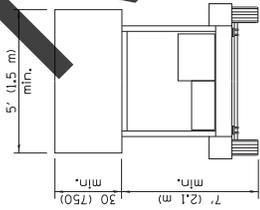


ROAD CLOSED TO THRU TRAFFIC

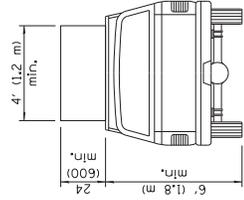
ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.



TYPE C TRAILER MOUNTED

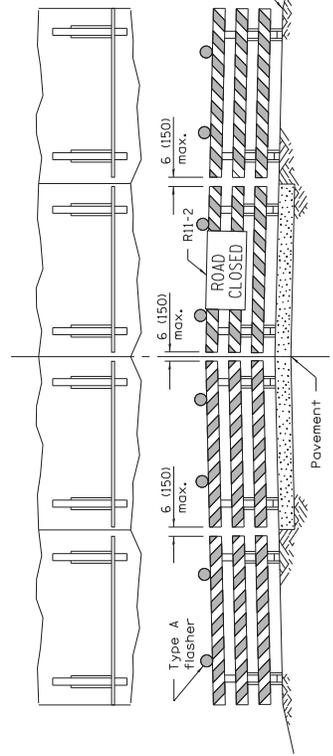


TYPE B ROOF OR TRAILER MOUNTED



TYPE A ROOF MOUNTED

ARROW BOARDS



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 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, 2017  
 ENGINEER OF OPERATIONS  
 APPROVED: [Signature] JANUARY 1, 2017  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

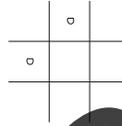
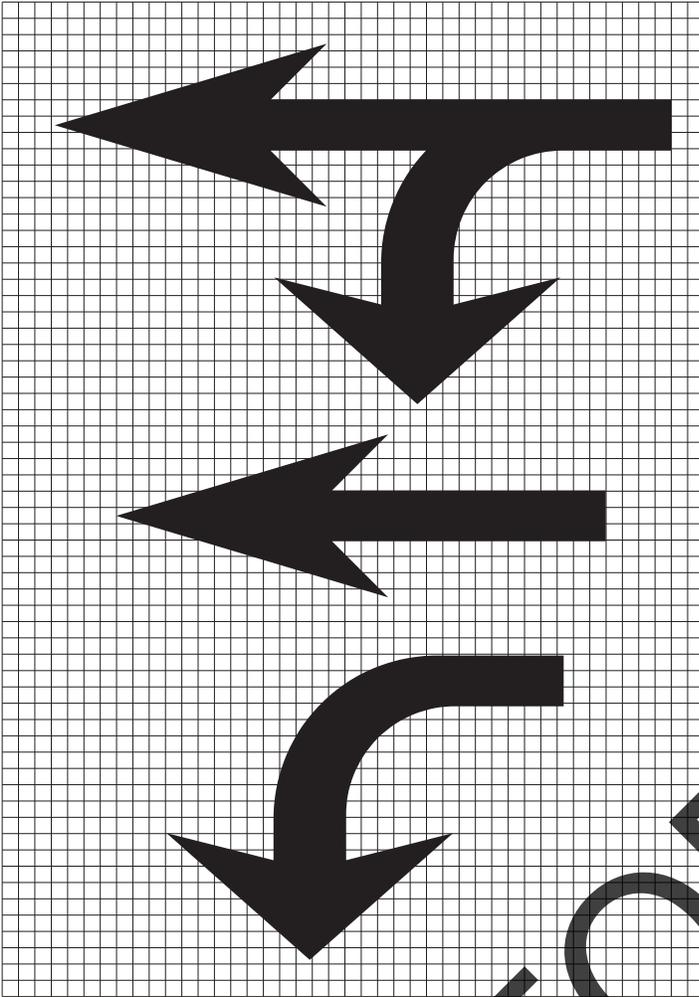
TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-06



