

**REQUEST
FOR BID**

**CITY OF PEORIA
DIVISION OF PURCHASES**

ROOM 108, CITY HALL BUILDING
PEORIA, ILLINOIS 61602-1276

SIR/MADAME: Please quote on this sheet the items or services described below. The right is reserved to reject any or all bids. In case of default the city will procure its supplies from other sources and hold the successful bidder liable for the difference. **BIDS MUST BE FIRM.** Bidders desiring to bid on items which deviate from the specifications, but which they believe to be equivalent are requested to do so. The right is reserved as the interest of the City may require, to reject any or all bids and to waive any nonmaterial informality or irregularity in the bids received. All bids must be in English.

To:

Date: April 23, 2012

EEO Certificate of Compliance #

Bid No. 28-12

Do not include any local, state or federal taxes in your prices as the City is exempt. ALL QUOTATIONS MUST BE F.O.B. PEORIA, ILLINOIS.

QUOTATIONS MUST BE RECEIVED BY: 2:00 P.M., Thursday, May 10, 2012

ITEM/QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1) 1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY & POST 53'	\$ _____	\$ _____
2) 1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY & POST 42'	\$ _____	\$ _____
3) 1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY & POST 48'	\$ _____	\$ _____
4) 2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY & POST 44'	\$ _____	\$ _____
5) 2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY & POST 42'	\$ _____	\$ _____
6) 1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY & POST 40'	\$ _____	\$ _____
5) 1		<u>Bid to include delivery to Project</u>		
		TOTAL		\$ _____
6) 8	EACH	LED FIXTURE ALTERNATE	\$ _____	\$ _____
		<u>PLEASE MARK ENVELOPE: BID #28-12</u>		

We agree to furnish the above material or services according to your plans, specifications and conditions and at prices specified hereon. The undersigned firm certifies that it is not barred from bidding on this bid as a result of a conviction for the violation of State of Illinois laws prohibiting bid-rigging or bid-rotating per Public Act 85-1295, Section 33E-3, and 33E-4. The undersigned further certifies that it is not delinquent in the payment of any indebtedness, tax, fee or fine owed to the City of Peoria or in the payment of any tax administered by the Illinois Department of Revenue and is in compliance with the terms and conditions of Sec. 10-109 of the Peoria City Code and Public Act 86-1039 (Illinois Revised Statutes, Chapter 24, Section 11-42.1-1).

Cash discount will be deducted in determining the lower bidder. We quote **FIRM:**

the following discount for payment with cash within 20 days following
complete delivery and acceptance of goods and receipt of invoice _____%. **BY:**
(Bids must be manually signed)

WE CAN DELIVER IN _____ DAYS. DATE _____ PHONE #:

ALL PRICES MUST BE IN INK OR TYPEWRITTEN. ALL CORRECTIONS MUST BE INITIALED.

INSTRUCTIONS TO BIDDER (4)

(2/23/09)

BID ENVELOPE IDENTIFICATION - Bidders shall submit their proposal in a sealed envelope (sealed bid) which shall be clearly labeled with the company name and address. Bidders are requested to indicate in the LOWER LEFT HAND CORNER OF THEIR ENVELOPE THE ITEM BEING BID, BID NUMBER, DATE AND TIME THE BID IS DUE.

MAILING OF BIDS - Two copies of all bid proposals are to be mailed or delivered to the City Purchasing Manager, Room 108, City Hall, 419 Fulton Street, Peoria, Illinois, 61602-1276. Proposals will not be accepted by FAX, e-mail, internet, telephone or telegraphic means. The City Purchasing Manager can be contacted at (309) 494-8582.

CLOSING TIME - The Bid closing time will be based upon Central Standard Time or Central Daylight time, whichever is in effect on the date the bid is due.

AWARD - An award will be made to the lowest qualified (responsive and responsible) proposal that complies with the terms and conditions of the specifications provided that it is in the best interest of the City to accept the proposal. Awards will be made on per item basis unless otherwise stated. The quality of the articles to be supplied, their conformity with specifications, their suitability to the requirements of the City and the delivery terms will be taken into consideration in making the award.

WITHDRAWAL OF BIDS - Bidders may withdraw their proposals at any time prior to the bid closing time by telephone, fax or written request. A telephone request must be confirmed in writing within 24 hours of the call and prior to closing time. No bidder shall withdraw his bid for a period of sixty (60) calendar days from the bid opening date. Negligence on the part of the bidder in preparing a proposal confers no right of withdrawal or modification of a proposal after it has been opened. No bid will be opened which has been received after the closing time specified in the bid proposal and it will be returned unopened to the bidder.

PRICES - Unit prices shall be shown for each unit on which there is a bid and shall include all packing, crating freight and shipping charges and cost of unloading supplies at destination unless otherwise stated in the bid proposal. All prices shall be stated in U.S. dollars. Unit prices shall not include any local, state or federal taxes. In case of mistake in extension of price, unit price shall govern. All prices must be typewritten or written in ink. No erasures are permitted. Mistakes must be crossed out and corrections typewritten or written in ink adjacent thereto and initialed in ink by the party signing the bid or his authorized representative.

SIGNATURES - Each bid must be signed by the bidder with his usual signature. Bids by partnerships must be signed with the partnership name by one of the members of the partnership, or by an authorized representative, followed by the signature and title of the person signing. Bids by corporations must be signed with the name of the corporation, followed by the signature and title of person authorized to bind it on the matter. All signatures must be in ink.

INVESTIGATION - Bidders shall make all investigations necessary to thoroughly inform themselves regarding the supplies and/or service to be furnished in accordance with the bid proposal. No plea of ignorance by the bidder, of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the bidder to make the necessary examinations and investigations, will be accepted as a basis for varying the requirements of the City or the compensation to the bidder.

EQUAL EMPLOYMENT OPPORTUNITY – To be awarded a contract all Suppliers, Vendors, Contractors to the City of Peoria, County of Peoria and/or the Peoria Park District **must** be registered in the City of Peoria's Contract Compliance Program and have a current EEO Certification number. This program is unrelated to any State and Federal program. The number is secured by completing and submitting, under notary seal, an Employer Report Form CC-1 (with required sexual harassment policy attached) to the City's Equal Opportunity Office. *Please note that the Certificate of Compliance is valid for one year and must be annually renewed.* Though the form may be included in the bid package, it can be requested on-line from the City's website (www.ci.peoria.il.us). Click on Department Focus, Equal Opportunity Office, Forms, then select "Employer Report" or "Renewal". The forms can also be obtained by writing or calling:

**City of Peoria
Equal Opportunity Office
419 Fulton St.
Peoria, IL 61602
(309) 494-8530 Voice
(309) 494-8532 TTY**

In accordance with Chapter 17 of the Peoria Municipal Code, a fifty-dollar (\$50.00) processing fee will be charged with each original submission of the Employer Report Form CC-1 that results in an approved certificate as well as the Annual Renewal Application. The only exception to payment of the processing fee is neighborhood associations.

