

**CITY COUNCIL AGENDA**

**October 10, 2016**

**I-4 Budget Amendment and Bid Waiver – Police Department Perimeter Fencing  
(Introduced by: Chief Gary Mayer)**

Resolution #2016-10-172

Moved by Baker

Seconded by Abraham

BE IT RESOLVED, That Troy City Council hereby **AUTHORIZES** City Management to transfer from the General Fund to the Capital Projects Fund the amount of \$280,000 along with the associated expenditure to the Capital Projects Fund for Police Department Perimeter Fencing.

BE IT FURTHER RESOLVED, That Troy City Council hereby **AWARDS** a contract to *Industrial Fence & Landscaping, Inc., of Detroit, MI* for an estimated cost of \$254,560 with a 10% contingency for an estimated total of \$280,000 for the installation of perimeter fencing around the Police Department parking lot, five (5) vehicle access gates with card access controls (3 inbound gates and 2 outbound gates), and three (3) pedestrian access gates (2 pedestrian gates include card access control wiring).

BE IT FURTHER RESOLVED, That the award is **CONTINGENT** upon the contractor's submission of properly executed bid and contract documents, including bonds, insurance certificates and all other specified requirements.

Yes  
No. 70

# BLANKET ORDER

No. 2017-00000254

DATE: 10/13/2016

PAGE: 1 of 1

FOB DESTINATION

Ship To

CITY OF TROY  
Police  
500 W BIG BEAVER RD  
TROY, MI 48084

Bill To

CITY OF TROY  
Police  
500 W BIG BEAVER RD  
TROY, MI 48084COUNCIL RESOLUTION  
2016-10-172

VENDOR NO. 171526

Vendor

INDUSTRIAL FENCE & LANDSCAPING, INC.  
12030 PLEASANT ST.  
DETROIT, MI 48217

COPY

QUANTITIES ARE ESTIMATED AND WILL BE ORDERED AS NEEDED

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1	Each	Perimeter Fencing Project for the Police Department Furnish and install all equipment, material and labor to install new fencing and vehicle/pedestrian gate access points for the City of Troy Police Department as per all specifications, scope of work and pricing summary for RFQ-COT 16-32. Project completion date: 11/30/2016. Your bid deposit check# 26463 in the amount of \$5,000.00 will be retained as performance surety until successful completion and acceptance of all contract requirements.	254,560.0000	\$254,560.00
1	Each	WARRANTY: IMPASSEII fencing warranty: Labor: 2 years Fence: 15 years Gates: 5 years	0.0000	\$0.00
Entered By: MaryBeth Murz				\$254,560.00

## Special Instructions:

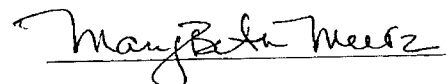
CITY COUNCIL AWARD DATE: 10/10/2016. CERTIFICATE OF INSURANCE SHALL BE ON FILE FOR DURATION OF PROJECT. Contact Kurt Bovensiepe to schedule install. 248 524 3489.

## TERMS &amp; CONDITIONS

- Purchases of Municipalities are exempt from State Sales and Federal Excise Taxes.
- Prior to acceptance, vendor agrees to provide City with information under the Right-to-Know Law, P.A. 1986, No. 80, and fully comply with all terms and conditions of the Michigan Occupational Safety and Health Act, MCL 408.1001, et seq. including vendor shall provide City with an "MSDS". Vendor also agrees to be responsible for all required labeling.
- In cases of emergency/disaster, the City can purchase up to six(6) times the order amount for a period of six(6) months at the price contained in the contract.
- Purchase Orders are signed electronically based upon computer generated "on-line" authorized approvals. Authentic signatures are on file in the City of Troy Purchasing Department.

NOTICE: The City could put the vendor on notice that vendors will be held financially responsible for any claims or awards made against the City as a result of the vendor's action. If the City has to defend the initial lawsuit, the City will bring in the vendor as a co-defendant or sue the vendor, either as the result of settling a claim or the conclusion of the lawsuit.

I HEREBY CERTIFY THAT THIS ORDER IS PROPERLY AUTHORIZED AND APPROVED.



CITY OF TROY  
PURCHASE ORDER  
FENCING FOR POLICE DEPARTMENT

RFQ-COT 16-32  
Page 1 of 2

Industrial Fence & Landscaping, Inc.

Detroit, MI

Check#

#26463

Check Amount

\$5,000.00

**PROPOSAL:** To furnish all equipment, material and labor to install new Fencing and Vehicle/Pedestrian Gate Access Points for the City of troy Police Department.

**ALTERNATE:**

**COMPLETE FOR THE SUM OF:**

**\$254,560.00**

**FENCE (Ameristar Mfgr.) ALTERNATES:**

Impassell

**WARRANTY:**

Labor:

2 Years

Fence:

15 Years

Gate Operators:

5 Years

**POWER/WIRING:**

Included

**CONTROL PANEL:**

Not Included

**CONTACT INFORMATION:**

Hours of Operation:

7:30am - 4:30am

24HR Phone #

734 777 0986

Email:

[nicknovak@sbcglobal.net](mailto:nicknovak@sbcglobal.net)

**SITE INSPECTION:** Y/N

Yes

Date

9/23/2016

**COMPLETION DATE:**

Can Meet

Yes

Cannot Meet

Offers

Work Shall Commence

30 days after notice to proceed

**REFERENCES:**

Yes

**INSURANCE:**

Can Meet

Yes

Cannot Meet

**ACKNOWLEDGEMENT SIGNED:** Y OR N

Yes

**PAYMENT TERMS:**

Net30 Days

**EXCEPTIONS:**

None

**QUESTIONNAIRE:** Attached Y or N

Yes

**SCHEDULE OF VALUES:** Y or N

Yes

**FORMS COMPLETED:**

Legal Status of Bidder:

Y or N

Yes

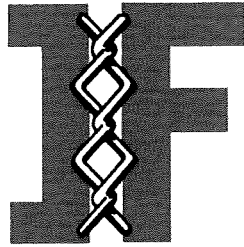
Non-Collusion Affidavit:

Y or N

Yes

Certification regarding Debarment: Y or N

Yes



Area Code: (313) 297-2997  
Fax: (313) 297-7233

# INDUSTRIAL FENCE

12030 PLEASANT STREET • DETROIT, MICHIGAN 48217

CERTIFIED W.B.E.

CERTIFIED D.H.B.

October 5, 2016

City of Troy

Re: Police Department Security Fencing  
**High Security Fence**

We are pleased to provide a proposal for the following scope of work:

Furnish and install approx. 1200 lf of 6' high *Ameristar Impasse II* "Stronghold" High Security Pale Fencing and gates (see detail). Includes three (3) pedestrian gates and five (5) motorized vehicle gates as shown on the bid package drawing.

#### Vehicle Access Gates

- The Southernmost drive will be entrance only and utilize a 'HYJD' vertical pivot gate by Ideal Mfg. approx. 15' wide.
- The middle drive will utilize one 'Ziptrack' cantilevered sliding gate by ELITE approx. 14' wide with 'Slidesmart' motorized operator on the entrance side, and one vertical 'DCM' pivot gate by Ideal Mfg. approx. 12' wide on the exit side.
- The North drive will utilize two 'Ziptrack' cantilevered sliding gates approx. 14' wide each. One for entrance and one for exit. Both with 'Slidesmart' gate operators.

All motorized gates include: battery back-up for limited use during power outage, new vehicle detection pavement loops as needed, safety devices as required by UL325 code, extension of existing power and control wiring runs as needed. Utilize all existing access control equipment.

#### Pedestrian Gates

- The Southern and middle pedestrian access gates will be equipped with self-closing hinges, electro-magnetic locks and card reader housings to accept Owner's new HID card readers. Includes power wiring from nearby gate operators. Also includes spare conduit run from gate operator to new card reader location. Actual wiring runs and card readers by Owner's security vendor.
- The North pedestrian access gate will be equipped with self-closing hinges, electro-magnetic lock and electric key switch. Includes power wiring from building and spare conduit for future access control.