A B C D E F G H I J  
 K L M N O P Q R S  
 T U V W X Y Z 1 2  
 3 4 5 6 7 8 9 0



The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

**LETTER AND ARROW GRID SCALE**

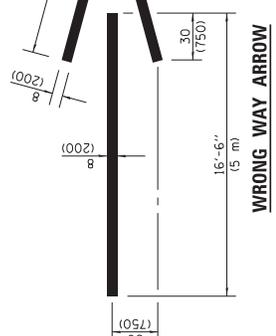
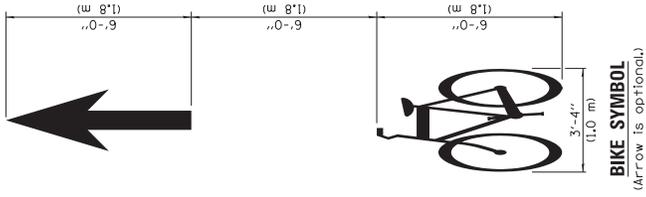
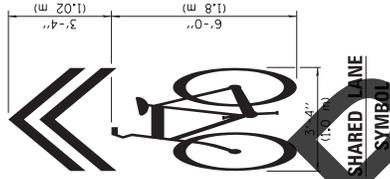
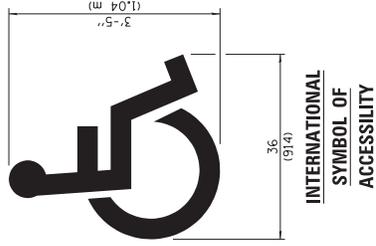
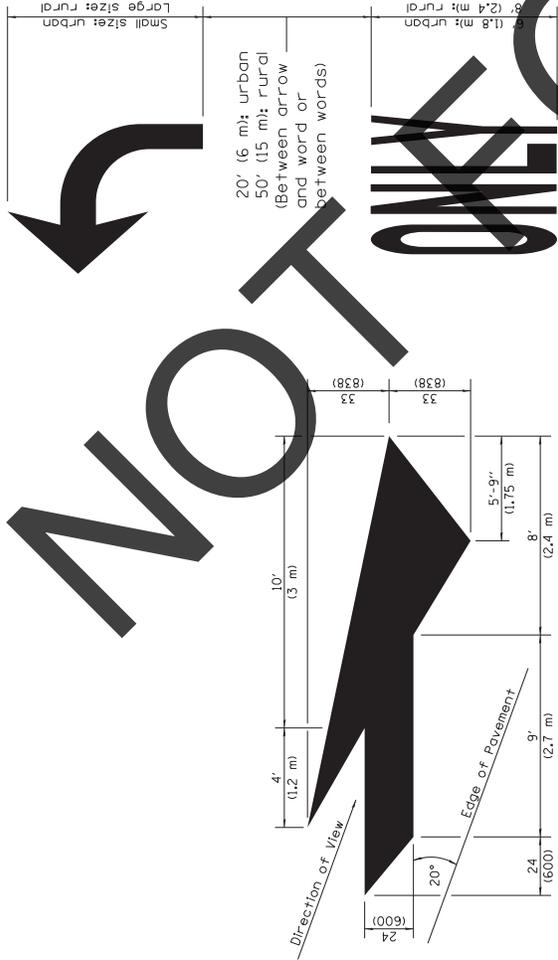
Illinois Department of Transportation  
 APPROVED January 1, 2015  
 ENGINEER OF OPERATIONS  
 APPROVED January 1, 2015  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**TYPICAL PAVEMENT MARKINGS**

(Sheet 2 of 3)

STANDARD 780001-05



NOT ONLY OR BID

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
 MOTOR FUEL TAX  
 PROGRAM PROJECT**  
 SECTION: 17-00166-00-PP  
 COUNTY HIGHWAY C29 - PINE BLUFF ROAD  
 GRUNDY COUNTY  
 ROAD CLASSIFICATION - MAJOR COLLECTOR  
 DESIGN SPEED - 50 M.P.H.