Although all vendors are encouraged to obtain Equal Employment Opportunity Certification, vendors do not need an Equal Opportunity Certification to respond to a bid proposal. The EEO Certification Number is only required prior to the award of the contract.

SAMPLES - Samples of items, when required, must be submitted within the time specified and at no expense to the City; and if not destroyed in testing, they will be returned at the bidders request and expense. Samples, which are not requested for return within thirty (30) days, will become the property of the City.

RESPONSES – A response is requested of all bidders even if it is a "no bid". Do not include any personal information such as social security numbers that the bidder/proposer wishes to keep confidential.

CONTRACT TERMS

CITY'S AGENT- The City Purchasing Manager shall represent and act for the City in all matters pertaining to the bid proposal and contract in conjunction thereto.

PATENTS - The successful bidder agrees to protect, defend and save the City harmless against any demand for payment for the use of any patented material process, article or device that may enter into the manufacture, construction or form a part of the work covered by the contract.

HUMAN RIGHTS ACT - The contract will be subject to and governed by the rules and regulations of the Illinois Human Rights Act 775ILCS5/1-101 et seq. And as amended. And the provision of Chapter 775 of the Illinois Compiled Statutes 5/2-105 on Sexual Harassment policies.

NON-COLLUSION - With the executing of this bid the Bidder is certifying to non-collusion in the preparation and submittal. The bid must be properly executed by the bidder or the bid will not be considered for acceptance.

CANCELLATION - The City reserves the right to cancel the whole or any part of the contract, if the

contractor fails to perform any of the provisions in the contract or fails to make delivery within the time stated. The cancellation notice will be written and delivered by certified mail to contractors address on record. In the event the contract is canceled, The vendor may be declared an irresponsible vendor by the City manager...and as a result may be disqualified from doing business with the City for the period of one year in accordance with City Ordinance Section 10-102. The contractor will not be liable to perform if situations arise by reason of strikes, acts of God or the public enemy, acts of the City, fires or floods.

PERMITS AND LICENSES - The successful bidder shall obtain, at his own expense, all permits and licenses which may be required to complete the contract.

INSURANCE - Contractor will be required to carry a minimum \$500,000 Bodily Injury and Property Damage combined occurrence insurance and Workers' Compensation Insurance as required by the State of Illinois. Certificate of Insurance shall be furnished prior to starting work.

PRECEDENCE - Where special conditions are written in the specifications, these conditions shall take precedence over any conditions listed under the "Instructions to Bidders".

PREVAILING WAGES— Work under some contracts will obligate the Contractor and Subcontractors not to discriminate in employment practices. Provisions of the Prevailing Wage Act, 820 ILCS 130/0.01 et.seq., may apply to this project. Additional information can be obtained by calling (217) 782-6206. Applicable prevailing wage rates can be found at www.state.il.us/agency/idol/ for examination. Also applicable to this project are project provisions of the Employment of Illinois Workers on Public Works Act, 30 ILCS 570/0.01 et.seq., which requires that Illinois residents of 30 days or more be hired for Public Works Projects and improvements if the State Unemployment rate exceeds 5% for two (2) consecutive months.

During the term of the awarded contract or as long as work continues, whichever is longer, and on a monthly basis, the Contractor shall submit in person, by mail or electronically, a certified payroll to the Designated Representative of the City of Peoria. The certified payroll shall consist of a complete copy of the following records: a list of all laborers, mechanics, and other workers employed by them to perform the work hereunder. The records shall include the following information for each worker: name, address, telephone number when available, social security number, classification or classifications, the hourly wages paid in each pay period, the number of hours worked each day and the starting and ending times of work each day. The certified payroll shall be accompanied by a statement signed and sworn to by the Contractor or subcontractor which avers that: (1) such records are true and accurate; (2) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required by the Prevailing Wage Act (820 ILCS 130/0.01 et.seq.); and (3) the Contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class B Misdemeanor.

Upon two (2) business days' notice, the Contractor and each subcontractor shall make available for inspection the records identified above to the City, its officers and agents.

GOVERNING – This contract will be governed by the laws of the State of Illinois.

AFFIRMATIVE ACTION REQUIREMENTS - "The contractor/vendor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual harassment, ancestry, national origin, place of birth, age or a physical or mental handicap which would not interfere with the efficient performance of the job in question. The contractor/vendor will take affirmative action to comply with the provision of this division and will require any subcontractor to submit to the city written commitment to comply with this division. The contractor/vendor will distribute copies of this commitment to all persons who participate in recruitment, screening, referral and selection of job applicants, prospective job applicants, member or prospective subcontractors."

"The contractor/vendor agrees that the provision of Division 4 of Article III of Chapter 17 of the Code of the City of Peoria is hereby incorporated by reference, as if set out verbatim."

EMPLOYEE EMPLOYMENT RESTRICTIONS – THE CONTRACTOR

THE CONTRACTOR (hereinafter referred to as “SERVICE PROVIDER”) agrees, as a condition of accepting this contract with the City of Peoria, that, for a period of one (1) year following completion of this contract, it shall be prohibited from hiring, directly or indirectly, any City employee or official who was involved, directly or indirectly in: (1) the selection and/or recommendation to select the SERVICE PROVIDER for performance of this contract; (2) coordinating the efforts of the SERVICE PROVIDER in the consummation or completion of this contract; or (3) monitoring or determining the performance of the SERVICE PROVIDER. The SERVICE PROVIDER further acknowledges and agrees that, upon the City’s determination that a violation of this provision has occurred, the penalty imposed, at the sole discretion of the City, may include one or more of the following: (1) cancellation of any other contract(s) between the City of Peoria and the SERVICE PROVIDER; (2) disqualification of the SERVICE PROVIDER from bidding or being awarded future contracts with the City of Peoria for a period of two [2] years; and/or (3) payment of liquidated damages to the City of Peoria in the amount of TWENTY FIVE THOUSAND DOLLARS (\$25,000.00). ***This does not apply to any City Employee involved in the 2011-2012 reduction in force; nor does it apply to parties taking the Early Retirement Incentive offered by the City from November 1, 2011 through November 1, 2012.***

STATE OF ILLINOIS

CITY OF PEORIA

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for 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 for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions.

