

LEGAL NOTICE

INVITATION TO BID

TO PROVIDE MATERIALS FOR WOOLLEY ROAD PEDESTRIAN SIGNALS

The Village of Oswego, Illinois is inviting sealed bids for provision of pedestrian signals. Sealed bids must be mailed or hand-delivered to the address listed below by Tuesday, May 3, 2016 at 10:00 A.M. Bids will be publically opened and read aloud at the above stated time and place. Bids not physically received by the Village by 10:00 A.M. on Tuesday, May 3, 2016 will be returned, unopened to the firm. All proposals should be addressed to:

Village of Oswego
Re: (vendor name)
Bid for the Village of Oswego, **“WOOLLEY ROAD PEDESTRIAN SIGNALS”**
Attention: Tina Touchette
Village Clerk
100 Parkers Mill
Oswego IL 60543

Bid packets, including specifications and form of contract are available online at <http://www.oswegoil.org>. The link can be found under the Business & Development tab-Bids & RFPs. Additionally, packets may be picked up at the Finance Department, Oswego Village Hall, 100 Parker's Mill, Oswego, Illinois, 60543.

Successful bidder must provide proper insurance and a Bid Bond acceptable to the Village.

Each contractor is to submit their bid as indicated in the Specifications.

The successful bidder will enter into a contract with the Village substantially in the form set forth in the specifications.

The Village reserves the right to reject any or all bids and to waive any informality in bidding.

Emailed or faxed bids will not be accepted.

Award of Contract: The Village of Oswego President and Board of Trustees will make the final award of the bid and contract.



**Illinois Department
of Transportation**

**Local Public Agency
Material Proposal or
Deliver & Install Proposal**

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

STATE OF ILLINOIS

COUNTY OF Kendall
Village of Oswego
 (Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. Woolley Road
 SECTION NO. 14-00047-00-SW
 TYPES OF FUNDS SRTS

- MATERIAL PROPOSAL DELIVER & INSTALL PROPOSAL
 SPECIFICATIONS (required) PLANS (if applicable)

For Municipal Projects
 Submitted/Approved/Passed

Mayor President of Board of Trustees Municipal Official

Date

Department of Transportation

Released for bid based on limited review

Regional Engineer

Date

For County and Road District Projects
 Submitted/Approved

Highway Commissioner

Date

Submitted/Approved

County Engineer/Superintendent of Highways

Date

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

RETURN WITH BID

NOTICE TO BIDDERS

County Kendall
Local Public Agency Village of Oswego
Section Number 14-00047-00-SW
Route Woolley Road

Sealed proposals for the furnishing or delivering & installing materials required in the construction/maintenance of the above Section will be received and at that time publicly opened and read at the office of Village Clerk,

100 Parkers Mill, Oswego, IL 60543 until 10:00 AM on
Address Time Date

- 1. Plans and proposal forms will be available in the office of Village Clerk
100 Parkers Mill, Oswego, IL 60543
Address
2. Prequalification. If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work.
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 Material Proposals.
4. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Material Proposals, will be required. Bid Bonds will not be allowed as a proposal guaranty.
5. The successful bidder at the time of execution of the contract will not 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. Failure on the part of the contractor to deliver the material within the time specified or to do the work specified herein will be considered just cause to forfeit his surety as provided in Article 108.10 of the Standard Specifications.
6. Proposals shall be submitted on forms furnished by the Awarding Authority and shall be enclosed in an envelope endorsed "Material Proposal, Section 14-00047-00-SW".

By Order of Village of Oswego Date Tina Touchette, Village Clerk
(Awarding Authority) (County Engineer/Superintendent of Highways/Municipal Clerk)

Material Proposal or Deliver & Install Proposal

To Village of Oswego
(Awarding Authority)

If this bid is accepted within 45 days from date of opening, the undersigned agrees to furnish or to deliver & install any or all of the materials, at the quoted unit prices, subject to the following:

- 1. It is understood and agreed that the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2012, and the "Supplemental Specifications and Recurring Special Provisions", adopted January 1, 2015, prepared by the Department of Transportation, shall govern insofar as they may be applied and insofar as they do not conflict with the special provisions and supplemental specifications attached hereto.
2. It is understood that quantities listed are approximate only and that they may be increased or decreased as may be needed to properly complete the improvement within its present limits or extensions thereto, at the unit price stated and that bids will be compared on the basis of the total price bid for each group.
3. Delivery in total or partial shipments as ordered shall be made within the time specified in the special provisions or by the acceptance at the point and in the manner specified in the "Schedule of Prices". If delivery on the job site is specified, it shall mean any place or places on the road designated by the awarding authority or its authorized representative.
4. The contractor and/or local agency performing the actual material placement operations shall be responsible for providing work zone traffic control, unless otherwise specified in this proposal. Such devices shall meet the requirements of and be installed in accordance with applicable provisions of the "Illinois Manual on Uniform Traffic Control Devices" and any referenced Illinois Highway Standards.
5. 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. A bid will be declared unacceptable if neither a unit price nor a total price is shown.

Discounts will be allowed for payment as follows: % calendar days: % calendar days.

Discounts will not be considered in determining the low bidder.

Bidder By
Address Title
(Signature)

CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

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

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

CHECK SHEET
FOR
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

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

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

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

CHECK SHEET #LRS5

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

**SPECIAL PROVISION
FOR
CONTRACT CLAIMS**

Effective: January 1, 2002
Revised: January 1, 2007

Revise the second sentence of subparagraph (a) of Article 109.09 of the Standard Specifications to read:

"All claims shall be submitted to the Engineer."

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

"(e) Procedure. All Claims shall be submitted to the Engineer. The Engineer will consider all information submitted with the claim. Claims not conforming to this Article will be returned without consideration. The Engineer may schedule a claim presentation meeting if, in the Engineer's judgment, such a meeting would aid in resolution of the claim, otherwise a decision will be based on the claim documentation submitted. A final decision will be rendered within 90 days of receipt of the claim.

Full compliance by the Contractor with the provisions specified in this Article is a contractual condition precedent to the Contractor's right to seek relief in the Court of Claims. The Engineer's written decision shall be the final administrative action of the Department. Unless the Contractor files a claim for adjudication by the Court of Claims within 60 days after the date of the written decision, the failure to file shall constitute a release and waiver of the claim."

CHECK SHEET #LRS7

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

SPECIAL PROVISION FOR BIDDING REQUIREMENTS AND CONDITIONS FOR MATERIAL PROPOSALS

Effective: January 1, 2002

Revised: January 1, 2013

Replace Article 102.01 of the Standard Specifications with the following:

“Prequalification of Bidders. When prequalification is required and the awarding authority for contract construction work is the County Board of a County, the Council, the City Council, or the President and Board of Trustees of a city, village, or town, each prospective bidder, in evidence of competence, shall furnish the awarding authority as a prerequisite to the release of proposal forms by the awarding authority, a certified or photostatic copy of a "Certificate of Eligibility" issued by the Department of Transportation, in accordance with the Department's "Prequalification Manual".

The two low bidders must file, within 24 hours after the letting, a sworn affidavit in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work, using the blank form made available for this affidavit. One copy shall be filed with the awarding authority and two copies with the District office.

Issuance of Proposal Forms. The Awarding Authority reserves the right to refuse to issue a proposal form for bidding purposes for any of the following reasons:

- (a) Lack of competency and adequate machinery, plant, and other equipment, as revealed by the financial statement and experience questionnaires required in prequalification procedures.
- (b) Uncompleted work which, in the judgement of the Awarding Authority, might hinder or prevent the prompt completion of additional work awarded.
- (c) False information provided on a bidder's "Affidavit of Availability".
- (d) Failure to pay, or satisfactorily settle, all bills due for labor and material on former contracts in force at the time of issuance of proposal forms.
- (e) Failure to comply with any prequalification regulations of the Department.
- (f) Default under previous contracts.
- (g) Unsatisfactory performance record as shown by past work for the Awarding Authority, judged from the standpoint of workmanship and progress.
- (h) When the Contractor is suspended from eligibility to bid at a public letting where the contract is awarded by, or requires approval of, the Department.

- (i) When any agent, servant, or employee of the prospective bidder currently serves as a member, employee, or agent of a governmental body that is financially involved in the proposal work.
- (j) When any agent, servant, or employee of the perspective bidder has participated in the preparation of plans or specifications for the proposed work.

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

Examination of Material Proposal, Specifications, Special Provisions, and Site of Work. The bidder shall, before submitting a bid, carefully examine the provisions of the proposal. The bidder shall inspect in detail the site of the proposed work, investigate and become familiar with all the local conditions affecting the work and fully acquaint themselves with the detailed requirements of the work. Submission of a bid shall be a conclusive assurance and warranty the bidder has made these examinations and the bidder understands all requirements for the performance of the work. If his/her bid is accepted, the bidder will be responsible for all errors in the proposal resulting from his/her failure or neglect to comply with these instructions. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses, or change in anticipated profits resulting from such failure or neglect of the bidder to make these examinations.

The bidder shall take no advantage of any error or omission in the proposal. Any prospective bidder who desires an explanation or interpretation of the specification, or any of the documents, shall request such in writing from the Awarding Authority, in sufficient time to allow a written reply by the Awarding Authority that can reach all prospective bidders before the submission of their bids. Any reply given a prospective bidder concerning any of the documents and specifications will be furnished to all prospective bidders in the form determined by the Awarding Authority including, but not limited to, an addendum, if the information is deemed by the Awarding Authority to be necessary in submitting bids or if the Awarding Authority concludes the information would aid competition. Oral explanations, interpretations or instructions given before the submission of bids unless at a prebid conference will not be binding on the Awarding Authority.

Preparation of the Proposal. Bidders shall submit their proposals on the form furnished by the Awarding Authority. The proposal shall be executed properly, and bids shall be made for all items indicated in the proposal form, except when alternate bids are asked, a bid on more than one alternate for each item is not required, unless otherwise provided. The bidder shall indicate in figures, a unit price for each of the separate items called for in the proposal form; the bidder shall show the products of the respective quantities and unit prices in the column provided for that purpose, and the gross sum shown in the place indicated in the proposal form shall be the summation of said products. All writing shall be with ink or typewriter, except the signature of the bidder which shall be written in ink.

CHECK SHEET #LRS7

When prequalification is required, the proposal form shall be submitted by an authorized bidder in the same name and style as shown on the "Contractor's Statement of Experience and Financial Condition" used for prequalification and shall be submitted in like manner.

Rejection of Proposals. The Awarding Authority reserves the right to reject any proposal for any of the conditions in "Issuance of Proposal Forms" or for any of the following reasons:

- (a) More than one proposal for the same work from an individual, firm, partnership, or corporation under the same name or different names.
- (b) Evidence of collusion among bidders.
- (c) Unbalanced proposals in which the bid prices for some items are, in the judgement of the Awarding Authority, out of proportion to the bid prices for other items.
- (d) If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items or lump sum pay items.
- (e) If the proposal form is other than that furnished by the Awarding Authority; or if the form is altered or any part thereof is detached.
- (f) If there are omissions, erasures, alterations, unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
- (g) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
- (i) If the proposal is not accompanied by the proper proposal guaranty.
- (i) If the proposal is prepared with other than ink or typewriter, or otherwise fails to meet the requirements of the above "Preparation of Proposal" section.

Proposal Guaranty. Each proposal shall be accompanied by a bid bond on the Department form contained in the proposal, executed by a corporate surety company satisfactory to the Awarding Authority, by a bank cashier's check or a properly certified check for not less than five percent of the amount bid, or for the amount specified in the following schedule:

| | Amount Bid | Proposal Guaranty |
|------------|-------------|-------------------|
| Up to | \$5,000 | \$150 |
| >\$5,000 | \$10,000 | \$300 |
| >\$10,000 | \$50,000 | \$1,000 |
| >\$50,000 | \$100,000 | \$3,000 |
| >\$100,000 | \$150,000 | \$5,000 |
| >\$150,000 | \$250,000 | \$7,500 |
| >\$250,000 | \$500,000 | \$12,500 |
| >\$500,000 | \$1,000,000 | \$25,000 |

CHECK SHEET #LRS7

| Amount Bid | Proposal Guaranty | |
|---------------|-------------------|-------------|
| >\$1,000,000 | \$1,500,000 | \$50,000 |
| >\$1,500,000 | \$2,000,000 | \$75,000 |
| >\$2,000,000 | \$3,000,000 | \$100,000 |
| >\$3,000,000 | \$5,000,000 | \$150,000 |
| >\$5,000,000 | \$7,500,000 | \$250,000 |
| >\$7,500,000 | \$10,000,000 | \$400,000 |
| >\$10,000,000 | \$15,000,000 | \$500,000 |
| >\$15,000,000 | \$20,000,000 | \$600,000 |
| >\$20,000,000 | \$25,000,000 | \$700,000 |
| >\$25,000,000 | \$30,000,000 | \$800,000 |
| >\$30,000,000 | \$35,000,000 | \$900,000 |
| Over | \$35,000,000 | \$1,000,000 |

In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must equal to the sum of the proposal guaranties which would be required for each individual proposal.

