



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

FOR THE IMPROVEMENT OF
 STREET NAME OR ROUTE NO. Various
 SECTION NO. 15-00000-05-GM
 TYPES OF FUNDS MFT

RESIDENTIAL STREET LIGHT LED LUMINAIRE REPLACEMENT

SPECIFICATIONS (required) PLANS (required)

15076(5)

For Municipal Projects
 Submitted/Approved/Passed

 Mayor President of Board of Trustees Municipal Official
 Date March 11, 2015

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 COOK
Local Public Agency CITY OF BERWYN
Section Number 15-00000-05-GM
Route VARIOUS

Sealed proposals for the improvement described below will be received at the office of the City Clerk, City of Berwyn, 6700 W. 26th Street, Berwyn, IL 60402 until 10:00 am on December 16, 2015

Sealed proposals will be opened and read publicly at the office of the City of Berwyn 6700 W. 26th Street, Berwyn, IL 60402 at 10:00 am on December 16, 2015

DESCRIPTION OF WORK

Name Residential Street Light Led Luminaire Replacement Length: feet (miles)
Location Various locations throughout the City of Berwyn
Proposed Improvement Replacement of existing residential high pressure sodium luminaires with new LED luminaires.

- 1. Plans and proposal forms will be available in the office of Thomas R. Brandstedt, P.E., Frank Novotny & Assoc., Inc., 545 Plainfield Road, Suite A, Willowbrook, IL 60527, (630) 887-8640, for a non-refundable fee of \$50.00.
2. Prequalification
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
a. BLR 12200: Local Public Agency Formal Contract Proposal
b. BLR 12200a Schedule of Prices
c. BLR 12230: Proposal Bid Bond (if applicable)
d. BLR 12325: Apprenticeship or Training Program Certification (do not use for federally funded projects)
e. BLR 12326: Affidavit of Illinois Business Office
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract.
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.
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.
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 COOK
Local Public Agency CITY OF BERWYN
Section Number 15-00000-05-GM
Route VARIOUS

1. Proposal of
for the improvement of the above section by the construction of replacement of existing residential high pressure sodium luminaires with new LED luminaires

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

2. The plans for the proposed work are those prepared by Frank Novotny & Associates, Inc., 825 Midway Drive, Willowbrook, IL 60527, (630) 887-8640

and approved by the Department of Transportation on

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

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

5. The undersigned agrees to complete the work within working days or by April 29, 2016 unless additional time is granted in accordance with the specifications.

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

City Treasurer of City of Berwyn

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 BLR 12200a covering the work to be performed under this contract.

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

CONTRACTOR CERTIFICATIONS

| | |
|---------------------|----------------|
| County | COOK |
| Local Public Agency | CITY OF BERWYN |
| Section Number | 15-00000-05-GM |
| Route | VARIOUS |

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 | <u>COOK</u> |
| Local Public Agency | <u>CITY OF BERWYN</u> |
| Section Number | <u>15-00000-05-GM</u> |
| Route | <u>VARIOUS</u> |

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Business Address _____

Inset Names and Addressed of All Partners



(If a corporation)

Corporate Name _____

Signed By _____

Business Address _____

Inset Names of Officers



President _____

Secretary _____

Treasurer _____

Attest: _____



RETURN WITH BID

| | |
|--------------|-----------------------|
| Route | <u>VARIOUS</u> |
| County | <u>COOK</u> |
| Local Agency | <u>CITY OF BERWYN</u> |
| Section | <u>15-00000-05-GM</u> |

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: _____



Special Provisions

The following Special Provisions supplement the "Standard Specifications for the Road and Bridge Construction," adopted **January 1, 2012**, 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 for bids, and the "Supplemental Specifications and Recurring Special Provisions" indicated on the Check Sheet included herein which apply to and govern the construction of Section No. 15-00000-05-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 Project: This work shall be performed at various locations throughout the City of Berwyn.

Description of Project: Replacement of existing residential high pressure sodium luminaires with new LED luminaires.

Working Days: Except for such work as may be required to properly maintain lights and barricades, no work be permitted on Sundays or legal holidays, and on weekends between 7:00 pm and 7:00 am. On Saturdays, no work shall begin before 8:00 am without specific permission of the Engineer. Exceptions will be granted for work with special needs that can be performed without adversely affecting the residents.

*** SPECIAL PROVISION ***

PUBLIC NOTIFICATION: When directed by the Owner to notify the public that certain activities included in this project may adversely affect or remove access to their property, buildings, or surroundings, the Contractor will be required to distribute "NOTICES" door to door. This may be necessary when driveway access is altered or removed, water service is to be interrupted, or when any other situation that requires the public to be notified. The Contractor shall furnish all necessary personnel to properly distribute said "NOTICES" as directed by the Owner or the Engineer in a time period 72 hours prior to start of work. All "NOTICES" shall be drafted by the Owner and/or Engineer and furnished to the Contractor for distribution. No "NOTICES" will be distributed that are not endorsed by the Owner or that are not on the Owner's letterhead. No additional compensation will be allowed for this effort.

INCIDENTAL CONSTRUCTION: Whenever the performance of work is indicated on the Plans or required in the Specifications and no provision is included in the Contract for payment, the work shall be considered incidental to the Contract and no additional compensation will be allowed. If such work is included on the Plans and not the Specifications, or vice versa, it shall be considered to be required in both and included in the work required under the Contract.

SPECIAL PROVISION

INSURANCE PROVISIONS – COMPLETE

Description: This item shall consist of the Contractor's efforts to protect the Owner, the Engineer, and any other parties listed herein, from any adverse actions that may result because of the construction activities by the Contractor or any of his Subcontractors. This shall include the Hold Harmless Provisions, as outlined below, and the necessary Insurance Provisions complete as described herein. All of the following provisions are included:

Hold Harmless Provisions

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify, and hold harmless the Owner, its officials, agents, employees, and volunteers, its Engineer, Frank Novotny & Associates, Inc. and its agents and employees, and the Engineer's Consultants and their respective agents and employees, herein referred to as Indemnitees, from and against any and all claims for injuries, deaths, damages, losses, patent claims, suits, liabilities, judgments, economic losses and expenses, including but not limited to, attorney's fees arising out of or resulting from the performance of work under this Contract, provided that such claim, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of, tangible property (other than the work itself) including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, excluding any apportionate amount of any claim, damage, loss, or expense which is caused by a party indemnified hereunder. Such obligations shall not be construed as to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or persons described in this paragraph. The Contractor shall, at his own expense, appear, defend, and pay all charges of attorneys and all costs and other expenses arising therefrom, or in connection therewith, and if any judgment shall be rendered against the Owner, its officials, agents, employees, or Frank Novotny & Associates, Inc. and its agents and employees, or their Subcontractors in any action, the Contractor shall at his own expense satisfy and discharge the same.

In any claims against any person or entity indemnified under this paragraph by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under this paragraph shall not be limited by a limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or a Subcontractor under worker's or workmen's compensation acts, disability benefits acts, or other employee benefit acts. Frank Novotny & Associates, Inc. is intended to be a third party beneficiary under this Contract.

The Contractor expressly understands and agrees that any performance bond or insurance policies required by this Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Owner, its officials, agents, employees and Frank Novotny & Associates, Inc. and its agents and employees as herein provided.

SPECIAL PROVISION

INSURANCE PROVISIONS – COMPLETE, Cont'd.

The Contractor further agrees, that to the extent that money is due the Contractor by virtue of this Contract, and as shall be considered necessary in the judgment of the Owner, funds may be retained by the Owner to protect itself and/or the Engineer against said loss until such claims, suits, or judgments shall have been settled or discharged and/or evidence to that effect shall have been furnished to the satisfaction of the Owner and the Engineer.

The Contractor and any Subcontractor engaged in the performance of any work on this project agree to assume the entire liability for all personal injury claims suffered by its own employees, including without limitation, claims asserted by persons allegedly injured on the project; waives any limitation of liability defense based upon the Worker's Compensation Act, court interpretations of said Act or otherwise; and agree to indemnify and defend the Owner and the Engineer and their agents, employees, and consultants (the "Indemnitees") from and against all such loss, expense, damage or injury, including reasonable attorneys' fees, that the Indemnitees may sustain as a result of such claims, except to the extent that Illinois law prohibits indemnity for the Indemnitees' own negligence.

Insurance

Pursuant to the Hold Harmless Provisions as outlined above, the Contractor shall secure and maintain in effect at all times, at his expense, insurance of the following kinds and limits to cover all locations of the Contractor's operations, including all his Subcontractors, in connection with work on this project. The Contractor shall furnish Certificates of Insurance to the Owner and to the Engineer **before starting construction**, or within ten (10) days after the execution of the Contract by the Owner, whichever date is reached first. **If the Contractor fails to meet this time requirement for submitting the insurance to the Owner and to the Engineer, working days shall be assessed in accordance with Article 108.04 of the Standard Specifications, regardless of the fact that the Contractor may not commence with work due to his failure or inability to provide the necessary insurance as noted herein.** All insurance shall include a non-cancellation clause provision preventing cancellation without thirty (30) days written prior notice to the Owner and to the Engineer, and shall remain in effect throughout the life of the project.

Please take note that all of the insurance noted below is required. For example, the OWNER and FRANK NOVOTNY & ASSOCIATES, INC. must be named as additional insureds on a "primary, non-contributory basis" for Part 1 noted below. Also, a **separate** OCP policy naming the **OWNER & FRANK NOVOTNY & ASSOCIATES, INC. as the "NAMED INSURED"** must also be obtained as outlined under Part 2 below, and all insurance noted under Parts 3, 4 and 5 below must be provided, unless specifically deleted for this project.

SPECIAL PROVISION

INSURANCE PROVISIONS – COMPLETE, Cont'd.

A. Minimum Limits of Insurance

Contractor and his Subcontractors shall maintain limits of no less than:

1. Contractors-

Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. The general aggregate shall be twice the required occurrence limit. Minimum General Aggregate shall be no less than \$2,000,000. The General Liability Policy shall include coverage for Contractual Liability and Broad Form Property Damage Coverage. OWNER and FRANK NOVOTNY & ASSOCIATES, INC. shall be named as Additional Insureds on a Primary Non-Contributory basis. All coverage afforded the "Additional Insureds" shall be for all ongoing and completed operations performed by the Contractor, their subcontractor(s) and/or supplier(s), and anyone directly or indirectly employed by them for all work associated with this project. The Policy will include a Per Project Aggregate Endorsement. Also, any "XCU Exclusions" shall be deleted.

The coverage to be afforded under this section is applicable to the work associated with the project, as outlined in this document, for claims arising from the negligent acts and/or omissions of the Contractor, their subcontractor(s) and/or supplier(s), and anyone directly or indirectly employed by them.

2. Owners and Engineers-

Contractors Protective Liability: An OCP Policy shall also be provided having limits of \$1,000,000 combined single limit per occurrence for bodily injury and property damage. The general aggregate shall be twice the required occurrence limit. Minimum General Aggregate shall be no less than \$2,000,000. The General Liability Policy shall include coverage for Contractual Liability. The OWNER and FRANK NOVOTNY & ASSOCIATES, INC. will be the named insureds on this OCP Policy. There will be NO deductible or self-insured retention amount due on this OCP policy.

The coverage afforded by this OCP policy shall be primary and at no time shall any endorsements, additional forms, or riders be attached that would modify or limit said coverage.

3. Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage for any vehicle owned, leased, hired, or non-owned, used by the Contractor.

SPECIAL PROVISION

INSURANCE PROVISIONS – COMPLETE, Cont’d.

4. Workers' Compensation and Employers' Liability: Workers' Compensation limits and coverage for the specific type of work being performed as required by the Labor Code of the State of Illinois and Employers' Liability limits of \$1,000,000 per accident. The Policy will also include a Waiver of Subrogation in favor of the OWNER and FRANK NOVOTNY & ASSOCIATES, INC.

The coverage to be afforded under this section is applicable to the work associated with the project, as outlined in this document, for claims arising from the negligent acts and/or omissions of the Contractor, their subcontractor(s) and/or supplier(s), and anyone directly or indirectly employed by them.

5. Umbrella Liability: Umbrella Liability Policy for not less than \$2,000,000.

Insurance under Parts 6, 7 and 8 below will be required if indicated by an "X".

- _____ 6. Installation Floater: Contractor shall maintain "All Risk" coverage for construction materials going to the job site, at temporary storage locations, and at the job site.
- _____ 7. Builder's Risk: Shall insure against "All Risk" of physical damage for losses including but not limited to: fire, explosion, hail, lightning, vandalism, malicious mischief, wind, collapse, riot, aircraft, theft, smoke and water damage (flood and hydrostatic pressure not excluded), during the Contract time, on a completed value basis and in an amount not less than the Contract price totaled in the bid. The Policy will include "Theft of Building Materials" and "Soft Costs" coverages.
- _____ 8. Supplemental Insurance Coverage: Should the project require "supplemental" insurance coverage as deemed necessary by the Owner and/or Engineer, it shall be provided as outlined below:

| <u>Type of Insurance</u> | <u>Limit Required</u> |
|--------------------------|-----------------------|
| a. _____ | \$ _____ |
| b. _____ | \$ _____ |
| c. _____ | \$ _____ |

Note: If "Contractor's Pollution Liability Insurance" is required as indicated above, both the OWNER and FRANK NOVOTNY & ASSOCIATES, INC. shall be named as "Additional Insureds" on a Primary Non-Contributory basis on that policy.

SPECIAL PROVISION

INSURANCE PROVISIONS – COMPLETE, Cont'd.

B. Contractor's Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions shall be the sole responsibility of the Contractor.

C. Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

All Coverages: Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled, reduced in coverage or in limits except after thirty (30) days prior written notice has been given to the Owner and the Engineer. It shall be the Contractor's responsibility to insure that said Notice is delivered to both the Owner and the Engineer by Certified Mail, "Return Receipt Requested".

D. Acceptability of Insurers

Insurance is to be placed with insurers with an A.M. Best's rating of A-, VIII, or higher.