INDEX OF SHEETS

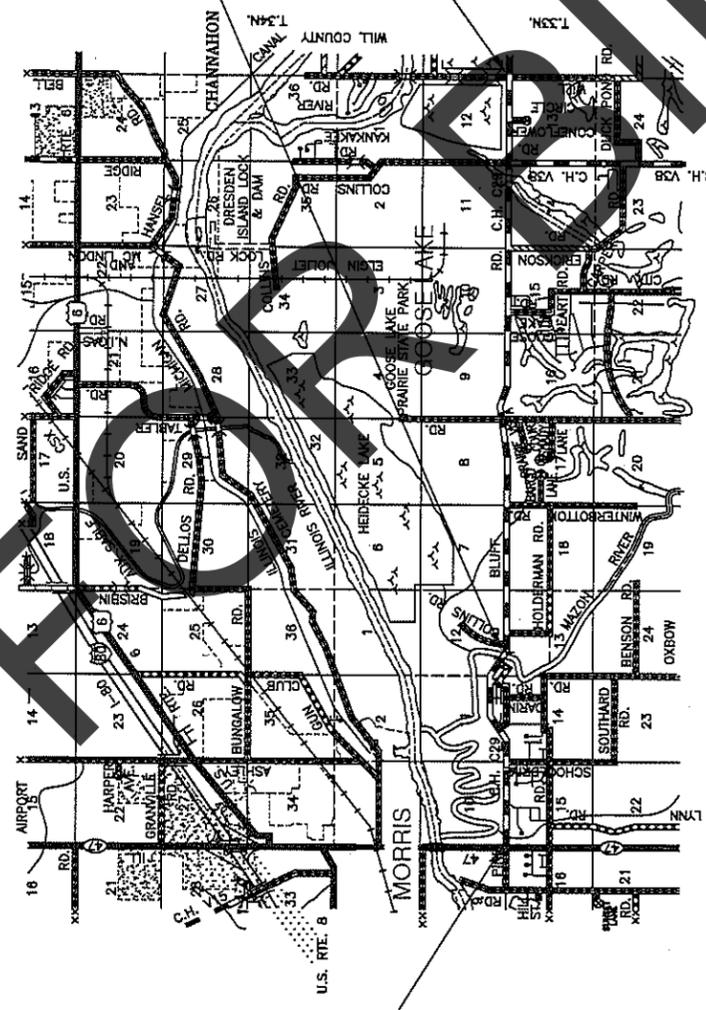
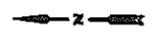
- 1 COVER SHEET, INDEX OF SHEETS, STANDARDS, LOCATION MAP
- 2 SUMMARY OF QUANTITIES, TYPICAL CROSS SECTION
- 3 TYPICAL ENTRANCE DETAIL, TYPICAL INTERSECTION DETAIL, TYPICAL MAILBOX TURNOUT DETAIL, PAVEMENT STRIPING DETAILS
- 4 PAVEMENT STRIPING DETAILS

STANDARDS

- 701306-03 LANE CLOSURE, 2 LANE, 2 WAY, SLOW MOVING OPERATIONS, DAY ONLY
- 701311-03 LANE CLOSURE, 2 LANE, 2 WAY, MOVING OPERATION, DAY ONLY
- 701901-06 TRAFFIC CONTROL DEVICES, 3 SHEETS
- 780001-05 TYPICAL PAVEMENT MARKINGS, 3 SHEETS

NETTLE CREEK	SARATOGA	AUX SABLE	PROJECT LOCATION
ERINNA	MORRIS	GOOSE LAKE	
NORMAN	WAUPONSEE	FELIX	
VIENNA	MAZON	MAINE	
HIGHLAND	GOODFARM	GARFIELD	
		GREENFIELD	

GRUNDY COUNTY



PROPOSED IMPROVEMENT  
 BEGINS STA. 2+20

OMISSION  
 STA. 126+25 TO STA. 129+07

PROPOSED IMPROVEMENT  
 ENDS STA. 485+28

UTILITIES

UTILITY SYSTEM - THE TOLL FREE TELEPHONE NUMBER FOR JOINT UTILITY LOCATING INFORMATION FOR EXCAVATOR IS 800-892-0123

THESE PLANS WERE PREPARED BY ME OR BY A FULL TIME MEMBER OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.