LOCATION OF PROJECT

The project is located at the intersection of Main Street and Washington Street and at the intersection of Liberty Street and Washington Street in the City of Peoria, Illinois.

DESCRIPTION OF PROJECT

The work included in this contract consists of fabrication and delivery of four (4) Steel Combination Mast Arms and Poles to the City of Peoria at the intersection of Main Street and Washington Street and four (4) Steel Combination Mast Arms and Poles to the City of Peoria at the intersection of Liberty Street and Washington Street, Peoria, Illinois 61602.

DATE OF COMPLETION

The Supplier shall supply the Engineer proposed delivery schedules for the Steel Combination Mast Arms and Poles units within 2 weeks of material supply contract award.

Upon receipt of delivery schedules from the Supplier, the delivery date for the Steel Combination Mast Arms and Poles shall become the date of completion for that portion of this contract. The Supplier shall then schedule his operations so as to complete all fabrication of materials and delivery of said materials to the City of Peoria on or before the scheduled date of delivery for that portion of the construction contract.

The final delivery of all materials for the final construction contract shall occur on or before August 23, 2012.

FAILURE TO COMPLETE WORK ON TIME

Should the Supplier fail to deliver the work on or before the established dates of completion, or within such extended time allowed by the City, the Supplier shall be liable to the City of Peoria-Department of Public Works, in the amount of \$1000, not as a penalty but as liquidated and ascertained damages for each calendar day beyond the date of delivery as established in the delivery schedules or extended time as may be allowed. Such damages may be deducted by the City of Peoria from any monies due to the Supplier.

In fixing the damages as set out herein, the desire is to establish a certain mode of calculation for the work because the City's actual loss, in the event of delay, cannot be predetermined, would be difficult of ascertainment, and a matter of argument and unprofitable litigation. This mode is an equitable rule for measurement of the City's actual loss and fairly takes into account the loss of use of the roadway if the project is delayed in completion. The City of Peoria shall not be required to provide any actual loss to recover these liquidated damages provided herein, as these damages are very difficult to ascertain. Furthermore, no provision of this clause shall be construed as a penalty, as such is not the intention of the parties.

A calendar day is every day on the calendar and starts at 12:00 midnight and ends at the following 12:00 midnight, twenty-four hours later. No payment will be paid for any day less than twenty-four hours.

PROCEDURE FOR SUBMITTAL AND RESPONSE TO PLAN QUESTIONS

Bidder questions

Questions regarding clarification of the contract plans, special provisions, and contract documents will be answered by the City of Peoria to those bidders who supply an e-mail address. Bidders are requested to submit contract plan and special provision related questions to City of Peoria, at the following e-mail address: sreeise@ci.peoria.il.us

Questions must be received on or before May 4, 2012. Any questions received after May 4, 2012 may not be addressed due to time constraints. A response to submitted questions will be provided by May 8, 2012 by e-mail to all bidders who have provided an e-mail address. All suppliers interested in bidding on this Steel Combination Mast Arms and Pole supply contract letting are requested to supply an e-mail address to be used as a contact to receive question responses.

STEEL COMBINATION MAST ARM ASSEMBLY

The following are required for each of the steel combination mast assemblies:

- 1) The templates and anchor bolts shall be delivered within 30 days of the issuance of a purchase order.
- 2) The steel combination mast arm assembly shall be galvanized with a high gloss black finish.
- 3) A decorative base "Sternberg Oxford 9301SS" less the rosettes or approved equal with a high gloss black finish shall be included.

- 4) A down light fixture "Sternberg Glenview 1945 with a glass lens" or approved equal with a high gloss black finish shall be included.
 - a) The down light fixture shall have a Type III Distribution with a 250 Watt Metal Halide bulb.
 - b) An LED fixture may be substituted if fixture ranges between 4200 – 5200 Kelvin, is a maximum of 175 Watts and delivers a minimum of 9,000 lumens downward.
- 5) The steel combination mast arm assembly shall have a ball type end cap on the mast arm and the pole itself.
- 6) The steel combination mast arms assemblies shall be a total height of 35 feet but pole diameter and thickness shall be designed for a total height of 45 feet.

MAST ARM ASSEMBLY AND POLE

Adopted: January 1, 2011

Revise Article 1077.03 of the Standard Specifications to read:

"1077.03 Mast Arm Assembly and Pole. Mast arm assembly and pole shall be as follows:

- (a) Steel Mast Arm Assembly and Pole and Steel Combination Mast Arm Assembly and Pole. The steel mast arm assembly and pole and steel combination mast arm assembly and pole shall consist of a traffic signal mast arm, a luminaire mast arm or davit (for combination pole only), a pole, and a base, together with anchor rods and other appurtenances. The configuration of the mast arm assembly, pole, and base shall be according to the details shown on the plans.

(1) Loading. The mast arm assembly and pole, and combination mast arm assembly and pole shall be designed for the loading shown on the Highway Standards or elsewhere on the plans, whichever is greater. The design shall be according to AASHTO "Standard Specification for Structural Supports for Highway Signs, Luminaries and Traffic Signals" 1994 Edition for 80 mph (130 km/hr) wind velocity. However, the arm-to-pole connection for tapered signal and luminaire arms shall be according to the "ring plate" detail as shown in Figure 11-1(f) of the 2002 Interim, to the AASHTO "Standard Specification for Structural Supports for Highway Signs, Luminaries and Traffic Signals" 2001 4th Edition.

(2) Structural Steel Grade. The mast arm and pole shall be fabricated according to ASTM A 595, Grade A or B, ASTM A 572 Grade 55, or ASTM A 1011 Grade 55 HSLAS Class 2. The base and flange plates shall be of structural steel according to AASHTO M 270 Grade 50 (M 270M Grade 345). Luminaire arms and trussed arms 15 ft (4.5 m) or less shall be fabricated from one steel pipe or tube size according to ASTM A 53 Grade B or ASTM A 500 Grade B or C. All mast arm assemblies, poles, and bases shall be galvanized according to AASHTO M 111.

(3) Fabrication. The design and fabrication of the mast arm assembly, pole, and base shall be according to the requirements of the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals published by AASHTO. The

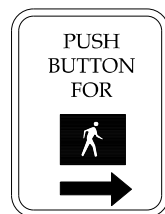
mast arm and pole may be of single length or sectional design. If section design is used, the overlap shall be at least 150 percent of the maximum diameter of the overlapping section and shall be assembled in the factory.