Furnish and install approx. 60 lf of knitted 'Construction 85' privacy screening on portion of fence between Courthouse and Police Department. Owner to choose from standard colors.

***For the Sum of: \$254,560.00***

Please call if you have any questions.  
Regards,

Richard Novak

## IMPASSE II® | WARRANTY

### HIGH SECURITY ORNAMENTAL STEEL FENCE

The Impasse II® Steel Security Fence System by Ameristar® is manufactured from the highest quality materials by skilled craftsmen to meet the highest standards of workmanship in the industry. Galvanized steel framework shall be subject to a six stage pretreatment/wash (with zinc phosphate) followed by an electrostatic spray application of the PermaCoat® Color System, a two coat powder system. The base coat is a thermosetting epoxy powder coating (gray in color). The top coat is a "no-mar" TGIC polyester powder coat finish, which provides the protection necessary to withstand adverse environmental conditions.

The powder coated surface on all framework (i.e., pales, rails and posts) by Ameristar is guaranteed under normal and proper usage, against cracking, peeling, chipping, blistering or corroding for a period of fifteen (15) years from the original purchase date. Normal and proper usage does not include physical damage, abrasion or exposure to salty environments to the protective coating.

Impasse II Steel Security Fence System framework is also guaranteed for the same period of time against defects in workmanship or materials.

Should any Impasse II® fence framework manufactured by Ameristar Fence Products fail in accordance with any of the above conditions, Ameristar® Fence Products warrants to the original purchaser their redemption through replacement, renewal or issuance of a pro-rated credit. The decision as to which method of redemption is allowed is solely at the discretion of Ameristar. If pro-rated allowance is the chosen alternative, the amount will be based on the total number of years under warranty from date of purchase to date of claim, based on the original cost of framing materials found to be defective. Notice of failure under the conditions of this warranty shall be sent to Ameristar Fence Products or its authorized representative, in writing, together with proof of purchase and shall specify the nature of the defect and when it was first observed. When cutting Impasse II components immediately seal the exposed surfaces by 1) Removing all metal shavings from cut area 2) Apply zinc-rich primer to thoroughly cover cut edge and drilled hole; let dry 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. If contractor uses non Ameristar parts/components this will negate the warranty. Should the fence be improperly installed, Ameristar Fence Products shall not be responsible for guaranteed performance or appearance of the material. Neither does this guarantee apply when failure or damage is due to improper use or application, abuse or misuse, salty environments, vandalism or acts of God. Ameristar Fence Products reserves the right to inspect the material to determine validity of the claim.

Upon validation of the claim by Ameristar Fence Products or its authorized representative, redemption by replacement, renewal or issuance of a pro-rated credit shall be made by Ameristar Fence Products. Reimbursement for labor necessary to restore and/or replace components that have been found defective under the terms of this warranty is guaranteed to the original purchaser for a period of five (5) years from the original purchase date. Ameristar reserves the right to select the qualified company or individual to perform the labor to repair or replace the components that are deemed to be defective under the terms of this warranty.

The above constitutes the complete warranty by the manufacturer. No other agreement, written or implied, is valid. Ameristar Fence Products does not authorize any other person or agent to make any other express warranties. Ameristar Fence Products neither assumes nor authorizes any other person or agent to assume any other liability in connection with the Impasse II Steel Security Fence System. Some jurisdictions do not allow limitations on how long an implied warranty lasts, nor do they allow an exclusion or limitation of incidental or consequential damages; therefore, the limitations and exclusions noted herein may not apply.



**AMERISTAR®**  
**FENCE PRODUCTS**

1555 N. MINGO RD., TULSA, OK 74116  
[WWW.AMERISTARFENCE.COM](http://WWW.AMERISTARFENCE.COM)



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/12/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Jimmie Lou Williamson
Daly Merritt Insurance	PHONE (A/C, No. Ext): (734) 283-1400
3099 Biddle Avenue	FAX (A/C, No): (734) 283-1197
	E-MAIL ADDRESS: jimmielou.williamson@dalymeritt.com
	INSURER(S) AFFORDING COVERAGE
Wyandotte MI 48192	INSURER A Motorists Mutual Ins Co
	INSURER B:
	INSURER C:
	INSURER D:
	INSURER E:
	INSURER F:

COVERAGES CERTIFICATE NUMBER: CL1683111822 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> XCU Not Excluded <input checked="" type="checkbox"/> Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:	X		33.304285-80 Automatic Additional Insured and Waiver of Subrogation if required by contractual agreement	9/1/2016	9/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 7,500 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Property Damage Deductible: \$ 750
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			33.304285-80 Automatic Additional Insured and Waiver of Subrogation if required by contractual agreement	9/1/2016	9/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Auto Enhancement Plus \$ Included
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			33.304285-80 True Follow Form over GL &Auto Liab &Employers Liab	9/1/2016	9/1/2017	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	33.304285-80	9/1/2016	9/1/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Rented / Leased or Borrowed Equipment			33.304285-80	9/1/2016	9/1/2017	Total Combined Maximum: \$100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
If Required By Written Contract and Allowed By Law: City of Troy is Included as Additional Insured on the General Liability policy for their insurable interest in the operations of the Named Insured.

## CERTIFICATE HOLDER

City of Troy  
500 W. Big Beaver  
Troy, MI 48084

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Tim O'Malley/JLWILL

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Opening Date -- 9/30/2016  
Date Reviewed -- 9/30/2016

CITY OF TROY  
QUOTE SUMMARY  
FENCING FOR POLICE DEPARTMENT

RFQ-COT 16-32  
Page 1 of 2

	American Fence & Supply Co., Inc.	Motor City Fence	Industrial Fence & Landscaping, Inc.	RMD Holdings, Ltd. dba Nationwide
	Warren, MI	Troy, MI	Detroit, MI	Chesterfield, MI
Check#	#1432300082	#9202232933	#26463	#9012313286
Check Amount	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
<b>PROPOSAL:</b> To furnish all equipment, material and labor to install new Fencing and Vehicle/Pedestrian Gate Access Points for the City of troy Police Department.				
<b>COMPLETE FOR THE SUM OF:</b>	<b>\$203,457.00</b>	<b>\$207,386.00</b>	<b>\$251,879.00</b>	<b>\$287,151.00</b>
<b>FENCE (Ameristar Mfgr.):</b>	AegisII	AegisII	AegisII	Montagell
<b>WARRANTY:</b>	Labor: 1 Year	1 Year	2 Years	1 Year
	Fence: 10 Years	10 Years	10 Years	20 Years
	Gate Operators: 5 Years	5 Years	5 Years	5 Years
<b>ALTERNATE:</b>			<b>\$254,560.00</b>	
<b>COMPLETE FOR THE SUM OF:</b>			Impassell	
<b>FENCE (Ameristar Mfgr.) ALTERNATES:</b>			2 Years	
<b>WARRANTY:</b>	Labor:		15 Years	
	Fence:		5 Years	
	Gate Operators:			
<b>POWER/WIRING:</b>	Not Included	Not Included	Included	Included
<b>CONTROL PANEL:</b>	Not Included	Not Included	Not Included	Included
<b>CONTACT INFORMATION:</b>				
Hours of Operation:	7am - 5pm	8am - 5pm	7:30am - 4:30am	7am - 5pm
24HR Phone #	888-96-Fence	248 269 8888	734 777 0986	586 295 6435
Email:	sales@amerifence.com	brian@motorcityfence.com	ricknovak@sbcglobal.net	skeller@nationwidecos.com
<b>SITE INSPECTION:</b>	Yes	Yes	Yes	Yes
Date	9/22/2016	9/23/2016	9/23/2016	9/22/2016
<b>COMPLETION DATE:</b>	<b>November 30, 2016</b>			
Can Meet	Yes	Yes	Yes	Yes
	Based upon submittals by the 2nd week of Oct., material lead time is 4 wks.			
Cannot Meet				
Offers				
Work Shall Commence	7 Days after notice to proceed.	30 days after notice to proceed	30 days after notice to proceed	27 days after notice to proceed
<b>REFERENCES:</b>	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes
<b>INSURANCE:</b>	Can Meet			
	Cannot Meet			
<b>ACKNOWLEDGEMENT SIGNED: Y OR N</b>	Yes	Yes	Yes	Yes
<b>PAYMENT TERMS:</b>	Net30 Days	Net30 Days	Net30 Days	Net30 Days