APPROVED 5/17/11 *Craig J. Cassem*  
 CRAIG J. CASSEM  
 GRUNDY COUNTY ENGINEER

PASSED \_\_\_\_\_ 20\_\_\_\_  
 DISTRICT ENGINEER OF LOCAL ROADS & STREETS

APPROVED \_\_\_\_\_ 20\_\_\_\_  
 DISTRICT ENGINEER

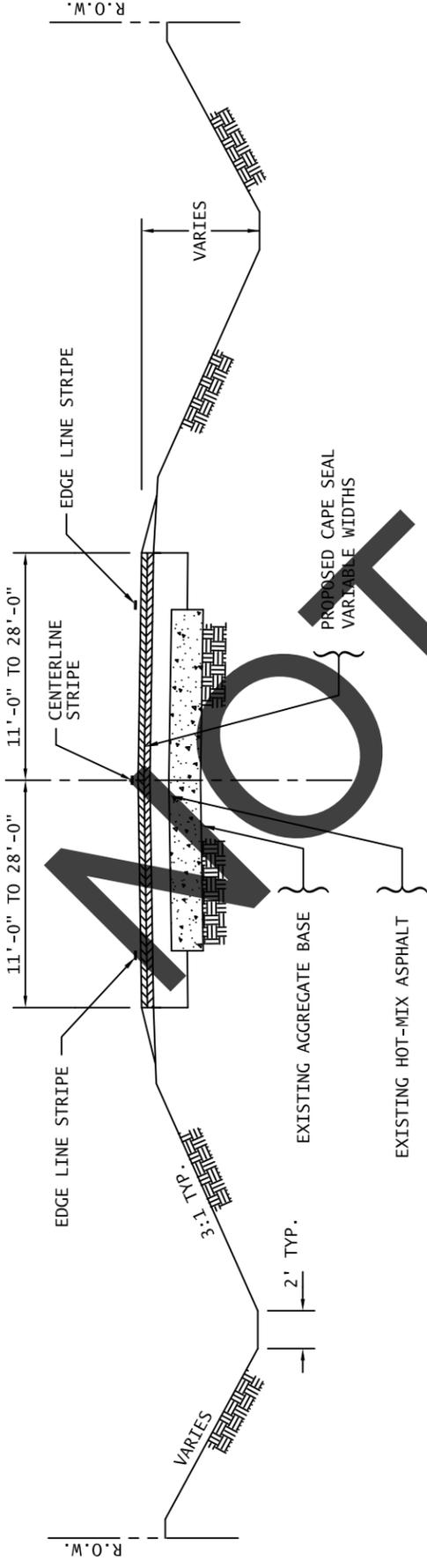
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



LOCATION MAP

GROSS LENGTH: 48,308 FEET = 9.149 MILES  
 OMISSIONS: 282 FEET = 0.053 MILES  
 NET LENGTH: 48,026 FEET = 9.096 MILES

**TYPICAL CROSS-SECTION DETAIL**



**SUMMARY OF QUANTITIES**

ITEM	UNIT	QUANTITY
* BITUMINOUS MATERIALS HFE-90	GALLON	51,225
* SEAL COAT AGGREGATE (CA-16)	TON	1,829
* TRAF CONT-PROT 701306	L. SUM	1
* MOD URETH PM LTR-SYM	SQ. FT.	242
* MOD URETH PM LINE 4	FOOT	132,330
* MOD URETH PM LINE 8	FOOT	970
* MOD URETH PM LINE 12	FOOT	280
* MOD URETH PM LINE 24	FOOT	209
* RAISED REF PVT MK REM (SPECIAL)	EACH	600
* MICRO-SURF SINGLE PASS TYPE II	SQ. YD.	146,308

