

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
Website: 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
Nettle Creek Township

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

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. TR 4 - LaSalle Road

SECTION NO. 17-13000-01-GM

TYPES OF FUNDS Non-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

County Engineer/Superintendent of Highways

Date

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

RETURN WITH BID

NOTICE TO BIDDERS

County Grundy
Local Public Agency Nettle Creek
Section Number 17-13000-01-GM
Route TR 4 - LaSalle Rd.

Sealed proposals for the improvement described below will be received at the office of Grundy County Highway Dept.,
245 N. Rt. 47 Morris, Illinois 60450 until 10:00 AM on August 17, 2017
Address Time Date

Sealed proposals will be opened and read publicly at the office of Grundy County Highway Dept
245 N. Rt. 47 Morris, Illinois 60450 at 10:00 AM on August 17, 2017
Address Time Date

DESCRIPTION OF WORK

Name LaSalle Road FDR Length: 5280.00 feet (1.00 miles)
Location LaSalle Road from Minooka Road to the Township line approximately 10 Miles NE of Seneca, Illinois
Proposed Improvement Full Death Reclamation of existing roadway with Cement or Jolena 50/50 Mix.

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

2. ☒ 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 GRUNDY Forms shall be returned by the bidder to the Awarding Authority:

- Grundy 12200: Local Public Agency Formal Contract Proposal
- Grundy 12200a Schedule of Prices
- Grundy 12230: Proposal Bid Bond (if applicable)
- Grundy 12325: Apprenticeship or Training Program Certification (**do not use for federally funded projects**)
- Grundy 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 Nettle Creek
Section Number 17-13000-01-GM
Route TR 4 - LaSalle Rd.

1. Proposal of _____

for the improvement of the above section by the construction of LaSalle Road FDR

a total distance of 5280.00 feet, of which a distance of 5280.00 feet, (1.000 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 _____

3. The specifications referred to herein are those prepared by the Department 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 20 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 Grundy 12290 or a proposal guaranty check, complying with the specifications, made payable to:

County _____ Treasurer of Grundy County

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 Grundy 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 Grundy 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.

Alternate Bid 1

Route TR 4 - LaSalle Rd.

Combination Letter	Sections Included in Combinations	Total

Bidder's Proposal for making Entire Improvements

[illegible]

Alternate Bid 2

Route TR 4 - LaSalle Rd.

Combination Letter	Sections Included in Combinations	Total

Bidder's Proposal for making Entire Improvements

Grundy 12200a (01/08/14)

RETURN WITH BID

CONTRACTOR CERTIFICATIONS

County	Grundy
Local Public Agency	Nettle Creek
Section Number	17-13000-01-GM
Route	TR 4 - LaSalle Rd.

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 Nettle Creek
Section Number 17-13000-01-GM
Route TR 4 - LaSalle Rd.

(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 _____

Insert Names of Officers

President

Secretary

Treasurer

Attest: _____

Secretary



Local Agency Proposal Bid Bond

RETURN WITH BID

Route TR 4 - LaSalle Rd.
County Grundy
Local Agency Nettle Creek
Section 17-13000-01-GM

PAPER BID BOND

WE _____ as PRINCIPAL,

and _____ as SURETY,

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

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

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

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

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

Principal

(Company Name)

(Company Name)

By: _____
(Signature and Title)

By: _____
(Signature and Title)

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

Surety

(Name of Surety)

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

STATE OF ILLINOIS,

COUNTY OF _____

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

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

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

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

My commission expires _____
(Notary Public)

ELECTRONIC BID BOND

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

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

Electronic Bid Bond ID Code

(Company/Bidder Name)

(Signature and Title)

Date



Apprenticeship or Training Program Certification

Return with Bid

Route	TR 4 - LaSalle Rd.
County	Grundy
Local Agency	Nettle Creek
Section	17-13000-01-GM

All contractors are required to complete the following certification:

☒ For this contract proposal or for all groups in this deliver and install proposal.

☐ For the following deliver and install groups in this material proposal:

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

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

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

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

Bidder: _____ By: _____ (Signature)
Address: _____ Title: _____

RETURN WITH BID



Affidavit of Illinois Business Office

County Grundy
Local Public Agency Nettle Creek
Section Number 17-13000-01-GM
Route TR 4 - LaSalle Rd.

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 _____
officer or position bidder
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)



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 Section: **17-13000-01-GM** 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

Project is located on LaSalle Road for 1 mile between Minooka Road and north to the Township Line. The site is approximately 10 miles northeast of Seneca, Illinois.

DESCRIPTION OF WORK

The work of this Section consists of furnishing all labor and materials for the full depth reclamation of the existing roadway and all other incidental work necessary to complete this improvement in accordance with the plans and specification for this Section.

ALTERNATE BIDS

This contract is to be bid with two options to proceed with (known as Alternate Bid 1 and Alternate Bid 2). Alternate Bid 1 shall use cement in the roadway. Alternate Bid 2 shall use Jolena 50/50 Mix (See the special provision below) in the roadway. The County and Township will choose which Alternate they wish to proceed with at the time they accept the winning bid.

PROSECUTION OF WORK

The contractor is advised that this road will have an A2 Chip Seal placed on it upon the completion of the FDR. The Chip Seal will be completed by others. The contractor will coordinate schedule with the Chip Seal contractor as needed to complete the project in a timely matter.

RESPONSIBILITY OF THE CONTRACTOR

The contractor shall notify the Engineer a minimum of 48 hours prior to the commencement of work when they plan to begin and/or the start of a new construction activity.

The contractor shall responsible to ensure that all utilities have been marked on site at least 48 hours prior to the start of construction or as required by law.



Special Provisions

The contractor shall protect any existing drainage fixture and field tiles providing drainage whether marked or unmarked on the plans. Should damage occur due to the contractor's activities, the contractor shall repair said damage at the contractor's own expense unless the Engineer determines that the damage was unavoidable.

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

CLOSING ROAD TO THRU TRAFFIC

The road shall be closed to thru traffic during construction activities. The Engineer may add requirements and/or conditions for the closure as deemed necessary. **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.

CONSTRUCTION SIGNS AND BARRICADES

All temporary signs and barricades as specified in Article 107.14 and in the standards listed in the plans shall be furnished, erected and maintained by the contractor. The cost of said signs and barricades shall be included in the cost of Traffic Control & Protection and no extra compensation will be allowed.

CONSTRUCTION LAYOUT

The contractor shall be responsible for laying out all needed points and grades required to complete the project as shown in the plans.

This item will be considered incidental to the project.

MOBILIZATION

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

JOLENA 50/50 MIX

As one of the alternates that can be bid, the material commonly known as Jolena may be used in place of cement. The Jolena material is a mix of 50% cement and 50% fly ash. Both the cement and fly ash must meet the requirements of the standard



Special Provisions

specifications. The two materials must be mixed so that both materials are evenly distributed to the satisfaction of the Engineer.

All costs for this item shall be included in the contract unit cost per ton for JOLENA 50/50 MIX.

APPLICATION RATES OF CEMENT AND JOLENA

The application rate for cement shall be a minimum of 70.5 pounds per square yard and a maximum treated density of 136.0 pounds per cubic foot. The field moisture content shall be 7.0 to 9.0% for cement. If Jolena 50/50 mix is used instead, then the application rate shall be 100.7 pound per square yard and a maximum treated density of 138.6 pounds per cubic foot. The field moisture content shall be 7.5% to 9.5% for Jolena 50/50 Mix. The optimum moisture content for both cement and Jolena 50/50 Mix is 6.9%.