Bank cashier's checks or properly certified checks accompanying proposals shall be made payable to the County Treasurer, when a County is the awarding authority; or the City, Village, or Town Treasurer, when a city, village, or town is the awarding authority.

If this proposal contains various groups and the bidder has the option of bidding on one or several groups, the bidder may provide a separate proposal guaranty for each group or combination of groups in lieu of a single proposal guaranty to cover the amount bid for the entire proposal. Each proposal guaranty shall identify the groups covered by the individual proposal guaranty. In the event that one proposal guaranty check is intended to cover two or more groups, the amount must be equal to the sum of the proposal guaranties which would be required for each individual group.

The proposal guaranty checks of all, except the two lowest responsible, will be returned promptly after the proposals have been checked, tabulated, and the relation of the proposals established. Proposal guaranty checks of the two lowest bidders will be returned as soon as the contract and contract bond of the successful bidder have been properly executed and approved. If a contract bond is not required, the proposal guaranty check will be held in lieu thereof. Bid bonds will not be returned.

The awarding authority may deny the use of a bid bond as a proposal guaranty but may not further restrict the proposal guaranty. The Notice of Material Letting will state whether a bid bond is allowed.

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

CHECK SHEET #LRS7

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

Public Opening of Proposals. Proposals will be opened and read publicly at the time and place specified in the Notice to Bidders. Bidders, their authorized agents and other interested parties are invited to be present.

Consideration of Proposals. After the proposals are opened and read, they will be compared on the basis of the summation of the products of the quantities shown in the bid schedule by the unit bid prices. In the event of a discrepancy between unit bid prices and extensions, the unit bid price shall govern. In awarding the supply of materials, the Awarding Authority will, in addition to considering the amounts stated in the proposals, take into consideration the responsibility of the various bidders as determined from a study of the data required under "Prequalification of Bidders", and from other investigations which it may elect to make.

The right is reserved to reject any or all proposals, to waive technicalities or to advertise for new proposals, if in the judgement of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

Acceptance of Proposal to Furnish Material. The award will be made within 45 calendar days after the opening of proposals to the lowest responsible and qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by letter of intent that his/her bid has been accepted, and subject to the following conditions, the bidder will be the Contractor or Supplier.

An acceptance of proposal to furnish materials executed by the Awarding Authority is required before the Awarding Authority is bound. An award may be cancelled any time by the Awarding Authority prior to execution in order to protect the public interest and integrity of the bidding process or for any other reason if, in the judgement of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

If a material proposal is not awarded within 45 days after the opening of proposals, bidders may file a written request with the Awarding Authority for the withdrawal of their bid, and the Awarding Authority will permit such withdrawal.

Requirement of Contract Bond. If the Awarding Authority requires a Contract Bond, the Contractor or Supplier shall furnish the Awarding Authority a performance and payment bond with good and sufficient sureties in the full amount of the award as the penal sum. The surety shall be acceptable to the Awarding Authority, shall waive notice of any changes and extensions of time, and shall submit its bond on the form furnished by the Awarding Authority.

The contract bond shall be returned within 15 days after the notice of award. Failure of the successful bidder to execute and file acceptable bonds within 15 days after the notice of award has been mailed to the bidder shall be just cause for the cancellation of the award and the forfeiture of the proposal guaranty which shall become the property of the Awarding Authority, not as penalty, but in liquidation of

damages sustained. Award may then be made to the next lowest responsible bidder, or the work may be readvertised, or otherwise, as the Awarding Authority may decide.

If the bidder to whom the award is made is a corporation organized under the laws of a State other than Illinois, the bidder shall furnish the Awarding Authority a copy of the corporation's Certificate of Authority to do business in the State of Illinois with the return of the contract bond. Failure to furnish such evidence of a Certificate of Authority within the time required will be considered as just cause for the annulment of the award and the forfeiture of the proposal guaranty to the Awarding Authority, not as a penalty, but in payment of liquidated damages sustained as a result of such failure.

Failure to Execute the Acceptance of Proposal to Furnish Material. If the acceptance of proposal to furnish material is not executed by the Awarding Authority within 15 days following receipt from the bidder of the properly executed bonds, the bidder shall have the right to withdraw his/her bid without penalty.”

BDE SPECIAL PROVISIONS
For the April 22 and June 10, 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> |
|------------------|----------|--|------------------|----------------|
| 80099 | 1 | Accessible Pedestrian Signals (APS) | April 1, 2003 | Jan. 1, 2014 |
| * 80274 | 2 | Aggregate Subgrade Improvement | April 1, 2012 | April 1, 2016 |
| 80192 | 3 | Automated Flagger Assistance Device | Jan. 1, 2008 | |
| 80173 | 4 | Bituminous Materials Cost Adjustments | Nov. 2, 2006 | July 1, 2015 |
| 80241 | 5 | Bridge Demolition Debris | July 1, 2009 | |
| 5026I | 6 | Building Removal-Case I (Non-Friable and Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| 5048I | 7 | Building Removal-Case II (Non-Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| 5049I | 8 | Building Removal-Case III (Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| 5053I | 9 | Building Removal-Case IV (No Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| 80360 | 10 | Coarse Aggregate Quality | July 1, 2015 | |
| 80198 | 11 | Completion Date (via calendar days) | April 1, 2008 | |
| 80199 | 12 | Completion Date (via calendar days) Plus Working Days | April 1, 2008 | |
| 80293 | 13 | Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet | April 1, 2012 | April 1, 2015 |
| * 80311 | 14 | Concrete End Sections for Pipe Culverts | Jan. 1, 2013 | April 1, 2016 |
| * 80277 | 15 | Concrete Mix Design – Department Provided | Jan. 1, 2012 | April 1, 2016 |
| 80261 | 16 | Construction Air Quality – Diesel Retrofit | June 1, 2010 | Nov. 1, 2014 |
| * 80029 | 17 | Disadvantaged Business Enterprise Participation | Sept. 1, 2000 | Jan. 2, 2016 |
| * 80363 | 18 | Engineer's Field Office | April 1, 2016 | |
| 80358 | 19 | Equal Employment Opportunity | April 1, 2015 | |
| * 80364 | 20 | Errata for the 2016 Standard Specifications | April 1, 2016 | |
| 80229 | 21 | Fuel Cost Adjustment | April 1, 2009 | July 1, 2015 |
| 80304 | 22 | Grooving for Recessed Pavement Markings | Nov. 1, 2012 | Aug. 1, 2014 |
| * 80246 | 23 | Hot-Mix Asphalt – Density Testing of Longitudinal Joints | Jan. 1, 2010 | April 1, 2016 |
| * 80347 | 24 | Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling | Nov. 1, 2014 | April 1, 2016 |
| * 80336 | 25 | Longitudinal Joint and Crack Patching | April 1, 2014 | April 1, 2016 |
| 80045 | 26 | Material Transfer Device | June 15, 1999 | Aug. 1, 2014 |
| * 80342 | 27 | Mechanical Side Tie Bar Inserter | Aug. 1, 2014 | April 1, 2016 |
| 80165 | 28 | Moisture Cured Urethane Paint System | Nov. 1, 2006 | Jan. 1, 2010 |
| * 80361 | 29 | Overhead Sign Structures Certification of Metal Fabricator | Nov. 1, 2015 | April 1, 2016 |
| * 80349 | 30 | Pavement Marking Blackout Tape | Nov. 1, 2014 | April 1, 2016 |
| * 80298 | 31 | Pavement Marking Tape Type IV | April 1, 2012 | April 1, 2016 |
| * 80365 | 32 | Pedestrian Push-Button | April 1, 2016 | |
| * 80359 | 33 | Portland Cement Concrete Bridge Deck Curing | April 1, 2015 | April 1, 2016 |
| * 80353 | 34 | Portland Cement Concrete Inlay or Overlay | Jan. 1, 2015 | April 1, 2016 |
| * 80338 | 35 | Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching | April 1, 2014 | April 1, 2016 |
| * 80300 | 36 | Preformed Plastic Pavement Marking Type D - Inlaid | April 1, 2012 | April 1, 2016 |
| 80328 | 37 | Progress Payments | Nov. 2, 2013 | |
| 3426I | 38 | Railroad Protective Liability Insurance | Dec. 1, 1986 | Jan. 1, 2006 |
| 80157 | 39 | Railroad Protective Liability Insurance (5 and 10) | Jan. 1, 2006 | |
| * 80306 | 40 | Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS) | Nov. 1, 2012 | April 1, 2016 |
| * 80340 | 41 | Speed Display Trailer | April 2, 2014 | April 1, 2016 |
| 80127 | 42 | Steel Cost Adjustment | April 2, 2004 | July 1, 2015 |
| 80362 | 43 | Steel Slag in Trench Backfill | Jan. 1, 2016 | |
| * 80317 | 44 | Surface Testing of Hot-Mix Asphalt Overlays | Jan. 1, 2013 | April 1, 2016 |

| <u>File Name</u> | <u>#</u> | <u>Special Provision Title</u> | <u>Effective</u> | <u>Revised</u> |
|------------------|----------|---|------------------|----------------|
| 80355 | 45 | Temporary Concrete Barrier | Jan. 1, 2015 | July 1, 2015 |
| 20338 | 46 | Training Special Provisions | Oct. 15, 1975 | |
| 80318 | 47 | Traversable Pipe Grate | Jan. 1, 2013 | April 1, 2014 |
| * 80288 | 48 | Warm Mix Asphalt | Jan. 1, 2012 | April 1, 2016 |
| 80302 | 49 | Weekly DBE Trucking Reports | June 2, 2012 | April 2, 2015 |
| 80289 | 50 | Wet Reflective Thermoplastic Pavement Marking | Jan. 1, 2012 | |
| 80071 | 51 | Working Days | Jan. 1, 2002 | |

The following special provisions and recurring special provisions are in the 2016 Standard Specifications.

| <u>File Name</u> | <u>Special Provision Title</u> | <u>New Location</u> | <u>Effective</u> | <u>Revised</u> |
|------------------|--|--|------------------|----------------|
| 80240 | Above Grade Inlet Protection | Articles 280.02, 280.04, and 1081.15 | July 1, 2009 | Jan. 1, 2012 |
| 80310 | Coated Galvanized Steel Conduit | Article 811.03 | Jan. 1, 2013 | Jan. 1, 2015 |
| 80341 | Coilable Nonmetallic Conduit | Article 1088.01 | Aug. 1, 2014 | Jan. 1, 2015 |
| 80294 | Concrete Box Culverts with Skews \leq 30 Degrees Regardless of Design Fill and Skews $>$ 30 Degrees with Design Fills $>$ 5 Feet | Article 540.04 | April 1, 2012 | April 1, 2014 |
| 80334 | Concrete Gutter, Curb, Median, and Paved Ditch | Articles 606.02, 606.07, and 1050.04 | April 1, 2014 | Aug. 1, 2014 |
| 80335 | Contract Claims | Article 109.09 | April 1, 2014 | |
| Chk Sht #27 | English Substitution of Metric Reinforcement Bars | Article 508.09 | April 1, 1996 | Jan. 1, 2011 |
| 80265 | Friction Aggregate | Articles 1004.01 and 1004.03 | Jan. 1, 2011 | Nov. 1, 2014 |
| 80329 | Glare Screen | Sections 638 and 1085 | Jan. 1, 2014 | |
| Chk Sht #20 | Guardrail and Barrier Wall Delineation | Sections 635, 725, 782, and 1097 | Dec. 15, 1993 | Jan. 1, 2012 |
| 80322 | Hot-Mix Asphalt – Mixture Design Composition and Volumetric Requirements | Sections 312, 355, 406, 407, 442, 482, 601, 1003, 1004, 1030, and 1102 | Nov. 1, 2013 | Nov. 1, 2014 |
| 80323 | Hot-Mix Asphalt – Mixture Design Verification and Production | Sections 406, 1030, and 1102 | Nov. 1, 2013 | Nov. 1, 2014 |
| 80348 | Hot-Mix Asphalt – Prime Coat | Sections 403, 406, 407, 408, 1032, and 1102 | Nov. 1, 2014 | |
| 80315 | Insertion Lining of Culverts | Sections 543 and 1029 | Jan. 1, 2013 | Nov. 1, 2013 |
| 80351 | Light Tower | Article 1069.08 | Jan. 1, 2015 | |
| 80324 | LRFD Pipe Culvert Burial Tables | Sections 542 and 1040 | Nov. 1, 2013 | April 1, 2015 |
| 80325 | LRFD Storm Sewer Burial Tables | Sections 550 and 1040 | Nov. 1, 2013 | April 1, 2015 |
| 80337 | Paved Shoulder Removal | Article 440.07 | April 1, 2014 | |
| 80254 | Pavement Patching | Article 701.17 | Jan. 1, 2010 | |
| 80352 | Pavement Striping - Symbols | Article 780.14 | Jan. 1, 2015 | |
| Chk Sht #19 | Pipe Underdrains | Section 601 and Articles 1003.01, 1003.04, 1004.05, 1040.06, and 1080.05 | Sept. 9, 1987 | Jan. 1, 2007 |
| 80343 | Precast Concrete Handhole | Articles 814.02, 814.03, and 1042.17 | Aug. 1, 2014 | |
| 80350 | Retroreflective Sheeting for Highway Signs | Article 1091.03 | Nov. 1, 2014 | |
| 80327 | Reinforcement Bars | Section 508 and Articles 421.04, 442.06, 1006.10 | Nov. 1, 2013 | |
| 80344 | Rigid Metal Conduit | Article 1088.01 | Aug. 1, 2014 | |
| 80354 | Sidewalk, Corner, or Crosswalk Closure | Article 1106.02 | Jan. 1, 2015 | April 1, 2015 |
| 80301 | Tracking the Use of Pesticides | Article 107.23 | Aug. 1, 2012 | |
| 80356 | Traffic Barrier Terminals Type 6 or 6B | Article 631.02 | Jan. 1, 2015 | |
| 80345 | Underpass Luminaire | Articles 821.06 and 1067.04 | Aug. 1, 2014 | April 1, 2015 |