\* DENOTES SPECIAL PROVISION

STATE OF ILLINOIS  
 COUNTY OF GRUNDY  
 COUNTY ENGINEER

**TYPICAL FIELD ENTRANCE DETAIL**

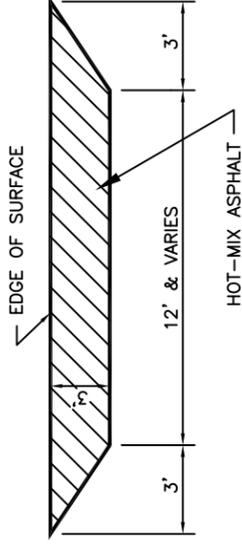


TABLE OF FIELD ENTRANCES

LOCATION	STATION	SIDE
NONE		

**TYPICAL PRIVATE ENTRANCE**

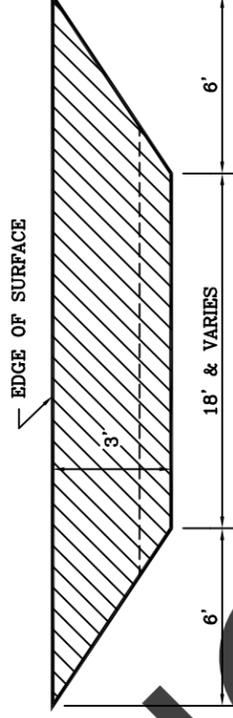


TABLE OF PRIVATE ENTRANCES