The manufacturer will be allowed to slot the base plate in which other bolt circles may fit, providing that these slots do not offset the integrity of the pole. Circumferential welds of tapered arms and poles to base plates shall be full penetration welds.

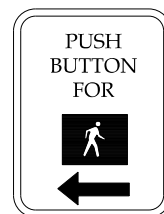
(4) Shop Drawing Approval. The Contractor shall submit detailed drawings showing design materials, thickness of sections, weld sizes, and anchor rods to the Engineer for approval prior to fabrication. These drawings shall be at least 11 x 17 in. (275 x 425 mm) in size and of adequate quality for microfilming.

- (b) Anchor Rods. The anchor rods shall be ASTM F 1554 Grade 105, coated by the hot-dip galvanizing process according to AASHTO M 232, and shall be threaded a minimum of 7 1/2 in. (185 mm) at one end and have a bend at the other end. The first 10 in. (250 mm) at the threaded end shall be galvanized. Two nuts, one lock washer, and one flat washer shall be furnished with each anchor rod. All nuts and washers shall be galvanized."

NOTE:
•• DENOTES ILLUMINATED SIGN HUNG FROM MAST ARM. SIGNS WILL MEET MUTCD, CITY OF PEORIA, AND IDOT STANDARDS. DETAILS ARE NOT PROVIDED. INFORMATION PROVIDED IS FOR VISUAL REPRESENTATION ONLY.



2 EACH REQUIRED



1 EACH REQUIRED

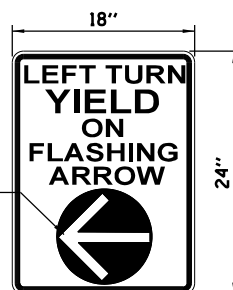
PEDESTRIAN PUSH BUTTON SIGN
TYPE R10-4B (L OR R)

9" X 12"
**PEDESTRIAN CROSSING
SIGN DETAIL**
(NOT TO SCALE)

TYPE B SHEETING REQUIRED

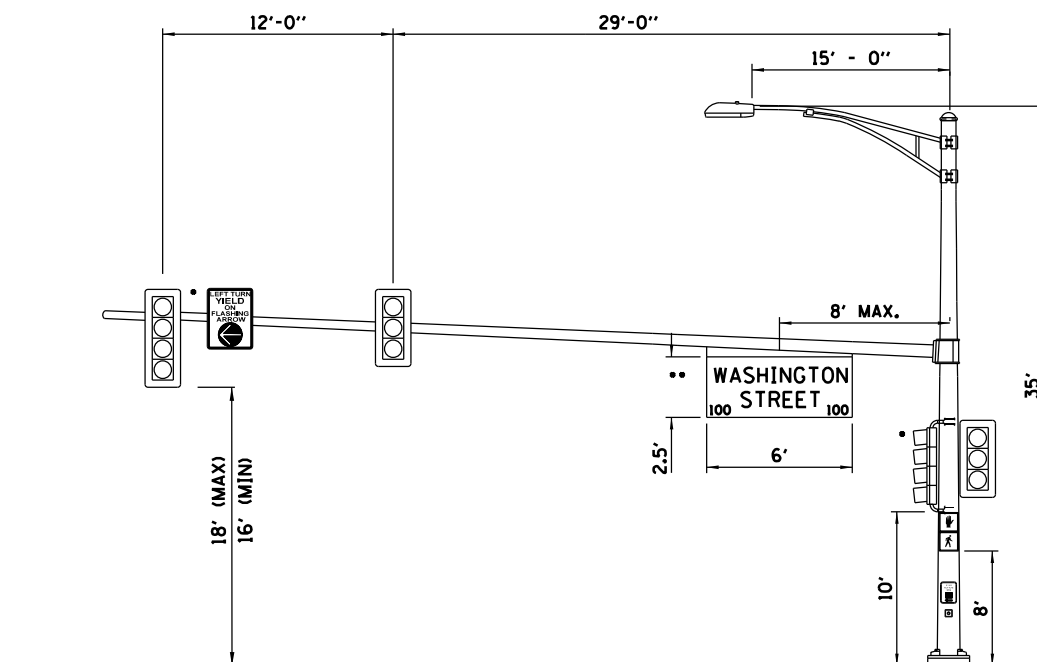
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STANDARD PEDESTRIAN PUSH
BUTTONS SHALL BE SUPPLIED AND
INSTALLED BY THE CONTRACTOR



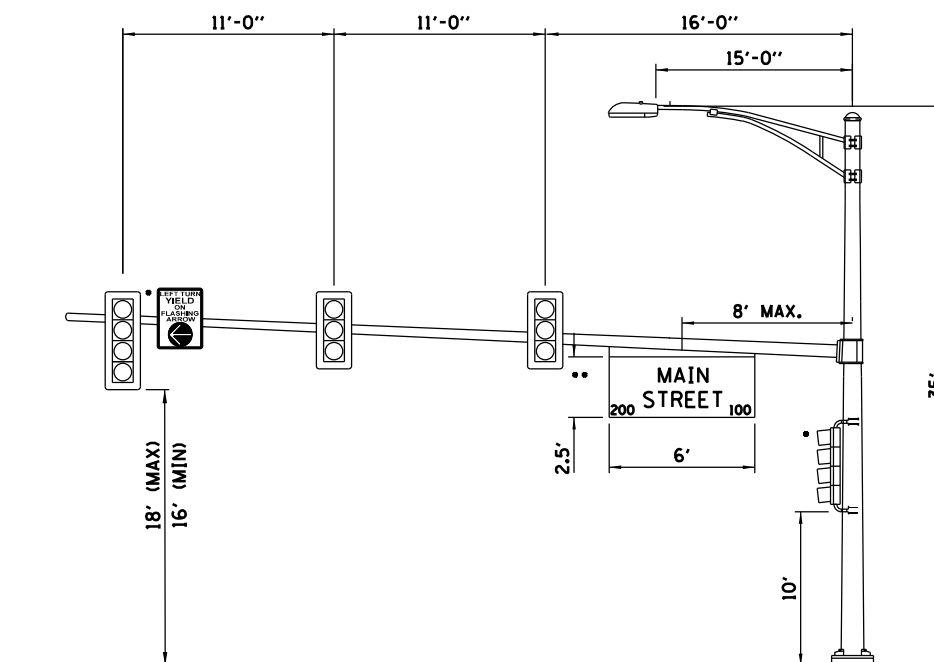
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SIGN BACKGROUND: WHITE
SIGN LETTERING: BLACK