| <u>File Name</u> | <u>Special Provision Title</u> | <u>New Location</u> | <u>Effective</u> | <u>Revised</u> |
|------------------|---|-------------------------------------|------------------|----------------|
| 80357 | Urban Half Road Closure with Mountable Median | Articles 701.18, 701.19, and 701.20 | Jan. 1, 2015 | July 1, 2015 |
| 80346 | Waterway Obstruction Warning Luminaire | Article 1067.07 | Aug. 1, 2014 | April 1, 2015 |

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

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

| | |
|---------------------|-----------------------|
| County | <u>Kendall</u> |
| Local Public Agency | <u>Oswego</u> |
| Section | <u>14-00047-00-SW</u> |
| Route | <u>Woolley Road</u> |

SPECIAL PROVISIONS

106.01 Source of Supply and Quality Requirements. The Standard Specifications are modified to add the following provision:

The Contractor shall furnish catalog cut sheets for proposed substitutions with the bid proposal. The cut sheets shall be of sufficient detail for the Village to ascertain whether the substitution meets the intent and function of the specifications. The Village will review any such requests prior to awarding the contract.

All materials shall be delivered to the Oswego Public Works Facility, 100 Theodore Drive, Oswego, IL 60543. Delivery hours shall be Monday through Friday, 7:00 AM to 3:00 PM, exclusive of holidays.

880.x SOLAR POWERED LED FLASHING WARNING SIGN

880.x.01 Description. This work shall consist of furnishing a light emitting diode (LED) solar powered flashing warning sign.

880.x.02 Materials. Solar powered LED flashing warning sign shall have the following features:

- a) MUTCD Compliant
- b) 13 Watt solar panel and battery charger sufficient to meet power requirements of the LEDs
- c) 12" round amber lens
- d) Yellow housing
- e) 24/7 continuous operation
- f) Mount to a 4.5" outside diameter pole
- g) Battery: field replaceable, maintenance-free Nickel Metal Hydride with 3 to 5 year lifespan

CONSTRUCTION REQUIREMENTS

880.x.03 Installation. Installation will be completed by Village crews in accordance with the manufacturer's instructions.

880.x.04 Basis of Payment. Warning signs will be paid for at the contract unit prices per each for SOLAR POWERED LED FLASHING WARNING SIGN delivered to the Public Works Facility.

880.y. RADAR SPEED SIGN

880.y.01 Description. This work shall consist of furnishing a full matrix radar driver feedback sign.

880.y.02 Materials. Radar speed sign shall have the following features:

- a) MUTCD R2-1 regulatory size
- b) 60 Watt solar panel and battery charger sufficient to meet power requirements of radar and LED
- c) Full matrix LED display capable of displaying 12 inch numerals, two-line "SLOW DOWN", 12 inch smile or frown emoticon
- d) Amber speed display
- e) Sign face is to be white with "YOUR SPEED" Legible sign at 600 feet
- f) Weatherproof NEMA 3R enclosure
- g) Programmable integrated strobe
- h) External output port, RS-232 port
- i) K-band (24.15 GHz), direct sensing, license free (FCC part 15 compliant) radar
- j) 450 foot radar range
- k) Bluetooth (Class 1, 300' range) and RS-232 port communication and programming
- l) 600 foot Sign legibility
- m) Speed display range of 5 to 99 miles per hour
- n) Data capacity – 90 days with circular buffer
- o) Mount to a 4.5" outside diameter pole
- p) Warranty – 2 years

CONSTRUCTION REQUIREMENTS

880.y.03 Installation. Installation will be completed by Village crews in accordance with the manufacturer's instructions.

880.y.04 Basis of Payment. Radar speed signs will be paid for at the contract unit prices per each for RADAR SPEED SIGN delivered to the Public Works Facility.

875.x TRAFFIC SIGNAL POST ASSEMBLY

875.x.01 Description. This work shall consist of furnishing a pole, pedestal base, cap, bolts, and brackets.

875.x.02 Materials. Each traffic signal post assembly shall consist of the following components:

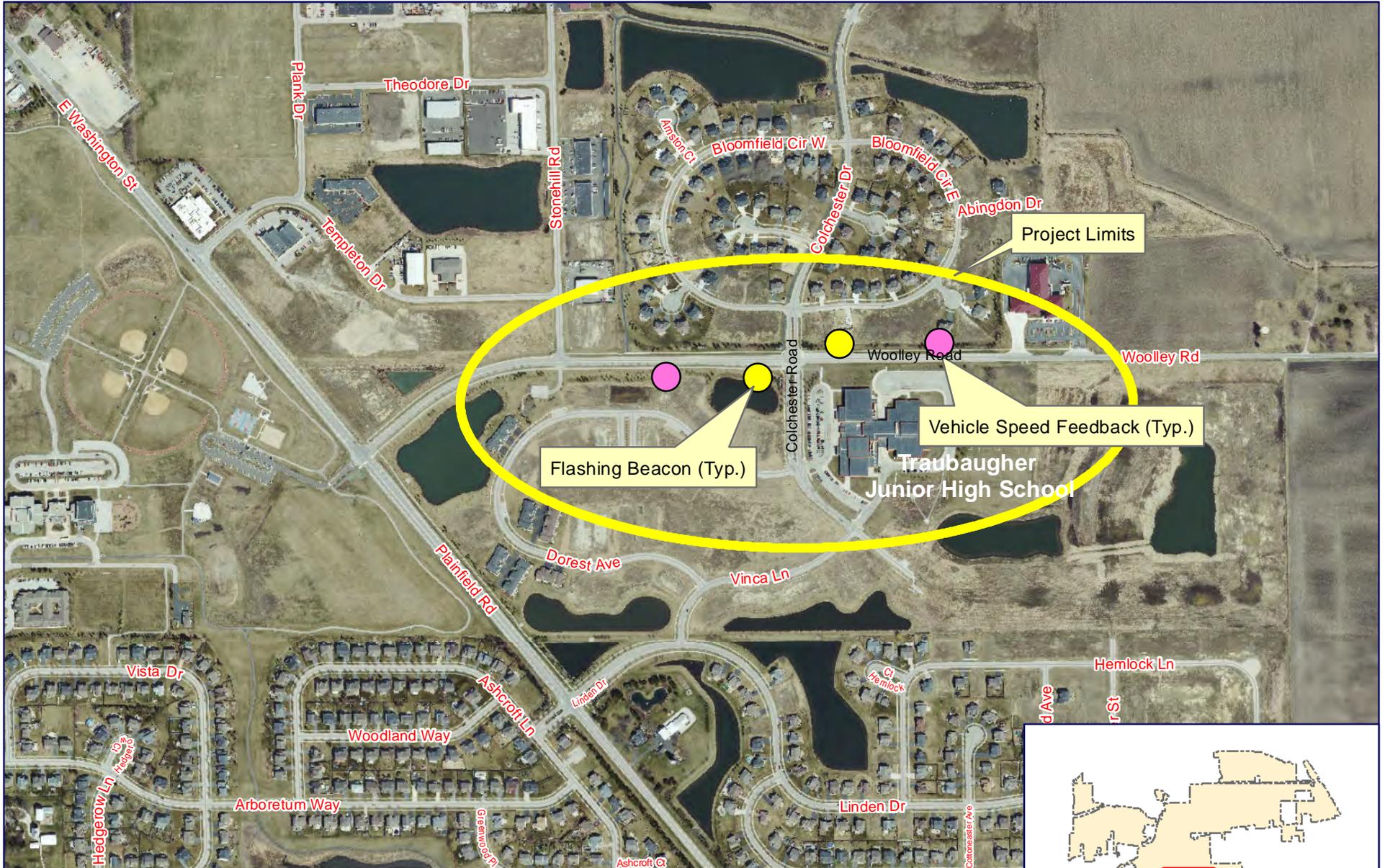
- a) 1 each - 13 foot long schedule 40 raw aluminum pole with 4-1/2" outside diameter and one end threaded
- b) 4 each - 42" J-bolt
- c) 1 each – Sign mounting kit, Z=Bracket, 4-1/2", anti-vandal
- d) 1 each – Cap, 4.5" outside diameter pole, 4C Cap Signal

CONSTRUCTION REQUIREMENTS

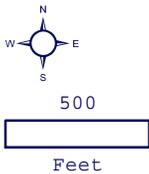
875.x.03 Installation. Installation will be completed by Village crews in accordance with the manufacturer's instructions.

875.x.04 Basis of Payment. Post assemblies will be paid for at the contract unit prices per each for TRAFFIC SIGNAL POST ASSEMBLY delivered to the Public Works Facility.

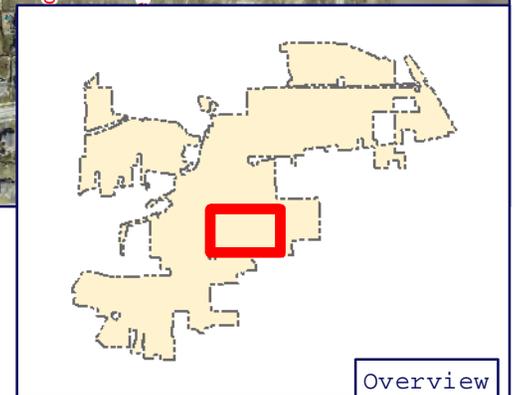
Village of Oswego

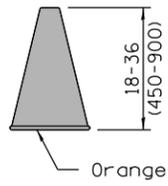


Date Printed: 2/20/2015

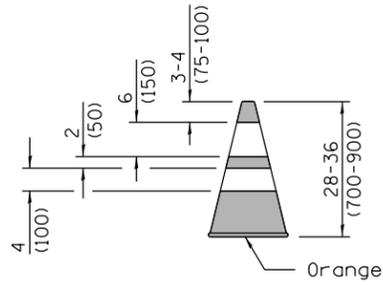


The requested map will be created for study purposes only. Please refer to the official recorded plats or deeds for the actual legal descriptions and property dimensions. No liability is assumed for the accuracy of the data delineated herein, either expressed or implied by the Village of Oswego or its employees. This work is protected by the United States Copyright Act of 1976 (17 U.S.C. Sec101 et seq). You are not permitted to use and/or reproduce any part of a copyrighted work of the Village of Oswego in violation of Federal Copyright Law. Doing so may result in prosecution under such law. If you wish to use property in which the Village of Oswego owns a copyright, you must obtain written permission through the Community Development Department in the Village of Oswego, located at 100 Parkers Mill, Oswego, Illinois 60543.