Opening Date -- 9/30/2016  
Date Reviewed -- 9/30/2016

CITY OF TROY  
QUOTE SUMMARY  
FENCING FOR POLICE DEPARTMENT

RFQ-COT 16-32  
Page 2 of 2

**EXCEPTIONS:**

**QUESTIONNAIRE:** Attached Y or N

**SCHEDULE OF VALUES:** Y or N

**FORMS COMPLETED:**

Legal Status of Bidder: Y or N

Non-Collusion Affidavit: Y or N

Certification regarding Debarment: Y or N

American Fence & Supply Co., Inc.	Motor City Fence	Industrial Fence & Landscaping, Inc.	RMD Holdings, Ltd. dba Nationwide
Warren, MI	Troy, MI	Detroit, MI	Chesterfield, MI
None	Access control systems, all power & control wiring & conduit by Simplex- Grinnell, the City to provide.	None	None
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes

**ATTEST:**

Kurt Bovensiep

Arinze Okafor

\_\_\_\_\_  
MaryBeth Murz,  
Purchasing Manager





## CITY COUNCIL AGENDA ITEM

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Date: October 4, 2016

To: Brian Kischnick, City Manager

From: Gary Mayer, Police Chief  
Tom Darling, Financial Services Director  
MaryBeth Murz, Purchasing Manager  
Kurt Bovensiep, Public Works Director

Subject: Budget Amendment and Bid Waiver - Police Department Perimeter Fencing

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### **History**

At the City of Troy Regular City Council meeting on August 8, 2016, City Council provided consensus to City Manager Kischnick to direct staff on ways to ensure the safety of Troy Police Officers. Police Chief Gary Mayer surveyed his sworn and non-sworn staff for ideas to assist in officer safety. 107 employees responded to the survey with 54% of sworn officers and 29% of non-sworn personnel indicating exterior site security as an idea to improve officer safety.

On August 22, 2016, Chief Mayer presented these results and other suggestions. An estimate of \$150,000 was presented for perimeter fencing around the Police Department parking lot. Other similar proposals, other fencing projects, and industry professionals substantiated this estimate. City Council provided consensus to move forward with the fencing project, which included presenting a formal recommendation on total cost and vendor. City Council also expressed that officer safety is an urgent matter and directed city administration to take any allowable actions to expedite the procurement process.

Several constraints were considered when approaching this project. The topography around the parking lot is different in several locations, which does not allow for the same type of vehicle access gates at each location. Furthermore, with the parking lot having existing structures such as car ports, building entrances, and heating and cooling bunkers caused for the consideration of where snow is piled to ensure it did not negatively impact the gate operations. Existing pedestrian entrance points are not currently protected, which meant control wiring and electrical power would have to be provided to these new locations. There was also consideration for the design of the fencing to provide a higher level of security but without emphasizing the image.

### **Purchasing**

Members of the Police Department, Department of Public Works, and Purchasing Department worked together to formulate an expedited schedule to meet the stated urgency. Hubble, Roth and Clark (HRC), a City of Troy consultant firm was solicited to develop a schedule for the project engineering, design, and bid. The projected scheduled suggested installation would likely not take place until spring of 2017. Instead, the City of Troy team solicited four (4) local area vendors for an informal request for proposals. The project was described in a formal style bid document and provided opportunity for each vendor to meet with the city team to review the demands and constraints of the project. On September 30, 2016, four (4) proposals were received and reviewed.

The two lowest bidders, one of which is a Troy based company, only provided the fencing, vehicle access gates, and pedestrian gates but indicated the integration to the existing control access points and all the necessary electrical and wiring would be the responsibility of the City of Troy. This caused the team to add an additional \$70,000 to the two bids to establish a comparable proposal. After this consideration, Industrial Fence and



## CITY COUNCIL AGENDA ITEM

Landscape Inc. was the lowest bidder meeting the demands for high speed vehicle gates with integration, 5 year warranty on the gate actuating motors, and a 15 year warranty on a higher quality fence.

### Financial

Staffs 2016 estimate (Year End June 30, 2016) indicated an Unassigned Fund Balance of 39% of expenditures. The City Council policy is to remain between 20 and 30 percent of expenditures. On September 26, 2016, City Council resolved to appropriate \$2.6 million from the General Fund to the Capital Fund for Local and Major Road improvements (**RESOLUTION- 2016-09-167**). This transfer reduced the Unassigned Fund Balance to an estimated 35%. The information to City Council also indicated an opportunity to transfer the remaining \$1.5 million from the General Fund to the Capital Fund for future projects as a second step to be compliant with the current policy.

This agenda item allocates \$254,560 for Industrial Fence and Landscape's proposal to install perimeter fencing around the Police Department parking lot, five (5) vehicle access gates with card access controls (3 inbound gates and 2 outbound gates), and three (3) pedestrian access gates (2 pedestrian gates include card access control wiring). In addition to the total, City Administration recommends an additional 10% above the proposed price for contingencies for a total of \$280,000.

### Recommendation

City management recommends an appropriation to transfer from the General Fund to the Capital Projects in the amount of \$280,000 along with the associated expenditure to the Capital Projects Fund for Police Department Perimeter Fencing. City management also recommends awarding a contract to *Industrial Fence & Landscaping, Inc., of Detroit, MI* for an estimated cost of \$254,560 with a 10% contingency for an estimated total of \$280,000 for the installation of perimeter fencing around the Police Department parking lot, five (5) vehicle access gates with card access controls (3 inbound gates and 2 outbound gates), and three (3) pedestrian access gates (2 pedestrian gates include card access control wiring).