YELLOW ARROW
ON BLACK
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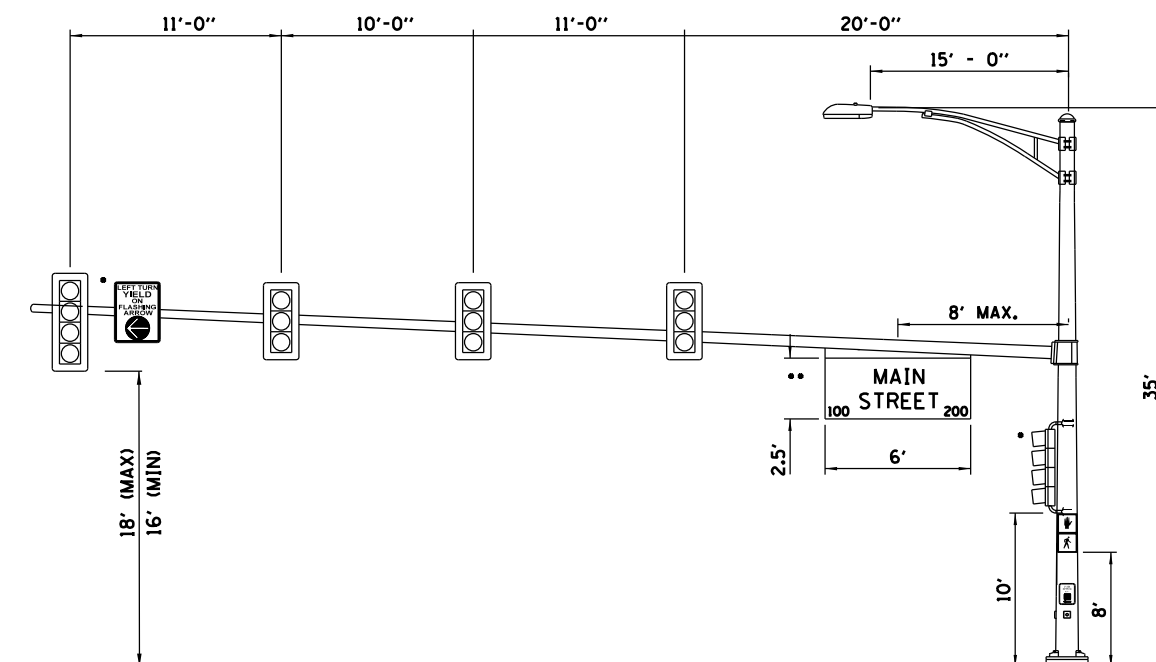


WASHINGTON ST. AND MAIN ST.
EASTBOUND MAIN ST.
NTS

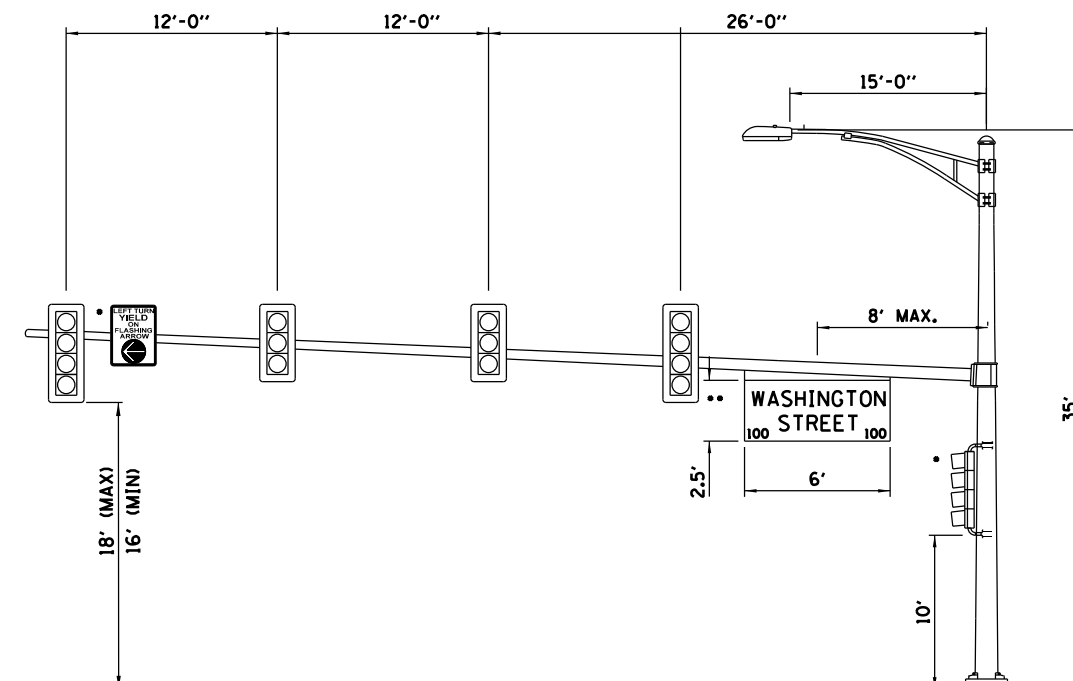
NOTE:
• DENOTES FLASHING YELLOW ARROW SIGNAL HEAD.



WASHINGTON ST. AND MAIN ST.
NORTHBOUND WASHINGTON ST.
NTS



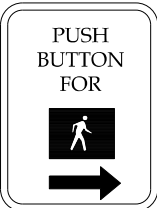
WASHINGTON ST. AND MAIN ST.
SOUTHBOUND WASHINGTON ST.
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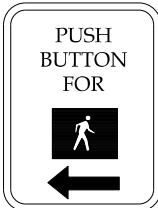
WASHINGTON ST. AND MAIN ST.
WESTBOUND MAIN ST.
NTS

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		PLOT SCALE = 10.0000' / in.	CHECKED - KNB		CONTRACT NO.								
		PLOT DATE = 04/24/2012	DATE - 04/30/12		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

NOTE:
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3 EACH REQUIRED



3 EACH REQUIRED

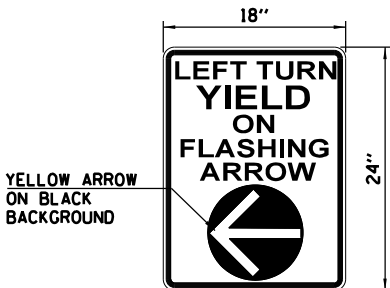
PEDESTRIAN PUSH BUTTON SIGN
TYPE R10-4B (L OR R)

9" X 12"
**PEDESTRIAN CROSSING
SIGN DETAIL**
(NOT TO SCALE)