E. Verification of Coverage

1. Contractor's Insurance:

Contractor shall furnish the Owner and the Engineer with "**Certificates of Insurance**" evidencing coverage required by this Section. The **Certificates** for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The **Certificates** shall be on standard forms provided by the insurance company or agent and are to be received and approved by the Owner and Engineer **before any work commences**. The Owner reserves the right to request full certified copies of the insurance policies. No manuscript policies will be allowed. (SEE SAMPLE "CERTIFICATE OF INSURANCE" ENCLOSED HEREIN.)

2. OCP Policy:

Contractor shall furnish the Owner and the Engineer with an "**Insurance Binder**" evidencing that the aforementioned coverage is bound by the Company to protect the Owner and the Engineer. This Insurance Binder shall be on the standard form provided by the insurance company or agent and is to be received and approved by the Owner and Engineer **before any work commences**.

SPECIAL PROVISION

INSURANCE PROVISIONS – COMPLETE, Cont'd.

When issued, the original OCP POLICY shall be sent directly to the office of the Engineer, Frank Novotny & Associates, Inc., 825 Midway Drive, Willowbrook, IL, 60527. No manuscript policies will be allowed.

3. It should also be noted that the Contractor is required to provide all the coverages specified herein, as well as assume the obligations of the conditions and requirements as stated herein. **The mere acceptance of the Insurance Certificates/Binder by the Owner or the Engineer shall not relieve the Contractor from any obligation for providing the protection required in these Specifications.**

F. Subcontractors

Contractor shall include all Subcontractors as insureds under its policies or shall furnish separate **Certificates** for each Subcontractor. All coverages for Subcontractors shall be subject to all of the requirements stated herein, excluding the requirement for obtaining a separate "OCP Policy" as may be stated herein.

Basis of Payment: This item shall be paid for at the Contract lump sum price for **INSURANCE PROVISIONS – COMPLETE**, which price shall be payment in full for providing all insurance as noted herein, including the cost of the OCP policy.

Payment will be made on the basis of the ratio of the total amount of work completed to date to the total value of the work required to be performed. **All insurance, including the OCP Policy, shall remain in full force and effect until the project has been accepted by the Owner, acceptance being defined elsewhere in these Specifications.**

Payment will not be made under this item if the actual OCP policy contains any riders, endorsements, or additional forms which limit or modify the coverage required herein. **Failure to procure all required insurance coverage shall be considered a breach of Contract.**



INSURANCE BINDER

Date (MM/DD/YYYY)

THIS BINDER IS A TEMPORARY INSURANCE CONTRACT, SUBJECT TO THE CONDITIONS SHOWN ON THE REVERSE SIDE OF THIS FORM.

| | | | | | |
|---|--|---|--|--|--|
| AGENCY | | COMPANY | | BINDER | |
| Phone (A/C. No. Ext) | | FAX (A/C. No. Ext) | | SUB CODE: | |
| AGENCY CUSTOMER NO. | | INSURED | | OWNER and FRANK NOVOTNY & ASSOCIATES, Inc. | |
| DATE | | EFFECTIVE TIME | | DATE | |
| | | | | 12:01 AM NOON | |
| THIS BINDER IS ISSUED TO EXTEND COVERAGE IN THE ABOVE NAMED COMPANY PER EXPIRING POLICY # | | DESCRIPTION OF OPERATIONS/VEHICLES/PROPERTY (Including Location) CITY OF BERWYN RESIDENTIAL STREET LIGHT LED LUMINAIRE REPLACEMENT, BERWYN, IL FNA PROJECT NO. 15076(5) | | | |

COVERAGES

LIMITS

| TYPE OF INSURANCE | COVERAGE/FORMS | DEDUCTIBLE | CONS % | AMOUNT |
|---|----------------------------|------------------------------|--------|---------------------|
| PROPERTY CAUSES OF LOSS <input type="checkbox"/> BASIC <input type="checkbox"/> BROAD <input type="checkbox"/> SPEC | | | | |
| GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> OWNERS & CONTRACTORS PROTECTIVE (OCP) | RETRO DATE FOR CLAIMS MADE | EACH OCCURRENCE | | \$ 1,000,000 |
| | | DAMAGE TO RENTED PREMISES | | \$ |
| | | MED EXP (Any one person) | | \$ |
| | | PERSONAL & ADV INJURY | | \$ |
| | | GENERAL AGGREGATE | | \$ 2,000,000 |
| | | PROJECTS - COMP/OP AGGR | | \$ |
| | | COMBINED SINGLE LIMIT | | \$ |
| | | BODILY INJURY (Per person) | | \$ |
| | | BODILY INJURY (Per accident) | | \$ |
| | | PROPERTY DAMAGE | | \$ |
| | | MEDICAL PAYMENTS | | \$ |
| | | PERSONAL INJURY MOTORIST | | \$ |
| | | UNINSURED MOTORIST | | \$ |
| VEHICLE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTO | | | | |
| VEHICLE PHYSICAL DAMAGE DED <input type="checkbox"/> ALL VEHICLES <input type="checkbox"/> SCHEDULED VEHICLES | | ACTUAL CASH VALUE | | \$ |
| <input type="checkbox"/> COLLISION <input type="checkbox"/> OTHER THAN COL | | STATED AMOUNT | | \$ |
| GARAGE LIABILITY <input type="checkbox"/> ANY AUTO | RETRO DATE FOR CLAIMS MADE | AUTO ONLY - EA ACCIDENT | | \$ |
| | | OTHER THAN AUTO ONLY | | \$ |
| | | EACH ACCIDENT | | \$ |
| | | AGGREGATE | | \$ |
| EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM | | EACH OCCURRENCE | | \$ |
| | | AGGREGATE | | \$ |
| | | SELF-INSURED RETENTION | | \$ |
| | | WC STATUTORY LIMITS | | \$ |
| | | E.L. EACH ACCIDENT | | \$ |
| | | E.L. DISEASE - EA EMPLOYEE | | \$ |
| | | E.L. DISEASE - POLICY LIMIT | | \$ |
| | | FEES | | \$ |
| | | TAXES | | \$ |
| SPECIAL CONDITIONS/ OTHER COVERAGES | | ESTIMATED TOTAL PREMIUM | | \$ |

NAME & ADDRESS

OWNER (Including its officials, employees and volunteers)
and
FRANK NOVOTNY & ASSOCIATES, INC. (Including its agents and employees)

| | |
|---------------------------|--------------------|
| MORTGAGEE LOSS PAYEE | ADDITIONAL INSURED |
| LOAN # | |
| AUTHORIZED REPRESENTATIVE | |

Cook County Prevailing Wage for July 2015

(See explanation of column headings at bottom of wages)

| Trade Name | RG | TYP | C | Base | FRMAN | M-F>8 | OSA | OSH | H/W | Pensn | Vac | Trng |
|-------------------------------|---------|-----|---|--------|--------|-------|-----|-----|-------|-------|-------|-------|
| ASBESTOS ABT-GEN | ALL | | | 39.400 | 39.950 | 1.5 | 1.5 | 2.0 | 13.98 | 10.72 | 0.000 | 0.500 |
| ASBESTOS ABT-MEC | BLD | | | 36.340 | 38.840 | 1.5 | 1.5 | 2.0 | 11.47 | 10.96 | 0.000 | 0.720 |
| BOILERMAKER | BLD | | | 47.070 | 51.300 | 2.0 | 2.0 | 2.0 | 6.970 | 18.13 | 0.000 | 0.400 |
| BRICK MASON | BLD | | | 43.780 | 48.160 | 1.5 | 1.5 | 2.0 | 10.05 | 14.43 | 0.000 | 1.030 |
| CARPENTER | ALL | | | 44.350 | 46.350 | 1.5 | 1.5 | 2.0 | 11.79 | 16.39 | 0.000 | 0.630 |
| CEMENT MASON | ALL | | | 43.750 | 45.750 | 2.0 | 1.5 | 2.0 | 13.05 | 14.45 | 0.000 | 0.480 |
| CERAMIC TILE FNSHER | BLD | | | 36.810 | 0.000 | 1.5 | 1.5 | 2.0 | 10.55 | 9.230 | 0.000 | 0.770 |
| COMM. ELECT. | BLD | | | 40.000 | 42.800 | 1.5 | 1.5 | 2.0 | 8.670 | 12.57 | 1.100 | 0.750 |
| ELECTRIC PWR EQMT OP | ALL | | | 46.100 | 51.100 | 1.5 | 1.5 | 2.0 | 10.76 | 14.87 | 0.000 | 0.460 |
| ELECTRIC PWR GRNDMAN | ALL | | | 37.050 | 52.500 | 1.5 | 2.0 | 2.0 | 8.630 | 12.28 | 0.000 | 0.370 |
| ELECTRIC PWR LINEMAN | ALL | | | 47.500 | 52.500 | 1.5 | 2.0 | 1.5 | 11.06 | 15.75 | 0.000 | 0.480 |
| ELECTRICIAN | ALL | | | 45.000 | 48.000 | 1.5 | 1.5 | 2.0 | 13.83 | 15.27 | 0.000 | 1.000 |
| ELEVATOR CONSTRUCTOR | BLD | | | 50.800 | 57.150 | 2.0 | 2.0 | 2.0 | 13.57 | 14.21 | 4.060 | 0.600 |
| FENCE ERECTOR | ALL | | | 37.340 | 39.340 | 1.5 | 1.5 | 2.0 | 13.05 | 12.06 | 0.000 | 0.300 |
| GLAZIER | BLD | | | 40.500 | 42.000 | 1.5 | 2.0 | 2.0 | 13.14 | 16.99 | 0.000 | 0.940 |
| HT/FROST INSULATOR | BLD | | | 48.450 | 50.950 | 1.5 | 1.5 | 2.0 | 11.47 | 12.16 | 0.000 | 0.720 |
| IRON WORKER | ALL | | | 44.200 | 46.200 | 2.0 | 2.0 | 2.0 | 13.65 | 21.14 | 0.000 | 0.350 |
| LABORER | ALL | | | 39.200 | 39.950 | 1.5 | 1.5 | 2.0 | 13.98 | 10.72 | 0.000 | 0.500 |
| LATHER | ALL | | | 44.350 | 46.350 | 1.5 | 1.5 | 2.0 | 13.29 | 16.39 | 0.000 | 0.630 |
| MACHINIST | BLD | | | 45.350 | 47.850 | 1.5 | 1.5 | 2.0 | 7.260 | 8.950 | 1.850 | 0.000 |
| MARBLE FINISHERS | ALL | | | 32.400 | 34.320 | 1.5 | 1.5 | 2.0 | 10.05 | 13.75 | 0.000 | 0.620 |
| MARBLE MASON | BLD | | | 43.030 | 47.330 | 1.5 | 1.5 | 2.0 | 10.05 | 14.10 | 0.000 | 0.780 |
| MATERIAL TESTER I | ALL | | | 29.200 | 0.000 | 1.5 | 1.5 | 2.0 | 13.98 | 10.72 | 0.000 | 0.500 |
| MATERIALS TESTER II | ALL | | | 34.200 | 0.000 | 1.5 | 1.5 | 2.0 | 13.98 | 10.72 | 0.000 | 0.500 |
| MILLWRIGHT | ALL | | | 44.350 | 46.350 | 1.5 | 1.5 | 2.0 | 13.29 | 16.39 | 0.000 | 0.630 |
| OPERATING ENGINEER | BLD 1 | | | 48.100 | 52.100 | 2.0 | 2.0 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | BLD 2 | | | 46.800 | 52.100 | 2.0 | 2.0 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | BLD 3 | | | 44.250 | 52.100 | 2.0 | 2.0 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | BLD 4 | | | 42.500 | 52.100 | 2.0 | 2.0 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | BLD 5 | | | 51.850 | 52.100 | 2.0 | 2.0 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | BLD 6 | | | 49.100 | 52.100 | 2.0 | 2.0 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | BLD 7 | | | 51.100 | 52.100 | 2.0 | 2.0 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | FLT 1 | | | 53.600 | 53.600 | 1.5 | 1.5 | 2.0 | 17.10 | 11.80 | 1.900 | 1.250 |
| OPERATING ENGINEER | FLT 2 | | | 52.100 | 53.600 | 1.5 | 1.5 | 2.0 | 17.10 | 11.05 | 1.900 | 1.250 |
| OPERATING ENGINEER | FLT 3 | | | 46.400 | 53.600 | 1.5 | 1.5 | 2.0 | 17.10 | 11.80 | 1.900 | 1.250 |
| OPERATING ENGINEER | FLT 4 | | | 38.550 | 53.600 | 1.5 | 1.5 | 2.0 | 17.10 | 11.80 | 1.900 | 1.250 |
| OPERATING ENGINEER | FLT 5 | | | 55.100 | 53.600 | 1.5 | 1.5 | 2.0 | 17.10 | 11.80 | 1.900 | 1.250 |
| OPERATING ENGINEER | FLT 6 | | | 35.000 | 35.000 | 1.5 | 1.5 | 2.0 | 16.60 | 11.05 | 1.900 | 1.250 |
| OPERATING ENGINEER | HWY 1 | | | 46.300 | 50.300 | 1.5 | 1.5 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | HWY 2 | | | 45.750 | 50.300 | 1.5 | 1.5 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | HWY 3 | | | 43.700 | 50.300 | 1.5 | 1.5 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | HWY 4 | | | 42.300 | 50.300 | 1.5 | 1.5 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | HWY 5 | | | 41.100 | 50.300 | 1.5 | 1.5 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | HWY 6 | | | 49.300 | 50.300 | 1.5 | 1.5 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| OPERATING ENGINEER | HWY 7 | | | 47.300 | 50.300 | 1.5 | 1.5 | 2.0 | 17.55 | 12.65 | 1.900 | 1.250 |
| ORNAMNTL IRON WORKER | ALL | | | 45.000 | 47.500 | 2.0 | 2.0 | 2.0 | 13.55 | 17.94 | 0.000 | 0.650 |
| PAINTER | ALL | | | 41.750 | 46.500 | 1.5 | 1.5 | 1.5 | 11.50 | 11.10 | 0.000 | 0.770 |
| PAINTER SIGNS | BLD | | | 33.920 | 38.090 | 1.5 | 1.5 | 1.5 | 2.600 | 2.710 | 0.000 | 0.000 |
| PILEDRIIVER | ALL | | | 44.350 | 46.350 | 1.5 | 1.5 | 2.0 | 13.29 | 16.39 | 0.000 | 0.630 |
| PIPEFITTER | BLD | | | 46.000 | 49.000 | 1.5 | 1.5 | 2.0 | 9.000 | 15.85 | 0.000 | 1.780 |
| PLASTERER | BLD | | | 43.430 | 46.040 | 1.5 | 1.5 | 2.0 | 13.05 | 14.43 | 0.000 | 1.020 |
| PLUMBER | BLD | | | 46.650 | 48.650 | 1.5 | 1.5 | 2.0 | 13.18 | 11.46 | 0.000 | 0.880 |
| ROOFER | BLD | | | 41.000 | 44.000 | 1.5 | 1.5 | 2.0 | 8.280 | 10.54 | 0.000 | 0.530 |
| SHEETMETAL WORKER | BLD | | | 42.230 | 45.610 | 1.5 | 1.5 | 2.0 | 10.53 | 20.68 | 0.000 | 0.720 |
| SIGN HANGER | BLD | | | 31.310 | 33.810 | 1.5 | 1.5 | 2.0 | 4.850 | 3.280 | 0.000 | 0.000 |
| SPRINKLER FITTER | BLD | | | 49.200 | 51.200 | 1.5 | 1.5 | 2.0 | 11.75 | 9.650 | 0.000 | 0.550 |
| STEEL ERECTOR | ALL | | | 42.070 | 44.070 | 2.0 | 2.0 | 2.0 | 13.45 | 19.59 | 0.000 | 0.350 |
| STONE MASON | BLD | | | 43.780 | 48.160 | 1.5 | 1.5 | 2.0 | 10.05 | 14.43 | 0.000 | 1.030 |
| SURVEY WORKER-> NOT IN EFFECT | ALL | | | 37.000 | 37.750 | 1.5 | 1.5 | 2.0 | 12.97 | 9.930 | 0.000 | 0.500 |
| TERRAZZO FINISHER | BLD | | | 38.040 | 0.000 | 1.5 | 1.5 | 2.0 | 10.55 | 11.22 | 0.000 | 0.720 |
| TERRAZZO MASON | BLD | | | 41.880 | 44.880 | 1.5 | 1.5 | 2.0 | 10.55 | 12.51 | 0.000 | 0.940 |
| TILE MASON | BLD | | | 43.840 | 47.840 | 1.5 | 1.5 | 2.0 | 10.55 | 11.40 | 0.000 | 0.990 |
| TRAFFIC SAFETY WRKR | HWY | | | 32.750 | 34.350 | 1.5 | 1.5 | 2.0 | 6.550 | 6.450 | 0.000 | 0.500 |
| TRUCK DRIVER | E ALL 1 | | | 35.480 | 35.680 | 1.5 | 1.5 | 2.0 | 8.350 | 10.50 | 0.000 | 0.150 |
| TRUCK DRIVER | E ALL 2 | | | 34.100 | 34.500 | 1.5 | 1.5 | 2.0 | 8.150 | 8.500 | 0.000 | 0.150 |
| TRUCK DRIVER | E ALL 3 | | | 34.300 | 34.500 | 1.5 | 1.5 | 2.0 | 8.150 | 8.500 | 0.000 | 0.150 |
| TRUCK DRIVER | E ALL 4 | | | 34.500 | 34.500 | 1.5 | 1.5 | 2.0 | 8.150 | 8.500 | 0.000 | 0.150 |
| TRUCK DRIVER | W ALL 1 | | | 35.600 | 35.800 | 1.5 | 1.5 | 1.5 | 8.250 | 9.140 | 0.000 | 0.150 |
| TRUCK DRIVER | W ALL 2 | | | 32.700 | 33.100 | 1.5 | 1.5 | 2.0 | 6.500 | 4.350 | 0.000 | 0.000 |
| TRUCK DRIVER | W ALL 3 | | | 32.900 | 33.100 | 1.5 | 1.5 | 2.0 | 6.500 | 4.350 | 0.000 | 0.000 |
| TRUCK DRIVER | W ALL 4 | | | 33.100 | 33.100 | 1.5 | 1.5 | 2.0 | 6.500 | 4.350 | 0.000 | 0.000 |
| TUCKPOINTER | BLD | | | 43.800 | 44.800 | 1.5 | 1.5 | 2.0 | 8.280 | 13.49 | 0.000 | 0.670 |