### Quote Process

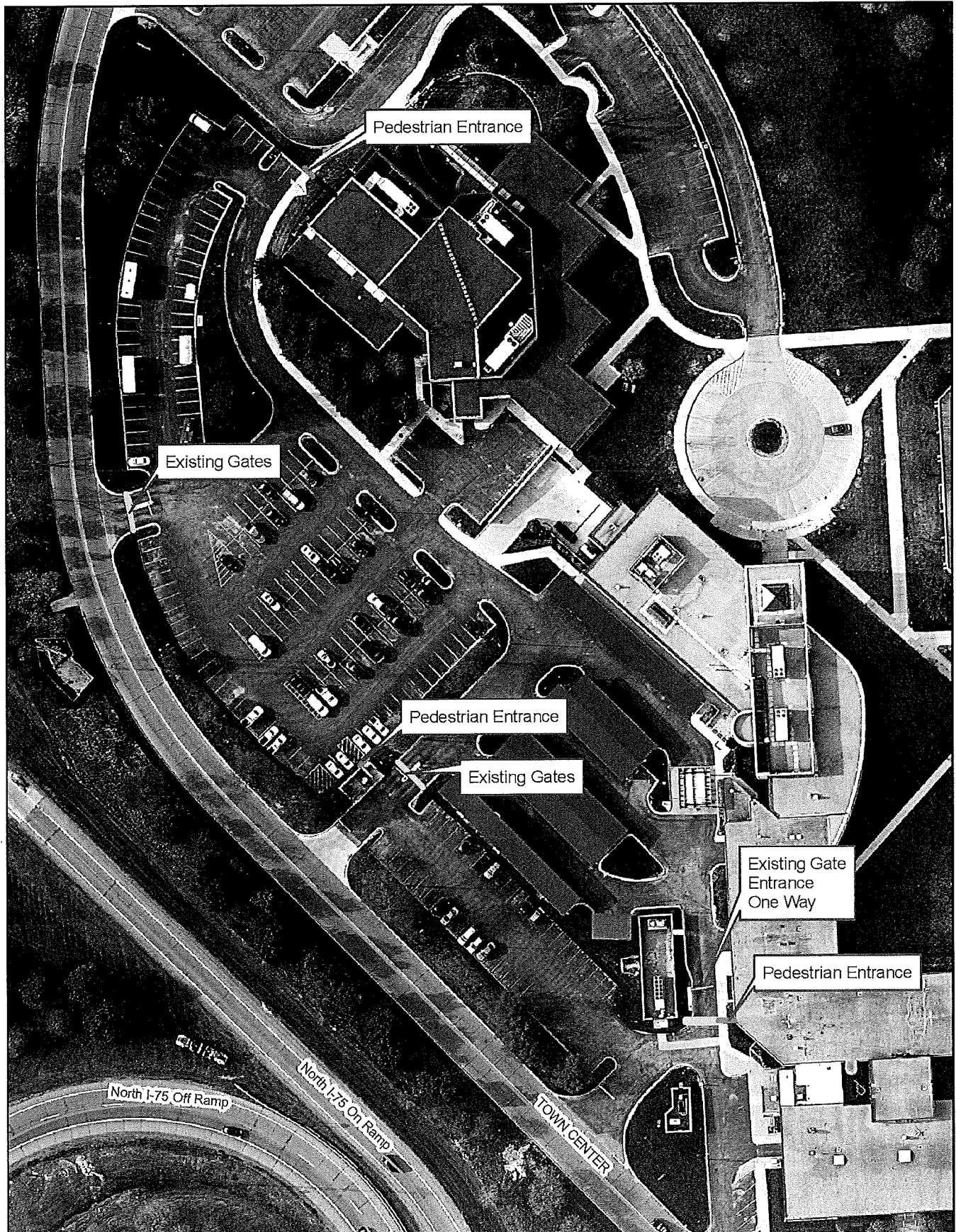
comparative price quotations

- competent, quotes lowest price.
- prospective suppliers in person, by phone or email comm.

### Bid Process

solicit comp. bids, specs / SOW  
advertised  
Council approval

## CITY COUNCIL AGENDA ITEM





**CITY OF TROY  
QUOTE PROPOSAL**

RFQ-COT 16-32

Page 1 of 7

The undersigned proposes to **FURNISH ALL EQUIPMENT, MATERIAL AND LABOR TO INSTALL NEW FENCING AND VEHICLE/PEDESTRIAN GATE ACCESS POINTS FOR THE CITY OF TROY POLICE DEPARTMENT** in accordance with the attached specifications. The specifications are to be considered an integral part of this bid proposal, at the following prices:

COMPANY NAME: Industrial Fence & Landscaping, Inc.

The document contains the following sections:

Instructions to Bidders (2 pages)	Forms (4 forms)
Quote Proposal (6 pages)	Specifications (38 pages)
Vendor Questionnaire (2 pages)	Sample Insurance Certificate (2 page)
Schedule of Values (1 page)	Public Act 57 (2 pages)
	Statement of No Bid (1 page)

**PROPOSAL: POLICE DEPARTMENT FENCING AND VEHICLE/PEDESTRIAN GATE ACCESS POINTS**

Furnish all equipment, material and labor to install new fencing as indicated in the attached specifications at the Police Department.

**COMPLETE FOR THE SUM OF: \$** 251,879.00

Provide detailed warranty information:

**WARRANTY:** 2 year labor, 10 year manufacturer

**SCHEDULE OF VALUES:**

The City of Troy may be required to add or delete work due to unforeseen circumstances. Therefore, a unit price schedule shall be attached to your quote document at the time of quote submission which indicates unit prices for all items to be used during the course of the project. All unit prices shall include the labor.

**A SCHEDULE OF VALUES FORM IS ATTACHED AND MUST BE COMPLETED AND RETURNED WITH THE BID AT THE TIME OF SUBMISSION.**

**NOTE:** All items of work noted in the specifications that are not specifically noted in the bid proposal shall be considered as included in the contract and shall be completed at no extra cost to the City of Troy.

It shall be the bidder's responsibility to take exact measurements during a site inspection.

**INFORMATION:**

For additional general information or questions concerning this project please contact **MaryBeth Murz, Purchasing Manager**, at (248) 680-7291 between the hours of 8:00 a.m. and 4:00 p.m., Monday thru Friday.

**DESIGNATED CITY REPRESENTATIVE:**

Kurt Bovensiep, Public Works Director at (248) 524-3489 or k.bovensiep@troymi.gov is the designated City Representative for this project.

**CONTACT INFORMATION:**

Hours of Operation: 7:30 am - 4:30 pm 24 Hour Phone No. 734-777-0986  
Contact Person: Rick Novak Email: ricknovak@sbcglobal.net

**SITE INSPECTION:**

All bidders shall examine the site in addition to the meeting explaining the project with the City Representatives to determine the amount of work to be done in accordance with the specifications. If a bidder does not make a site inspection, that bidder accepts full responsibility and risk for any errors or omissions in his/her bid proposal. Because this is a secure area contact **Mr. Kurt Bovensiep** at (248) 524-3489 or [k.bovensiep@troy.mi.gov](mailto:k.bovensiep@troy.mi.gov) to schedule a site visit between the hours of 8:00 am - 4:00 pm, Monday through Friday.

- ( X ) Our company visited the site on 9/23/2016.  
( ) Our company did not visit the site.

**DOWNPAYMENTS AND PREPAYMENTS:**

Any bid submitted which requires a down payment or prepayment for services prior to performance and acceptance, as being in conformance with specifications will not be considered for award. No payments will be made until work/ service is performed to the satisfaction of the authorized City representative.

**APPROVED ALTERNATES:**

The City of Troy's designated department representative or his/her designee will review all items submitted for consideration as approved alternates. Their decision as acceptability will be deemed in the City of Troy's best interest and will be final.

**MATERIAL AVAILABILITY:**

Bidders must accept responsibility for verification of material availability, production schedules, and other pertinent data prior to submission of their bid, and confirm delivery times. It is the responsibility of the bidder to notify the City immediately if items specified are discontinued, replaced, or not available for an extended period of time.

**LABOR:**

Prevailing wages are not required for this project.

**DELIVERY:**

Materials are not to be delivered to the site until work is to commence. Secure storage space will not be available for long-term storage. All materials are to be F.O.B. delivered, freight paid to the work location in the City of Troy in accordance with the attached specifications.

**QUALIFICATION OF MANUFACTURER:**

The Fencing Products Manufacturer will be a company specializing in the manufacturing of commercial quality industrial decorative fencing with a minimum of ten years experience.

**SAMPLES:**

Actual samples of quoted material may be requested at the discretion of the City of Troy's designated representative. Samples will be provided at no cost to the City and will become the property of the City of Troy. Submitted samples may be used for testing purposes.

**AWARD:**

The evaluation and award of this quote shall be a combination of factors, including but not limited to: cost, professional competence, equipment, references, submission of the schedule of values, and the correlation of the proposal submitted to the needs of the City of Troy.

The City of Troy reserves the right to award this bid to the lowest responsible total bidder meeting specifications; to reject low bids which have major deviations from specifications; to accept a higher bid which has only minor deviations; whatever is deemed to be in the City's best interest.

COMPANY NAME: Industrial Fence & Landscaping, Inc.

**LOCAL PREFERENCE:**

The City of Troy reserves the right to award a contract to a local business, one which pays City of Troy taxes (real and/or personal), if the bid of a local vendor is within 5% of the lowest responsive and responsible non-local bidder, then the local vendor is given one chance to match the low bid.