LOCATION	STATION	SIDE	SURFACE TYPE
NONE			

**TYPICAL INTERSECTION DETAIL**

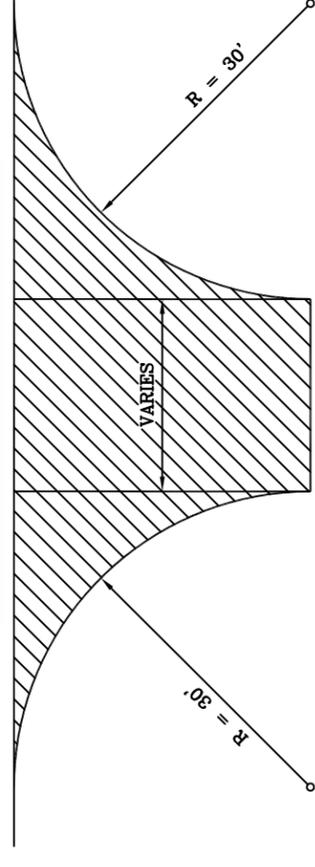
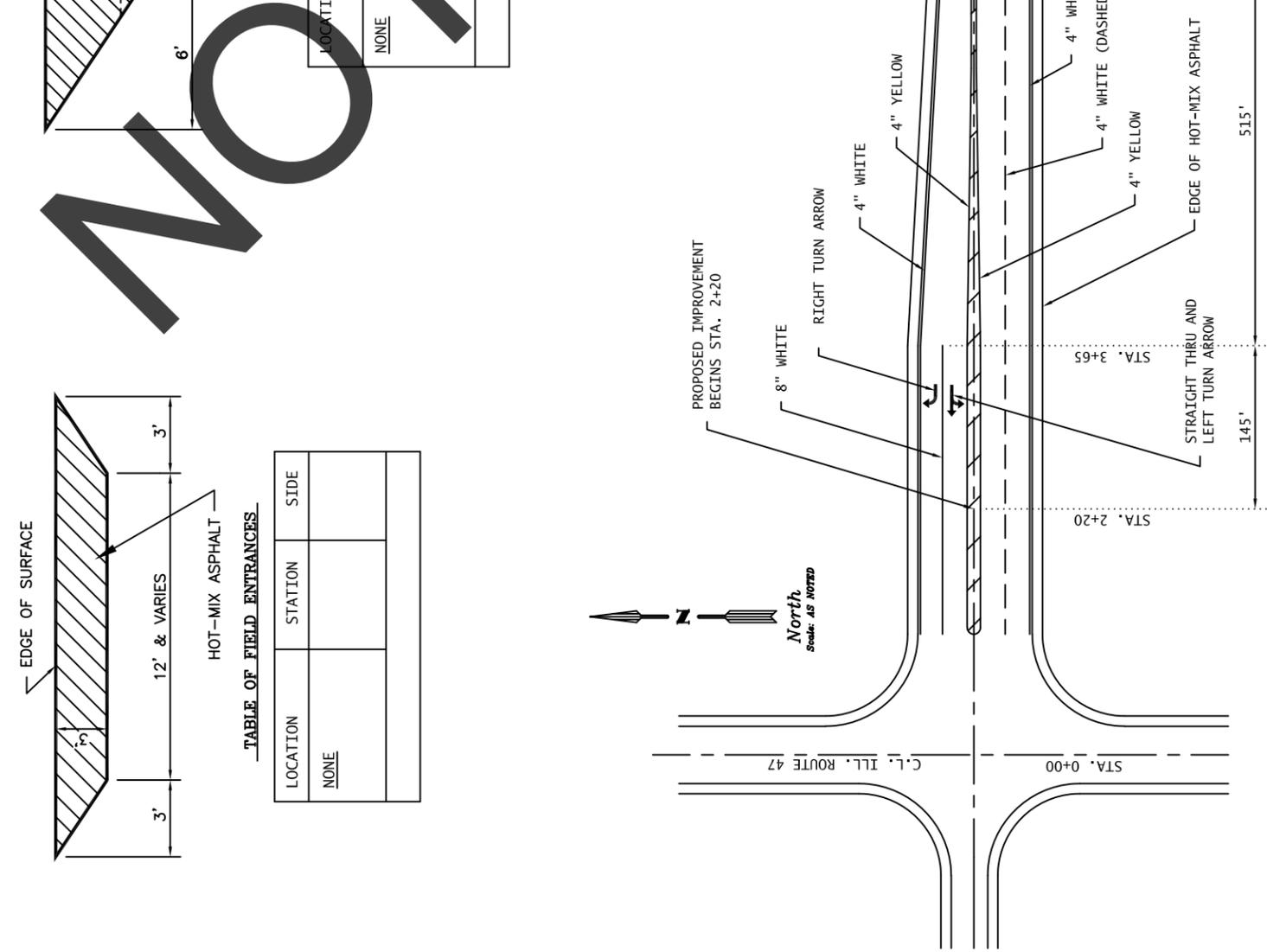


TABLE OF INTERSECTIONS

LOCATION	STATION	SQ. YDS.
19 AT 120 SQ. YDS. EACH		2,280
TOTAL		2,280

THE AREA TO BE COVERED AT SIDE ROAD INTERSECTIONS SHALL BE DETERMINED BY THE ENGINEER.