Legend: RG (Region) TYP (Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers) C (Class) Base (Base Wage Rate) FRMAN (Foreman Rate) M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri. OSA (Overtime (OT) is required for every hour worked on Saturday) OSH (Overtime is required for every hour worked on Sunday and Holidays) H/W (Health & Welfare Insurance) Pensn (Pension) Vac (Vacation) Trng (Training)

Explanations

COOK COUNTY

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

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

EXPLANATION OF CLASSES

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

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

CERAMIC TILE FINISHER

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

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers

treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

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

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

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

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

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

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

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

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

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

Class 6. Field Mechanics and Field Welders

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

OPERATING ENGINEER - FLOATING

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

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

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

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

Class 5. Friction or Lattice Boom Cranes.

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

TERRAZZO FINISHER

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

TRAFFIC SAFETY

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

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

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

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

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

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

Other Classifications of Work:

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

LANDSCAPING

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

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

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

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2015

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

ERRATA Standard Specifications for Road and Bridge Construction (Adopted 1-1-12)
 (Revised 1-1-15)

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CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted January 1, 2015

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

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CHECK SHEET
FOR
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted January 1, 2015

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 SPECIAL PROVISIONS

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BDE SPECIAL PROVISIONS
For the January 15 and March 4, 2016 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> |
|------------------|----------|--|------------------|----------------|
| 80240 | 1 | Above Grade Inlet Protection | July 1, 2009 | Jan. 1, 2012 |
| 80099 | 2 | Accessible Pedestrian Signals (APS) | April 1, 2003 | Jan. 1, 2014 |
| 80274 | 3 | Aggregate Subgrade Improvement | April 1, 2012 | Jan. 1, 2016 |
| 80192 | 4 | Automated Flagger Assistance Device | Jan. 1, 2008 | |
| 80173 | 5 | Bituminous Materials Cost Adjustments | Nov. 2, 2006 | July 1, 2015 |
| 80241 | 6 | Bridge Demolition Debris | July 1, 2009 | |
| 50261 | 7 | Building Removal-Case I (Non-Friable and Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| 50481 | 8 | Building Removal-Case II (Non-Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| 50491 | 9 | Building Removal-Case III (Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| 50531 | 10 | Building Removal-Case IV (No Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| 80360 | 11 | Coarse Aggregate Quality | July 1, 2015 | |
| 80310 | 12 | Coated Galvanized Steel Conduit | Jan. 1, 2013 | Jan. 1, 2015 |
| 80341 | 13 | Coilable Nonmetallic Conduit | Aug. 1, 2014 | Jan. 1, 2015 |
| 80198 | 14 | Completion Date (via calendar day) | Aug. 1, 2008 | |
| 80199 | 15 | Completion Date (via calendar days) Plus Working Days | April 1, 2008 | |
| 80293 | 16 | Concrete Box Culverts with Skews > 30 Degrees and Design Fills [5 Feet | April 1, 2012 | April 1, 2015 |
| 80294 | 17 | Concrete Box Culverts with Skews [30 Degrees Regardless of | April 1, 2012 | |
| 80311 | 18 | Concrete End Sections for Pipe Culverts | Jan. 1, 2013 | |
| 80334 | 19 | Concrete Gutter, Curb, Median, and Paved Ditch | April 1, 2014 | Aug. 1, 2014 |
| 80277 | 20 | Concrete Mix Design – Department Provided | Jan. 1, 2012 | Jan. 1, 2014 |
| 90261 | 21 | Construction Air Quality – Diesel Retrofit | June 1, 2010 | Nov. 1, 2014 |
| 80335 | 22 | Contract Claims | April 1, 2014 | |
| 80029 | 23 | Disadvantaged Business Enterprise Participation | Sept. 1, 2000 | Jan. 2, 2015 |
| 80358 | 24 | Equal Employment Opportunity | April 1, 2015 | |
| 80265 | 25 | Friction Aggregate | Jan. 1 2011 | Nov. 1, 2014 |
| 80229 | 26 | Fuel Cost Adjustment | April 1, 2009 | July 1, 2015 |
| 80329 | 27 | Glare Screen | Jan. 1, 2014 | |
| 80304 | 28 | Grooving for Recessed Pavement Markings | Nov. 1, 2012 | Aug. 1, 2014 |
| 80246 | 29 | Hot-Mix Asphalt – Density Testing of Longitudinal Joints | Jan. 1, 2010 | April 1, 2012 |
| 80322 | 30 | Hot-Mix Asphalt – Mixture Design Composition and Volumetric Requirements | Nov. 1, 2013 | Nov. 1, 2014 |
| 80323 | 31 | Hot-Mix Asphalt – Mixture Design Verification and Production | Nov. 1, 2013 | Nov. 1, 2014 |
| 80347 | 32 | Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits - Jobsite Sampling | Nov. 1, 2014 | July 1, 2015 |
| 80348 | 33 | Hot-Mix Asphalt – Prime Coat | Nov. 1, 2014 | |
| 80315 | 34 | Insertion Lining of Culverts | Jan. 1, 2013 | Nov. 1, 2013 |
| 80351 | 35 | Light Tower | Jan. 1, 2015 | |
| 80336 | 36 | Longitudinal Joint and Crack Patching | April 1, 2014 | |
| 80324 | 37 | LRFP Pipe Culver Burial Tables | Nov. 1, 2013 | April 1, 2015 |
| 80325 | 38 | LRFD Storm Sewer Burial Tables | Nov. 1, 2013 | April 1, 2015 |
| 80045 | 39 | Material Transfer Device | June 15, 1999 | Aug. 1, 2014 |
| 80342 | 40 | Mechanical Side Tie Nar Inserter | Aug. 1, 2014 | Jan. 1, 2015 |
| 80165 | 41 | Moisture Cured Urethane Paint System | Nov. 1, 2006 | Jan. 1, 2010 |
| 80361 | 42 | Overhead Sign Structures Certification of Metal Fabricator | Nov. 1, 2015 | |
| 80337 | 43 | Paved Shoulder Removal | April 1, 2014 | |

| <u>File Name</u> | <u>#</u> | <u>Special Provision Title</u> | <u>Effective</u> | <u>Revised</u> |
|------------------|----------|---|------------------|----------------|
| 80349 | 44 | Pavement Marking Blackout Tape | Nov. 1, 2014 | |
| 80298 | 45 | Pavement Marking Tape Type IV | April 1, 2012 | |
| 80254 | 46 | Pavement Patching | Jan. 1, 2010 | |
| 80352 | 47 | Pavement Striping – Symbols | Jan. 1, 2015 | |
| 80359 | 48 | Portland Cement Concrete Bridge Deck Curing | April 1, 2015 | |
| 80353 | 49 | Portland Cement Concrete Inlay or Overlay | Jan. 1, 2015 | April 1, 2015 |
| 80338 | 50 | Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching | April 1, 2014 | |
| 80343 | 51 | Precast Concrete Handhole | Aug. 1, 2014 | |
| 80300 | 52 | Preformed Plastic Pavement Marking Type D – Inlaid | April 1, 2012 | |
| 80328 | 53 | Progress Payments | Nov. 2, 2013 | |
| 34261 | 54 | Railroad Protective Liability Insurance | Dec. 1, 1986 | |
| 80157 | 55 | Railroad Protective Liability Insurance (5 and 10) | Jan. 1, 2006 | |
| 80306 | 56 | Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS) | Nov. 1, 2012 | |
| 80350 | 57 | Retroreflective Sheeting for Highway Signs | Nov. 1, 2014 | |
| 80327 | 58 | Reinforcement Bars | Nov. 1, 2013 | |
| 80344 | 59 | Rigid Metal Conduit | Aug. 1, 2014 | |
| 80354 | 60 | Sidewalk, Corner, or Crosswalk Closure | Jan. 1, 2015 | April 1, 2015 |
| 80340 | 61 | Speed Display Trailer | April 2, 2014 | |
| 80127 | 62 | Steel Cost Adjustment | April 2, 2004 | July 1, 2015 |
| * 80362 | 63 | Steel Slag in Trench Backfill | Jan. 1, 2016 | |
| 80317 | 64 | Surface Testing of Hot-Mix Asphalt Overlays | Jan. 1, 2013 | |
| 80355 | 65 | Temporary Concrete Barrier | Jan. 1, 2015 | July 1, 2015 |
| 80301 | 66 | Tracking the Use of Pesticides | Aug. 1, 2012 | |
| 80356 | 67 | Traffic Barrier Terminals Type 6 or 6B | Jan. 1, 2015 | |
| 20338 | 68 | Training Special Provisions | Oct. 15, 1975 | |
| 80318 | 69 | Traversable Pipe Grate | Jan. 1, 2014 | April 1, 2014 |
| 80345 | 70 | Underpass Luminaire | Aug. 1, 2014 | April 1, 2015 |
| 80357 | 71 | Urban Half Road Closure with Mountable Median | Jan. 1, 2015 | July 1, 2015 |
| 80346 | 72 | Waterway Obstruction Warning Luminaire | Aug. 1, 2014 | April 1, 2015 |
| 80288 | 73 | Warm Mix Asphalt | Jan. 1, 2012 | Nov. 1, 2014 |
| 80302 | 74 | Weekly DBE Trucking Reports | June 2, 2012 | April 2, 2015 |
| 80289 | 75 | Wet Reflective Thermoplastic Pavement Marking | Jan. 1, 2012 | |
| 80071 | 76 | Working Days | Jan. 1, 2002 | |

The following special provisions are in the 2014 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> |
|------------------|---|---|------------------|----------------|
| 80292 | Coarse Aggregate in Bridge Approach Slabs/Footings | Articles 1004.01 (b) and 1004.02(f) | April 1, 2012 | April 1, 2014 |
| 80303 | Granular Materials | Articles 1003.04(c), and 1004.05(c) | Nov. 2, 2012 | |
| 80330 | Pavement Marking for Bike Symbol | Article 780.14 | Jan. 1, 2014 | |
| 80331 | Payrolls and Payroll Records | Recurring CS#1 and #5 | Jan. 1, 2014 | |
| 80332 | Portland Cement Concrete -- Curing of Abutments and Piers | Article 1020.13 | Jan. 1, 2014 | |
| 89326 | Portland Cement Concrete Equipment | Article 1103.03(a)(5) | Nov. 1, 2013 | |
| 80281 | Quality Control/Quality Assurance of Concrete Mixtures | Recurring CS#31 | Jan. 1, 2012 | Jan. 1, 2014 |
| 80283 | Removal and Disposal of Regulated Substances | Articles 669.01, 669.08, 669.09, 669.14, and 669.16 | Jan. 1, 2012 | Nov. 2, 2012 |
| 80219 | Removal and Disposal of Surplus Materials | Article 202.03 | Nov. 2, 2012 | |
| 80307 | Seeding | Article 250.07 | Nov. 1, 2012 | |
| 80339 | Stabilized Subbase | Article 312.06 | April 2, 2014 | |

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

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

SPECIAL PROVISION

GENERAL

1. Execution and Prosecution of the Contract:

This project is expected to be awarded on December 22, 2015, at the regularly scheduled City Council Meeting.