**BID DEPOSIT AND FORFEITURE:**

The bid deposit of the lowest bidder shall be forfeit if, after bid opening, a change in the bid price or other provision of the bid is required by the bidder that is prejudicial to the interest of the City of Troy or fair competition.

**CONTRACT FORMS:**

Bidders should complete the Legal Status of Bidder, Non-Collusion Affidavit and Certification regarding Debarment forms and return with their bid proposal.

**PUBLIC ACT 57:**

Public Act 57 requires contractors to provide certain notices to governmental entities concerning improvements on real property; to allow for modifications of contracts for improvement of real property; to provide for remedies; and to repeal acts and parts of acts. This contract shall comply with all applicable provisions of Public Act 57 [a copy of the act is attached for reference (2 pages)].

**SUBCONTRACTORS:**

The undersigned agrees to submit a list of proposed subcontractors, if applicable, for approval by the designated City representative within 72 hours after notification of being the low qualified bidder. It will be understood that this may occur prior to bid award, but the bidder's status will not be final until approved by the Troy City Council.

It will be the successful bidder's responsibility to ensure that any subcontractor performing work on this project is capable of doing the work as specified. The designated City representative retains the right to evaluate the work performed by or on behalf of the successful bidder and reserves the right to reject any work performed that is not in accordance with the specifications or is considered to be poor workmanship. Payment will not be made until the successful bidder has corrected any deficiencies found to the satisfaction of the designated City representative.

**PURCHASE ORDER:**

After the Troy City Council has approved the award recommendation and acceptable insurance is received, the successful bidder will receive a purchase order issued from the City of Troy, which will create a bilateral contract between the City of Troy and the successful bidder. The purchase order shall commit the bidder to perform the contract in accordance with specifications. A contract document will not be issued.

**COMPLETION DATE:**

Once the Contractor moves supplies and materials to the work site, work shall commence upon notice to proceed and shall be completed by **November 30, 2016 or a future date authorized by the City Representative**. The City of Troy is the only party to this contract that may authorize amendment to this schedule.

- ☒ Our Company can meet this delivery / installation schedule  
☐ Our company cannot meet this delivery / installation schedule but offers:

Work shall commence 30 calendar days after notice to proceed.

COMPANY NAME: Industrial Fence & Landscaping, Inc.

**REFERENCES:**

The City of Troy requires that your company list at least three (3) clients who have recently had similar work and material installed by your company. If your company has done work for the City of Troy in the past, it is required the City be listed as one of your references.

COMPANY: Marathon Petroleum  
ADDRESS: 1001 South Oakwood, Detroit, MI 48217  
PHONE: 313-297-6119 CONTACT: Kelly Cook  
EMAIL: kdcook@marathonpetroleum.com

COMPANY: KEO & Associates  
ADDRESS: 18286 Wyoming, Detroit, MI 48221  
PHONE: 313-340-1680 CONTACT: Michelangelo Cereghino  
EMAIL: mcereghino@keoassoc.com

COMPANY: FCA - Chrysler Warren Truck Plant  
ADDRESS: 21500 Mound Road, Warren, MI 48091  
PHONE: 586-755-9946 CONTACT: Mike Linden  
EMAIL: mike.linden@fcagroup.com

**IMPORTANT:**

The City shall have the right to require by written order, changes in, additions to, or deductions from the work required by the bid documents provided that if changes, additions, or deductions are made, the general character of the work as a whole is not changed thereby. Adjustments in the Contract price, if any, because of any change, addition, or deduction in the work, shall be determined as hereinafter provided, and any claim for extension of time for completion shall be adjusted at the time of ordering the changes, additions, or deductions.

No claim for change, addition, or deduction, or adjusting of price, or extension of time for completion thereof, shall be made or allowed unless done in pursuance of written order from the City specifically authorizing such change, addition, or deduction. Drawings without a written order shall not be considered such authority. Written notice of such claims shall be made to the designated City representative before the commencement of the work. Where the written order diminishes the quality of work to be done, this shall not constitute a basis for a claim for damages or anticipated profits on the work that may be dispensed with.

COMPANY NAME: Industrial Fence & Landscaping, Inc.

Insurance requirements shall be in accordance with the attached **SAMPLE INSURANCE CERTIFICATE and ENDORSEMENT**. The required Insurance Certificate and Endorsement must be submitted to the city within 5 days of the verbal/ electronic request after the bid award. The Insurance Certificate and Endorsement may be faxed to the Purchasing Office at (248) 619-7608, and is the only bid document accepted in this format.

The contractor, or any of their subcontractors, shall not commence work under this contract until they have obtained the insurance required, and shall keep such insurance in force during the entire life of this contract. All coverage shall be with insurance companies licensed and admitted to business in the State of Michigan and acceptable to the City of Troy. The requirements below should not be interpreted to limit the liability of the Contractor. All deductibles and self-insured retentions (SIR's) are the responsibility of the Contractor.

☒ We can meet the specified insurance requirements.

☐ We cannot meet the specified insurance requirements.

☐ We do not carry the specified limits but can obtain the additional insurance coverage of \$ \_\_\_\_\_, at the cost of \$ \_\_\_\_\_. NOTE: Please note the amendments on a sample insurance certificate and attach it to your bid proposal.

☐ Our proposal is reduced by \$ \_\_\_\_\_ if we lower the requirement to \$ \_\_\_\_\_. NOTE: Please note the amendments on a sample insurance certificate and attach it to your bid proposal.

**IMPORTANT:** A Certificate of Insurance on an ACORD Form showing present coverage as well as the required endorsements SHALL be attached to the proposal document at the time of submission of the proposal to the Office of the City Clerk.

**NOTE:** Failure on the part of any bidder to contact his/her insurance carrier to verify that the insurance carried by the bidder meets City of Troy specifications may result in this proposal being completed incorrectly.

**OTHER:** Sole proprietors must execute a certificate of exemption from Worker's Compensation requirements or provide proof of Worker's Compensation Insurance. All coverage shall be with insurance carriers licensed and admitted to do business in Michigan in accordance with all applicable statutes of the State of Michigan and acceptable to the City of Troy.

**INSURANCE VERIFICATION:**

A bidder shall complete the above portion, which details additional costs that may be incurred for specified coverage without purchasing the additional coverage prior to bid submission.

**WORKERS' COMPENSATION INSURANCE,** including Employers' Liability Coverage, in accordance with all applicable statutes of the State of Michigan.

**COMMERCIAL GENERAL LIABILITY INSURANCE** on an "Occurrence Basis" with limits of liability not less than \$1,000,000.00 per occurrence and aggregate. Coverage shall include the following extensions: (A) Contractual liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent, if not already included; (E) Deletion of all Explosion, Collapse, and Underground (XCU) Exclusions, if applicable.

**AUTOMOBILE LIABILITY,** including Michigan No-Fault Coverages, with limits of liability not less than \$1,000,000.00 per occurrence combined single limit for Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.

COMPANY NAME: Industrial Fence & Landscaping, Inc.



**ADDITIONAL INSURED:**

Commercial General Liability and Automobile Liability, as described in the attached SAMPLE shall include an Additional Insured Endorsement stating the following shall be *Additional Insureds*: The City of Troy including all elected and appointed officials, all employees and volunteers, all boards, commissions, and/or authorities and council members, including employees and volunteers thereof. It is understood and agreed by naming the City of Troy as additional insured, coverage afforded is considered to be primary and any other insurance the City of Troy may have in effect shall be considered secondary and/or excess.

**CANCELLATION NOTICE:**

All policies, as described above, shall include an endorsement stating that it is understood and agreed that Thirty (30) days, Ten (10) days for non-payment of premium, Advance Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change shall be mailed to:

City of Troy  
Purchasing Manager  
500 West Big Beaver  
Troy, MI 48084

**PROOF OF INSURANCE COVERAGE:**

The Contractor shall provide the City of Troy, at the time that the contracts are returned by him/her for execution, a Certificate of Insurance as well as the required endorsements. In lieu of required endorsements, if applicable, a copy of the policy sections where coverage is provided for additional insured and cancellation notice would be acceptable. Copies or certified copies of all policies mentioned above all shall be furnished, if so requested.