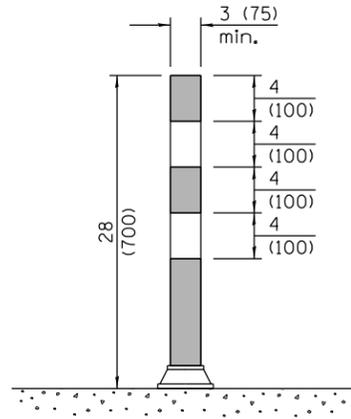




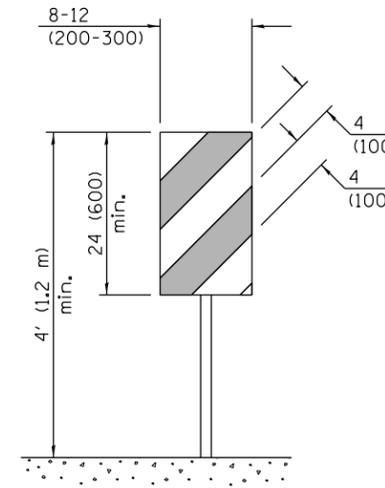
CONE



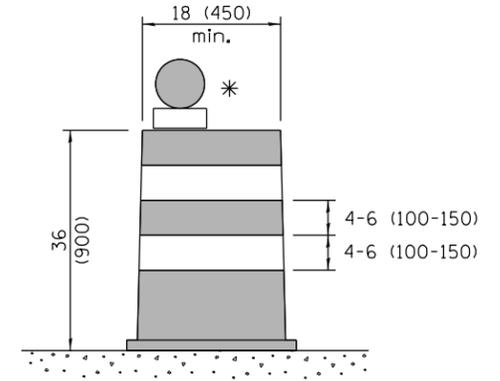
REFLECTORIZED CONE



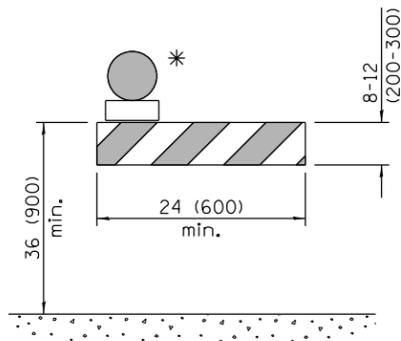
FLEXIBLE DELINEATOR



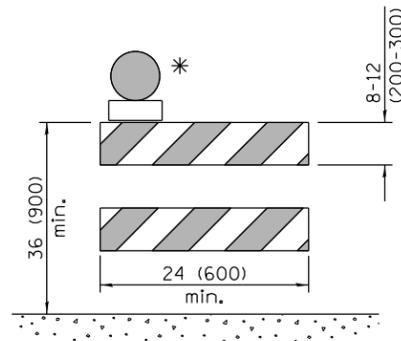
**VERTICAL PANEL
POST MOUNTED**



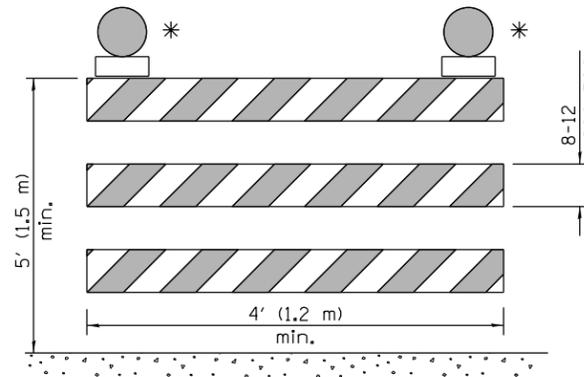
DRUM



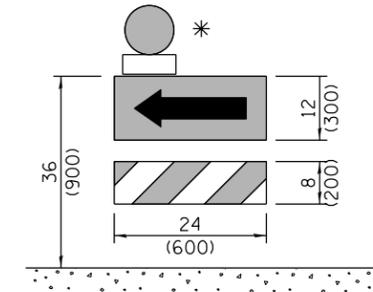
TYPE I BARRICADE



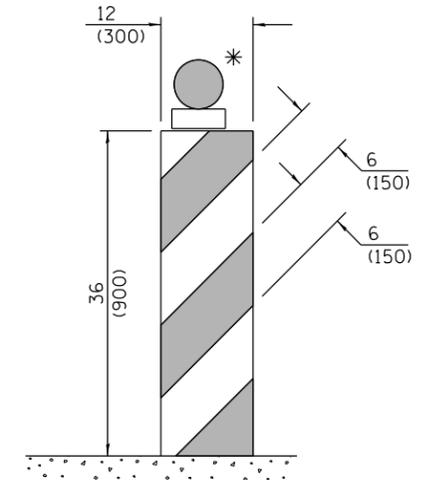
TYPE II BARRICADE



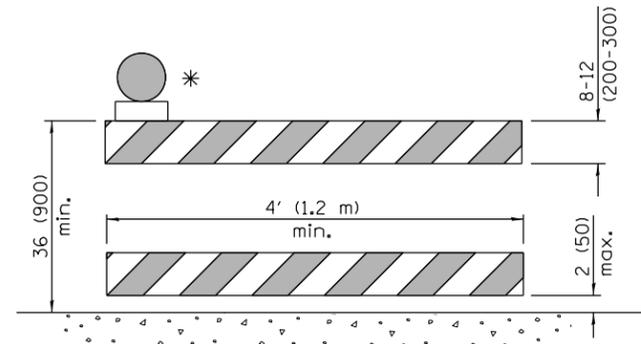
TYPE III BARRICADE



**DIRECTION INDICATOR
BARRICADE**



VERTICAL BARRICADE



**DETECTABLE PEDESTRIAN
CHANNELIZING BARRICADE**

* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

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

| DATE | REVISIONS |
|--------|---|
| 1-1-15 | Revised two sign numbers on sheet 2. Added note reg. PHOTO ENFORCED plaque. |
| 1-1-14 | Modified flagger sign height. Added highway construction speed zone signs. |

**TRAFFIC CONTROL
DEVICES**

(Sheet 1 of 3)

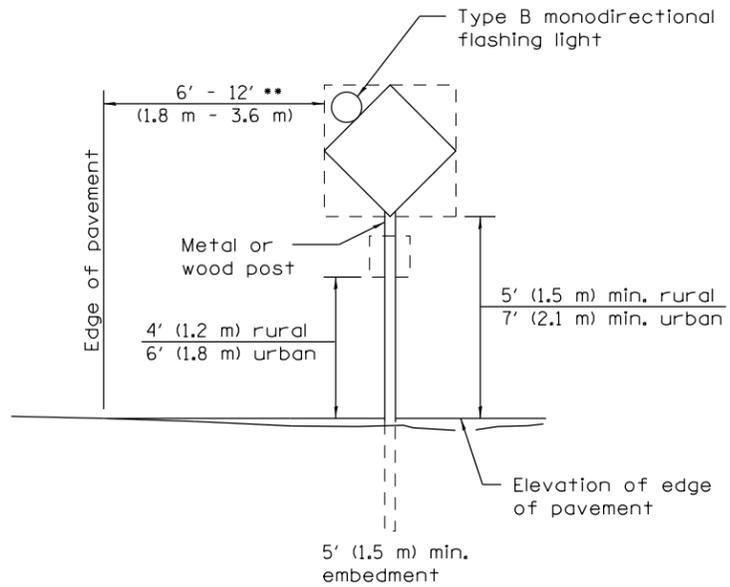
STANDARD 701901-04

Illinois Department of Transportation

APPROVED January 1, 2015
Amy Ellis
 ENGINEER OF OPERATIONS

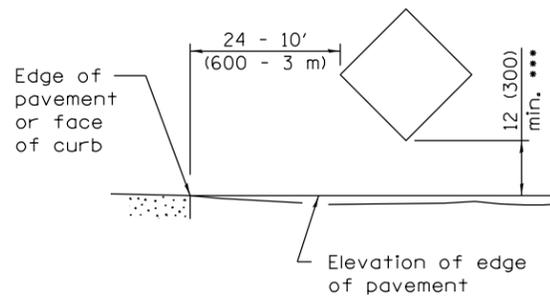
APPROVED January 1, 2015
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 46-1-1 03/05/11



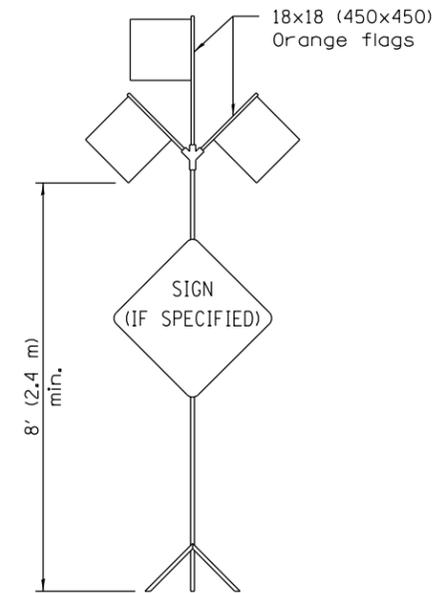
POST MOUNTED SIGNS

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



SIGNS ON TEMPORARY SUPPORTS

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



HIGH LEVEL WARNING DEVICE

| | |
|--------------------------------|------------------|
| ROAD CONSTRUCTION NEXT X MILES | END CONSTRUCTION |
| G20-I104(O)-6036 | G20-I105(O)-6024 |

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

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

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

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

WORK LIMIT SIGNING

| | |
|--------------------|--------------------|
| WORK ZONE | W21-I115(O)-3618 |
| SPEED LIMIT XX | R2-1-3648 |
| PHOTO ENFORCED | R10-I108p-3618 ••• |
| \$XXX FINE MINIMUM | R2-I106p-3618 |

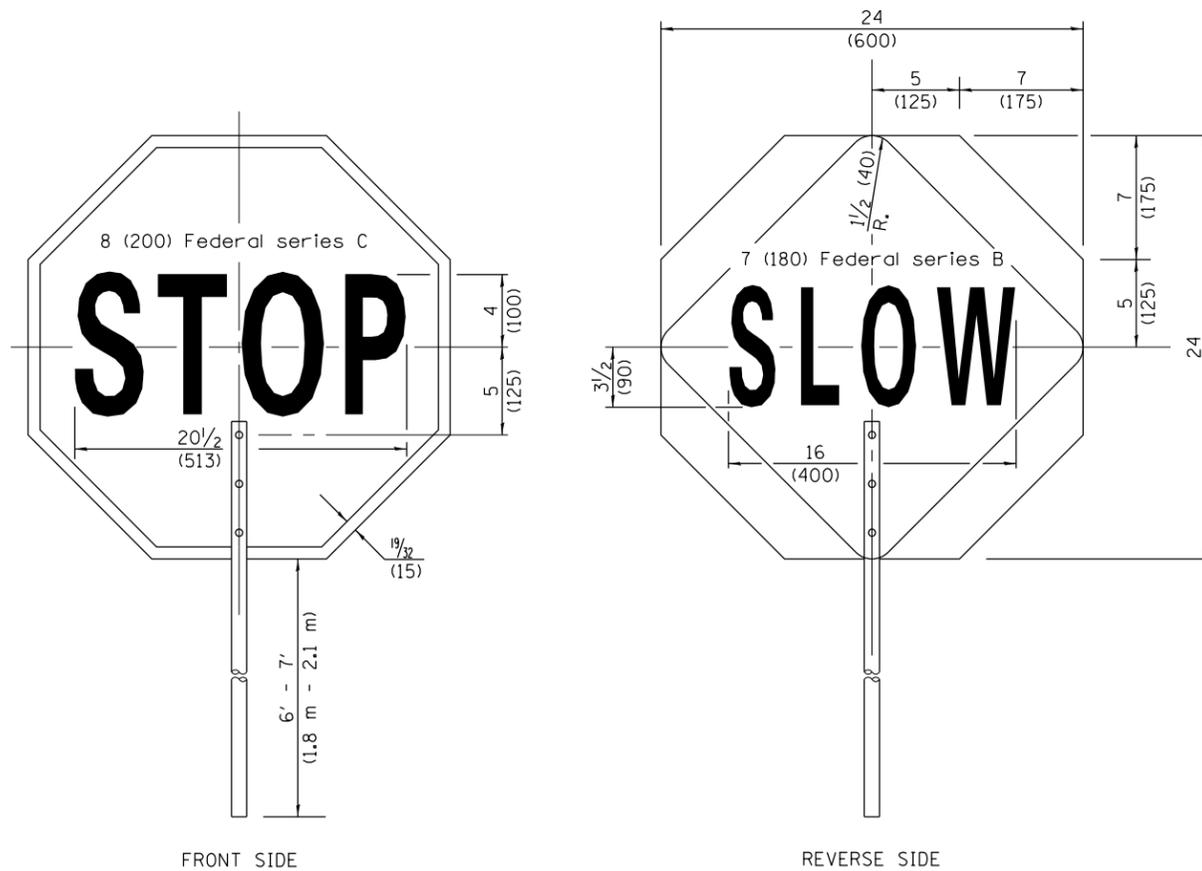
Sign assembly as shown on Standards or as allowed by District Operations.

| | |
|---------------------------|------------------|
| END WORK ZONE SPEED LIMIT | G20-I103(O)-6036 |
|---------------------------|------------------|

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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

••• R10-I108p shall only be used along roadways under the jurisdiction of the State.



FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

APPROVED January 1, 2015
Amy Ellis
 ENGINEER OF OPERATIONS

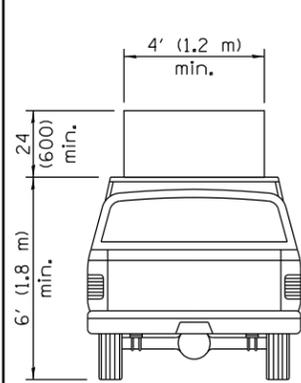
APPROVED January 1, 2015
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

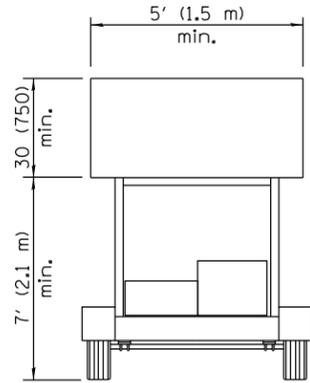
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

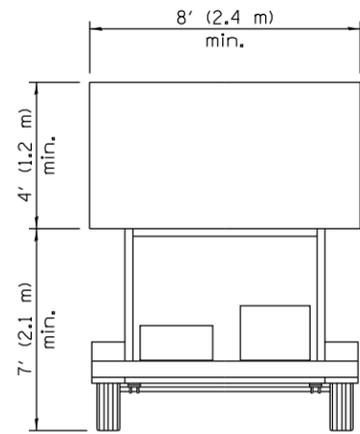
STANDARD 701901-04



**TYPE A
ROOF
MOUNTED**

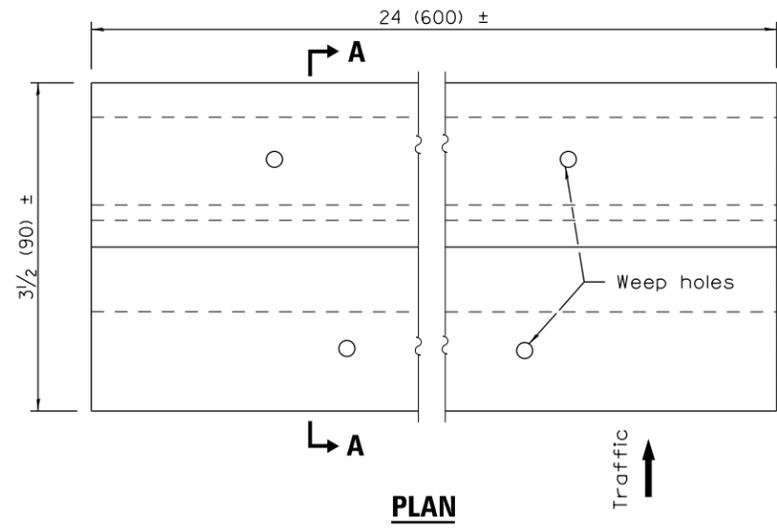


**TYPE B
ROOF OR TRAILER
MOUNTED**

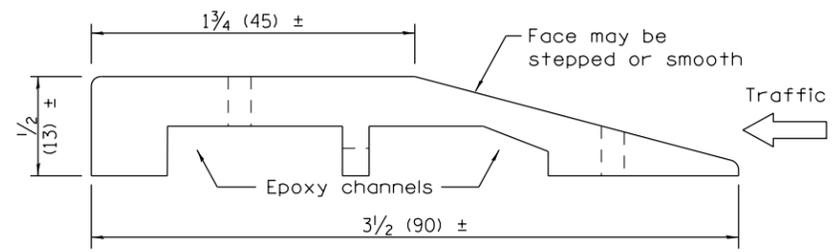


**TYPE C
TRAILER
MOUNTED**

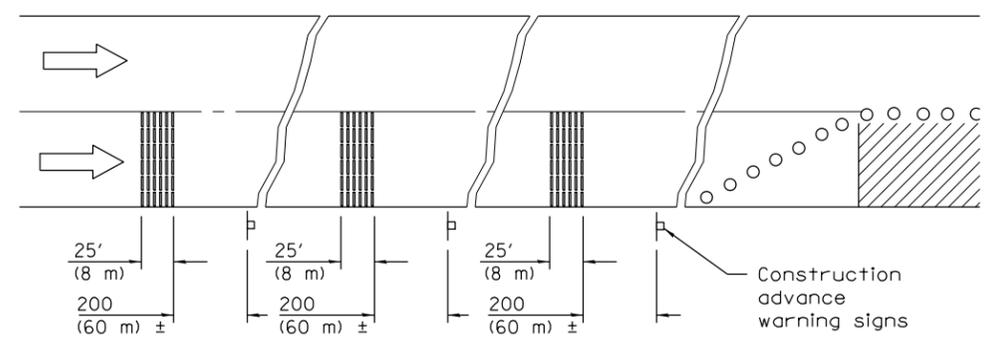
ARROW BOARDS



PLAN

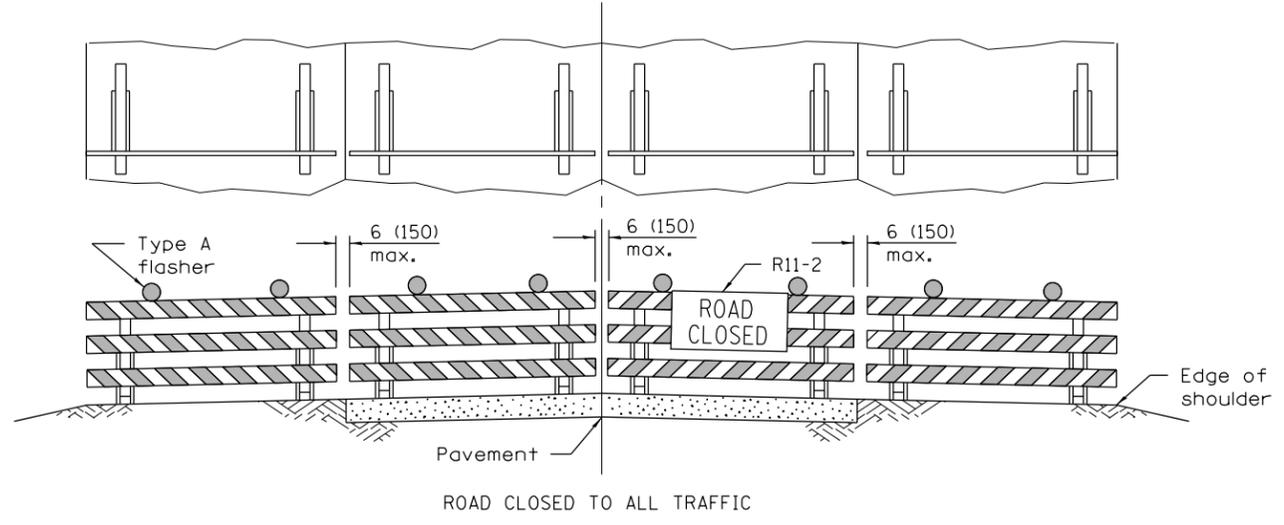
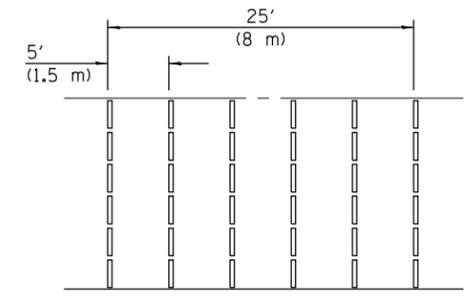


SECTION A-A



TYPICAL INSTALLATION

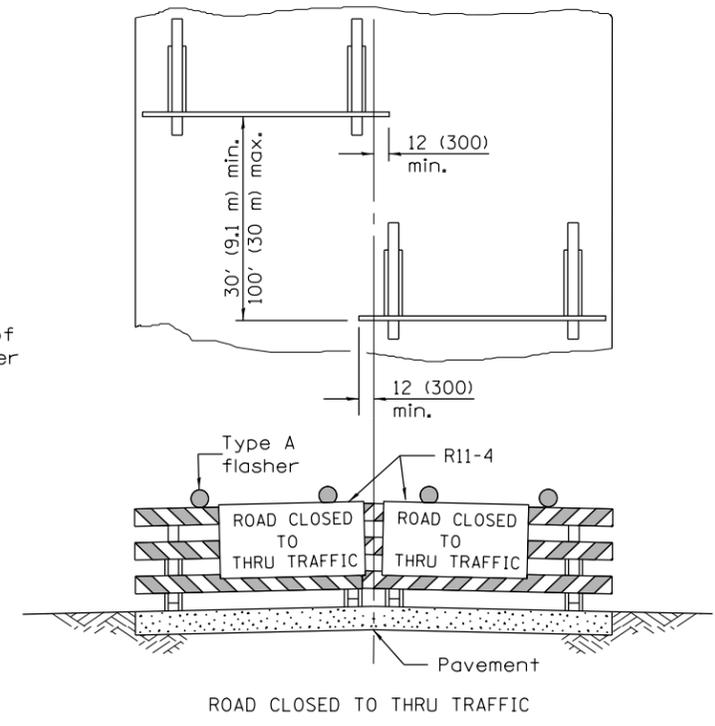
TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

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

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



ROAD CLOSED TO THRU TRAFFIC

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

Illinois Department of Transportation

APPROVED January 1, 2015
Amy Ellis
 ENGINEER OF OPERATIONS

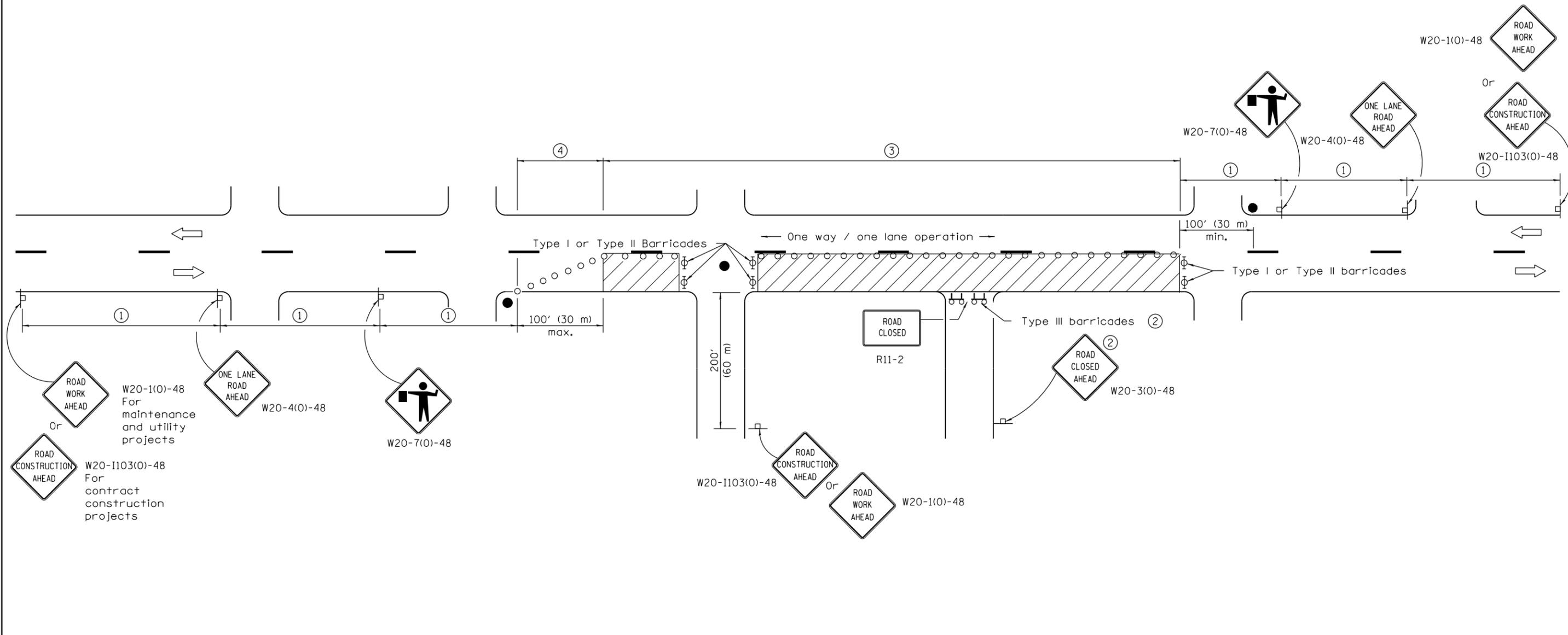
APPROVED January 1, 2015
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**TRAFFIC CONTROL
DEVICES**