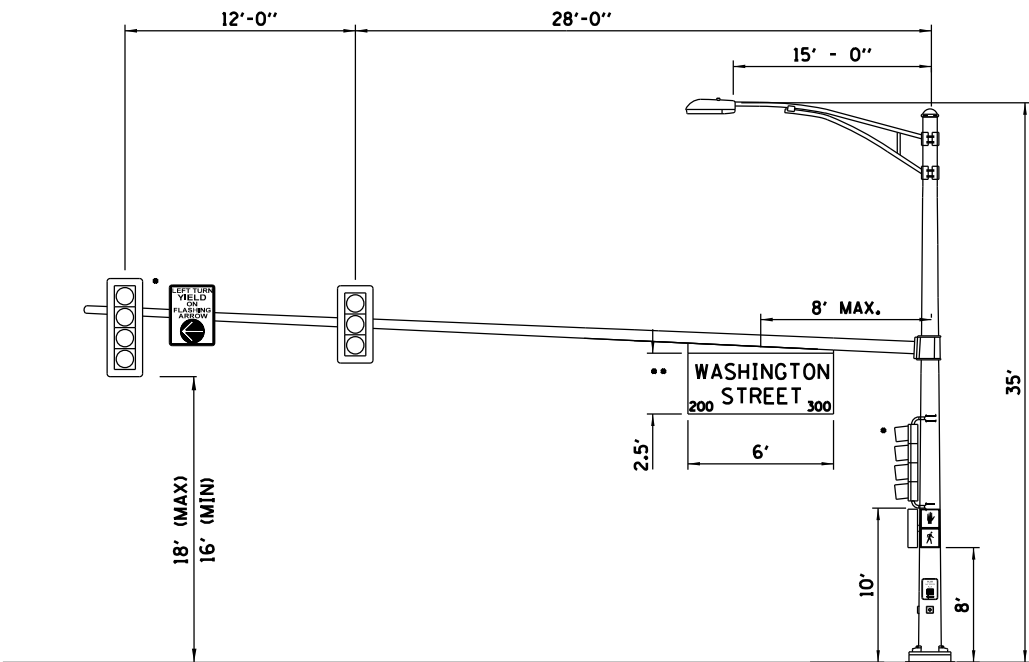
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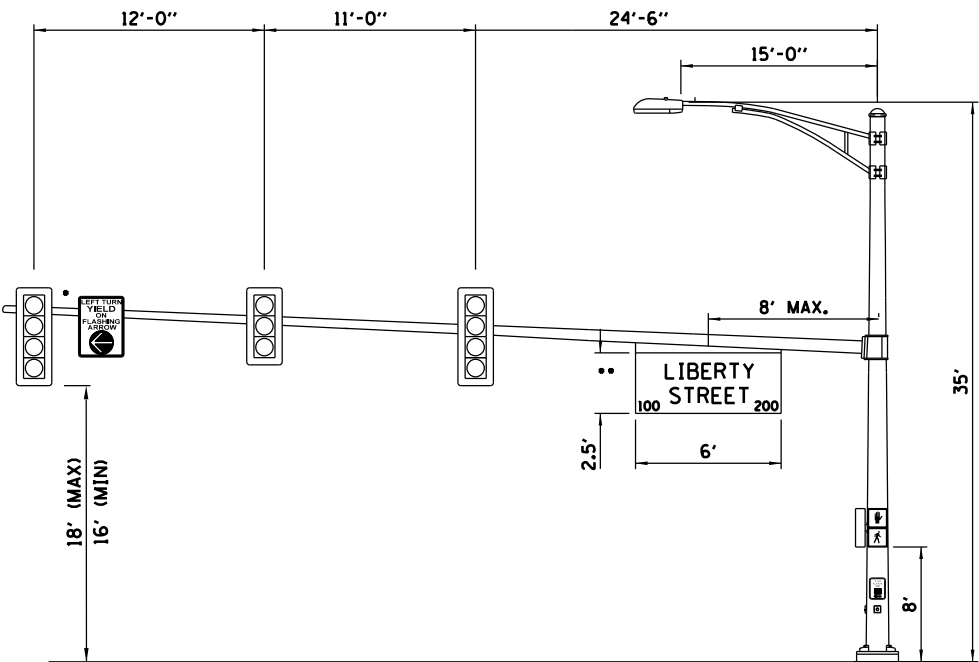
STANDARD PEDESTRIAN PUSH
BUTTONS SHALL BE SUPPLIED AND
INSTALLED BY THE CONTRACTOR



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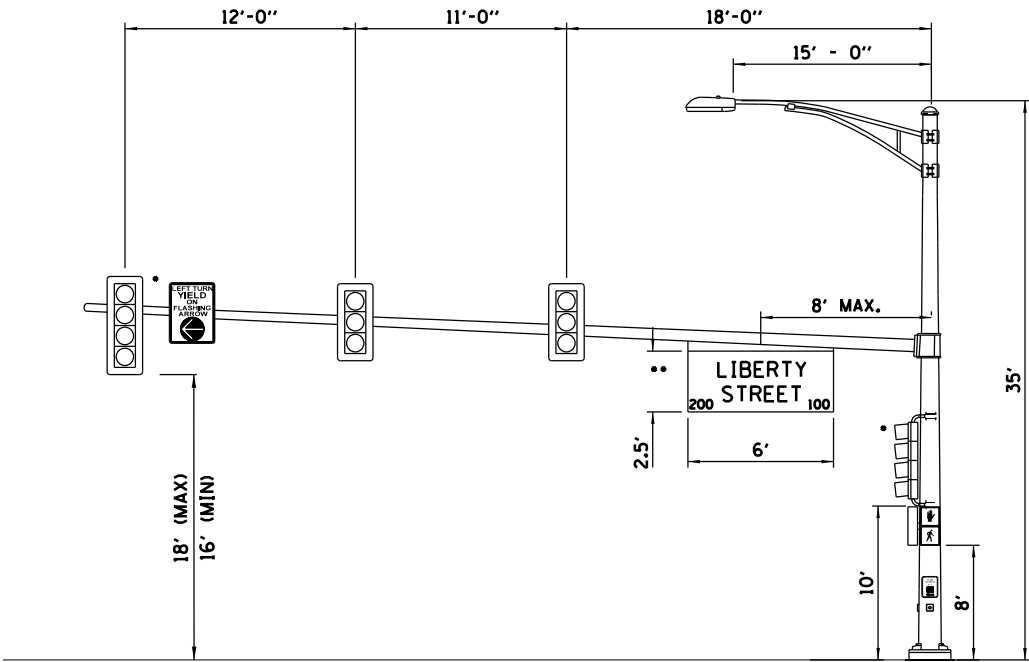