SURFACE PROFILE MILLING

The contractor shall mill the surface after the FDR is completed to remove any bumps or waves in the surface to provide a smooth surface for the Chip Seal to be placed on. The depth of the milling shall be only deep enough to remove these waves and bumps. The Engineer will make the final decision as to the depth of the milling.

All costs for this item shall be included in the contract unit cost per square yard for SURFACE PROFILE MILLING.

CONSTRUCTION DEBRIS

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

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



Special Provisions

TRAFFIC CONTROL SURVEILLANCE

Shall not be paid for separately, but shall be included in the costs for other TRAFFIC CONTROL AND PROTECTION pay items.

TRAFFIC CONTROL PLAN

Traffic control shall be in accordance with the applicable sections of the Standard Specification 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. Signing standards applicable to this contract shall include the following:

701901
BLR 21-9
BLR 22-7

All costs for this item shall be included in the contract unit cost per lump sum for TRAFFIC CONTROL & PROTECTION (SPECIAL).

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 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	Reserved	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	Reserved	175
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	176
LRS 10	Reserved	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

BDE SPECIAL PROVISIONS
For the August 4 and September 22, 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
80382	2	Adjusting Frames and Grates	April 1, 2017	
80274	3	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192	4	Automated Flagger Assistance Device	Jan. 1, 2008	
* 80173	5	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80241	6	Bridge Demolition Debris	July 1, 2009	
5026I	7	Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5048I	8	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5049I	9	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5053I	10	Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80366	11	Butt Joints	July 1, 2016	
* 80384	12	Compensable Delay Costs	June 2, 2017	
80198	13	Completion Date (via calendar days)	April 1, 2008	
80199	14	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293	15	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311	16	Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80277	17	Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
80261	18	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80029	19	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	July 2, 2016
80378	20	Dowel Bar Inserter	Jan. 1, 2017	
* 80229	21	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80304	22	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Aug. 1, 2014
80246	23	Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2016
80347	24	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	April 1, 2017
* 80383	25	Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	April 2, 2017
80376	26	Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
80367	27	Light Poles	July 1, 2016	
80368	28	Light Tower	July 1, 2016	
80336	29	Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
80369	30	Mast Arm Assembly and Pole	July 1, 2016	
80045	31	Material Transfer Device	June 15, 1999	Aug. 1, 2014
80165	32	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
80349	33	Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
80371	34	Pavement Marking Removal	July 1, 2016	
80377	35	Portable Changeable Message Signs	Nov. 1, 2016	April 1, 2017
80359	36	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Jan. 1, 2017
80338	37	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	April 1, 2014	April 1, 2016
* 80385	38	Portland Cement Concrete Sidewalk	Aug. 1, 2017	
80300	39	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
80328	40	Progress Payments	Nov. 2, 2013	
3426I	41	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	42	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80306	43	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	April 1, 2016

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80340	44	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
* 80127	45	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
80379	46	Steel Plate Beam Guardrail	Jan. 1, 2017	
80317	47	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	April 1, 2016
80298	48	Temporary Pavement Marking (NOTE: This special provision was previously named "Pavement Marking Tape Type IV".)	April 1, 2012	April 1, 2017
20338	49	Training Special Provisions	Oct. 15, 1975	
80318	50	Traversable Pipe Grate	Jan. 1, 2013	April 1, 2014
80381	51	Traffic Barrier Terminal, Type 1 Special	Jan. 1, 2017	
80380	52	Tubular Markers	Jan. 1, 2017	
80288	53	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	54	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80071	55	<input checked="" type="checkbox"/> Working Days	Jan. 1, 2002	

The following special provisions have been deleted from use:

80289 Wet Reflective Thermoplastic Pavement Marking

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 submitted as a separate document. 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

**SPECIAL PROVISION
FOR
FULL-DEPTH RECLAMATION (FDR) WITH CEMENT**

All references to Divisions, Sections, and Articles in this Special Provision shall be construed to mean specific Divisions, Sections, and Articles in the Standard Specifications for Road and Bridge Construction adopted by the Department of Transportation.

Description. This work shall consist of cold milling and pulverizing all of the existing bituminous layers and/or portions of the aggregate base material to a specified depth and maximum size, spreading and mixing cement, water and additives with the recycled material, compacting the mixture, grading, final compaction, micro-cracking, and curing.

Materials. Materials shall be according to the following Articles of Division 1000 – Materials.

Item	Article/Section
(a) Portland Cement (Note 1)	1001
(b) Water	1002
(c) Fine Aggregate (Note 2)	1003
(d) Coarse Aggregate (Note 2)	1004
(e) Reclaimed Asphalt Pavement (Note 3)	1031
(f) Cold Pulverized Material (Note 4)	
(g) Mix Design (Note 5)	

Note 1 Limit. The type and allowable percentage will be described in the mix design.

Note 2. The mix design will specify gradation and quality of any additional aggregate. Any additional fine aggregate shall meet Class B quality as a minimum. Any additional coarse aggregate shall meet Class C quality as a minimum.

Note 3. The Engineer may allow reclaimed asphalt pavement (RAP) from Conglomerate "D" Quality or better RAP stockpiles as specified in Article 1031.02 or from millings of the existing highway. The RAP material shall not exceed the maximum size requirement of the cold pulverized material, and when blended with the cold pulverized material shall produce a product which meets the specifications of the mix design.

Note 4. After pulverization, the gradation of the cold pulverized material shall meet the following requirements.

COLD PULVERIZED MATERIAL GRADATIONS				
Grad No.	Sieve Size and Percent Passing			
	3 in. (75 mm)	2 in. (50 mm)	1 1/2 in. (37.5 mm)	No 4 (4.75 mm)
PM 3		100	100 - 97	
PM 4	100	95		55

- Note 5. A mix design for each distinct section shall be submitted to the County prior to construction using actual materials (in-situ sampled by the Contractor and new materials from the Contractor's material suppliers) proposed for the project. The mix design shall follow item 1, 2, 3, 4(a), 4(b), and 4(c) in Attachment II-D of Illinois Department of Transportation's Geotechnical Manual. The unconfined compressive strength and freeze-thaw durability strength shall be determined at the cement percentages specified in Attachment II-D. The final mix design will be approved by the Engineer.

FDR WITH CEMENT MIX DESIGN REQUIREMENTS	
Test Method	Requirement
Gradation for Design Millings, AASHTO T 27, AASHTO T 88	Report
Liquid Limit, AASHTO T 89	Report
Plasticity Index, AASHTO T 90	Report
Sand Equivalent, ASTM D2419, Method B	Report
Moisture Density Relationship, AASHTO T 134	Report
Unconfined Compressive Strength, 7-Day, ASTM D 1633, psi	500 min
Freeze Thaw Durability (10-cycle), Vacuum Saturation Test, ASTM C 593, psi	350 min
Additional Additive(s) ¹	
Coarse Aggregate	Report
Fine Aggregate	Report
RAP	Report
Cement Percentage by Dry Mass	Report

Notes: 1. Report shall include type gradation and producer/supplier.

Equipment. Equipment shall be according to the following Articles of Division 1100 – Equipment.