(Sheet 3 of 3)

STANDARD 701901-04



| SIGN SPACING | |
|--------------|--------------|
| Posted Speed | Sign Spacing |
| 55 | 500' (150 m) |
| 50-45 | 350' (100 m) |
| <45 | 200' (60 m) |

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

- ① Refer to SIGN SPACING TABLE for distances.
- ② For approved sideroad closures.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

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

Illinois Department of Transportation

APPROVED January 1, 2011

 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011

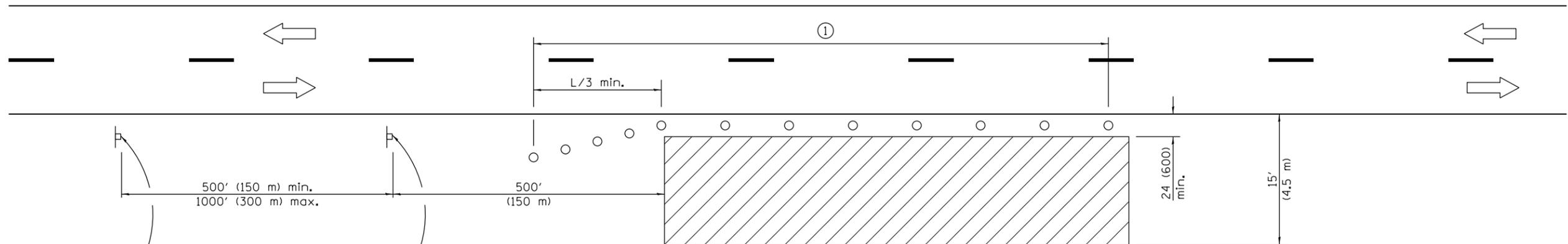
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

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

**URBAN LANE CLOSURE,
2L, 2W, UNDIVIDED**

STANDARD 701501-06



For contract construction projects



W20-I103(O)-48



W21-1(O)-48

For maintenance and utility projects



W20-1(O)-48

TYPICAL APPLICATIONS

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

SYMBOLS

-  Work area
-  Sign
-  Cone, drum or barricade

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

GENERAL NOTES

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

Calculate L as follows:

| SPEED LIMIT | FORMULAS | |
|------------------------------|-----------------------|------------------------|
| | English | (Metric) |
| 40 mph (70 km/h) or less: | $L = \frac{WS^2}{60}$ | $L = \frac{WS^2}{150}$ |
| 45 mph (80 km/h) or greater: | $L = (W)(S)$ | $L = 0.65(W)(S)$ |

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

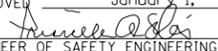
All dimensions are in inches (millimeters) unless otherwise shown.

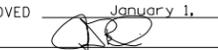
| DATE | REVISIONS |
|--------|--|
| 1-1-14 | Revised workers sign number to agree with current MUTCD. |
| 1-1-13 | Omitted text 'WORKERS' sign. |

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

STANDARD 701006-05

Illinois Department of Transportation

APPROVED January 1, 2014

 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014

 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DECIMAL OF AN INCH AND OF A FOOT

| A | | B | A | | B | A | | B | A | | B | A | | B | A | | B |
|------|----------|---------|-------|----------|---------|-------|----------|---------|-------|----------|---------|-------|----------|---------|-------|----------|----------|
| 1/64 | 0.0052 | 1/16 | 11/64 | 0.171875 | 2 1/16 | 11/32 | 0.3385 | 4 1/16 | 33/64 | 0.5052 | 6 1/16 | 43/64 | 0.671875 | 8 1/16 | 27/32 | 0.8385 | 10 1/16 |
| | 0.0104 | 1/8 | | 0.1771 | 2 1/8 | | 0.34375 | 4 1/8 | | 0.5104 | 6 1/8 | | 0.6771 | 8 1/8 | | 0.84375 | 10 1/8 |
| | 0.015625 | 3/16 | | 0.1823 | 2 3/16 | | 0.3490 | 4 3/16 | | 0.515625 | 6 3/16 | | 0.6823 | 8 3/16 | | 0.8490 | 10 3/16 |
| | 0.0208 | 1/4 | | 0.1875 | 2 1/4 | | 0.3542 | 4 1/4 | | 0.5208 | 6 1/4 | | 0.6875 | 8 1/4 | | 0.8542 | 10 1/4 |
| 1/32 | 0.0260 | 5/16 | 13/64 | 0.1927 | 2 5/16 | 23/64 | 0.359375 | 4 5/16 | 17/32 | 0.5260 | 6 5/16 | 45/64 | 0.6927 | 8 5/16 | 55/64 | 0.859375 | 10 5/16 |
| | 0.03125 | 3/8 | | 0.1979 | 2 3/8 | | 0.3646 | 4 3/8 | | 0.53125 | 6 3/8 | | 0.6979 | 8 3/8 | | 0.8646 | 10 3/8 |
| | 0.0365 | 7/16 | | 0.203125 | 2 7/16 | | 0.3698 | 4 7/16 | | 0.5365 | 6 7/16 | | 0.703125 | 8 7/16 | | 0.8698 | 10 7/16 |
| | 0.0417 | 1/2 | | 0.2083 | 2 1/2 | | 0.3750 | 4 1/2 | | 0.5417 | 6 1/2 | | 0.7083 | 8 1/2 | | 0.8750 | 10 1/2 |
| 3/64 | 0.046875 | 9/16 | 7/32 | 0.2135 | 2 9/16 | 25/64 | 0.3802 | 4 9/16 | 35/64 | 0.546875 | 6 9/16 | 23/32 | 0.7135 | 8 9/16 | 57/64 | 0.8802 | 10 9/16 |
| | 0.0521 | 5/8 | | 0.21875 | 2 5/8 | | 0.3854 | 4 5/8 | | 0.5521 | 6 5/8 | | 0.71875 | 8 5/8 | | 0.8854 | 10 5/8 |
| | 0.0573 | 11/16 | | 0.2240 | 2 11/16 | | 0.390625 | 4 11/16 | | 0.5573 | 6 11/16 | | 0.7240 | 8 11/16 | | 0.890625 | 10 11/16 |
| | 0.0625 | 3/4 | | 0.2292 | 2 3/4 | | 0.3958 | 4 3/4 | | 0.5625 | 6 3/4 | | 0.7292 | 8 3/4 | | 0.8958 | 10 3/4 |
| 5/64 | 0.0677 | 13/16 | 5/64 | 0.234375 | 2 13/16 | 13/32 | 0.4010 | 4 13/16 | 37/64 | 0.5677 | 6 13/16 | 47/64 | 0.734375 | 8 13/16 | 29/32 | 0.9010 | 10 13/16 |
| | 0.0729 | 7/8 | | 0.2396 | 2 7/8 | | 0.40625 | 4 7/8 | | 0.5729 | 6 7/8 | | 0.7396 | 8 7/8 | | 0.90625 | 10 7/8 |
| | 0.078125 | 15/16 | | 0.2448 | 2 15/16 | | 0.4115 | 4 15/16 | | 0.578125 | 6 15/16 | | 0.7448 | 8 15/16 | | 0.9115 | 10 15/16 |
| | 0.0833 | 1 | | 0.2500 | 3 | | 0.4167 | 5 | | 0.5833 | 7 | | 0.7500 | 9 | | 0.9167 | 11 |
| 3/32 | 0.0885 | 1 1/16 | 11/64 | 0.2552 | 3 1/16 | 27/64 | 0.421875 | 5 1/16 | 19/32 | 0.5885 | 7 1/16 | 49/64 | 0.7552 | 9 1/16 | 59/64 | 0.921875 | 11 1/16 |
| | 0.09375 | 1 1/8 | | 0.2604 | 3 1/8 | | 0.4271 | 5 1/8 | | 0.59375 | 7 1/8 | | 0.7604 | 9 1/8 | | 0.9271 | 11 1/8 |
| | 0.0990 | 1 3/16 | | 0.265625 | 3 3/16 | | 0.4323 | 5 3/16 | | 0.5990 | 7 3/16 | | 0.765625 | 9 3/16 | | 0.9323 | 11 3/16 |
| | 0.1042 | 1 1/4 | | 0.2708 | 3 1/4 | | 0.4375 | 5 1/4 | | 0.6042 | 7 1/4 | | 0.7708 | 9 1/4 | | 0.9375 | 11 1/4 |
| 7/64 | 0.109375 | 1 5/16 | 9/32 | 0.2760 | 3 5/16 | 29/64 | 0.4427 | 5 5/16 | 39/64 | 0.609375 | 7 5/16 | 25/32 | 0.7760 | 9 5/16 | 61/64 | 0.9427 | 11 5/16 |
| | 0.1146 | 1 3/8 | | 0.28125 | 3 3/8 | | 0.4479 | 5 3/8 | | 0.6146 | 7 3/8 | | 0.78125 | 9 3/8 | | 0.9479 | 11 3/8 |
| | 0.1198 | 1 7/16 | | 0.2865 | 3 7/16 | | 0.453125 | 5 7/16 | | 0.6198 | 7 7/16 | | 0.7865 | 9 7/16 | | 0.953125 | 11 7/16 |
| | 0.1250 | 1 1/2 | | 0.2917 | 3 1/2 | | 0.4583 | 5 1/2 | | 0.6250 | 7 1/2 | | 0.7917 | 9 1/2 | | 0.9583 | 11 1/2 |
| 9/64 | 0.1302 | 1 9/16 | 5/16 | 0.296875 | 3 9/16 | 15/32 | 0.4635 | 5 9/16 | 41/64 | 0.6302 | 7 9/16 | 13/16 | 0.796875 | 9 9/16 | 31/32 | 0.9635 | 11 9/16 |
| | 0.1354 | 1 5/8 | | 0.3021 | 3 5/8 | | 0.46875 | 5 5/8 | | 0.6354 | 7 5/8 | | 0.8021 | 9 5/8 | | 0.96875 | 11 5/8 |
| | 0.140625 | 1 11/16 | | 0.3073 | 3 11/16 | | 0.4740 | 5 11/16 | | 0.640625 | 7 11/16 | | 0.8073 | 9 11/16 | | 0.9740 | 11 11/16 |
| | 0.1458 | 1 3/4 | | 0.3125 | 3 3/4 | | 0.4792 | 5 3/4 | | 0.6458 | 7 3/4 | | 0.8125 | 9 3/4 | | 0.9792 | 11 3/4 |
| 5/32 | 0.1510 | 1 13/16 | 21/64 | 0.3177 | 3 13/16 | 31/64 | 0.484375 | 5 13/16 | 23/32 | 0.6510 | 7 13/16 | 53/64 | 0.8177 | 9 13/16 | 63/64 | 0.984375 | 11 13/16 |
| | 0.15625 | 1 7/8 | | 0.3229 | 3 7/8 | | 0.4896 | 5 7/8 | | 0.65625 | 7 7/8 | | 0.8229 | 9 7/8 | | 0.9896 | 11 7/8 |
| | 0.1615 | 1 15/16 | | 0.328125 | 3 15/16 | | 0.4948 | 5 15/16 | | 0.6615 | 7 15/16 | | 0.828125 | 9 15/16 | | 0.9948 | 11 15/16 |
| | 0.1667 | 2 | | 0.3333 | 4 | | 0.5000 | 6 | | 0.6667 | 8 | | 0.8333 | 10 | | 1.0000 | 12 |

A = Fractions of Inch or Foot
 B = Inch Equivalents to Foot Fractions

| DATE | REVISIONS |
|--------|---------------|
| 1-1-97 | New Standard. |
| | |
| | |
| | |
| | |

**DECIMAL OF AN INCH
AND OF A FOOT**

STANDARD 001006

Illinois Department of Transportation

PASSED January 1, 1997

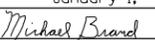
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 1997