If any of the applicable coverages expire during the term of this contract, the Contractor shall deliver renewal certificates and endorsements to the City of Troy at least ten (10) days prior to the expiration date.

**LETTER VERIFICATION:**

The recommended bidder will be notified to submit a letter from the *insurance agent or carrier* that the insurance to be supplied will meet specifications. As an alternative, the recommended bidder may submit the certificate of insurance meeting specifications at this time at his/her option. *The City must receive this letter or certificate within 5 business days after verbal / electronic notification has been delivered to the recommended bidder or the bidder will be considered non-responsive and the bid un-awardable.* This process will occur before presentation of the award recommendation to the Troy City Council.

**FINAL INSURANCE CERTIFICATE SUBMISSION:**

After approval by Troy City Council, the City's Purchasing Manager will review the insurance certificates and endorsements to ensure all acceptable documents have been received and allow (5) business additional days after verbal / electronic notification to submit final insurance certificate(s) in accordance with specifications. The City of Troy reserves the right to WITHHOLD AND KEEP any bid surety for failure to comply. The company will be considered in default of contract and will be barred from doing business with the City of Troy for a minimum of three (3) years for failing to meet insurance requirements.

COMPANY NAME: Industrial Fence & Landscaping, Inc.

## SIGNATURE PAGE

**PRICES:**

Prices shall remain firm for 60 days or bid award, whichever comes first, except the successful bidder whose prices shall remain firm through project completion.

SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE: \_\_\_\_\_

**NOTE:**

The undersigned has checked carefully the bid figures and understands that he/she shall be responsible for any error or omission in this bid offer and is in receipt of all addenda as issued.

TAX ID: 38-1895973

COMPANY: Industrial Fence & Landscaping, Inc.

ADDRESS: 12030 Pleasant St. CITY: Detroit STATE: MI ZIP: 48217

PHONE: ( ) 313-297-2997 FAX NUMBER: ( ) 313-297-7233

REPRESENTATIVE NAME: George Fulmer - Vice President  
(Print)

SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE: \_\_\_\_\_

PAYMENT TERMS: Net 30 Days WARRANTY: 1 Year Labor, 10 Years Manufacturer

CHECK INCLUDED: \_\_\_\_\_ E-MAIL: gtfulmer@industrialfenceco.com

COMPLETION: IN ACCORDANCE WITH SPECIFICATIONS.

**EXCEPTIONS:**

Any exceptions, substitutions, deviations, etc. from the City of Troy specifications and this proposal must be stated below and reason for, and are an integral part of this bid proposal offer.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ACKNOWLEDGEMENT:**

I, George Fulmer, certify that I have read the *Instructions to Bidders* (2 Pages) and that the bid proposal documents contained herein were obtained directly from the City's Purchasing Department.

SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE: \_\_\_\_\_

**IMPORTANT:**

All City of Troy purchases require a MATERIAL SAFETY DATA SHEET, where applicable, in compliance with the MIOSHA "Right to Know" Law. Please include a copy of any relevant MSDS at the time of bid submission. N/A

**NOTE:**

The City of Troy, at their discretion, may require the bidder to supply a Financial Report from an impartial Financial Credit Reporting Service before award of contract.

**U.S. FUNDS:**

All prices are to be quoted in U. S. Currency.



### VENDOR QUESTIONNAIRE

Please provide the following information and submit with your bid proposal:

FIRM NAME: Industrial Fence & Landscaping, Inc.

TYPE OF ORGANIZATION: (Circle One)

- a. Individual
- b. Partnership
- c. Corporation
- d. Joint Venture
- e. Other \_\_\_\_\_

If applicable:

FORMER FIRM NAME(S)

N/A

NOTE: If additional space is needed throughout the questionnaire, please attach additional sheets numbered appropriately for identification.

1. Have you owned or operated a company that declared Chapter 7 during the last ten (10) years?

( ) Yes When: \_\_\_\_\_ ☒ No

2. How many years of experience do you have installing fencing?

47 Years

3. Evidence that your company is licensed to do business in the State of Michigan.

N/A

4. Please provide a list of all open contracts your company currently holds. Include contact name, organization, type, size, required date of completion, percentage of completion to date of each job and value of each contract.

Organization/Contact Name	Type/Size	Date	Percentage	Value
<u>Marathon Petroleum</u>	<u>Ornamental Fence</u>	<u>2016</u>	<u>100%</u>	<u>\$601,665.00</u>
<u>KFO &amp; Associates</u>	<u>Fence/Gates</u>	<u>2016</u>	<u>80%</u>	<u>\$190,896.00</u>
<u>Detroit Job Corps</u>	<u>Ornamental Fence</u>	<u>2016</u>	<u>100%</u>	<u>\$199,883.00</u>

5. List the number and types of equipment to be used for this project; if awarded this bid. (Attach itemized list that is marked \_\_\_\_\_ for identification if more space is required.)

(2) Service Trucks

(1) Skid Steer

6. If applicable, list all proposed subcontractors to be used in the performance of this contract and the work to be performed by each. Include a complete list and references of all subcontractors.

International Controls & Equipment - Install Gate Operators

7. Provide a project schedule based on starting the work within ten (10) days after receiving "Notification to Proceed".

8. List Tradesmen who would specifically be assigned to this project. Provide years of experience, areas of expertise, and/or list any additional training classes taken to increase expertise in this field for the people listed in this section who will be assigned to project.

TITLE	NAME	TRADE	EXPERIENCE / YEARS
Foreman	Vinnie Tocco	Iron Worker	10 Year
Journeyman	Derrick Washington	Iron Worker	10 Year
Foreman	Andrew Purdy	Iron Worker	7 Year
Journeyman	Frank Ridder	Iron Worker	14 Year

9. Provide name and contact information of the manufacturer that will be supplying the fencing materials for this project. The Fencing Products Manufacturer will be a company specializing in the manufacture of commercial quality industrial ornamental fencing with a minimum of ten years experience.

Ameristar Fence Products, Robert Miller 586-747-7819

8. Provide manufacturer's catalog cut sheets with printed specifications including certification of compliance with material specifications for the materials being bid on this project.

( ) Material specifications marked \_\_\_\_\_ for identification.

THE FOREGOING QUESTIONNAIRE IS A TRUE STATEMENT OF FACTS:

Signature of Authorized Company Representative:



Company:

Industrial Fence & Landscaping, Inc.

Address:

12030 Pleasant St., Detroit, MI 48217

Phone Number:

313-297-2997

Representative's Name:

George Fulmer - Vice President

Date:

9/30/2016



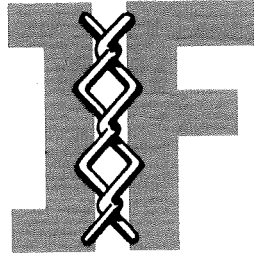
## SCHEDULE OF VALUES

Your company **MUST** complete and submit this form with your bid proposal.

Equipment/Materials List	Manufacturer/ Model #	Unit of Measure	Unit Cost	Cost of Installation / Unit
Ornamental Fence	Ameristar		\$	\$
	Aegis II	1200 LF	\$ 100.00	\$ 120,000.00
			\$	\$
Sliding Gate	Elite Fence		\$	\$
	Zip Track	3 ea.	\$ 4,000.00	\$ 12,000.00
			\$	\$
Vertical Pivot Gate	Ideal Manufacturing		\$	\$
	HYJD	2 ea.	\$ 36,000.00	\$ 72,000.00
			\$	\$
Pedestrian Gate	Ameristar		\$	\$
	Aegis II	3 ea.	\$ 5,000.00	\$ 15,000.00
			\$	\$
Sliding Gate Operator	Lift Master		\$	\$
	SL595	3 ea.	\$ 10,000.00	\$ 30,000.00
			\$	\$
			\$	\$
			\$	\$
			\$	\$
			\$	\$
			\$	\$
			\$	\$

Note: Individual equipment prices and labor costs to install those items are requested if changes are needed during completion of the project.