- (a) Self-Propelled Pneumatic-Tired Rollers (Note 1) 1101.01(c)
- (b) Vibratory Roller (Note 2) 1101.01(g)
- (c) Mechanical Sweeper..... 1101.03
- (d) Motor Grader..... 1101.05
- (e) Self-Propelled Milling Machine..... 1101.16(a)
- (f) Mechanical Spreader (Note 3)
- (g) Self-Propelled Reclaimer (Note 4)
- (h) Self-Propelled Vibratory Padfoot Roller (Note 5)
- (i) Water Truck (Note 6)

Note 1. The self-propelled pneumatic-tired roller shall have a gross weight (mass) of not less than 25 tons (23 metric tons).

Note 2. The vibratory steel roller shall have a gross weight of not less than 10 tons (9 metric tons).

Note 3. Spreaders or distributors used to apply the stabilization chemical for FDR shall be cyclone, screw type or pressure manifold type. Spreaders or distributors used shall be able to demonstrate a consistent and accurate application rate while minimizing dust during construction. Imported granular material used for FDR may be tailgated with end dumps and spread to a uniform thickness with a motor grader or it may be spread with mechanical spreader or placed with a conventional paver.

- Note 4. The self-propelled reclaimer shall be capable of fully pulverizing the existing pavement to the depth required, incorporate the water, and mix the materials to produce a homogeneous material. The minimum power of the self-propelled reclaimer shall be 500 hp (373 kW). The self-propelled reclaimer shall be capable of reclaiming not less than 8 ft (2.4 m) wide and up to 12 in. (305 mm) deep in each pass. The self-propelled reclaimer shall be able of injecting water directly into the mixing chamber via an electronic control system that records the amount of moisture addition. The cutting drum should be fitted with cutting teeth capable of trimming earth, aggregate and bituminous mixtures, and so designed that they may be accurately adjusted vertically and held in place. The machine shall weigh at least 12.5 tons (11.5 metric tons) and shall have such strength and rigidity that it will not develop a center deflection of more than 1/8 in (0.125 mm). Disc harrows, bucket teeth and other equipment that do not meet the above requirements shall not be used.
- Note 5. The self-propelled vibratory pad foot roller shall have 84 in. (2133 mm) wide drums and gross weight of not less than 10 tons (9 metric tons). A front mounted blade is recommended for back-dragging. A self-propelled vibratory pad foot roller shall be required for each self-propelled reclaimer.
- Note 6. Water trucks used for adding compaction shall be set up for a controlled spray.

CONSTRUCTION REQUIREMENTS

General Conditions. This work consisting of cement application, mixing, spreading, compacting, and finishing shall be continuous and completed within 2 hours from the start of mixing. Any processed material that has not been compacted and finished shall not be left undisturbed for longer than 30 minutes.

Weather Limitations. This work shall be performed when the atmospheric temperature in the shade and away from artificial heat is 50 °F (10 °C) and rising. Also, the weather shall not be foggy or rainy. The weather forecast shall not call for freezing temperature within 7 days with after placement of any portion of the project and the annual average low temperature within 7 days of the end of the project shall be greater than 32 °F (0 °C).

Pre-pulverization and Initial Shaping. The existing pavement shall be pre-pulverized by the self-propelled reclaimer and/or shaped by the motor grader to correct for profile, crown, and contour, according to the plans, before the addition of the cement. Water, coarse aggregate, RAP Material, or other additives required may be added during this operation. The pre-pulverized and shaped material shall be compacted with a vibratory roller in static mode to support equipment and/or traffic and to provide depth control during processing. Depth of pre-pulverization and shaping shall be 1 in. (25 mm) to 2 in. (50 mm) less than the depth of final processing.

Cement Application. The quantity of cement specified in the mix design shall be spread on the finished surface of the pre-pulverized material using a mechanical spreader. If a slurry is being applied, the finished surface of the pre-pulverized material shall be scarified prior to spreading of the slurry to prevent excessive runoff or ponding.

Mixing. Mixing shall begin as soon as possible after the cement has been spread; however, the time from cement placement on the finished surface of the pre-pulverized material to start of mixing shall not exceed 30 minutes. If a slurry is used, the time from first contact of cement with water to application on the finished surface of the pre-pulverized material shall not exceed 60 minutes. Mixing shall continue until the entire mixture is pulverized so that the mixed material passes the gradation specified. A final gradation test shall be made at the conclusion of mixing operations.

Prior to compaction, the mixture shall be at the required moisture content throughout. If using dry cement, water application shall only be done through the self-propelled reclaimer integrated fluid injection system during mixing.

Compaction. The recycled material shall be compacted according to the following.

- (a) **Optimum Moisture Content.** At the start of compaction, the moisture content shall be within ± 2.0 percent from the optimum moisture content determined by the mix design or the latest moisture-density test. No section shall be left undisturbed for longer than 30 minutes during compaction operations. All compaction operations shall be completed within 2 hours from the start of mixing.
- (b) **Density.** The field density shall be determined by a nuclear density gauge in the direct transmission mode according to AASHTO T 310. The processed material's field density shall be uniformly compacted to a minimum of 98% of maximum dry density based on a moving average of five consecutive tests with no individual test below 96%. Optimum moisture and maximum dry density shall be determined by the mix design and verified during construction by a moisture-density test according to AASHTO T 134.
- (c) **Rollers.** Immediately after processing and final shaping the recycled material shall be compacted with equipment meeting the following requirements.

MINIMUM ROLLER REQUIREMENTS FOR FDR			
Breakdown Roller (one of the following)	Intermediate Roller ¹	Final Roller (one or more of the following) ¹	Density Requirement
P ¹ , PF ²	P, V _D	P, V _S	98 percent of the maximum dry density

Note(s): 1. Equipment definitions in Table 1 of Article 406.07.
2. PF - Self-propelled vibratory padfoot roller for breakdown rolling.

- (d) **Rolling.** The breakdown roller shall be 500 ft (150 m) or less behind all self-propelled reclaimer units. The recycled material shall be compacted by the padfoot roller, applying high amplitude and low frequency, or the pneumatic-tired roller. Breakdown rolling shall be performed until the breakdown roller walks out of the material. Walking out for the padfoot roller is defined as light being clearly evident between all of the pads at the material-padfoot drum interface and being no more than 3/16 in. (5 mm) deep. Walking out for the pneumatic-tired roller is defined as no significant wheel impressions being left on the surface.

After the completion of breakdown rolling, the motor grader shall be used to cut the recycled material no deeper than necessary to remove breakdown roller marks from the initial compaction and to achieve desired cross slope.

The bladed recycled material shall be compacted by the intermediate and final rollers. The number of passes and order of rollers may be altered to meet compaction requirements. Finish rolling shall not be done in vibratory mode. Water may be lightly sprayed by a water truck to aid in improving final density and appearance. A second water truck is required if water is also being added at the reclaimer.

Curing. Finished portions of the FDR base that are traveled on by equipment used in constructing an adjoining section shall be protected in such a manner as to prevent equipment from marring or damaging completed work.

After completion of final finishing, the surface shall be cured by application of a bituminous prime material or other approved sealing membrane, or by being kept continuously moist for a period of 7 days with a water spray that will not erode the surface of the FDR base.