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

| | | | | | | | | | |
|-----------------|-------------------------------|--------|---------------------------------------|--------|---|-----------------|---|-----------|--------------------------------|
| ABV | ABOVE | CU YD | CUBIC YARD | HD | HEAD | PED | PEDESTAL | STD | STANDARD |
| A/C | ACCESS CONTROL | CULV | CULVERT | HDW | HEADWALL | PNT | POINT | SBI | STATE BOND ISSUE |
| AC | ACRE | C&G | CURB & GUTTER | HDUTY | HEAVY DUTY | PC | POINT OF CURVATURE | SR | STATE ROUTE |
| ADJ | ADJUST | D | DEGREE OF CURVE | ha | HECTARE | PI | POINT OF INTERSECTION OF HORIZONTAL CURVE | STA | STATION |
| AS | AERIAL SURVEYS | DC | DEPRESSED CURVE | HMA | HOT MIX ASPHALT | | | SPBGR | STEEL PLATE BEAM GUARDRAIL |
| AGG | AGGREGATE | DET | DETECTOR | HWY | HIGHWAY | PRC | POINT OF REVERSE CURVE | SS | STORM SEWER |
| AH | AHEAD | DIA | DIAMETER | HORIZ | HORIZONTAL | PT | POINT OF TANGENCY | STY | STORY |
| APT | APARTMENT | DIST | DISTRICT | HSE | HOUSE | POT | POINT ON TANGENT | ST | STREET |
| ASPH | ASPHALT | DOM | DOMESTIC | IL | ILLINOIS | POLYETH | POLYETHYLENE | STR | STRUCTURE |
| AUX | AUXILIARY | DBL | DOUBLE | IMP | IMPROVEMENT | PCC | PORTLAND CEMENT CONCRETE | e | SUPERELEVATION RATE |
| AGS | AUXILIARY GAS VALVE (SERVICE) | DSEL | DOWNSTREAM ELEVATION | IN DIA | INCH DIAMETER | PP | POWER POLE OR PRINCIPAL POINT | S.E. RUN. | SUPERELEVATION RUNOFF LENGTH |
| AVE | AVENUE | DSFL | DOWNSTREAM FLOWLINE | INL | INLET | PRM | PRIME | SURF | SURFACE |
| AX | AXIS OF ROTATION | DR | DRAINAGE OR DRIVE | INST | INSTALLATION | PE | PRIVATE ENTRANCE | SMK | SURVEY MARKER |
| BK | BACK | DI | DRAINAGE INLET OR DROP INLET | IDS | INTERSECTION DESIGN STUDY | PROF | PROFILE | T | TANGENT DISTANCE |
| B-B | BACK TO BACK | DRV | DRIVEWAY | INV | INVERT | PGL | PROFILE GRADELINE | T.R. | TANGENT RUNOUT DISTANCE |
| BKPL | BACKPLATE | DCT | DUCT | IP | IRON PIPE | PROJ | PROJECT | TEL | TELEPHONE |
| B | BARN | EA | EACH | IR | IRON ROD | P.C. | PROPERTY CORNER | TB | TELEPHONE BOX |
| BARR | BARRICADE | EB | EASTBOUND | JT | JOINT | PL | PROPERTY LINE | TP | TELEPHONE POLE |
| BGN | BEGIN | EOP | EDGE OF PAVEMENT | kg | KILOGRAM | PR | PROPOSED | TEMP | TEMPORARY |
| BM | BENCHMARK | E-CL | EDGE TO CENTERLINE | km | KILOMETER | R | RADIUS | TBM | TEMPORARY BENCH MARK |
| BIND | BINDER | E-E | EDGE TO EDGE | LS | LANDSCAPING | RR | RAILROAD | TD | TILE DRAIN |
| BIT | BITUMINOUS | EL | ELEVATION | LN | LANE | RRS | RAILROAD SPIKE | TBE | TO BE EXTENDED |
| BTM | BOTTOM | ENTR | ENTRANCE | LT | LEFT | RPS | REFERENCE POINT STAKE | TBR | TO BE REMOVED |
| BLVD | BOULEVARD | EXC | EXCAVATION | LP | LIGHT POLE | REF | REFLECTIVE | TBS | TO BE SAVED |
| BRK | BRICK | EX | EXISTING | LGT | LIGHTING | RCCP | REINFORCED CONCRETE CULVERT PIPE | TWP | TOWNSHIP |
| BBOX | BUFFALO BOX | EXPWAY | EXPRESSWAY | LF | LINEAL FEET OR LINEAR FEET | REINF | REINFORCEMENT | TR | TOWNSHIP ROAD |
| BLDG | BUILDING | E | EXTERNAL DISTANCE OF HORIZONTAL CURVE | L | LITER OR CURVE LENGTH | REM | REMOVAL | TS | TRAFFIC SIGNAL |
| CIP | CAST IRON PIPE | E | OFFSET DISTANCE TO VERTICAL CURVE | LC | LONG CHORD | RC | REMOVE CROWN | TSCB | TRAFFIC SIGNAL CONTROL BOX |
| CB | CATCH BASIN | F-F | FACE TO FACE | LNG | LONGITUDINAL | REP | REPLACEMENT | TSC | TRAFFIC SYSTEMS CENTER |
| C-C | CENTER TO CENTER | FA | FEDERAL AID | L SUM | LUMP SUM | REST | RESTAURANT | TRVS | TRANSVERSE |
| CL | CENTERLINE OR CLEARANCE | FAI | FEDERAL AID INTERSTATE | MACH | MACHINE | RESURF | RESURFACING | TRVL | TRAVEL |
| CL-E | CENTERLINE TO EDGE | FAP | FEDERAL AID PRIMARY | MB | MAIL BOX | RET | RETAINING | TRN | TURN |
| CL-F | CENTERLINE TO FACE | FAS | FEDERAL AID SECONDARY | MH | MANHOLE | RT | RIGHT | TY | TYPE |
| CTS | CENTERS | FAUS | FEDERAL AID URBAN SECONDARY | MATL | MATERIAL | ROW | RIGHT-OF-WAY | T-A | TYPE A |
| CERT | CERTIFIED | FP | FENCE POST | MED | MATERIAL | RD | ROAD | TYP | TYPICAL |
| CHSLD | CHISELED | FE | FIELD ENTRANCE | m | METER | RDWY | ROADWAY | UNDGND | UNDERGROUND |
| CS | CITY STREET | FH | FIRE HYDRANT | METH | METHOD | RTE | ROUTE | USGS | U.S. GEOLOGICAL SURVEY |
| CP | CLAY PIPE | FL | FLOW LINE | M | MID-ORDINATE | SAN | SANITARY | USEL | UPSTREAM ELEVATION |
| CLSD | CLOSED | FB | FOOT BRIDGE | mm | MILLIMETER | SANS | SANITARY SEWER | USFL | UPSTREAM FLOWLINE |
| CLID | CLOSED LID | FDN | FOUNDATION | mm DIA | MILLIMETER DIAMETER | SEC | SECTION | UTIL | UTILITY |
| CT | COAT OR COURT | FR | FRAME | MIX | MIXTURE | SEED | SEEDING | VBOX | VALVE BOX |
| COMB | COMBINATION | F&G | FRAME & GRATE | MBH | MOBILE HOME | SHAP | SHAPING | VV | VALVE VAULT |
| C | COMMERCIAL BUILDING | FRWAY | FREEWAY | MOD | MODIFIED | S | SHED | VL | VAULT |
| CE | COMMERCIAL ENTRANCE | GAL | GALLON | MFT | MOTOR FUEL TAX | SH | SHEET | VEH | VEHICLE |
| CONC | CONCRETE | GALV | GALVANIZED | N & BC | NAIL & BOTTLE CAP | SHLD | SHOULDER | VP | VENT PIPE |
| CONST | CONSTRUCT | G | GARAGE | N & C | NAIL & CAP | SW | SIDEWALK OR SOUTHWEST | VERT | VERTICAL |
| CONTD | CONTINUED | GM | GAS METER | N & W | NAIL & WASHER | SIG | SIGNAL | VC | VERTICAL CURVE |
| CONT | CONTINUOUS | GV | GAS VALVE | NOAA | NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION | SOD | SODDING | VPC | VERTICAL POINT OF CURVATURE |
| COR | CORNER | GRAN | GRANULAR | NC | NORMAL CROWN | SM | SOLID MEDIUM | VPI | VERTICAL POINT OF INTERSECTION |
| CORR | CORRUGATED | GR | GRATE | NB | NORTHBOUND | SB | SOUTHBOUND | VPT | VERTICAL POINT OF TANGENCY |
| CMP | CORRUGATED METAL PIPE | GRVL | GRAVEL | NE | NORTHEAST | SE | SOUTHEAST | WM | WATER METER |
| CNTY | COUNTY | GND | GROUND | NW | NORTHWEST | SPL | SPECIAL | WV | WATER VALVE |
| CH | COUNTY HIGHWAY | GUT | GUTTER | OLID | OPEN LID | SD | SPECIAL DITCH | WMAIN | WATER MAIN |
| CSE | COURSE | GP | GUY POLE | PAT | PATTERN | SQ FT | SQUARE FEET | WB | WESTBOUND |
| XSECT | CROSS SECTION | GW | GUY WIRE | PVD | PAVED | m ² | SQUARE METER | WILDFL | WILDFLOWERS |
| m ³ | CUBIC METER | HH | HANDHOLE | PVMT | PAVEMENT | mm ² | SQUARE MILLIMETER | W | WITH |
| mm ³ | CUBIC MILLIMETER | HATCH | HATCHING | PM | PAVEMENT MARKING | SQ YD | SQUARE YARD | WO | WITHOUT |

| | |
|---|-----------------|
|  Illinois Department of Transportation | |
| PASSED | January 1, 2011 |
|  ENGINEER OF POLICY AND PROCEDURES | |
| APPROVED | January 1, 2011 |
|  ENGINEER OF DESIGN AND ENVIRONMENT | |

ISSUED 1-1-97

| DATE | REVISIONS |
|--------|------------------------------------|
| 1-1-11 | Updated abbreviations and symbols. |
| | |
| 1-1-08 | Updated abbreviations and symbols. |
| | |

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 1 of 8)

STANDARD 000001-06

| <u>ADJUSTMENT ITEMS</u> | | | <u>ALIGNMENT ITEMS</u> | | | <u>CONTOUR ITEMS</u> | | |
|---------------------------------------|-----------|-----------|---|--|--|---------------------------|-----------|-----------|
| | <u>EX</u> | <u>PR</u> | | <u>EX</u> | <u>PR</u> | | <u>EX</u> | <u>PR</u> |
| Structure To Be Adjusted | | ADJ | Baseline | | | Approx. Index Line | | |
| Structure To Be Cleaned | | C | Centerline | | | Approx. Intermediate Line | | |
| Main Structure To Be Filled | | FM | Centerline Break Circle | | | Index Contour | | |
| Structure To Be Filled | | F | Baseline Symbol | | | Intermediate Contour | | |
| Structure To Be Filled Special | | FSP | Centerline Symbol | | | <u>DRAINAGE ITEMS</u> | | |
| Structure To Be Removed | | R | PI Indicator | | | Channel or Stream Line | | |
| Structure To Be Reconstructed | | REC | Point Indicator | | | Culvert Line | | |
| Structure To Be Reconstructed Special | | RSP | Horizontal Curve Data (Half Size) | CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA= | CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA= | Grading & Shaping Ditches | | |
| Frame and Grate To Be Adjusted | | A | <u>BOUNDARIES ITEMS</u> | | | | | |
| Frame and Lid To Be Adjusted | | A | Dashed Property Line | | | Drainage Boundary Line | | |
| Domestic Service Box To Be Adjusted | | A | Solid Property/Lot Line | | | Paved Ditch | | |
| Valve Vault To Be Adjusted | | A | Section/Grant Line | | | Aggregate Ditch | | |
| Special Adjustment | | SP | Quarter Section Line | | | Pipe Underdrain | | |
| Item To Be Abandoned | | AB | Quarter/Quarter Section Line | | | Storm Sewer | | |
| Item To Be Moved | | M | County/Township Line | | | Flowline | | |
| Item To Be Relocated | | REL | State Line | | | Ditch Check | | |
| Pavement Removal and Replacement | | | Iron Pipe Found | | | Headwall | | |
| | | | Iron Pipe Set | | | Inlet | | |
| | | | Survey Marker | | | Manhole | | |
| | | | Property Line Symbol | | | Summit | | |
| | | | Same Ownership Symbol (Half Size) | | | Roadway Ditch Flow | | |
| | | | Northwest Quarter Corner (Half Size) | | | Swale | | |
| | | | Section Corner (Half Size) | | | Catch Basin | | |
| | | | Southeast Quarter Corner (Half Size) | | | Culvert End Section | | |
| | | | | | | Water Surface Indicator | | |
| | | | | | | Riprap | | |

Illinois Department of Transportation
 PASSED January 1, 2011
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2011
Scott Schick
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**STANDARD SYMBOLS,
 ABBREVIATIONS
 AND PATTERNS**
 (Sheet 2 of 8)
STANDARD 000001-06

EROSION & SEDIMENT CONTROL ITEMS

EX

PR

Cleaning & Grading Limits



Dike



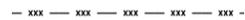
Erosion Control Fence



Perimeter Erosion Barrier



Temporary Fence



Ditch Check Temporary



Ditch Check Permanent



Inlet & Pipe Protection



Sediment Basin



Erosion Control Blanket



Fabric Formed Concrete Revetment Mat



Turf Reinforcement Mat



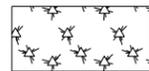
Mulch Temporary



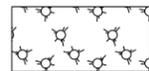
Mulch Method 1



Mulch Method 2 Stabilized



Mulch Method 3 Hydraulic

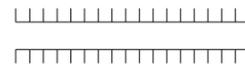


NON-HIGHWAY IMPROVEMENT ITEMS

EX

PR

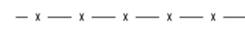
Noise Attn./Levee



Field Line



Fence



Base of Levee



Mailbox



Multiple Mailboxes



Pay Telephone



Advertising Sign



LANDSCAPING ITEMS

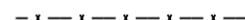
EX

PR

Contour Mounding Line



Fence



Fence Post



Shrubs



Mowline



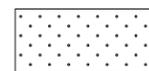
Perennial Plants



Seeding Class 2



Seeding Class 2A



Seeding Class 4



Seeding Class 4 & 5 Combined

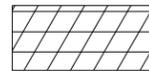


EXISTING LANDSCAPING ITEMS (contd.)