COMPANY NAME: Industrial Fence & Landscaping, Inc.



Area Code: (313) 297-2997  
Fax: (313) 297-7233

# INDUSTRIAL FENCE

12030 PLEASANT STREET • DETROIT, MICHIGAN 48217  
CERTIFIED W.B.E.  
CERTIFIED D.H.B.

September 30, 2016

City of Troy

Re: Police Department Security Fencing  
And Gates  
**Alternate – High Security Fence**

We are pleased to provide a quote for the following alternate scope of work:

- Furnish and install approx. 1200 lf of 6' high *Ameristar Impasse II* "Stronghold" High Security Pale Fence and gates (see detail). Includes three (3) pedestrian gates and five (5) motorized vehicle gates as shown on the bid package drawing.

***For the Sum of:      \$254,560.00***

Please call if you have any questions.  
Regards,

Richard Novak



# ***Certificate of Conformance***

*This will certify that, on this date,*

*the United States Department of Homeland Security granted to*

***Ameristar Fence Products, Inc.***

*an Oklahoma Corporation*

*a **Certification** for its*

*Impasse High Security Pale Fence*

*as an '**Approved Product for Homeland Security**' under the*

*Support Anti-terrorism by Fostering Effective Technologies Act of 2002 (the SAFETY Act).*

*RL*

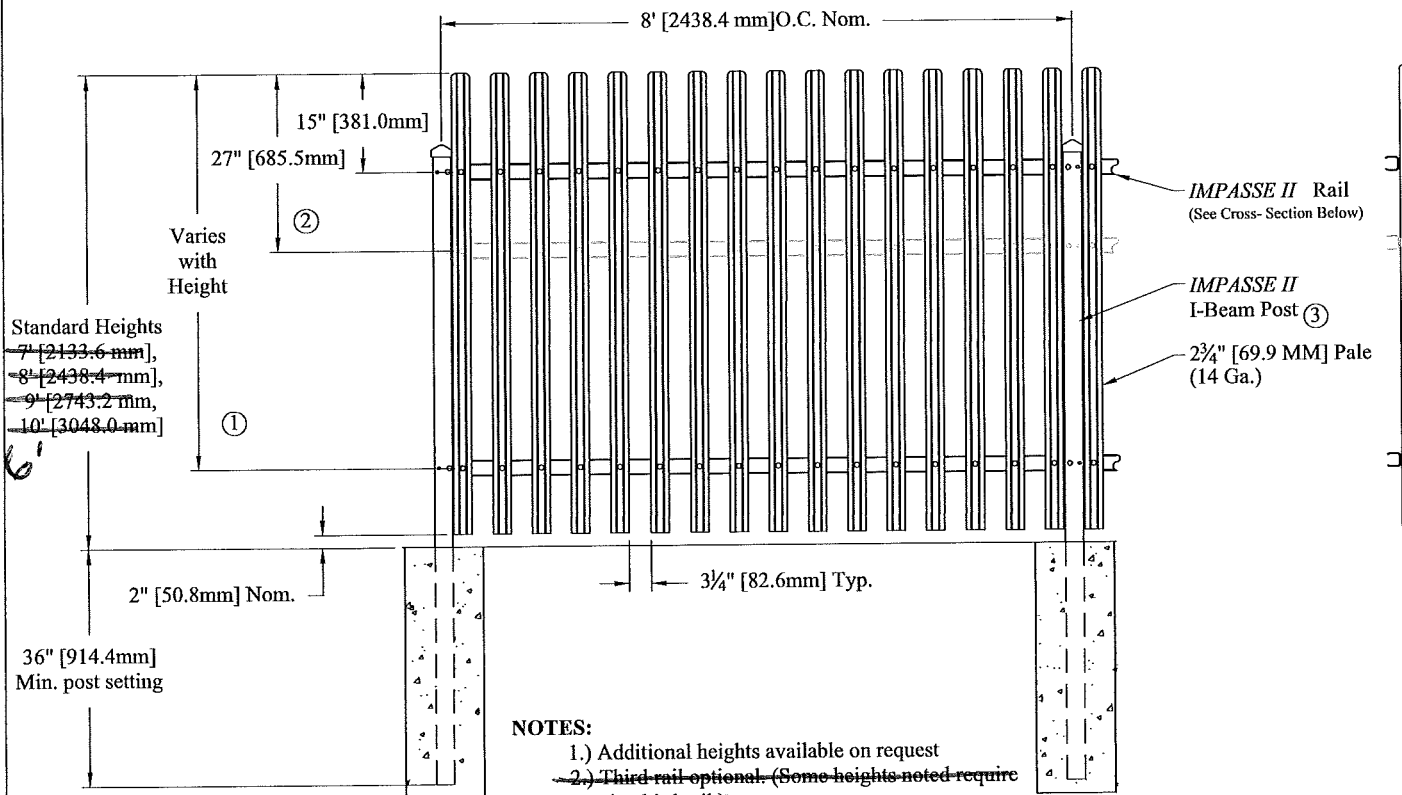
*6/7/11*

***Paul Benda***

***Date***

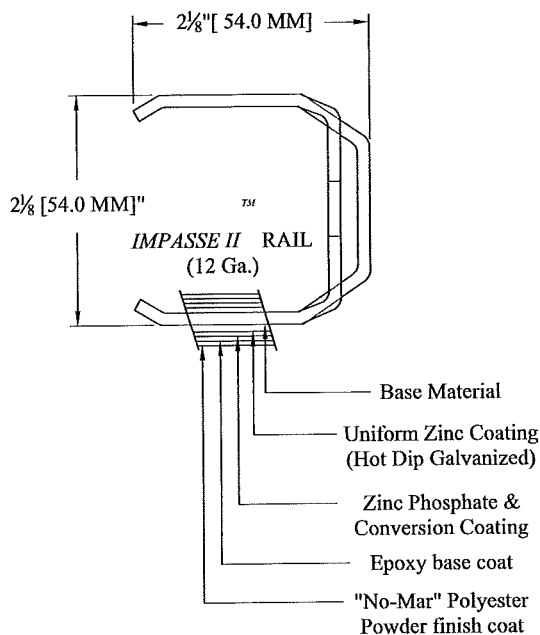
*Deputy Under Secretary for Science and Technology (Acting)*

Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.



#### NOTES:

- 1.) Additional heights available on request
- 2.) ~~Third rail optional. (Some heights noted require the third rail.)~~
- 3.) 3" [76.2 mm] x 12Ga. I-Beam recommended for 7' [2133.6 mm] & 8' [2438.4 mm] heights. 4" [101.6 mm] x 11Ga. I-Beam recommended for 9' [2743.2 mm] & 10' [3048.0 mm] heights.

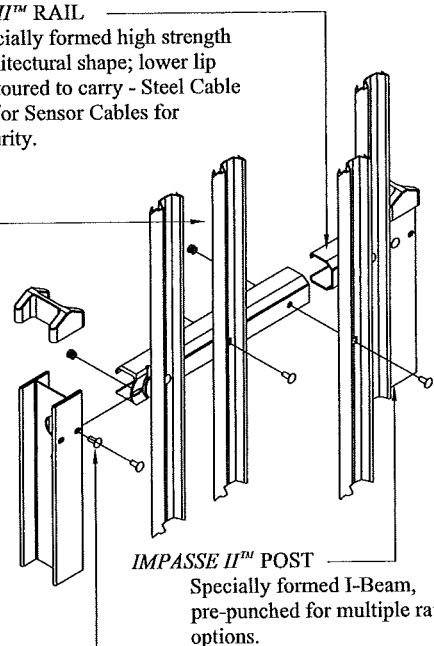


#### IMPASSE II™ RAIL

Specially formed high strength architectural shape; lower lip contoured to carry - Steel Cable and/or Sensor Cables for security.