If curing material is used, it shall be applied as soon as possible, but not later than 24 hours after completing finishing operations. The surface shall be kept continuously moist prior to application of curing material.

For bituminous curing material, the FDR base surface shall be dense, free of all loose and extraneous materials and shall contain sufficient moisture to prevent excessive penetration of the bituminous material. The bituminous material shall be uniformly applied to the surface of the completed chemically stabilized material. The exact rate and temperature for complete coverage, without undue runoff, shall be specified by the engineer.

Should it be necessary for construction equipment or other traffic to use the bituminous covered surface before the bituminous material has dried sufficiently to prevent pickup, sufficient sand cover shall be applied before such use.

Sufficient protection from freezing shall be given the chemically stabilized material for 7 days after its construction or as approved by the engineer.

Opening to Traffic. Completed portions of FDR base may be opened immediately to low speed local traffic and to construction equipment, provided the curing material or moist curing operations are not impaired and provided the FDR base is sufficiently stable to withstand marring or permanent deformation. The section can be opened up to all traffic after the FDR base has received a curing compound or subsequent surface and is sufficiently stable to withstand marring or permanent deformation. If continuous moist curing is employed in lieu of a curing compound or subsequent surfacing within 7 days, the FDR base can be opened to all traffic after the 7 day moist curing period, provided the FDR base has hardened sufficiently to prevent marring or permanent deformation.

Maintenance. The finished surface shall be maintained in good condition until all work is completed and accepted. Immediate repairs of any defects that may occur shall be done at the contractor's expense. If it is necessary to replace any processed material, the replacement shall be for full depth, with vertical cuts, using an approved material. No skin patches shall be permitted.

Quality Control/ Quality Assurance (QC/QA).

- (a) Quality Control by the Contractor. The Contractor shall perform or have performed the inspection and tests required to assure conformance to contract requirements. Control includes the recognition of obvious defects and their immediate correction. This may require increased testing, communication of test results to the job site, modification of operations, suspension of the work, or other actions as appropriate.

The Engineer shall be immediately notified of any failing tests and subsequent remedial action. Passing tests shall be reported to the Engineer no later than the start of the next work day.

- (b) Quality Assurance by the Engineer. The Engineer will conduct independent assurance tests on split samples taken by the Contractor for quality control testing. In addition, the Engineer will witness the sampling and splitting of these samples and will immediately retain witnessed split samples for quality assurance testing. Material will be accepted by QA results. If QC and QA test tolerances do not compare, retest.

(c) Tests Methods and Frequency.

- (1) Depth of Pulverization (Milling). The nominal depth at the centerline shall be required. Anytime depth changes are made or equipment is idle, a depth check shall be taken.

DEPTH OF PULVERIZATION SHALL BE 10".

- (2) Pulverized Material Sizing and Gradation. A sample shall be obtained before cement addition and screened using a 3.0 in. (37.5 mm) sieve (or smaller sieve if required) to determine if meeting the maximum particle size requirement. Gradations shall be performed each day on the moist millings using the following sieves: 2.0, in. 1.5 in., 1.0 in., 3/4 in., 1/2 in., 3/8 in., No. 4, No. 8, No. 16, and No. 30. The resulting gradation shall be compared to the mix design gradations to determine any necessary changes to cement content.

At least 55% minus the percentage of cement of the pre-pulverized material shall pass the No. 4 (4.75 mm) sieve.

Sampling procedures shall generally be in accordance with ASTM D 979 or AASHTO T 168.

- (3) Cement Application Rate. The Engineer shall be notified any time cement application rate is changed. The cement application rate shall be checked and recorded for each segment in which the percentage is changed. Cement application rate shall be at a minimum of 70.5 pounds per square yard. If Jolena 50/50 mix is used instead, the application rate shall be at a minimum of 100.7 pounds per square yard.
- (4) Optimum Moisture and Maximum Dry Density. The moisture-density test shall be run according to AASHTO T 134. Target optimum moisture is 6.9% (design field moisture shall be 7.0 to 9.0% for cement). If Jolena 50/50 Mix is used instead then the target optimum moisture is 6.9% (design field moisture shall be 7.5 to 9.5%). Maximum dry density (treated) for cement shall be 136.0 pcf. If Jolena 50/50 mix is used instead, it shall be 138.6 pcf.
- (5) Compacted Density. The compacted density shall be determined by a nuclear density gauge in the direct transmission mode according to AASHTO T 310.

- (6) Frequency. The following table provides the minimum frequency for tests; however, the Engineer may increase the testing frequency if the construction process is experiencing problems or unknown conditions are encountered.

QC/QA TESTING FREQUENCY		
Test	QC Frequency ¹	QA Frequency ¹
Depth of Pulverization	1 per 500 ft (150 m)	1 per 1000 feet (300 m)
Pulverized Material Gradation	1 per 0.5 day of production	1 per day of production
Cement Application Rate	1 per 500 ft (150 m)	1 per 1000 feet (300 m)
Optimum Moisture and Maximum Dry Density	1 per 0.5 day of production	1 per day of production
Compacted Density	1 per 0.25 mile (0.4 km)	1 per mile (1.6 km)

Note: 1. The Contractor shall perform all quality control tests within the first 500 ft (150 m) after startup or any change in the mix. The Department will also run the split samples at these locations.

Specifications for Micro-cracking

After compaction, the finished soil-cement will be kept continuously moist for between 24 and 48 hours. The finished course shall then be vibrated with between 2 and 4 passes of a 12 ton steel-wheel vibratory roller, traveling at a speed of approximately 2 mph and vibrating at maximum amplitude (or as directed by the Engineer). The section shall have 100% coverage exclusive of the outside 1 foot or so to induce cracks in the treated base course. Additional passes may be required to achieve the desired crack pattern or section modulus as directed by the Engineer. Rolling will be stopped when the average base stiffness has reduced by 40% or greater.

The following sequence shall be used unless otherwise directed by the Engineer.

Step 1: The stiffness of the base course shall be determined by the Engineer using an approved device, such as Humboldt stiffness gage. One reading shall be taken in each 100 foot section along the project. The test points shall be marked for later testing.

Step 2: After two passes with the vibratory roller the stiffness of the cement stabilized base course will be determined and the section will be inspected. Based on the target total stiffness reduction of 40%, it will be decided if additional passes are required.

Step 3: If additional passes are required, two additional passes with the vibratory roller will be made and the stiffness of the cement stabilized base will be determined. Rolling shall be stopped if the total stiffness reduction of 40% or greater is achieved. Step 3 will be repeated if total stiffness reduction of 40% has not been achieved.

Step 4: After cessation of micro-cracking, the section shall be moist cured for a period of 48 hours.

Additional Notes:

This specification is appropriate for cement stabilized bases designed to have a 7-day UCS of 500 psi.

Method of Measurement and Basis of Payment.

This work will be measured and paid for at the contract unit price per square yard for FULL DEPTH RECLAMATION (FDR) – BASE STABILIZATION, 10”.

The cement material and application will be paid for at the contract unit price per ton as CEMENT (per the application rate of 70.5 pounds per square yard).

If the material Jolena is used instead, the material and application will be paid for at the contract unit price per ton as JOLENA 50/50 MIX (per the application rate of 100.7 pounds per square yard).