In order to expedite the project, the following amendment will be made to the execution and prosecution of the Contract, as found in the Supplemental Specifications and Recurring Special Provisions:

The Contractor shall execute the Contract and furnish the Contract Bond and the required insurance within seven (7) calendar days after the Contract has been mailed to the successful bidder.

2. Contract Deletions:

The Contractor is hereby advised that the City reserves the right to delete locations included in this project, should the Contract price be in excess of the amount included in the City budget for funding this project. This provision shall be in accordance with Section 104.02 of the Standard Specifications for Road and Bridge Construction, except that the City reserves the right to determine the extent of the deletion. The Contractor will be advised, in writing, in advance of the beginning of construction, as to what locations will be deleted, and shall accept payment at the Contract unit prices for work that is otherwise included in the Contract.

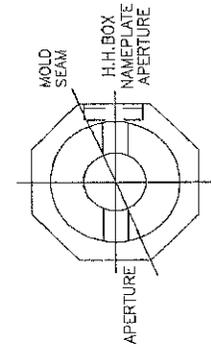
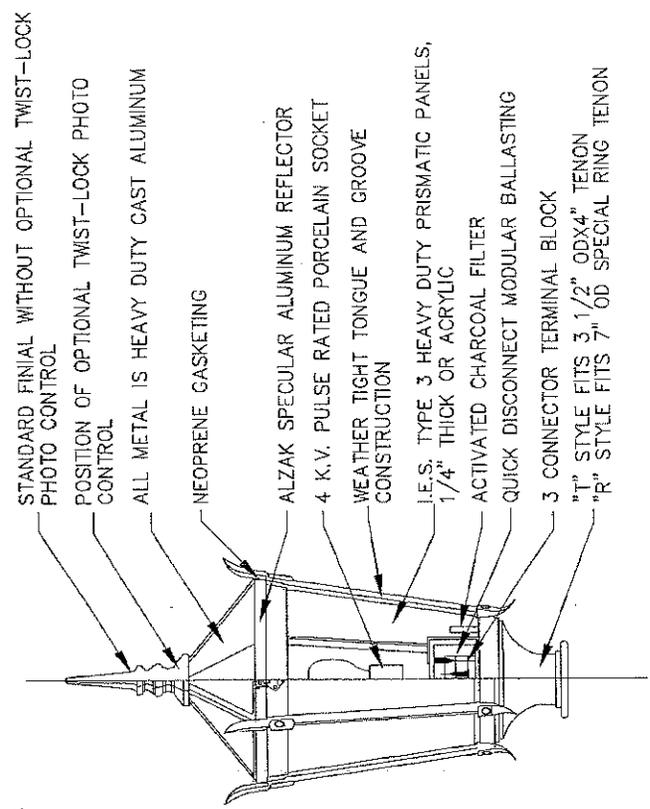
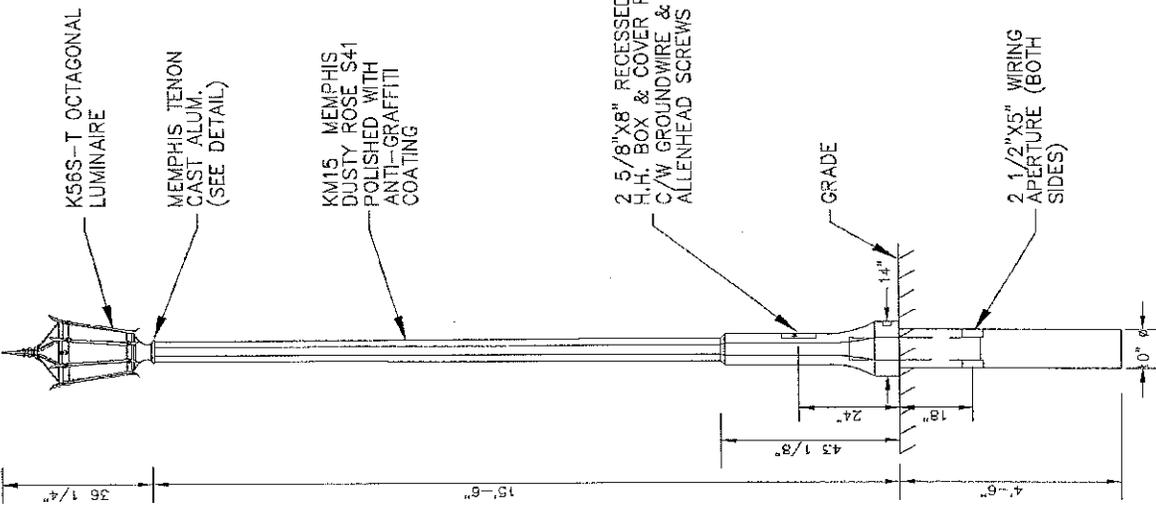
SPECIAL PROVISION

REMOVAL OF EXISTING LUMINAIRE, PARTIAL SALVAGE

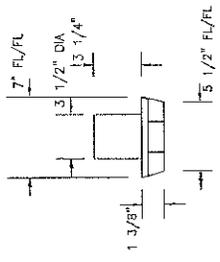
Description: This work shall consist of the removal and partial salvage of existing street light luminaires at the locations shown on the Location Map. The Contractor shall take care not to damage the luminaires during removal. The Contractor shall be responsible to remove the high pressure sodium bulbs from the existing luminaries and to dispose of them properly. All remaining portions of the removed luminaires shall be delivered to the City of Berwyn Public Works Department.

Basis of Payment: This work will be paid for at the Contract unit price per each for **REMOVAL OF EXISTING LUMINAIRE, PARTIAL SALVAGE**, which price shall be payment in full for all work as specified.

POLE DETAILS



TOP VIEW



MEMPHIS TENON DETAIL

NOTE: ALL POLES LOCATED MID-BLOCK SHALL HAVE AN I.E.S. TYPE III DISTRIBUTION. ALL POLES LOCATED AT CORNERS SHALL HAVE AN I.E.S. TYPE V DISTRIBUTION. NO EXTRA COMPENSATION WILL BE ALLOWED FOR THE VARIATION IN DISTRIBUTION TYPES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN PLACING THE ORDER TO SEPARATE THE TWO DIFFERENT DISTRIBUTION TYPES.

EXISTING LIGHT POLE AND LUMINAIRE DETAILS

SPECIAL PROVISION

RESIDENTIAL STREET LIGHT LED LUMINAIRE REPLACEMENT

Description: This work shall consist of furnishing and installing a luminaire, including branch circuit/extension pole wire as applicable, lamp, fuseholders, electrical connections, splices, and fusing. **This work shall include providing and installing any mounting hardware or brackets required to attach and adapt the new luminaire to the existing light pole.** All work shall meet the requirements of Section 821 of the Standard Specifications except as modified herein.

Manufacturer: The base bid for this item shall include a luminaire manufactured by either of the following suppliers. The Contractor may also submit a luminaire that is an approved equal, meeting the specifications of option A or option B, below. **Should the Contractor choose to submit an approved equal, they are required to submit specifications of the luminaire with their proposal. The Engineer will review the specifications and determine if the proposed luminaire meets the requirements of the project.**

OPTION A:

Lighting Solutions of Illinois
703 Childs Street
Wheaton, IL 60187

Representative: Joshua Davis
Phone: (630) 536-7985
E-Mail: jdavis@thewillgroup.com
Manufacturer: GE
Model No.: EPAS-0-A-41-B-9-X-BLCK-D

OPTION B:

TCC Lighting
10435 Argonne Woods Drive
Woodridge, IL 60515

Representative: Brian Plum
Phone: (630) 768-1006
E-Mail: bplum@trafficcontrolcorp.com
Manufacturer: Amerlux
Model No.: D722-AVI-4L/PAB-BLK-PCL7- Multi Dimming Driver

Submittals: The Contractor shall provide submittals to the engineer prior to installation of any luminaires. After the engineer reviews the submittals for conformance with the design concept of the project, the engineer will stamp the drawings indicating their status as REVIEWED, REJECTED, REVISE AND RESUBMIT or FURNISH AS CORRECTED. Since the engineer's review is for conformance with the design concept only, it is the Contractor's responsibility to coordinate the various items into a working system as specified. The Contractor shall not be relieved from the responsibility for errors or omissions in the shop, working, or layout drawings by the engineer's approval thereof. The Contractor must still be in full compliance with contract and specification requirements.

SPECIAL PROVISION

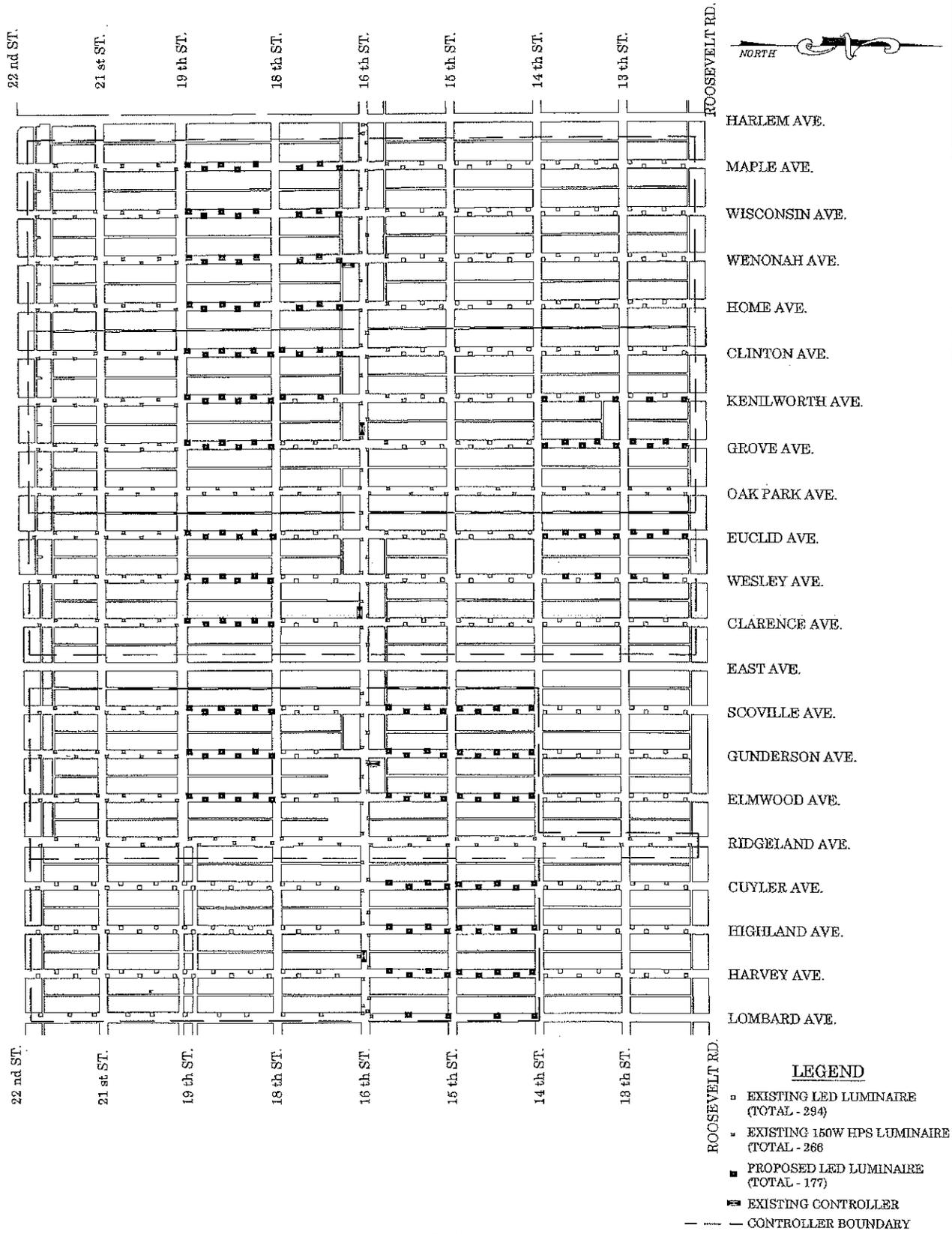
RESIDENTIAL STREET LIGHT LED LUMINAIRE REPLACEMENT, Continued

The Contractor will be required to list the proposed luminaire manufacturer and model number in the proposal section.