**PAVEMENT STRIPING DETAILS**



**TYPICAL MAILBOX TURNOUT**

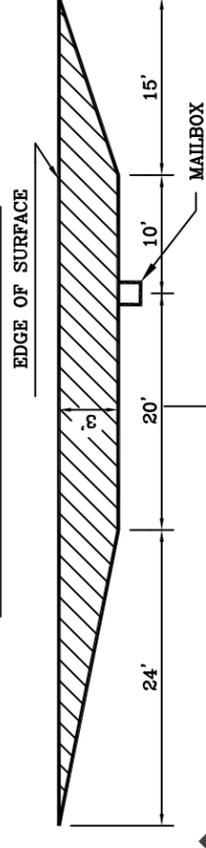


TABLE OF MAILBOX TURNOUTS

LOCATION	STATION	SIDE	SQ. YD.
NONE			

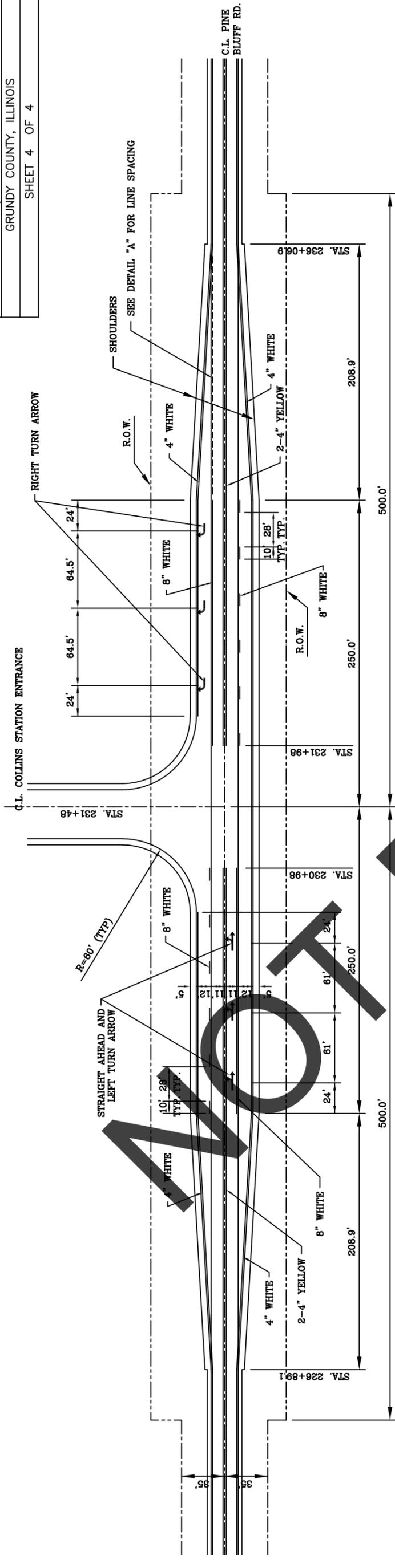
**PAVEMENT STRIPING DETAILS**

**STATION 2+20 TO STATION 15+20**

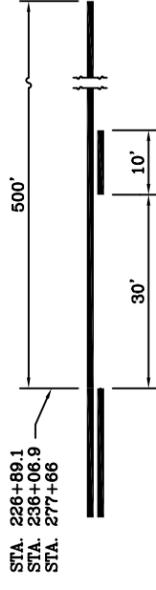
STATE OF ILLINOIS  
COUNTY OF GRUNDY  
COUNTY ENGINEER