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:

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
SURFACE PROFILE MILLING OF EXISTING, RECYCLED, OR RECLAIMED
FLEXIBLE PAVEMENT

Effective: April 1, 2012
Revised: June 1, 2012

All references to Divisions, Sections, and Articles in this Special Provision shall be construed to mean specific Divisions, Sections, and Articles in the Standard Specifications for Road and Bridge Construction adopted by the Department of Transportation.

Description. This work shall consist of surface profile milling existing, recycled, or reclaimed flexible pavement prior to application of a surface treatment less than or equal to 1.5 in. (38 mm) thick.

Equipment. Equipment shall be according to the following Articles of Division 1100 – Equipment.

(a) Self-Propelled Milling Machine (Note 1) 1101.16

Note 1. The self-propelled milling machine shall be capable of milling an entire lane width in a single pass and have the capability of loading the millings into a truck.

The cutting drum and teeth shall be designed to produce the required surface texture. Each tooth on the cutting drum shall produce a series of discontinuous longitudinal striations. There shall be 16 to 20 striations (tooth marks) for each tooth for each 6 ft (1.8 m) in the longitudinal direction, and each striation shall be 1.7 ± 0.2 in. (43 ± 5 mm) in length after the area is planed by the moldboard. The planed length between each pair of striations shall be 2.3 ± 0.2 in. (58 ± 5 mm). There shall be 80 to 96 rows of discontinuous longitudinal striations for each 5 ft (1.5 m) in the transverse direction. The pattern of striations shall be such that a line connecting striations in adjacent rows shall form approximately a 70 degree skew angle with the roadway centerline. The areas between the striations in both the longitudinal and transverse directions shall be flat-topped and coplanar.

The milling machine shall be capable of accurately and automatically establishing grades by use of an automatic grade control device on one side of the machine with an automatic slope control device controlling the opposite side. It shall be equipped with a traveling grade reference (averaging ski) which shall not be less than 30 feet (9 m) in length.

CONSTRUCTION REQUIREMENTS

Surface Test. The completed recycled or reclaimed pavement will be tested for smoothness in the wheel paths with a 16 ft (5 m) straightedge.

For each variation in the recycled or reclaimed pavement that exceeds 3/16 in. (5 mm), the entire area affected shall be corrected by surface profile milling. The self-propelled milling machine shall be used for surface profile milling. At any time the surface profile milling fails to produce a flat plane interspersed with the specified uniform pattern of discontinuous longitudinal striations, the surface profile milling shall be stopped until corrections are made to the equipment. The surface profile milling speed shall be limited to 60 ft/min (18 m/min). If the Contractor demonstrates that the desired striations and ride specifications are obtained at a greater speed, the Engineer may permit the Contractor to operate at an increased speed.

After surface profile milling, the recycled or reclaimed pavement shall be swept by a mechanical broom to remove all loose material from the recycled or reclaimed pavement before opening to traffic.

The Contractor shall furnish a 16 ft (5 m) straightedge and shall provide for its jobsite transportation at no additional cost to the Department.

Method of Measurement.

The surface profile milling will be measured in square yards (square meters).

Basis of Payment.

The surface profile milling will be paid for at the contract unit price per square yard (square meter) for SURFACE PROFILE MILLING.

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.

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 20 working days.

80071

NOT FOR BID

NOT FOR BID							
WAGE RATES EFFECTIVE JUNE 5, 2017							
Class	Base Wage	Foreman Wage	M-FOT	OSA	OSH	H/W	Vacation
	40.40	40.95	1.5	1.5	2.0	14.23	0.00
	37.46	39.96	1.5	1.5	2.0	11.62	0.00
	47.07	51.50	2.0	2.0	2.0	6.97	0.00
	44.88	49.37	1.5	1.5	2.0	10.25	0.00
	45.35	49.88	1.5	1.5	2.0	11.79	0.00
	42.00	44.00	2.0	1.5	2.0	10.00	0.00
	37.81	37.81	1.5	1.5	2.0	10.55	0.00
	34.25	35.75	1.5	1.5	2.0	14.12	1.41
	48.90	53.90	1.5	1.5	2.0	11.41	0.00
	38.14	53.90	1.5	1.5	2.0	8.90	0.00
	48.90	53.90	1.5	1.5	2.0	11.41	0.00
	41.46	45.19	1.5	1.5	2.0	14.97	3.25
	42.52	47.84	2.0	2.0	2.0	14.93	3.40
	41.70	43.20	1.5	2.0	2.0	13.94	0.00
	49.95	52.45	1.5	1.5	2.0	11.62	0.00
	42.00	46.20	2.0	2.0	2.0	10.54	0.00
	40.20	40.95	1.5	1.5	2.0	14.23	0.00

GRUNDY COUNTY PREVAILING WAGE RATES EFFECTIVE JUNE 5, 2017

[illegible]

MARBLE MASON	All	BLD	44.13	48.54	1.5	1.5	2.0	10.25	14.97	0.00	0.50
MATERIAL TESTER I	All	All	30.20	30.20	1.5	1.5	2.0	14.23	11.57	0.00	0.50
MATERIALS TESTER II	All	All	35.20	35.20	1.5	1.5	2.0	14.23	11.57	0.00	0.50
MILLWRIGHT	All	All	45.35	49.88	1.5	1.5	2.0	11.79	17.61	0.00	0.63
OPERATING ENGINEER	All	BLD	49.10	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	BLD	47.80	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	45.25	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	BLD	43.50	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	BLD	52.85	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	BLD	52.85	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	BLD	52.10	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	FLT	37.00	54.75	1.5	1.5	2.0	17.65	12.65	1.90	1.35
ENGINEER	All	HWY	47.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	HWY	46.75	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	HWY	44.70	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	HWY	43.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	HWY	42.10	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	HWY	50.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
ENGINEER	All	HWY	48.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
PAINTER	All	All	44.55	49.30	1.5	1.5	1.5	11.50	11.10	0.00	1.27
PAINTER	All	BLD	33.92	38.09	1.5	1.5	1.5	2.60	2.71	0.00	0.00
SIGNS											
PILEDRIIVER	All	All	45.35	47.35	1.5	1.5	2.0	11.79	17.61	0.00	0.63
PIPEFITTER	All	BLD	47.50	50.50	1.5	1.5	2.0	9.55	17.85	0.00	2.07
PLASTERER	All	BLD	42.25	44.79	1.5	1.5	2.0	13.65	8.90	5.00	0.65
PLUMBER	All	BLD	48.25	50.25	1.5	1.5	2.0	14.09	12.65	0.00	1.18
ROOFER	All	BLD	32.51	34.51	1.5	1.5	2.0	8.28	11.09	0.00	0.53
SHEETMETA	All	BLD	45.77	47.77	1.5	1.5	2.0	10.65	14.10	0.00	0.82
LWORKER											
SIGN HANGER	All	All	22.99	25.29	1.5	1.5	2.0	3.79	2.50	0.00	0.00
SPRINKLER FITTER	All	BLD	47.20	49.20	1.5	1.5	2.0	12.25	11.55	0.00	0.55
STONE MASON	All	BLD	44.88	49.37	1.5	1.5	2.0	10.25	15.30	0.00	0.85