Warranty: The luminaires shall be provided with a minimum ten-year full replacement warranty on all luminaire parts, including LED's, power supplies, and fixture housing. The first three years of the warranty period shall also include removal and installation services for fixture replacement.

The Contractor shall provide replacement fixtures at no cost to the City for the entire warranty period. If replacement fixtures are not able to be made available within 5 working days, the supplier (at no cost to the city) will maintain 5 luminaires of the predominant size/voltage/type, and 1 luminaire of the remaining size/voltage/types during the warranty period. Defective luminaires will be returned to the supplier upon request, and at the supplier's cost. For purposes of this warranty, failure of the luminaire will be considered to occur if the light output of the luminaire has diminished to 70% of initial levels (L70). Proposal submissions must provide for the handling requirements for the end of life disposal / recycling of all proposed luminaire types.

Basis of Payment: This work shall be paid for at the Contract unit price per each for **RESIDENTIAL STREET LIGHT LED LUMINAIRE REPLACEMENT**, which price shall be payment in full for all work as specified.



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 Illinois Professional Design Firm No. 104-000028

PROJECT **CITY OF BERWYN, ILLINOIS**
RESIDENTIAL STREET LIGHT
LED RETROFIT
LOCATION MAP

PROJECT NO. 15076

SPECIAL PROVISION

MAINTENANCE OF LIGHTING SYSTEM

Description: This work shall consist of maintaining all luminaires designated for LED luminaire replacement under this Contract.

Procedure: The electric utility energy charges for the operation of the existing lighting systems will be paid for by the City of Berwyn.

At least one week prior to beginning construction, the Contractor shall conduct an inspection of the existing lighting systems associated with this project with the Engineer and a representative for the City of Berwyn responsible for street lighting maintenance. The Contractor will not be held responsible for any deficiencies found during the inspection. In case the Contractor fails to organize the inspection, the Contractor shall be held responsible for all the street lighting items deemed defective during construction.

The Contractor shall become responsible for the maintenance of all luminaires designated for LED replacement under this Contract at a date mutually agreed upon between the Contractor and the City of Berwyn representative, but no later than the beginning of construction. The Contractor's maintenance responsibility shall cease upon approval of the new luminaires by the Engineer.

Maintenance: The maintenance shall be according to Articles 801.11 and 801.12 of the Standard Specifications, adopted January 1, 2012. The Contractor will be responsible for maintaining all proposed lighting units that are associated with this project.

Method of Payment: This work will be paid for at the contract unit price per lump sum for **MAINTENANCE OF LIGHTING SYSTEM**, which price shall be payment in full for all work as specified.

***SPECIAL PROVISION ***

GENERAL ELECTRICAL PROVISIONS

The work required for the satisfaction of the requirements of this Specification will not be paid for separately, but will be considered incidental to the Contract's electrical work.

DEFINITION OF TERMS:

Abbreviations: Wherever the following abbreviations are used in these Special Provisions or on the Plans, they are to be construed the same as the respective expressions represented:

| | |
|--------|--|
| AASHTO | <i>American Association of State Highways and Transportation Officials</i> |
| ANSI | <i>American National Standards Institute</i> |
| ASTM | <i>American Society for Testing and Materials</i> |
| AWG | <i>American Wire Gauge</i> |
| ICEA | <i>Insulated Cable Engineers Association</i> |
| IES | <i>Illuminating Engineering Society of North America</i> |
| NEC | <i>National Electrical Code</i> |
| NEMA | <i>National Electrical Manufacturers Association</i> |
| NESC | <i>National Electrical Safety Code</i> |
| SSPC | <i>Steel Structures Painting Council</i> |
| UL | <i>Underwriter's Laboratories</i> |
| FM | <i>Factory Mutual</i> |

Key Definitions:

Standard Specifications:

Where used in these Special Provisions, this term shall mean the "Standard Specifications for Road and Bridge Construction", published by the Illinois Department of Transportation.

Specifications:

Where used in these Special Provisions, this term shall mean the complete body of Specifications, including the Standard Specifications, these Special Provisions, and all referenced Specifications and standards. See Article 101.42 of the Standard Specifications.

Supplements:

Where used in these Special Provisions, this term shall mean the "Supplemental Specifications and Recurring Special Provisions" published by the Illinois Department of Transportation.

Contract Documents:

The complete body of agreements, Specifications, and drawings which define the Contract work.

STL.1

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

Contract Drawings:

The complete set of Plans, elevations, diagrams, profiles, typical cross-sections, and detail drawings as presented for bidding and as part of the complete set of Contract Documents used for award.

Provide:

Where used in these Special Provisions, unless otherwise indicated, this term shall mean "furnish and install, complete, including any required electrical connection and testing".

Owner:

Where used in these Special Provisions, unless otherwise indicated, this term shall mean the party other than the Contractor who is a party to this Contract.

Engineer:

See Article 101.16 of the Standard Specifications.

Equipment:

Where used in these Special Provisions, this term shall mean material, fittings, devices, appliances, fixtures, apparatus, and the like used as part of, or in connection with, an electrical installation.

REFERENCED SPECIFICATIONS AND STANDARDS:

The following Specifications and standards are incorporated, by reference, in these Special Provisions and shall apply to the work as though fully written herein:

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, a publication of the Illinois Department of Transportation.

STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS, a publication of the Illinois Department of Transportation.

SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, a publication of the Illinois Department of Transportation.

NATIONAL ELECTRICAL CODE

NATIONAL ELECTRICAL SAFETY CODE

SAFETY CODE, a publication of the Illinois Department of Transportation.

STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, a publication of American Association of State Highways and Transportation Officials.

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

AN INFORMATIONAL GUIDE FOR ROADWAY LIGHTING, a publication of American Association of State Highways and Transportation Officials.

AMERICAN NATIONAL STANDARD PRACTICE FOR ROADWAY LIGHTING, ANSII/IES RP-8, published by Illuminating Engineering Society, approved by American National Standards Institute.

ELECTRICAL MAINTENANCE CONTRACT, an "Agreement" between the Owner and an electrical Contractor of its choosing, who is called upon to perform routine repairs or services on electrical systems.

Where reference is made to a standard or Standard Specification, such reference shall be to the latest edition current at the bid date, including all revisions.

In the case of conflict with referenced standards or Specifications, these Special Provisions shall govern. Other coordination of Plans, Specifications, Supplemental Specifications, Proposals and Special Provisions shall be in accordance with Article 105.05 of the Standard Specifications for Road and Bridge Construction except that, in case of conflict, the Standard Specifications shall govern over Plans, Supplemental Specifications shall govern over Standard Specifications, and Special Provisions shall govern over all.

SCOPE OF WORK:

Construction: The work shall be as indicated on the Plans and as required by the Specifications. Unless otherwise indicated, the Contractor shall furnish and install all required materials and equipment, including all associated appurtenances, to produce a complete and operational installation. The appurtenances shall be as indicated, or when not indicated shall be as common to the trade, and the costs shall be included in the unit prices bid for the pay items of this Contract. The work shall be done in a workmanlike manner in accordance with the best practices of the trade.

Clean-up and Public Safety: The work site shall be maintained in a clean condition, free of hazards to the work force and the public, all in conformance with the requirements of Article 107 of the Standard Specifications. Special care shall be taken to assure that electrical systems are not left in an exposed or otherwise hazardous condition. All electrical boxes, cabinets, pole handholes, etc., which contain wiring, either energized or non-energized, shall be closed or shall have their covers in place and shall be locked when possible, during off-work hours.

Responsibility for Operating Lighting: The scope of work shall include the assumption of responsibility for the continuing operation of existing, temporary or other lighting systems affected by the work as may be specified elsewhere herein. Existing lighting systems, when depicted on the Plans, are intended only to indicate the general nature of the systems involved and shall not be construed as an exact representation of the field conditions. It remains the Contractor's responsibility to visit the site to confirm and ascertain the exact nature of systems to be maintained.

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

Cooperation Between Contractors: The Contractor shall perform the work in full compliance with Article 105.08 of the Standard Specifications. This shall especially extend to any affected maintenance forces work and electrical systems work adjacent to the specific project limits.

CONTROL OF WORK:

The Contractor shall comply with the requirements of Sections 105 and 108 of the Standard Specifications, and any Supplements thereto and shall, in addition, comply with the requirements for control of work specified herein.

Maintenance Preconstruction Inspection

General: Before performing any excavation, removal, or installation work (electrical or otherwise) at the site, the Contractor shall initiate a request for a maintenance preconstruction inspection, to be held in the presence of the Engineer and a representative of the party or parties responsible for maintenance of any lighting and/or traffic control systems which may be affected by the work. The request for the maintenance preconstruction inspection shall be made no less than seven (7) calendar days prior to the desired inspection date. The maintenance preconstruction inspection shall:

- Establish the details of any formal transfers of maintenance responsibility required for the construction period.
- Establish approximate locations of known lighting and/or traffic control systems which may be affected by the work.
- Establish the condition of lighting and/or traffic control systems which may be affected by the work.

Marking of Existing Cable Systems: The party responsible for maintenance of any existing lighting and/or traffic control systems at the project site will, at the Contractor's or Owner's request, mark and/or stake, once per location, all underground cable routes owned or maintained by the respective party. A project may involve multiple "locations" where separated electrical systems are involved (i.e. different controllers). Such markings shall be taken to have a horizontal tolerance of at least one foot (1') to either side. The markings may be made prior to the preconstruction inspection date. The Contractor shall exercise extreme caution where existing buried cable runs are involved. The markings of existing systems are made strictly for assistance to the Contractor and this does not relieve the Contractor of responsibility for the repair or replacement of any cable run damaged in the course of his work, as specified elsewhere herein. These services will be done at the Owner's expense.

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

NOTE THAT THE CONTRACTOR SHALL BE ENTITLED TO ONLY ONE REQUEST FOR LOCATION MARKING OF EXISTING SYSTEMS AND THAT MULTIPLE REQUESTS MAY ONLY BE HONORED AT THE CONTRACTOR'S EXPENSE.

Condition of Existing Systems: The Contractor shall conduct an inventory of any existing lighting equipment which may be affected by the work, making note of any parts which are found broken or missing, defective or malfunctioning. This inventory shall be reviewed with and approved by the Engineer and a record of the inventory shall be submitted to the Engineer for the record. Without such a record, all systems transferred to the Contractor for maintenance during construction shall be returned at the end of construction in complete, fully operating condition.

Damage to Electrical Systems: Should damage occur to any of the Owner's electrical systems through the Contractor's operations, the Owner reserves the right to designate whether the repairs are of an emergency or non-emergency nature.

Emergency Repairs: The Owner may designate that emergency repairs be performed by the Owner's Electrical Maintenance Contractor or another maintenance entity. The cost of these emergency repairs shall be the responsibility of the Contractor and no additional compensation will be allowed for such charges.

Non-Emergency Repairs: Non-emergency repairs shall be performed by the Contractor as specified herein and to the satisfaction of the Engineer. All repairs shall be performed in an expeditious manner and shall be conducted in a manner to assure that all lighting units are in service between 4:00 p.m. and 8:00 a.m. Temporary aerial multi-conductor cable, with grounded messenger cable, will be permitted if it does not interfere with traffic or other operations and does not require unacceptable modification to existing equipment as determined by the Engineer.

Permanent Repairs: Regardless of whether damaged electrical systems are restored to service by means of emergency or non-emergency repairs, if such repairs are temporary in nature, permanent repairs shall be made by the Contractor at his own expense. No additional compensation and no extension of time will be allowed to effect the permanent repairs. Replacement of damaged duct or other raceways may be only for the damaged section, with suitable duct splices or raceway fittings made to form a water-tight, like-new raceway. Damaged cable shall be replaced in complete spans and no permanent underground splices will be allowed. All permanent repairs must meet the approval of the Engineer. Repairs to underground runs must be inspected and approved by the Engineer before backfilling.

Proposed Locations: The Contractor shall mark or stake and obtain Engineer's approval of the proposed locations of all poles, cabinets, junction boxes, pull boxes, handholes, cable routes, pavement crossings and other such items pertinent to the work. The Contractor shall request a proposed location inspection when all proposed installation locations are marked and prior to any excavation, construction, or installation work. On projects having complex staging, multiple requests can be made. Work installed without location approval is subject to corrective revisions at the Contractor's expense.

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

Protection of the Work: Electrical work, equipment and appurtenances shall be protected from damage during construction until final acceptance. Electrical raceway or duct openings, except for conduit sleeves, shall be capped or otherwise sealed from the entrance of water and dirt. Wiring shall be protected from mechanical injury. Equipment shall be protected from physical damage and from exposure to the weather and dirt. Equipment such as luminaires, control cabinets and tower lighting lowering mechanisms shall be stored indoors until installation.

Standards of Installation: Electrical work shall be installed in a neat and workmanlike manner in accordance with the best practices of the trade. Unless otherwise indicated, materials and equipment shall be installed in accordance with the manufacturer's recommendations.

Inspection During Construction: Unless otherwise indicated, all splices, taps and ground connections shall be made available for inspection by the Engineer before the wiring is permanently trained in hand holes, junction boxes, light poles or other enclosures. The Contractor shall notify the Engineer when such wiring is ready for inspection.

MATERIALS AND EQUIPMENT:

Except as specified elsewhere herein, materials and equipment shall be in conformance with the requirements of Article 106 of the Standard Specifications. UNLESS OTHERWISE SPECIFICALLY INDICATED, ALL MATERIALS AND EQUIPMENT SHALL BE NEW.

Procurement: Materials and equipment shall be the products of established manufacturers, and shall be suitable for the service required. The Contractor is obligated to conduct his own search into the timely availability of the specified equipment and to ensure that all materials and equipment are in strict conformance with the Contract Documents and that delivery schedules are compatible with project time constraints. Materials or equipment items which are similar or identical shall be the product of the same manufacturer. The cost of submittals, certifications, any required samples and similar costs shall not be paid for extra but shall be included in the pay item bid price for the respective material or work.