**WASHINGTON ST. AND LIBERTY ST.
EASTBOUND LIBERTY ST.
NTS**

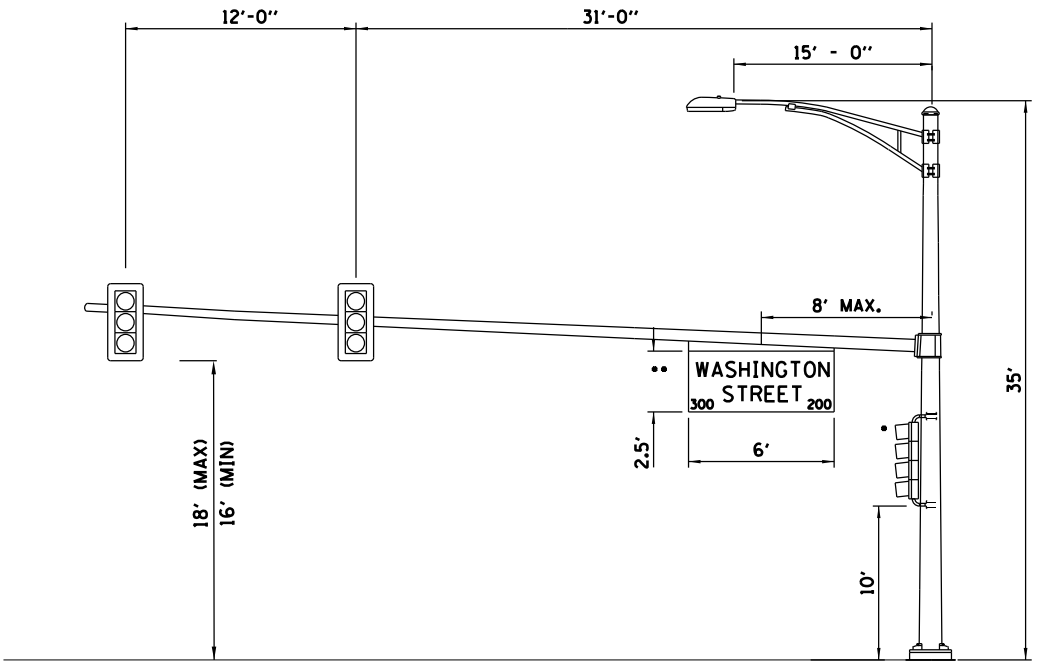


**WASHINGTON ST. AND LIBERTY ST.
SOUTHBOUND WASHINGTON ST.
NTS**

NOTE:
• DENOTES FLASHING YELLOW ARROW SIGNAL HEAD.

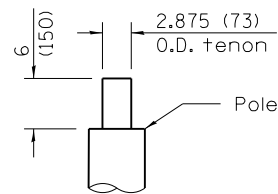


**WASHINGTON ST. AND LIBERTY ST.
NORTHBOUND WASHINGTON ST.
NTS**



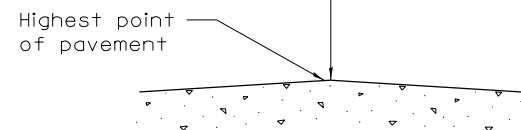
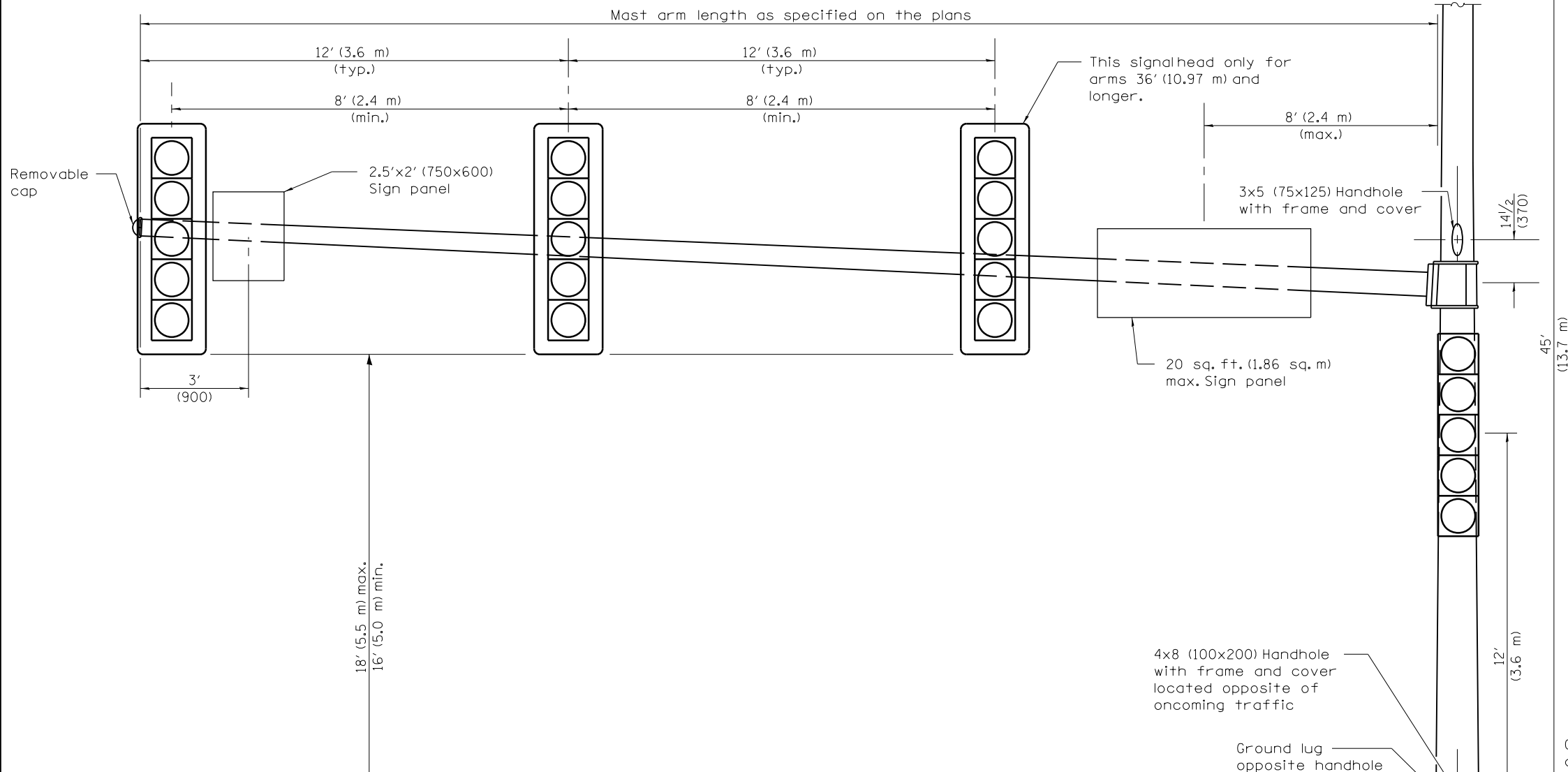
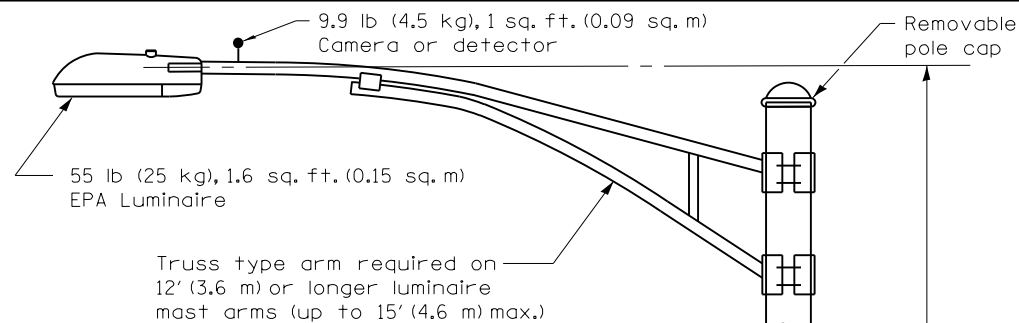
**WASHINGTON ST. AND LIBERTY ST.
WESTBOUND LIBERTY ST.
NTS**