TERRAZZO	All	BLD	39.54	39.54	1.5	1.5	2.0	10.55	11.79	0.00	0.67
FINISHER											
TERRAZZO	All	BLD	43.38	43.38	1.5	1.5	2.0	10.55	13.13	0.00	0.79
MASON											
TILE MASON	All	BLD	43.84	47.84	1.5	1.5	2.0	10.55	11.40	0.00	0.99
TRUCK	All	All	37.91	38.46	1.5	1.5	2.0	8.10	7.97	0.00	0.15
DRIVER											
TRUCK	All	All	38.06	38.46	1.5	1.5	2.0	8.10	7.97	0.00	0.15
DRIVER											
TRUCK	All	All	38.26	38.46	1.5	1.5	2.0	8.10	7.97	0.00	0.15
DRIVER											
TRUCK	All	All	38.46	38.46	1.5	1.5	2.0	8.10	7.97	0.00	0.15
DRIVER											
TUCKPOINTE	All	BLD	44.90	45.90	1.5	1.5	2.0	8.30	14.29	0.00	0.48
R											

NOT FOR BID

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, blastad equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean-up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

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

MARBLE FINISHER

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

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

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

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

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft.; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GC) 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; Sanded and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

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

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

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

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

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

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

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

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

OPERATING ENGINEERS - FLOATING
Driver. Diver Wet Tender, ROV Pilot, ROV Tender

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

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

warning lights, barricades, and portable toilets on the job site.

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

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

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

TERRAZZO FINISHER

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

Other Classifications of Work:

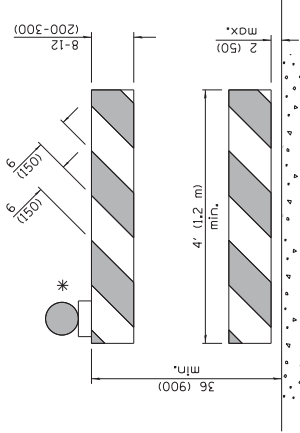
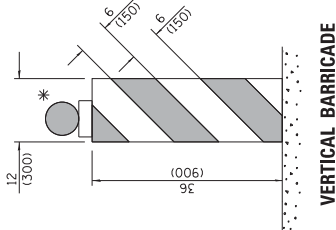
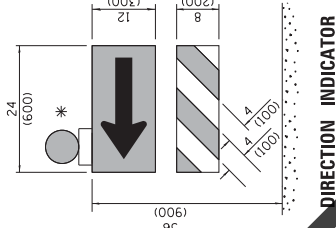
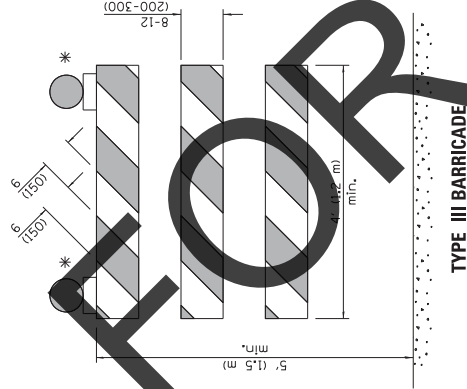
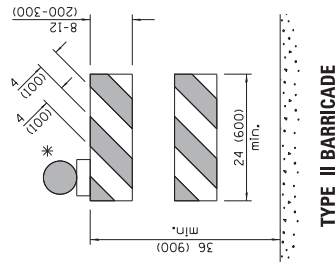
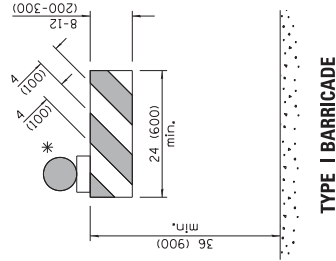
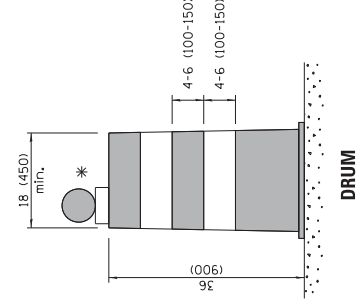
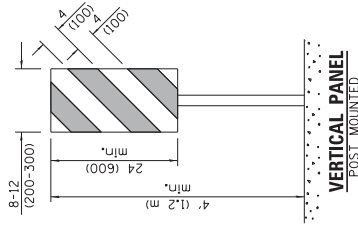
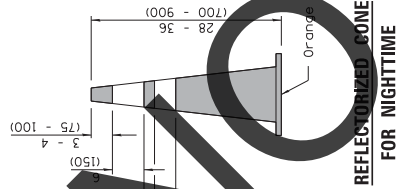
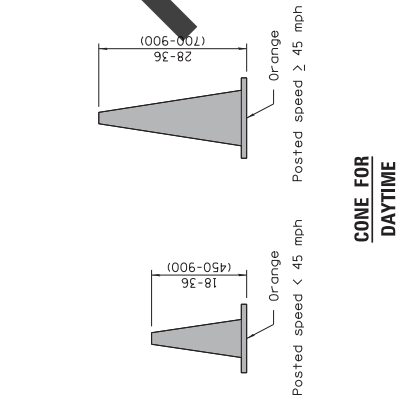
For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such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

LANDSCAPING

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

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

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



* Warning lights (if released)

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

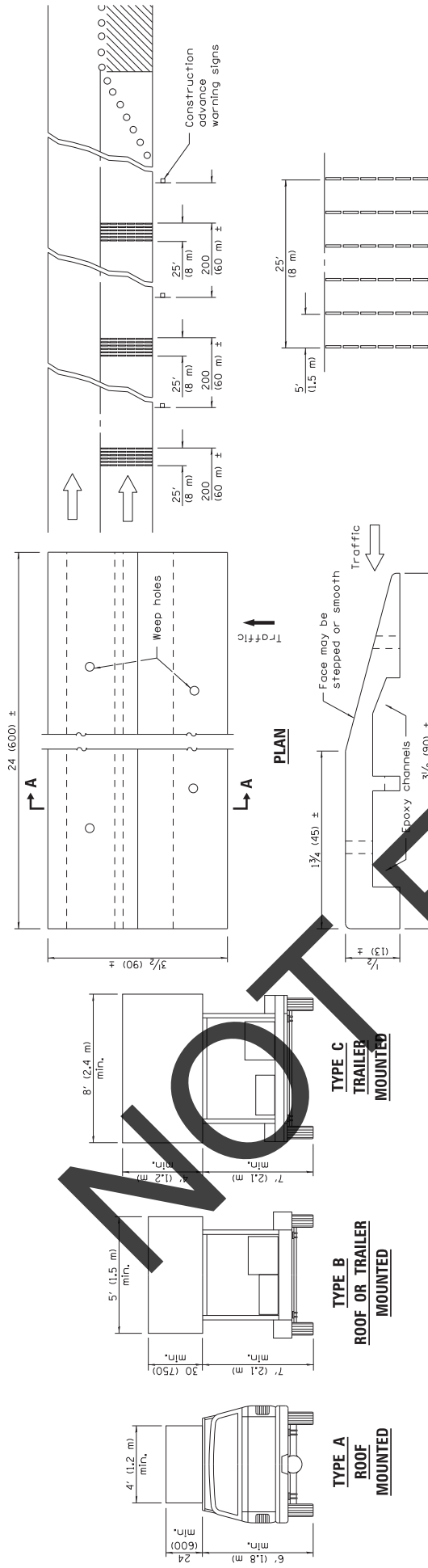
APPROVED	JANUARY 1, 2017
ENGINEER OF OPERATIONS	JANUARY 1, 2017
APPROVED	JANUARY 1, 2017
ENGINEER OF DESIGN AND ENVIRONMENT	JANUARY 1, 2017