UL Label: Unless otherwise indicated, materials and equipment shall bear the UL label whenever such labeling is available for the type of material or equipment being furnished.

Submittals:

Preconstruction List of Manufacturers: At the preconstruction meeting, the Contractor shall submit a written listing of manufacturers for all major electrical equipment items applicable to the project.

Major equipment items shall be the luminaires which are included in the project.

The List of Manufacturers shall be binding except by written request for change by the Contractor and approval by the Engineer. A request for change shall include acceptable reasons for allowing the change, with documentation.

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

Timely Submittal: Within 30 days after Contract execution, the Contractor shall submit, for approval, complete approvable manufacturer's product data (for standard products and components) and detailed shop drawings (for fabricated equipment). Submittals need not include all project equipment and materials in one submittal; however, the submittals for the equipment and materials for each individual pay item shall be complete in every respect except that Basic Materials and Methods items, included as part of various pay items, shall be submitted together and need not be submitted as part of individual pay item submittals. Partial submittals may be returned without review. The Contractor may request, in writing, permission to make a partial submittal; the Engineer will evaluate the circumstances of the request and may accept to review such a partial submittal. However, no additional compensation or extension of time will be allowed for extra costs or delays incurred due to partial or late submittals.

Material Substitution: Whenever, in any section of the Specifications, any article, material, or equipment is defined by describing a proprietary product, or by using the name of a manufacturer or vendor, the Contractor will be required to bid on that piece of equipment only, and no substitutions will be allowed. The Article specified will generally indicate the type, function, minimum standard of design, efficiency, and quality desired, and shall be included in the Contractor's base bid. If provision is made in the Specifications for submitting alternate prices to allow different manufacturers or vendors to bid, the Specifications shall be construed as being the minimum basis of design, and Contractors shall feel free to insert the appropriate unit prices in the spaces provided in the "Bidding Schedule", so that an evaluation can be made if the Owner so chooses to select an alternate piece of equipment.

Completeness and Accuracy: The receipt of submittal information from the Contractor will be construed as the Contractor's assurance that he has reviewed the submittal information and attests to the submittal's accuracy and conformance to the requirements of the Contract Documents. Various submittal items shall, when taken together, form a complete, coordinated package. Submittals which include multiple pay items shall have all submittal material for each item or group of items covered by a particular Specification grouped together and identified as to applicable pay item. Separate submittal material shall be submitted for items covered by separate Specifications so as to facilitate review and approval. Submittal information shall be complete and in sufficient detail to demonstrate compliance with all requirements of the Contract Documents. Unless otherwise indicated, manufacturer's guarantees, as specified herein, shall be included with the submittal information. Incompleteness, inaccuracy or lack of coordination shall be grounds for rejection. The Contractor shall clearly understand that no equipment or material shall be installed prior to approval by the Engineer and that any equipment or material installed prior to approval by the Engineer is subject to removal from the right-of-way solely at the Contractor's expense.

Contractors Stamp: Prior to submittal, the Contractor shall review the submittal material and shall affix his stamp of approval, with comments as applicable, signed by a responsible representative, to each appropriate submittal item. In the case of subcontractors' submittals, both the subcontractor and the General Contractor shall review and stamp the submittal. **Submittals which are not "Reviewed" or "Furnish As Corrected" by the Contractor shall not be submitted to the Engineer.**

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

Engineer's Stamp: After the Engineer reviews the submittals for conformance with the design concept of the project, the Engineer will stamp the drawings indicating their status as REVIEWED, REJECTED, REVISE AND RESUBMIT or FURNISH AS CORRECTED. Since the Engineer's review is for conformance with the design concept only, it is the Contractor's responsibility to coordinate the various items into a working system as specified. The Contractor shall not be relieved from responsibility for errors or omissions in the shop, working, or layout drawings by the Engineer's approval thereof. The Contractor must still be in full compliance with Contract and Specification requirements.

Exceptions, Deviations and Substitutions: In general, exceptions to and deviations from the requirements of the Contract Documents will not be allowed. It is the Contractor's responsibility to note any deviations from Contract requirements at the time of submittal and to make any requests for deviations in writing to the Engineer. In general, substitutions will not be acceptable. Requests for substitutions must demonstrate that the proposed substitution is superior to the material or equipment required by the Contract Documents. No exceptions, deviations or substitutions will be permitted without the approval of the Engineer.

Certifications: Where certifications are specified, the information submitted for approval shall incorporate certification information. When a certification is available prior to equipment manufacture, the certification shall be included with the submittal information. When a certification is available only after equipment manufacture, the submittal shall include a statement of intent to furnish the certification after equipment approval and manufacture. Certifications involving inspections and/or tests of equipment shall be complete with all test data, dates, and times.

Required Submittals: Table 8.1 indicates pay items for which submittals must be made. Table 8.1 is by no means an all-inclusive table, and the Engineer reserves the right to request documentation on any material provided for the Contract. The Contractor shall supplement this table as required to assure that review and Engineer approval is obtained for all specified materials and equipment. The Contractor shall assume that all applicable specified items including those specified under Basic Materials and Methods must be submitted. Table 8.1 is included as a guide for the Contractor in preparing the material submittal package.

Pre-installation Inspection: No un-inspected equipment or material shall be delivered to the job site or incorporated in the work. After submitted equipment and/or materials receive approval, the Contractor shall prepare the equipment and/or materials for inspection by the Engineer prior to incorporation in the work. The Contractor shall request the inspection no less than seven (7) days prior to the desired inspection date. The Engineer will tag material and equipment which has been inspected and allow its delivery to the job site. Certain items such as conduit, wire, duct, anchor bolts, screw foundations, manhole and handhole covers and junction boxes will be inspected and may be tested by IDOT's Bureau of Materials and these items shall not be delivered to the job site without inspection approval.

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

Certain items such as control cabinets may be inspected by the Engineer at the Contractor's or manufacturer's shop and these items shall not be delivered to the job site without inspection approval. Other items such as poles, luminaires and other above-ground items, unless otherwise indicated, may be inspected by the Engineer at the site. It shall be the Contractor's responsibility to arrange inspection activities with the Engineer prior to installation.

Guarantees: The Contractor shall obtain and deliver to the Owner a written guarantee assigned to the Owner from each of the manufacturers of pay item equipment that the manufacturer will repair, replace, or otherwise make good any defects in materials or workmanship for a period not less than one (1) year FROM THE DATE OF FINAL ACCEPTANCE. ANY COST FOR THE GUARANTEE AS SPECIFIED SHALL BE INCIDENTAL TO THE ASSOCIATED PAY ITEM. Should compliance with this item require the Contractor to purchase extended guarantee coverage from the equipment manufacturer, such coverage will be considered as a required part of the pay item. Unless otherwise indicated, guarantees shall accompany submittal information.

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

| Pay Item | | Catalog Cuts | Certifications | Warranty |
|---|--------------------|--------------|----------------|----------|
| Electric Cable | | Yes | Yes | |
| Aerial Cable | Cable | Yes | | |
| | Mounting Hardware | Yes | | |
| Ground Rod | Exothermic weld | Yes | | |
| | Ground rod | Yes | | |
| | Copper Wire | Yes | | |
| Trench and Backfill (Warning Tape) | | Yes | | |
| Unit Duct | | Yes | Yes | |
| Rigid Steel Conduit | Conduit | Yes | | |
| | Fittings | Yes | | |
| Junction Box | | Yes | | |
| Lighting Controller | Cabinet | Yes | | |
| | Circuit Breakers | Yes | | |
| | Time Clock | Yes | | |
| | Contactors | Yes | | |
| | Paint | Yes | | Yes |
| | Controls | Yes | | |
| | UL Listing | | Yes | |
| Light Pole Foundation | Anchor Bolts | Yes | | |
| | PVC Raceways | Yes | | |
| | Reinforcement Bars | Yes | | |
| Accident Reference Marker | | Yes | | |
| Breakaway Device | | Yes | Yes | |
| Light Pole | | Yes | Yes | Yes |
| Light Tower (see submittal in Special Provision) | | Yes | Yes | Yes |
| Luminaire (see submittal list in Special Provision) | | Yes | Yes | Yes |
| Electric Connection to Sign | Safety Switch | Yes | | |
| | Fusing | Yes | | |
| Wood Pole | | | | |
| Splicing Materials | | Yes | | |
| Electrical Tape | | Yes | | |
| Fuses and Fuse Holders | | Yes | | |
| Lighting Unit Identification Decals | | Yes | | |
| Wiring Identification Markers | | Yes | | |
| Pole Wire | | Yes | | |
| Lamps | | Yes | | |

Table 8.1
Required Submittals

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

RESPONSIBILITY FOR OPERATING LIGHTING:

Effective the date the Contractor's activities (electrical or otherwise) at the job site begin, the Contractor shall be responsible for the proper operation of all existing and proposed lighting systems which are part of, or which may be affected by the work until final acceptance or as otherwise determined by the Engineer. Where there is existing lighting within the project limits, prior to the start of activities at the site, the Contractor must schedule a formal transfer of maintenance via the Engineer; however, failure to do so does not relieve the Contractor of the maintenance responsibility specified herein and such failure obligates the Contractor to correct deficiencies in the existing system at his own expense.

Except as specified herein, the Contractor's responsibility shall include all applicable responsibilities of the Electrical Maintenance Contract of the Owner. These responsibilities shall include lighting units (including sign lighting), cable runs and lighting controls. In the case of a pole knockdown or sign light damage caused by normal vehicular traffic, the Contractor shall promptly clear the lighting unit and circuit discontinuity and restore the system to service and shall coordinate and facilitate lighting unit replacement which will be performed by the normal maintenance entity.

Existing lighting systems that may be affected by the work shall include, as a minimum, all existing lighting units within the physical project limits, and these units may be temporarily isolated by means of in-line waterproof fuseholders as approved by the Engineer. When a controller is to be replaced or modified under the Contract work, or where otherwise indicated, the controller and all systems connected to it shall be included in the Contractor's responsibility for proper operation of lighting systems. The Contract drawings may indicate the general extent of any existing lighting, but whether indicated or not, it remains the Contractor's responsibility to ascertain the extent of effort required for compliance with these Specifications and failure to do so will not be justification for extra payment or reduced responsibilities.

The payment of basic energy and demand charges by the electric utility for existing lighting which remains in service will continue as a responsibility of the Owner, unless otherwise indicated. Unless otherwise indicated or required by the Engineer, duplicate lighting systems (such as temporary lighting and proposed new lighting) shall not be operated simultaneously at the Owner's expense and lighting systems shall not be kept in operation during long daytime periods at the Owner's expense. Upon written authorization from the Engineer to place a proposed new lighting system in service, whether the system has passed final acceptance or not (such as to allow temporary lighting to be removed), the Owner will accept responsibility for energy and demand charges for such lighting, effective the date of authorization. All other energy and demand payments to the utility shall be the responsibility of the Contractor until final acceptance.

RECORD DRAWINGS:

Alterations and additions to the electrical installation depicted on the complete set of Contract drawings made during the execution of the work shall be neatly and plainly marked in red on a full-size set of Record Drawings kept at the Contractor's field office for the project. These drawings

SPECIAL PROVISION

GENERAL ELECTRICAL PROVISIONS, Continued

shall be UPDATED ON A DAILY BASIS and shall be available for inspection by the Engineer during the course of the work.

When the work is complete, and before the request for a final acceptance inspection, a full-size set of Record Drawings shall be submitted to the Engineer for review and acceptance. The set may be a set of reproducible drawings. The drawings shall each be stamped "RECORD DRAWING", and shall be marked with the Contractor's stamp, the date, and the signature of the Contractor's supervising engineer or electrician. The Resident Engineer shall review and sign the record drawing to verify the accuracy of the record drawings prior to submittal for formal review and acceptance. Upon request, a full-size set of reproducible drawings of the lighting work will be made available to the Contractor for the purpose of compliance with these requirements.

The Record Drawings shall be complete, neat, and shall be consistent with the method of representation on the Contract drawings. The Record Drawings shall include all Plans, details, notes, schedules, single line diagrams, etc. applicable to the electrical work. In particular, the Record Drawings shall provide stationing and dimensioned references for lighting controllers, underground wiring runs, system ground fields, conduit sleeves below pavement, manholes, handholes and electrical service supplies, and other information which would be useful to locate and maintain the electrical system. The Lighting Inventory form contained elsewhere herein shall be completed by the Contractor and submitted along with the Record Drawings.

The Record Drawings must be submitted and must be acceptable to the Engineer seven (7) days prior to final acceptance.

FINAL ACCEPTANCE INSPECTION:

When the work is complete, tested and fully operational, the Contractor shall schedule a Final Acceptance Inspection with the Engineer. The Contractor shall request the inspection no less than seven (7) working days prior to the desired inspection date.

The Contractor shall furnish the necessary manpower and equipment to make the Final Acceptance Inspection. The Engineer may designate the type of equipment required for the inspection tests.

SPECIAL PROVISION

BASIC MATERIALS AND METHODS - ELECTRICAL

General: Basic materials and methods specified herein shall be provided as specified or required for the work and shall be paid for as part of the associated unit price items specified for the work. No additional compensation will be allowed. Electrical work shall conform to these Specifications unless specifically indicated otherwise.

All basic materials and methods items specified herein which apply to the project in any way shall be submitted for review and approval by the Engineer. They need only be submitted as "Basic Materials and Methods" even though they may be incidental to a number of various separate pay items. Submittal information shall include complete catalog literature and other information required to demonstrate compliance with specified requirements.

Splicing and Terminating of Electrical Cables: Splices in electrical cables shall be made with materials which are compatible with conductors, insulations and any jackets of the associated cables.

Unless otherwise indicated or approved by the Engineer splices shall be made using compression type copper compression joints (sleeves) of the size and configuration required for the splice involved. The sleeves shall be made of tin plated copper and shall be UL listed for 600-volt applications and shall be of the type suitable for a range of conductor combinations. The sleeves shall be installed with tools and methods recommended by the sleeve manufacturer.