FILE NAME = c:\pwise_work\do_not_delete\dms84964\1000091_MB-shr-ts006.dgn	USER NAME = andr00846 0091_MB-shr-ts006.dgn PLOT SCALE = 10.0000' / in. PLOT DATE = 04\24\2012	DESIGNED - TMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WASHINGTON STREET AND LIBERTY STREET MAST ARM LOADING DIAGRAM				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RLA	REVISED -						64	12-00355-02-PV	PEORIA	97	44
		CHECKED - KNB	REVISED -		CONTRACT NO.								
		DATE - 04/30/12	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

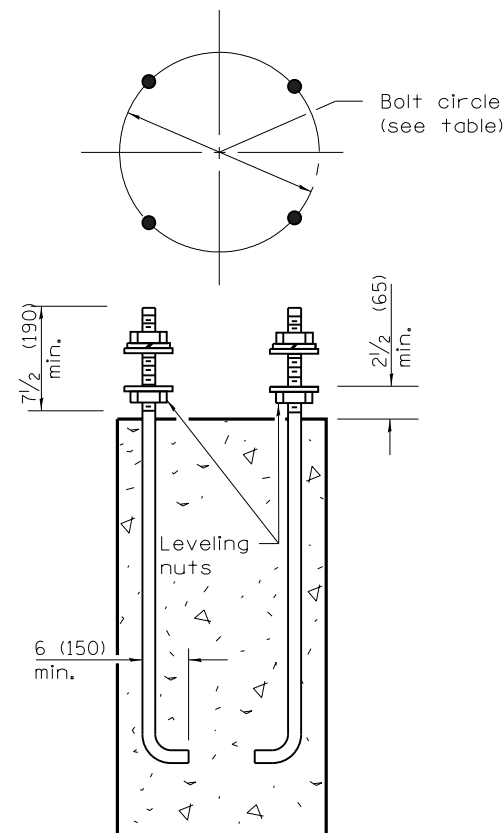


TENON TOP FOR VERTICAL MOUNTED LUMINAIRES

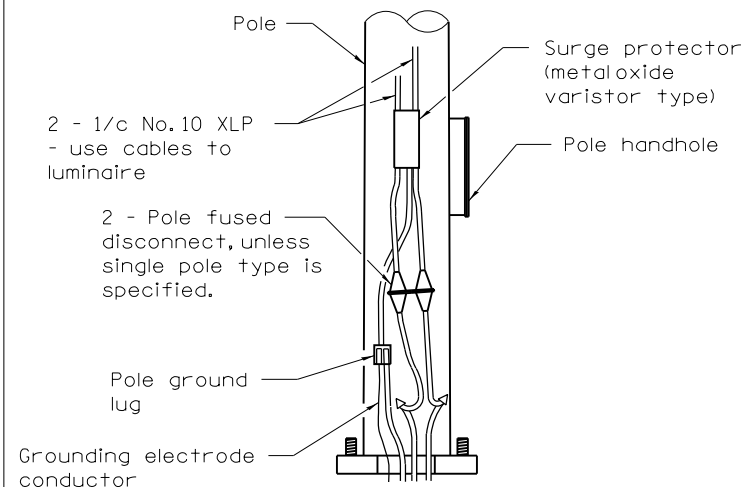
Note: The tenon top shall support a bullhorn fitting with two (twin) vertically mounted luminaires (clamp-mounted bullhorn assembly with removable pole cap acceptable). Each luminaire shall weigh 100 lb (45 kg) and have an effective projected (EPA) area of 3.85 sq. ft. (0.36 sq. m).



MAST ARM LENGTH	BOLT CIRCLE	ANCHOR ROD SIZE
16' thru 20' (4.87 m thru 6.10 m)	15 (380)	1 1/2 x 5' (38 x 1.5 m)
22' thru 30' (6.71 m thru 9.14 m)	18 (450)	1 1/2 x 5' (38 x 1.5 m)
32' thru 40' (9.75 m thru 12.20 m)	18 (450)	1 3/4 x 7' (44 x 2.10 m)
42' thru 55' (12.80 m thru 16.80 m)	21 (535)	1 3/4 x 7' (44 x 2.10 m)



ANCHOR ROD DETAIL



POLE BASE DETAIL

GENERAL NOTES

Signalheads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signalhead shall weigh 80 lb (36 kg) and have a projected area of 14.7 sq. ft. (1.37 sq. m).

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

DATE	REVISIONS
1-1-12	Changed 2.5'x8' sign panel to 20 sq. ft. (1.86 sq. m) max.
1-1-09	Switched units to English (metric).

STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'

STANDARD 877011-05

Illinois Department of Transportation

APPROVED January 1, 2012
Dustin Mann
ENGINEER OF OPERATIONS

APPROVED January 1, 2012
Scott S. S. S.
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02