DATE	REVISIONS
1-1-17	CHANGED FLEXIBLE DELINEATOR TO TUBULAR MARKER.
4-1-16	ADD DIM'S TO BARRICADES. REV. NOTE FOR POST MNT. SIGNS.
	REV. CONE DIMS. ADD W12-I103.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

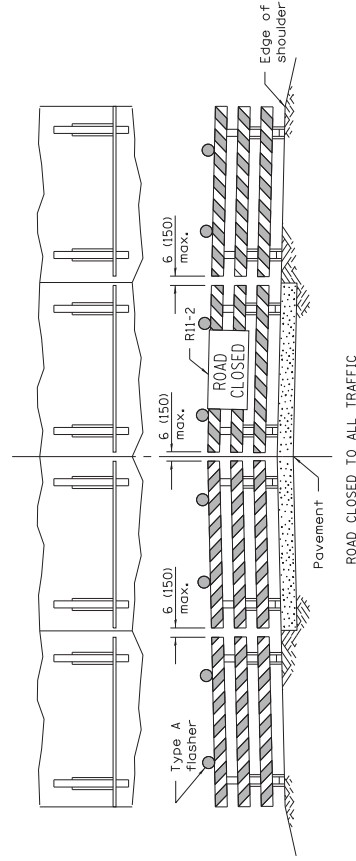
STANDARD 701901-06



TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS

SECTION A-A



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

TYPICAL APPLICATIONS OF **TYPE III BARRICADES CLOSING A ROAD**

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.

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-06



SYMBOLS

Work area

Type III Barricade

Sign with 18x18 (450x450) min.
orange flag attached

GENERAL NOTES

GENERAL NOTES

Type III Barricades and R11-2-4830 signs shall be positioned as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

Two Type A Low Intensity Flashing Lights shall be used on each approach in advance of the work area during hours of darkness. One light shall be installed above the barricades and the other above the first advance warning sign.

All warning signs shall have minimum dimensions of 36 x 36 (900 x 900) and have a black legend on an orange reflectorized background.

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

Longitudinal dimensions may be adjusted to fit field conditions.


When the distance between the barricade and the intersection is between 1500' (450 m) and 2000' (600 m), the advance sign shall be placed at the intersection. When the distance between the barricade and the intersection is over 2000' (600 m), an additional sign shall be placed at the intersection. The additional sign shall give the distance to the barricade in miles or fractions of a mile.

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

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

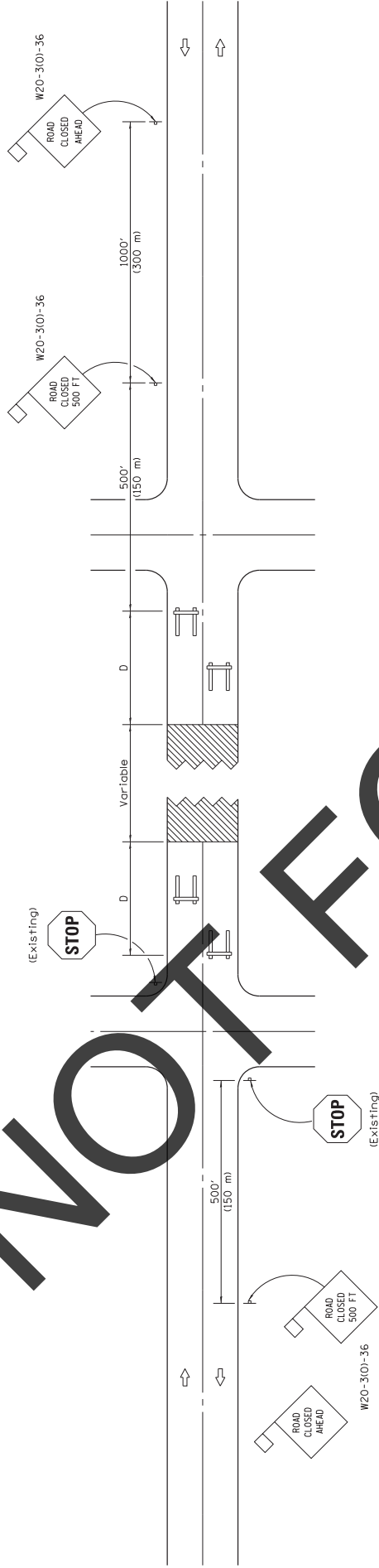
STANDARD B.L.R. 21-9

DATE	REVISIONS
1-1-12	Omitted two notes from GENERAL NOTES.
1-1-09	Switched units to English (metric).


 Illinois Department of Transportation
 APPROVED _____ January 1, 2012
Donald Davis
 ENGINEER OF LOCAL ROADS AND STREETS
 APPROVED _____ January 1, 2012
Spaeth

CONDITION I
APPROACH TRAFFIC STOPPED

CONDITION II
APPROACH TRAFFIC
DOES NOT STOP



SYMBOLS



Work area



Type III Barricade

Sign with 18x18 (450x450 mm) orange flag attached

GENERAL NOTES

Type III Barricades and R11-4-6030 signs shall be positioned as shown in the "Road Closed To All Traffic" detail on Highway Standard T01901. If the distance "D" exceeds 2000' (600 m), an additional set of barricades and R11-4-6030 shall be placed at each end of the work area.

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

All warning signs shall have minimum dimensions of 36 x 36 (900 x 900) and have a black legend on an orange reflectorized background.

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

Longitudinal dimensions may be adjusted to fit field conditions.

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

DATE	REVISIONS
1-1-12	Omitted two notes from GENERAL NOTES.
1-1-09	Revised General Notes and switched units to English (metric).

TYPICAL APPLICATION OF TRAFFIC
CONTROL DEVICES FOR CONSTRUCTION
ON RURAL LOCAL HIGHWAYS
(TWO-LANE TWO WAY RURAL TRAFFIC)
(ROAD CLOSED TO THRU TRAFFIC)

STANDARD B.L.R. 22-7

Illinois Department of Transportation	ISSUED 1-1-97
APPROVED	JANUARY 1, 2012
ENGINEER OF LOCAL ROADS AND STREETS	
APPROVED	JANUARY 1, 2012
ENGINEER OF DESIGN AND ENVIRONMENT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED

NON - MFT

SECTION: 17-13000-01-GM
TOWNSHIP HIGHWAY TR 4 - LASALLE ROAD
GRUNDY COUNTY
NETTLE CREEK TOWNSHIP
ROAD CLASSIFICATION - LOCAL ROAD
DESIGN SPEED - 30 M.P.H.