Unless otherwise indicated, individual conductors, including ground conductors, shall be terminated with compression terminals sized appropriately for the given connection. The connectors shall be copper, UL Listed for 600-volt applications and comply with UL Standard 486A. The terminals shall be clearly marked with the wire size and die index. All compression terminals shall be installed with the proper tool and die for crimping. Ground wires at light poles shall be terminated with listed mechanical grounding connectors such as Burndy KC22B2, EQC632C, or approved equal.

Splices above grade, such as in poles and junction boxes, shall have a waterproof sealant and a heat-shrinkable plastic cap. The cap shall be of a size suitable for the splice and shall have a factory-applied sealant within. Additional seal of the splice shall be assured by the application of sealant tape or the use of a sealant insert prior to the installation of the cap. Either method shall be assured compatible with the cap sealant.

Tape sealant shall be applied in not less than one half-lapped layer for a length at least a quarter inch (1/4") longer than the cap length and the tape shall also be wrapped into the crotch of the splice. Insert sealant shall be placed between the wires of the splice and shall be positioned to line up flush or extend slightly past the open base of the cap. The end caps shall be UL listed and shall have a post-shrink wall thickness not less than the values shown in Table 2.1.

Splices below grade shall be made only upon specific approval of the Engineer. Below-grade splices shall be sealed with epoxy encapsulation kits approved by the Engineer which shall be installed in strict conformance with the kit manufacturer's recommendations.

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SPECIAL PROVISION

BASIC MATERIALS AND METHODS – ELECTRICAL, Continued

| Initial Inside Diameter Inches | Post-Shrink Wall Thickness Inches |
|-----------------------------------|--------------------------------------|
| 0.50 | 0.070 |
| 0.75 | 0.080 |
| 1.00 | 0.095 |
| 1.15 | 0.095 |
| 1.5 | 0.100 |
| 2.00 | 0.105 |

Table 2.1
Post-Shrink Wall Thickness

Electrical Tape: Electrical tape shall be UL listed all weather vinyl plastic tape which is resistant to abrasion, puncture, flame, oil, acids, alkalis and weathering. It shall conform to Federal Specification HH-I-595. Thickness shall not be less than 8.5 mils and width shall not be less than three-quarter inch ($\frac{3}{4}$ "). NOTE THAT THE STANDARD 7-mil THICKNESS TAPE IS NOT ALLOWED.

Fuses: Unless otherwise indicated, fuses for installation within fuse holders for protection of lighting branch circuits shall be small-dimension cylindrical fuses of the fast-acting type with current limiting characteristics. They shall be UL listed. Unless otherwise indicated, the fuses shall be rated for 600 volts AC and shall have a UL-listed interrupting rating of not less than 100,000 rms symmetrical amperes at rated voltage.

Unless otherwise indicated, fuses for high pressure sodium luminaires supplied at 240 volts shall be as indicated in Table 4.1.

| Nominal Wattage | Fuse Size |
|-----------------|-----------|
| 750 | 5.0A |
| 400 | 5.0A |
| 310 | 5.0A |
| 250 | 3.0A |
| 200 | 3.0A |

Table 4.1
Luminaire Fuse Size

Fusing for other luminaires or other circuits shall be as indicated or as directed by the Engineer.

SPECIAL PROVISION

BASIC MATERIALS AND METHODS – ELECTRICAL, Continued

Fuse Holders:

Standard Fuse Holders: Each fuse holder shall consist of a two-section unit with a molded plastic housing designed to hold small-dimension cylindrical fuses of the type required. Each section shall be permanently etched with line and load side designations. A captive nut on one section shall mate a threaded portion of the other section and the unit shall have an "O" ring which shall provide a water and vapor-tight seal when the sections are joined.

The terminals and the contacts in the fuse holder shall be made of annealed copper. The contacts shall be spring loaded to exert contact pressure on mating parts. Fuse holders shall be rated for 30 amperes at 600v.

Wires shall attach to the fuse holder by a crimping operation except that connection of No. 2 wires to breakaway fuse holder receptacles may be via a set screw connection. Each fuse holder shall be of a size proper for the wires to be attached. The assembly shall be provided with insulating boots.

Fuse holders for neutral conductors shall have a permanently installed solid neutral conductor and a white plastic coupling nut and screw section.

Fuse holders used in multi-pole applications, up to 30-ampere size, such as a 240 volt phase-to-phase feed to a 240 volt load, shall be of the multi-pole type so that all phase conductors are disconnected at the same time.

Quick Disconnect Fuse Holders: Quick disconnect type fuse holders shall be as specified for standard fuse holders with the following features:

The fuse holder shall be capable of disconnecting upon sufficient tension in the connected wires (as in the case of a pole knock-down).

The fuse shall remain enclosed in the de-energized portion of the fuse holder upon disconnection. The fuse shall not be utilized as the disconnection means, a separate plug and receptacle shall be utilized for the disconnection means.

The fuse holder assembly shall mate a line-side quick disconnect receptacle.

Installation: Unless otherwise indicated, standard fuse holders shall be used on non-frangible (non-breakaway) light pole installations and quick-disconnect fuse holders shall be used on frangible (breakaway) light pole installations.

Wires shall be carefully stripped only as far as needed for connection to the device. Over-stripping shall be avoided. An oxide inhibiting lubricant shall be applied to the wire for minimum connection resistance before the terminals are crimped-on.

SPECIAL PROVISION

BASIC MATERIALS AND METHODS – ELECTRICAL, Continued

Crimping shall be performed in accordance with the fuse holder manufacturer's recommendations. The exposed metal connecting portion of the assembly shall be taped with two half-lapped wraps of electrical tape and then covered by the specified insulating boot.

The fuse holder shall be installed such that the fuse side is connected to the pole wire (load side) and the receptacle side of the holder is connected to the line side.

Lighting Unit Identification: Each pole, light tower and underpass light shall be labeled with the county area, controller and circuit identification letters and numerals as designated by the Engineer. They shall be installed by the Contractor on each lighting unit pole shaft and on the underpass walls, or piers, as shown in the details.

Median-mounted poles shall have two sets of identification labeling oriented to allow visibility from travel in either direction. Lighting Controllers shall also be identified by means identification decals as described herein. Identification shall be in place prior to placing the equipment in service.

Unless otherwise indicated, the letters and numerals for sixty foot (60') mounting height lighting units and less and underpass lighting units shall be four inches (4") high, black, series "D" as described in the Federal Highway Administration's "Standard Alphabets for Highway Signs". The placement of the numbers shall be coordinated with the accident reference marker and handhole door as applicable. The letters and numerals shall be screened on silver-white, pressure sensitive, reflective, four and one-half inch (4-1/2") by four inch (4") sheeting as described under Section T 602.01 "Reflective Sheeting" in the Illinois Department of Transportation's publication "Standard Specifications for Traffic Control Items". Lighting systems that are not maintained by the Illinois Department of Transportation shall not be identified with the black and silver color scheme described above. An alternate color scheme, such as black on yellow, shall be used as directed by the Engineer or as indicated in the plans.

Unless otherwise indicated, identification applied to standard natural aluminum poles shall be performed using the following method:

Prior to the application of the circuit identification sheeting, the Contractor shall clean and prepare the surface in the following steps:

1. Clean and dry the surface with a clean absorbent cloth.
2. Roughen the surface with sandpaper or emery cloth.
3. In cold or damp locations, additional adhesive may be applied to ensure proper bonding.

The sheeting can then be applied in accordance with the manufacturer's directions or as directed by the Engineer.

Identification of weathering steel poles shall be made by application of letters and numerals as specified herein to an appropriately sized one-eighth inch (1/8") thick stainless steel plate, which shall be banded to the pole with two stainless steel bands.

SPECIAL PROVISION

BASIC MATERIALS AND METHODS – ELECTRICAL, Continued

Identification of painted poles shall be made by application of letters and numerals as specified herein via an adhesive approved by the paint manufacturer for the application.

Identification of luminaires which are not pole mounted, such as underpass luminaires, shall be done using identification brackets. In general, the brackets shall be mounted adjacent to and within one foot (1') of their respective luminaires. The brackets shall be fabricated from one-eighth inch (1/8") aluminum alloy sheet according to the dimensions shown on the Plans. The bracket shall be bent so as to present the luminaire identification numbers at a sixty-degree (60°) angle to the wall. The bracket shall be attached to concrete walls with three (3) one-quarter inch (1/4"), self drilling, snap-off type galvanized steel concrete anchors set flush with the wall, or power driven fasteners approved by the Engineer. The brackets shall be offset from the wall with one-half inch (1/2") aluminum bushings. The luminaire identification numbers shall be applied to the bracket using the method described for identification applied to poles.

Unless otherwise indicated, the letters and numerals for light towers, i.e. poles of a mounting height equal to and greater than seventy feet (70'), shall be nine inches (9") high by eight inches (8") wide. The material of the decals shall be as specified above. Installation shall also be as described in above.

Unless otherwise indicated, the letters and numerals for illuminated signs shall be nine inches (9") high by eight inches (8") wide. The material of the decals shall be as specified above. Installation shall also be as described above.

Circuit identification shall be made even to temporary poles. When temporary poles are metal, the circuit identification shall be as described elsewhere herein, except that the tags shall be black on yellow. When temporary poles are wood, circuit identification shall be as specified for wood poles.

Circuit identification for wood poles shall be made by the use of weather- resistant reflective letter tags in vertical slide-in holders. Unless otherwise indicated, letter tags shall be reflective, black on yellow, with characters three inches (3") high on tags nominally two and one-half inches (2-1/2") by three and five-eighths inches (3-5/8") in size. Slide-in holders shall be aluminum and shall have both ends crimped after tags are inserted. The holders shall be attached to the poles with one and one-half inch (1-1/2") aluminum nails as recommended by the tag manufacturer.

Wiring Identification Markers: Unless otherwise indicated, each wire installed shall be identified with its complete circuit number at each termination, splice, junction box or other location where the wire is accessible. Wire identification markers shall be either cloth tape or if cables do not provide a suitable adhesive surface due to cable pulling lubrication compounds used, clip on markers shall be used as described below.

Cloth tape wire markers: Wire identification shall be made by the application of self-sticking wire markers, wrapped around the wire. The markers shall have black characters not less than five-sixteenths inches (5/16") high on a white or yellow background. Markers shall be in strips not less than one and one-half inches (1-1/2") long and shall be made of a high-tack cloth tape with printing protected by a clear, permanent overcoating.

SPECIAL PROVISION

BASIC MATERIALS AND METHODS – ELECTRICAL, Continued

Clip-on wire markers: Clip-on wire markers shall be white with black lettering. The individual letters shall interlock to keep the letters aligned. Wire markers shall meet Military Specifications MIL-H-5606 and MIL-L-7808. The proper size of wire markers shall be used to prevent slipping of the markers on the cable.

Pole Wire: Unless otherwise indicated, each luminaire installed shall be provided with pole wire extending from fusing at the base of its respective pole to the luminaire. Two wires shall be extended for each luminaire. Pole wire shall also be provided for pole top mounted photocells at the locations shown on the Plans.

Unless otherwise indicated pole wire shall be sized No. 10.

Unless otherwise indicated pole wire shall have copper conductors, stranded in conformance with ASTM B8.

Unless otherwise indicated pole wire shall be insulated with cross-linked polyethylene, (XLP) insulation or ethylene propylene (EPR) insulation with a chlorosulfanated polyethylene jacket.

Pole wire shall be rated 600 volts, RHW/USE and shall be UL listed.

Pole wire shall be color coded via insulation color. EPR wire may be color-coded via painting. Unless otherwise indicated, neutral wires shall be white and phase conductors shall be color-coded red or black as appropriate to match the associated branch circuit conductors. Cable identification marking shall be visible in a contrasting color.

Grounding: All electrical systems, equipment and appurtenances shall be properly grounded in strict conformance with the NEC, even though every detail of the requirements is not specified or shown. Good ground continuity throughout the electrical system shall be assured. All electrical circuit runs shall have a continuous equipment grounding conductor. IN NO CASE SHALL THE EARTH BE CONSIDERED AS AN ADEQUATE EQUIPMENT GROUNDING PATH.

Where connections are made to painted surfaces, the paint shall be scraped to fully expose metal at the connection point and serrated connectors or washers shall be used.

Where metallic conduit is utilized as the equipment grounding conductor, extreme care shall be exercised to assure continuity at joints and termination points. No wiring run shall be installed without a suitable equipment ground conductor. Where no equipment ground conductor is provided for in the Plans and associated specified pay item, the Contractor is obligated to bring the case to the attention of the Engineer who will direct the Contractor accordingly. Work which is extra to the Contract will be paid extra.

Unless otherwise indicated, grounding conductors shall be copper and shall be insulated in a manner as specified for the associated phase conductors. Insulation for ground wires shall be green.

SPECIAL PROVISION

BASIC MATERIALS AND METHODS – ELECTRICAL, Continued

Unless otherwise indicated, ground rods shall be copper-clad steel rods not less than five-eighths inch (5/8") in diameter and ten feet (10') long, driven so that tops of the rods are twenty-four inches (24") below finished grade. Where indicated, ground wells shall be included to permit access to the rod connections.

Unless otherwise indicated, all connections to ground rods, structural steel, reinforcing steel or fencing shall be made with exothermic welds. Where such connections are made to insulated conductors, the connection shall be wrapped with at least four (4) layers of electrical tape extended six inches (6") onto the conductor insulation.

Where a ground field of "made" electrodes is provided, the exact locations of the rods shall be documented by dimensioned drawings as part of the Record Drawings.

Equipment ground wires shall be bonded, using a splice and pigtail connection, to all boxes and other metallic enclosures throughout the wiring system.

The grounding system shall be fully tested. This testing shall include continuity tests of all equipment grounding using a low-range ohmmeter and a test of the system ground via measurements using a suitable bridge or by other means approved by the Engineer.