DRAWN: D.M.B. | CHECKED: C.J.C. | SCALE: NONE | DATE: 3-30-17

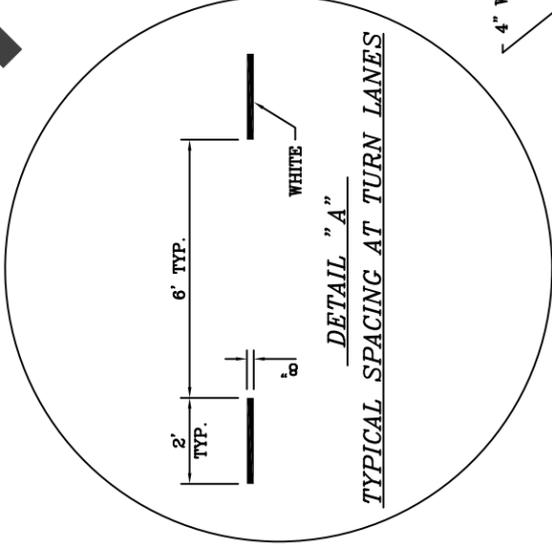
NOT FOR BID



**PAVEMENT STRIPING DETAILS**  
**STATION 226+89 TO STATION 236+07**



**TYPICAL APPLICATION AT APPROACH TO TAPER**



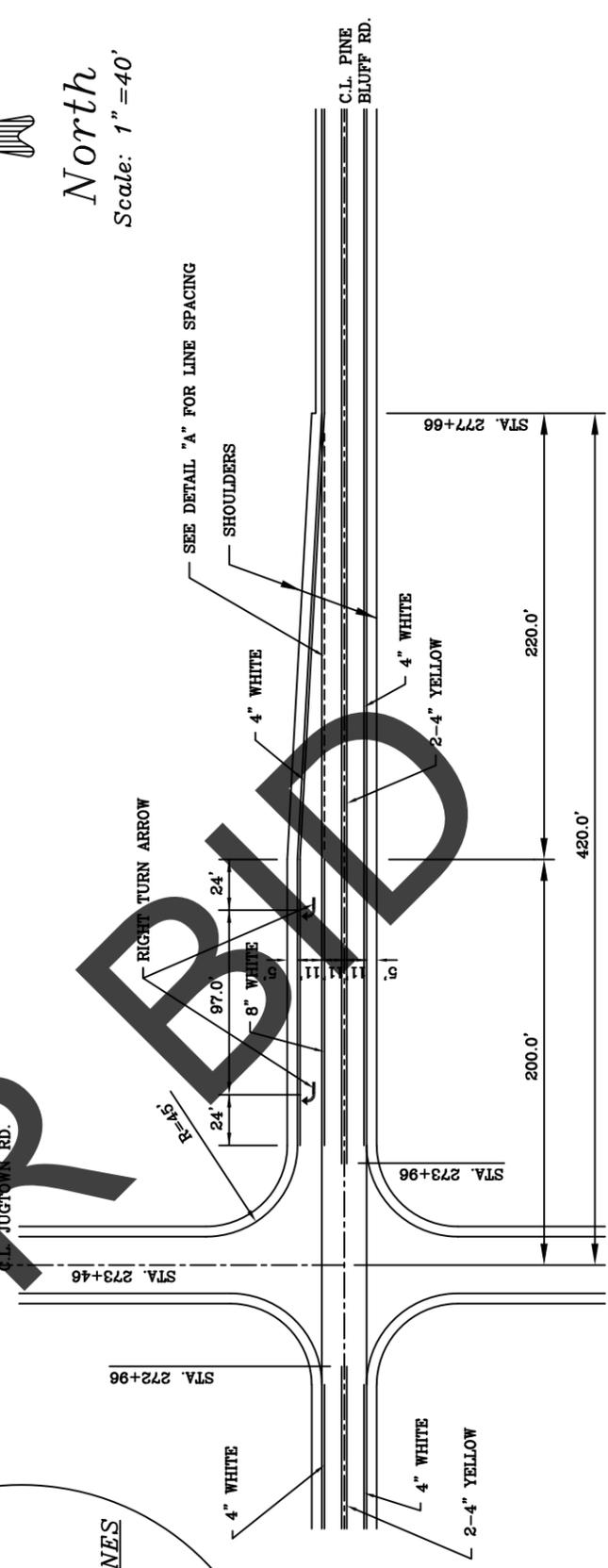
**DETAIL "A"**  
**TYPICAL SPACING AT TURN LANES**

STA. 226+89.1  
 STA. 236+06.9  
 STA. 277+66

SEE HIGHWAY STANDARD 760001 FOR CENTERLINE, EDGE LINE AND ARROW DETAILS.



North  
 Scale: 1" = 40'



**PAVEMENT STRIPING DETAILS**  
**STATION 273+46 TO STATION 277+66**

**NOT FOR**

**FOR**