INDEX OF SHEETS

- COVER SHEET, INDEX OF SHEETS, STANDARDS, LOCATION MAP
- SUMMARY OF QUANTITIES, TYPICAL CROSS SECTION

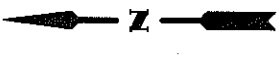
STANDARDS

- 701901-06 TRAFFIC CONTROL DEVICES, 3 SHEETS
BLR 21-9 TRAFFIC CONTROL DEVICES ON RURAL LOCAL HIGHWAYS
BLR-22-7 TRAFFIC CONTROL DEVICES ON RURAL LOCAL HIGHWAYS

PROJECT
LOCATION

NETTLE CREEK	SARATOGA	AUX SABLE
ERIENNA	MORRIS	GOOSE LAKE
NORMAN	WAUPONSEE	FELIX
VIENNA	MAZON	BRACEVILLE
HIGHLAND	GOODFARM	GARFIELD

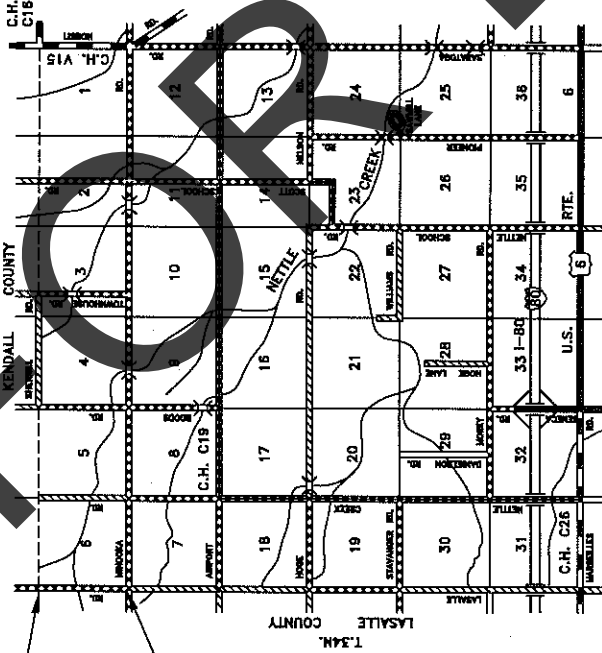
GRUNDY COUNTY



North
Scale: AS NOTED

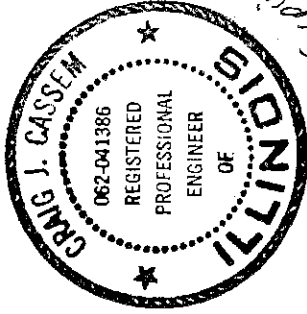
PROPOSED IMPROVEMENT
ENDS STA. 52+80

PROPOSED IMPROVEMENT
BEGINS STA. 0+00



LOCATION MAP

GROSS LENGTH: 5,280 FEET = 1.000 MILES
OMISSIONS: 0 FEET = 0.000 MILES
NET LENGTH: 5,280 FEET = 1.000 MILES



UTILITIES

JULIE 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 July 28 2017

CRAIG J. CASSEM
GRUNDY COUNTY ENGINEER

PASSED _____ 20 ____

DISTRICT ENGINEER OF LOCAL ROADS & STREETS

APPROVED _____ 20 ____

DISTRICT ENGINEER

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SCALES

{

PLAN

1 INCH =

FT.

{

PROFILE, HOR.

1 INCH =

FT.

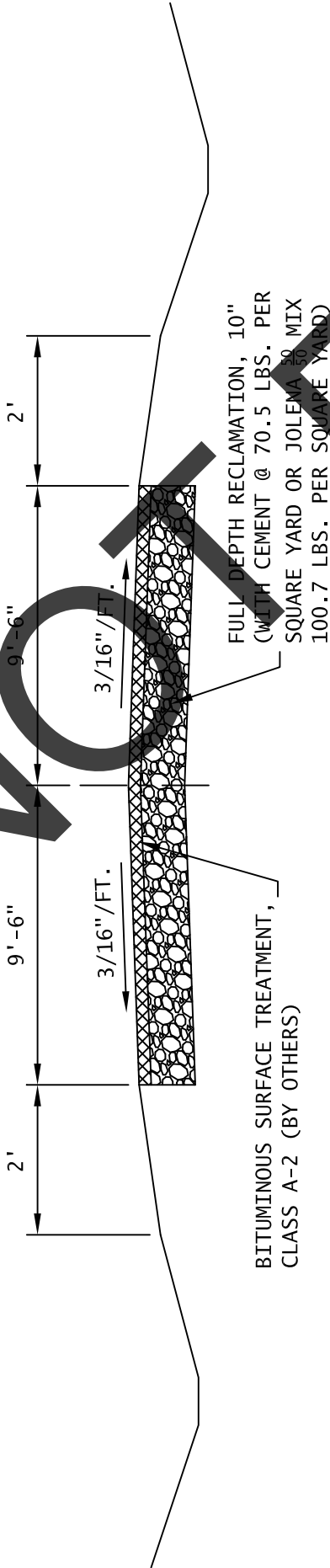
{

PROFILE, VERT.

1 INCH =

FT.

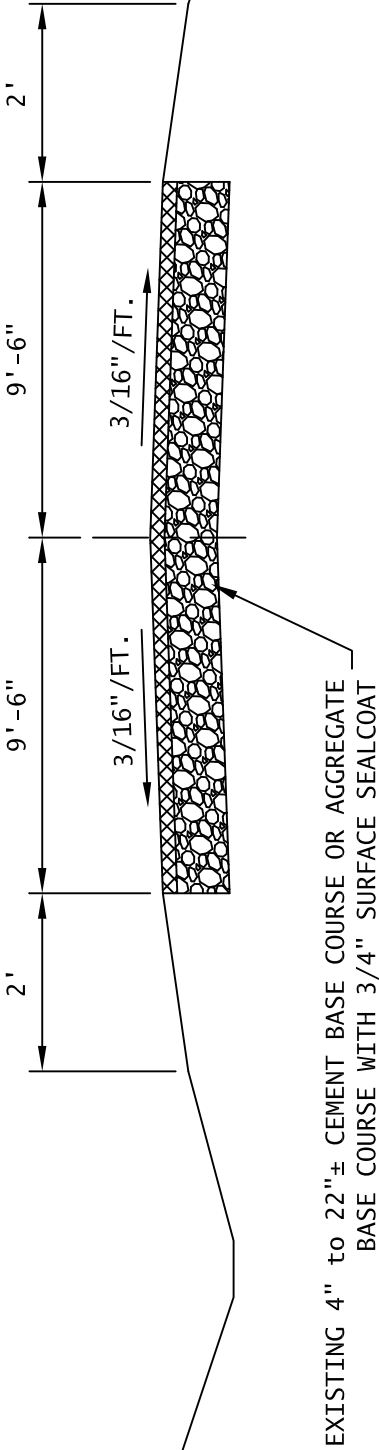
PROPOSED TYPICAL CROSS SECTION



SUMMARY OF QUANTITIES

FULL DEPTH RECLAMATION (FDR) BASE STABILIZATION, 10"	11,147	SQ.YD.
CEMENT (ALTERNATE BID 1)	394	TONS
JOLENA 50 MIX (ALTERNATE BID 2)	562	TONS
SURFACE PROFILE MILLING	11,147	SQ.YD.

EXISTING TYPICAL CROSS SECTION



ROUTE	GROSS LENGTH FEET	OMISSION FEET	NET LENGTH FEET	MILES
TR 4	5,280	0	5,280	1.000
TOTALS	5,280	0	5,280	1.000

REVISED: 7-27-17

SUBMITTED _____ 2017

APPROVED _____ 2017

GRUNDY COUNTY ENGINEER

DISTRICT/REGIONAL ENGINEER