SPECIAL PROVISION

TRAFFIC CONTROL AND PROTECTION

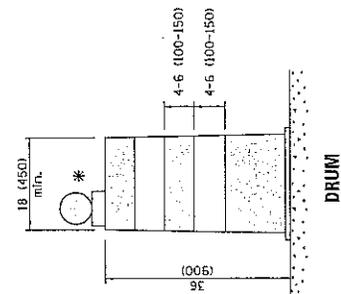
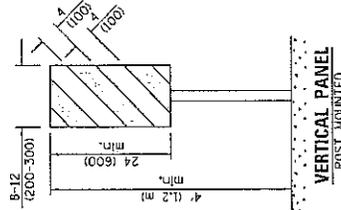
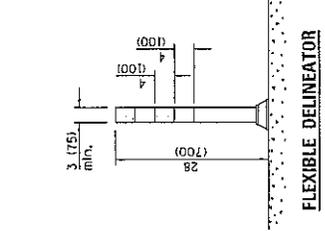
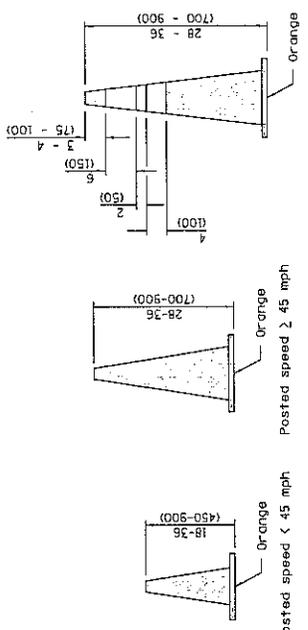
Description: Traffic Control shall be in accordance with the applicable section of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Devices for Streets and Highways", and special details and Highway Standards contained in the Plans and Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control, Recurring Special Provisions, and Special Provisions contained herein, relating to traffic control.

STANDARDS: 701901-05

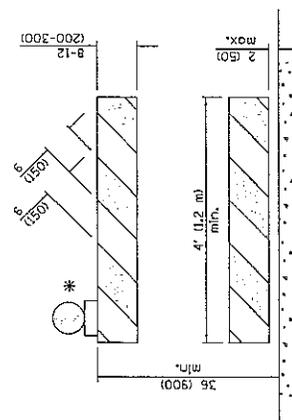
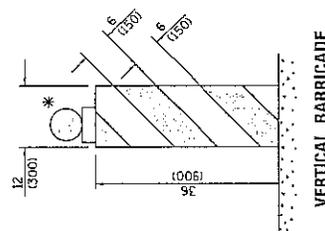
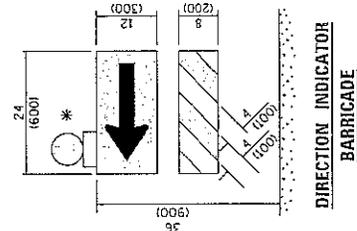
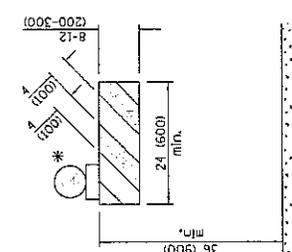
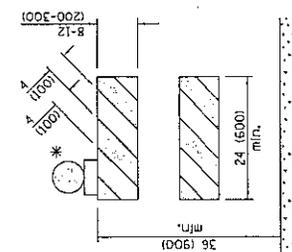
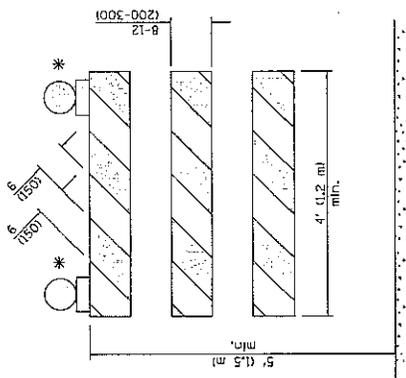
SPECIAL PROVISIONS: Reflective Sheeting on Channelization Devices
 Maintenance of Roadways
 Personal Protective Equipment

Basis of Payment: All traffic protection will be considered incidental to the cost of the Contract and will not be paid for separately, unless an item is so provided in the "Bidding Schedule". If an item is provided, payment will be made on the basis of the bid line item or on a pro-rata basis if bid as a lump sum.



REFLECTORIZED CONE FOR NIGHTTIME

CONE FOR DAYTIME



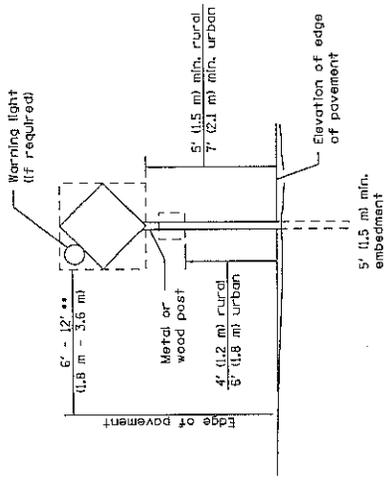
* Warning lights (if required)

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

| DATE | REVISIONS |
|--------|---|
| 4-1-16 | Add dim's to barricades. Rev. note for post mnt. signs. |
| 1-1-15 | Rev. cone dfls. Add W12-11Q1. Revised two sign numbers on sheet 2. Added note req. PHOTO ENFORCED plaque. |

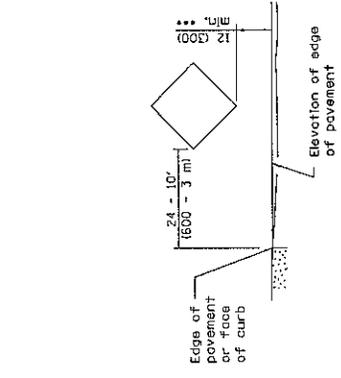
TRAFFIC CONTROL DEVICES
STANDARD 701901-05
(Sheet 1 of 3)

Illinois Department of Transportation
APPROVED: _____ 2016
ENGINEER OF OPERATIONS
APPROVED: _____ 2016
ENGINEER OF DESIGN AND ENVIRONMENT



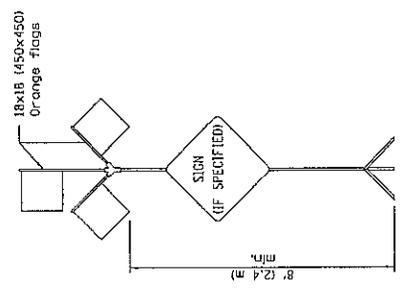
POST MOUNTED SIGNS

•• When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 5' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

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



HIGH LEVEL WARNING DEVICE

ROAD CONSTRUCTION NEXT X MILES
G20-1104101-6036

END CONSTRUCTION
G20-1105101-6024

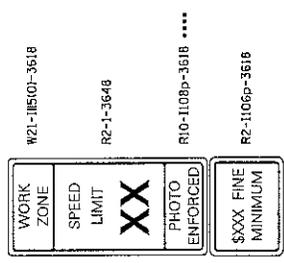
This signing is required for all projects 2 miles (3200 m) or more in length.

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

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

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

WORK LIMIT SIGNING



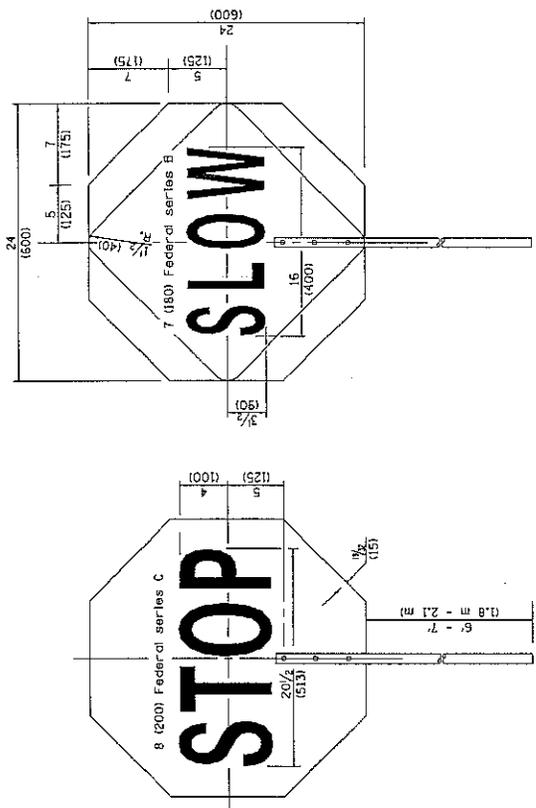
Sign assembly as shown on Standards or as allowed by District Operations.

END WORK ZONE SPEED LIMIT
G20-1104101-6036

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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

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



WIDTH RESTRICTION SIGN

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

Illinois Department of Transportation

APPROVED _____ 2016

ENGINEER OF OPERATIONS

APPROVED _____ 2016

ENGINEER OF DESIGN AND ENVIRONMENT

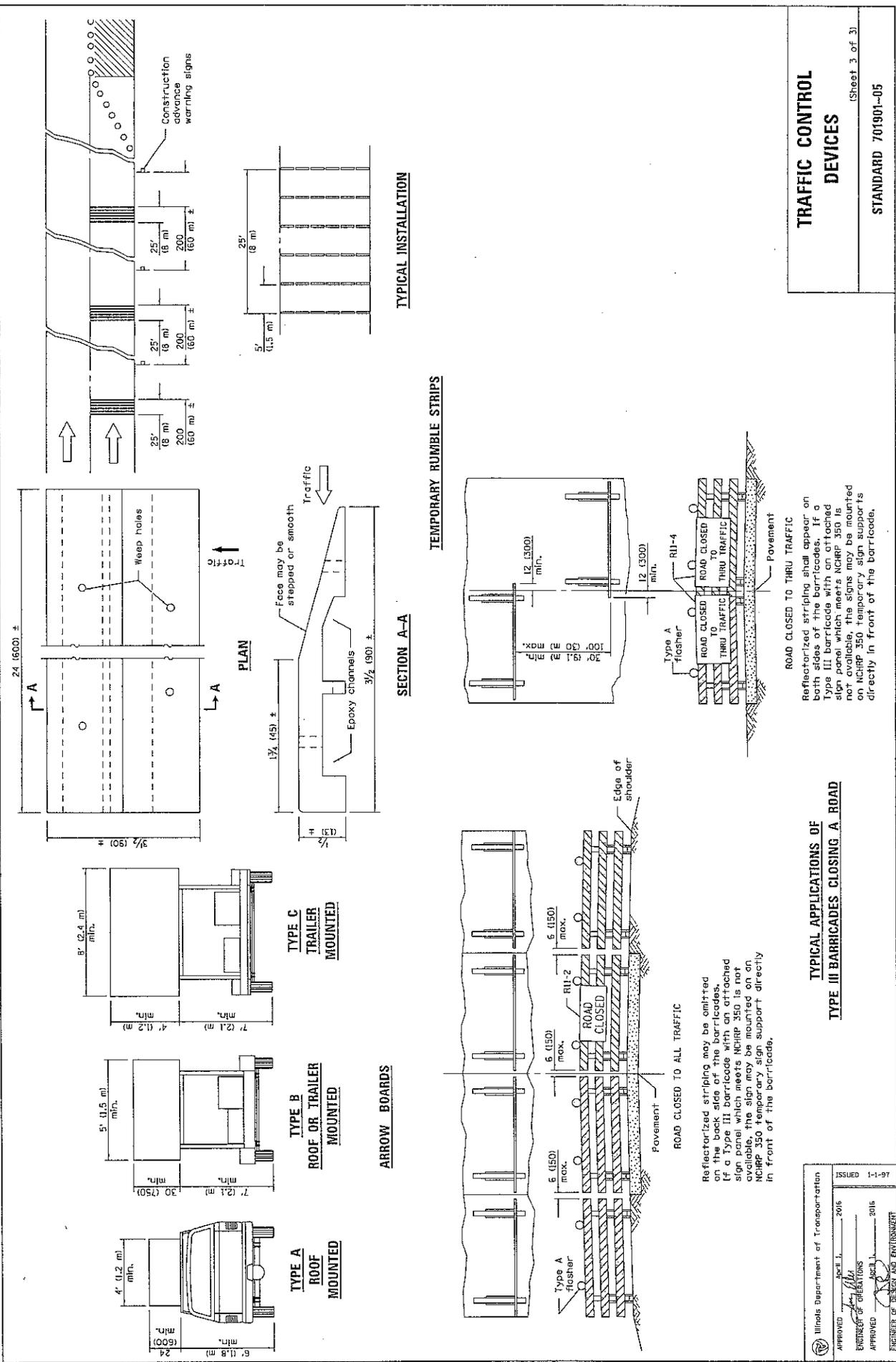
15-1-1 020551

FLAGGER TRAFFIC CONTROL SIGN

TRAFFIC CONTROL DEVICES

STANDARD 701901-05

(Sheet 2 of 3)





Illinois Department of Transportation

Local Agency Proposal Bid Bond

RETURN WITH BID

| | |
|--------------------------|----------------|
| Route: | VARIOUS |
| Municipality | CITY OF BERWYN |
| Rd. Dist./Twnshp: | 1 / LYONS |
| County: | COOK |
| Section: | 15-00000-05-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 to 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 _____ A.D., 2015.

PRINCIPAL

| | |
|-------------------------------|-------------------------------|
| _____ (Company Name) | _____ (Company Name) |
| BY: _____ (Signature & Title) | BY: _____ (Signature & Title) |

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

SURETY

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

STATE OF ILLINOIS
COUNTY OF _____ ss

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 instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____ A.D., 2015.

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.)

| | | |
|---|-----------------------------|--------------|
| <input type="checkbox"/> | _____ (Company/Bidder Name) | _____ (Date) |
| | _____ (Signature and Title) | |



Illinois Department of Transportation

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

Affidavit of Availability For the Letting of 15-00000-05-GM

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

Part I. Work Under Contract

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

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

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

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

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

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

Part III. Work Subcontracted to Others.

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

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

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

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

Notary Public _____ Signed _____

My commission expires _____ Company _____

(Notary Seal) Address _____