#### IMPASSE II™ PALE

Specially formed high strength corrugated shape; resists prying or bending; bolt holes recessed to prevent chiselling of bolt head.



Specially formed I-Beam, pre-punched for multiple rail options.

### HIGH SECURITY STEEL FENCE

Title: IMPASSE II STRONGHOLD 2/3-RAIL

DR: KMc SH: 1 of 1 SCALE: DO NOT SCALE

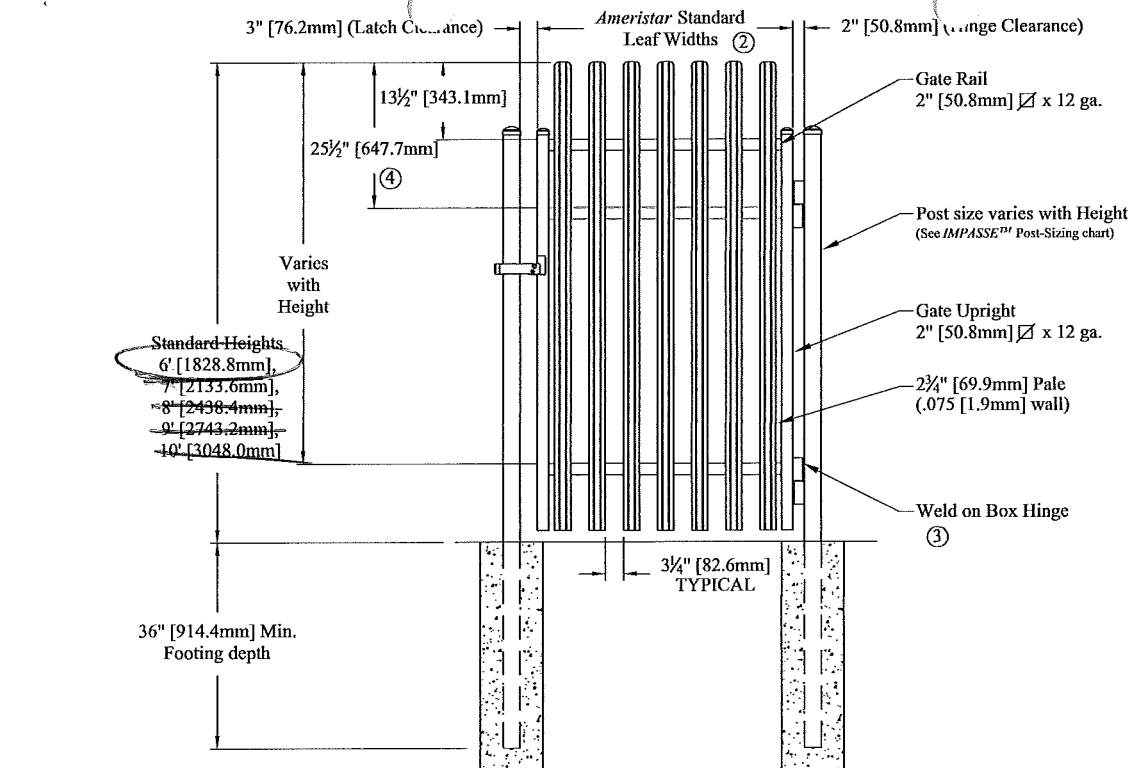
CK: Date 04/13/2015 REV: C



AMERISTAR®

1555 N. Mingo  
 Tulsa, OK 74116  
 1-888-333-3422  
 www.ameristarfence.com

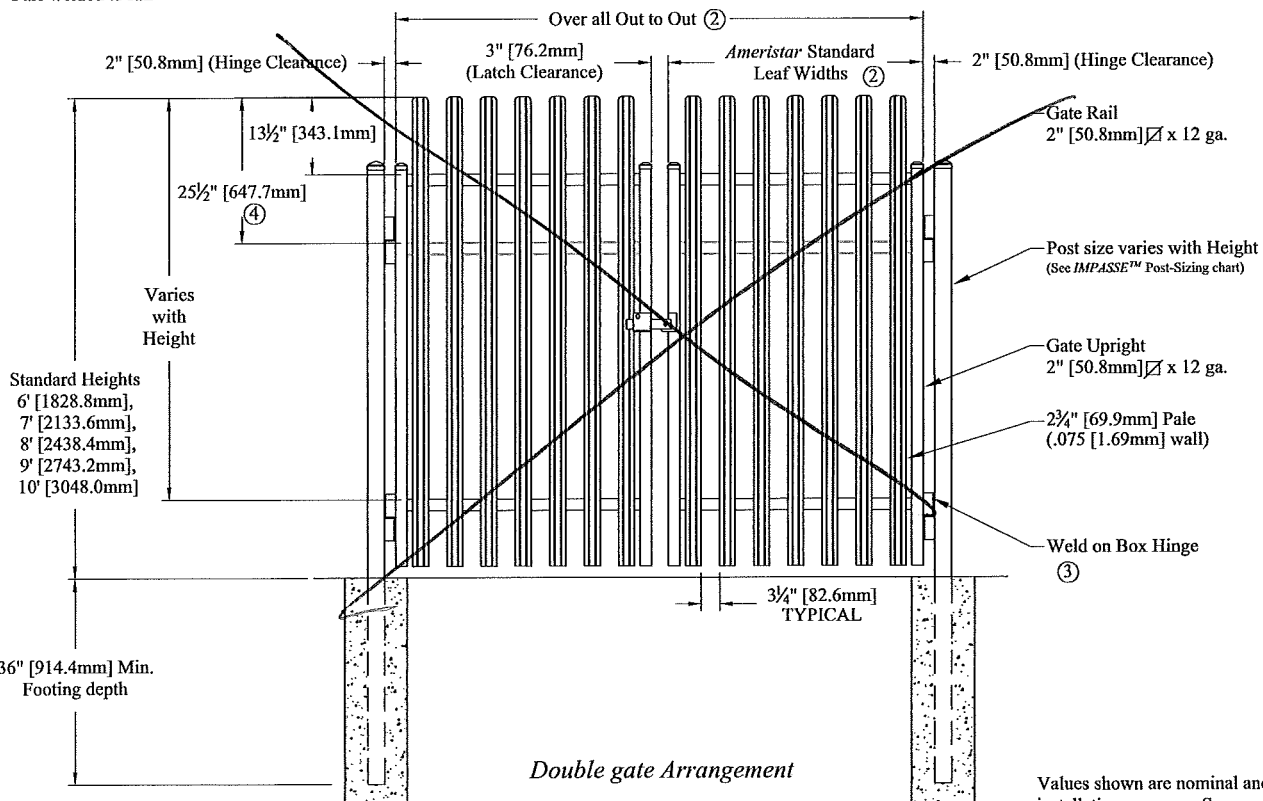




Single gate Arrangement

NOTES:

- 1.) Post size depends on fence height, weight and wind loads. See IMPASSE™ post sizing chart.
- 2.) See Ameristar gate table for standard out to outs. Custom gate openings available for special out to out/leaf widths.
- 3.) Additional styles of gate hardware are available on request. This could change the Latch & Hinge Clearance.
- 4.) Third rail optional. (Some heights noted require the third rail.)



Double gate Arrangement

Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

**HIGH SECURITY STEEL GATE**

Title: **IMPASSE STRONGHOLD 2/3-RAIL SGL & DBL GATE**

DR: KMc SH. 1 of 1 SCALE: DO NOT SCALE

CK: Date 04/22/2015 REV: E



**AMERISTAR®**

1555 N. Mingo  
Tulsa, OK 74116  
1-888-333-3422  
www.ameristarfence.com