EX

PR

Seeding Class 5



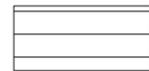
Seeding Class 7



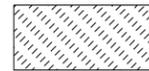
Seedlings Type 1



Seedlings Type 2



Sodding



Mowstake w/Sign



Tree Trunk Protection



Evergreen Tree



Shade Tree

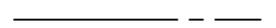


LIGHTING

EX

PR

Duct



Conduit



Electrical Aerial Cable



Electrical Buried Cable



Controller



Underpass Luminaire



Power Pole



STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 3 of 8)

STANDARD 000001-06

Illinois Department of Transportation

PASSED January 1, 2011
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2011
Scott Schick
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

LIGHTING
(contd.)

EX

PR

Pull Point



Handhole



Heavy Duty Handhole



Junction Box



Light Unit Comb.



Electrical Ground



Traffic Flow Arrow



High Mast Pole
(Half Size)



Light Unit-1



PAVEMENT (MISC.)

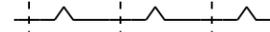
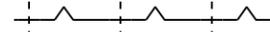
EX

PR

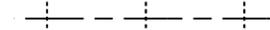
Keyed Long. Joint



Keyed Long. Joint w/Tie Bars



Sawed Long. Joint w/Tie Bars



Bituminous Shoulder



Bituminous Taper



Stabilized Driveway



Widening



PAVEMENT MARKINGS

EX

PR

Bike Lane Symbol



Bike Lane Text



Handicap Symbol



RR Crossing



Raised Marker Amber 1 Way



Raised Marker Amber 2 Way



Raised Marker Crystal 1 Way



Two Way Turn Left



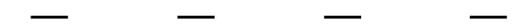
Shoulder Diag. Pattern



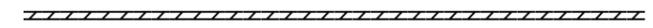
Skip-Dash White



Skip-Dash Yellow



Stop Line



Solid Line



Double Centerline



Dotted Lines



CL 2Ln 2Way
RRPM 12.2 m (40') o.c.



CL 2Ln 2Way
RRPM 80' (24.4 m) o.c.



CL Multilane Div.
RRPM 40' (12.2 m) o.c.



CL Multilane Div.
RRPM 80' (24.4 m) o.c.



CL Multilane Div. Dbl.
RRPM 80' (24.4 m) o.c.



CL Multilane Undiv.



Two Way Turn Left Line



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**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**

(Sheet 4 of 8)

STANDARD 000001-06

PAVEMENT MARKINGS

(contd.)

Urban Combination Left

EX



PR



Urban Combination Right



Urban Left Turn Arrow



Urban Right Turn Arrow



Urban Left Turn Only

ONLY ONLY ONLY



ONLY ONLY ONLY



Urban Right Turn Only



Urban Thru Only



Urban U-Turn



Urban Combined U-Turn



Rural Combination Left



Rural Combination Right



Rural Left Turn Arrow



Rural Right Turn Arrow



Rural Left Turn Only

ONLY ONLY ONLY



ONLY ONLY ONLY



Rural Right Turn Only

ONLY ONLY ONLY



ONLY ONLY ONLY



Rural Thru Only

ONLY ONLY ONLY



ONLY ONLY ONLY



RAILROAD ITEMS

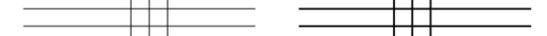
EX

PR

Abandoned Railroad



Railroad



Railroad Point



Control Box



Crossing Gate



Flashing Signal



Railroad Cant. Mast Arm



Crossbuck



REMOVAL ITEMS

EX

PR

Removal Tic



Bituminous Removal



Hatch Pattern



Tree Removal Single



RIGHT OF WAY ITEMS

EX

PR

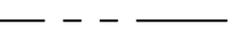
Future ROW Corner Monument



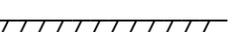
ROW Marker



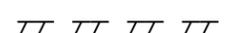
ROW Line



Easement



Temporary Easement



**STANDARD SYMBOLS,
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RIGHT OF WAY ITEMS
(contd.)

| | EX | PR |
|--------------------------------------|----------------|----------------|
| Access Control Line | — AC ————— | — AC ————— |
| Access Control Line & ROW | — AC ————— | — AC ————— |
| Access Control Line & ROW with Fence | — x ————— AR — | — x — AC — x — |
| Excess ROW Line | | — XS ————— |

ROADWAY PLAN
ITEMS

| | EX | PR |
|--|-----------|------------|
| Cable Barrier | | |
| Concrete Barrier | | |
| Edge of Pavement | ----- | ----- |
| Bit Shoulders, Medians and C&G Line | ----- | ----- |
| Aggregate Shoulder | ----- | ----- |
| Sidewalks, Driveways | ----- | ----- |
| Guardrail | | |
| Guardrail Post | □ | |
| Traffic Sign | | |
| Corrugated Median | | |
| Impact Attenuator | | |
| North Arrow with District Office (Half Size) | | |
| Match Line | | STA. 45+00 |
| Slope Limit Line | ----- | |
| Typical Cross-Section Line | ----- | ----- |

ROADWAY PROFILES

| | EX | PR |
|--------------------------------|-------------------------------|-------------------------------|
| P.I. Indicator | △ | △ |
| Point Indicator | ○ | ○ |
| Earthworks Balance Point | | |
| Begin Point | | |
| Vert. Curve Data | VPI = ELEV = L = E = | VPI = ELEV = L = E = |
| Ditch Profile Left Side | ----- | ----- |
| Ditch Profile Right Side | ----- | ----- |
| Roadway Profile Line | ----- | ----- |
| Storm Sewer Profile Left Side | ----- | ----- |
| Storm Sewer Profile Right Side | ----- | ----- |

SIGNING ITEMS

| | EX | PR |
|--------------------------|-----------|-----------|
| Cone, Drum or Barricade | | ○ |
| Barricade Type II | | |
| Barricade Type III | | |
| Barricade With Edge Line | | |
| Flashing Light Sign | | ○ |
| Panels I | | |
| Panels II | | |
| Direction of Traffic | | |
| Sign Flag (Half Size) | | |

SIGNING ITEMS
(contd.)

| | EX | PR |
|---|-----------|-----------|
| Reverse Left W1-4L (Half Size) | | |
| Reverse Right W1-4R (Half Size) | | |
| Two Way Traffic Sign W6-3 (Half Size) | | |
| Detour Ahead W20-2(0) (Half Size) | | |
| Left Lane Closed Ahead W20-5L(0) (Half Size) | | |
| Right Lane Closed Ahead W20-5R(0) (Half Size) | | |
| Road Closed Ahead W20-3(0) (Half Size) | | |
| Road Construction Ahead W20-1(0) (Half Size) | | |
| Single Lane Ahead (Half Size) | | |
| Transition Left W4-2L (Half Size) | | |
| Transition Right W4-2R (Half Size) | | |

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SIGNING ITEMS
(contd.)

EX

PR

One Way Arrow Lrg. W1-6-(0)
(Half Size)



Two Way Arrow Large W1-7-(0)
(Half Size)



Detour M4-10L-(0)
(Half Size)



Detour M4-10R-(0)
(Half Size)



One Way Left R6-1L
(Half Size)



One Way Right R6-1R
(Half Size)



Left Turn Lane R3-1100L
(Half Size)



Keep Left R4-7AL
(Half Size)



Keep Left R4-7BL
(Half Size)



Keep Right R4-7AR
(Half Size)



Keep Right R4-7BR
(Half Size)



Stop Here On Red R10-6-AL
(Half Size)



Stop Here On Red R10-6-AR
(Half Size)



No Left Turn R3-2
(Half Size)



No Right Turn R3-1
(Half Size)



Road Closed R11-2
(Half Size)



Road Closed Thru Traffic R11-2
(Half Size)



STRUCTURES ITEMS

EX

PR

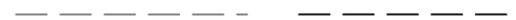
Box Culvert Barrel



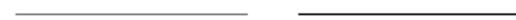
Box Culvert Headwall



Bridge Pier



Bridge



Retaining Wall



Temporary Sheet Piling



TRAFFIC SHEET ITEMS

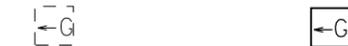
EX

PR

Cable Number



Left Turn Green



Left Turn Yellow



Signal Backplate



Signal Section 8" (200 mm)



Signal Section 12" (300 mm)



Walk/Don't Walk Letters



Walk/Don't Walk Symbols



TRAFFIC SIGNAL ITEMS

EX

PR

Galv. Steel Conduit



Underground Cable



Detector Loop Line



Detector Loop Large



Detector Loop Small



Detector Loop Quadrapole



**STANDARD SYMBOLS,
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**TRAFFIC SIGNAL
ITEMS (contd.)**

EX PR

| | | |
|--------------------------|--|--|
| Detector Raceway | | |
| Aluminum Mast Arm | | |
| Steel Mast Arm | | |
| Veh. Detector Magnetic | | |
| Conduit Splice | | |
| Controller | | |
| Gulfbox Junction | | |
| Wood Pole | | |
| Temp. Signal Head | | |
| Handhole | | |
| Double Handhole | | |
| Heavy Duty Handhole | | |
| Junction Box | | |
| Ped. Pushbutton Detector | | |
| Ped. Signal Head | | |
| Power Pole Service | | |
| Priority Veh. Detector | | |
| Signal Head | | |
| Signal Head w/Backplate | | |
| Signal Post | | |
| Closed Circuit TV | | |
| Video Detector System | | |

**UNDERGROUND
UTILITY ITEMS EX PR ABANDONED**

| | | | |
|-----------------|--|--|--|
| Cable TV | | | |
| Electric Cable | | | |
| Fiber Optic | | | |
| Gas Pipe | | | |
| Oil Pipe | | | |
| Sanitary Sewer | | | |
| Telephone Cable | | | |
| Water Pipe | | | |

UTILITIES ITEMS EX PR

| | | |
|-----------------------------------|--|--|
| Controller | | |
| Double Handhole | | |
| Fire Hydrant | | |
| GuyWire or Deadman Anchor | | |
| Handhole | | |
| Heavy Duty Handhole | | |
| Junction Box | | |
| Light Pole | | |
| Manhole | | |
| Pipeline Warning Sign | | |
| Power Pole | | |
| Power Pole with Light | | |
| Sanitary Sewer Cleanout | | |
| Splice Box Above Ground | | |
| Telephone Splice Box Above Ground | | |
| Telephone Pole | | |

**UTILITY ITEMS
(contd.) EX PR**

| | | |
|----------------------------|--|--|
| Traffic Signal | | |
| Traffic Signal Control Box | | |
| Water Meter | | |
| Water Meter Valve Box | | |
| Profile Line | | |
| Aerial Power Line | | |

VEGETATION ITEMS EX PR

| | | |
|----------------------|--|--|
| Deciduous Tree | | |
| Bush or Shrub | | |
| Evergreen Tree | | |
| Stump | | |
| Orchard/Nursery Line | | |
| Vegetation Line | | |
| Woods & Bush Line | | |

**WATER FEATURE
ITEMS EX PR**

| | | |
|--------------------------|--|--|
| Stream or Drainage Ditch | | |
| Waters Edge | | |
| Water Surface Indicator | | |
| Water Point | | |
| Disappearing Ditch | | |
| Marsh | | |
| Marsh/Swamp Boundary | | |

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 (Sheet 8 of 8)

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