

DATE: 8/04/2021

Page: 6

BID NO.: 50-00135348

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 8/24/22

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH ☒

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

10 Weeks ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Norfolk Bearings & Supply Co., Inc.

ADDRESS: 3512 E Princess Anne Rd

CITY, STATE: Norfolk, VA ZIP: 23502

TELEPHONE: (757) 853-3691 FAX: (757) 853-1233

EMAIL ADDRESS: Chris@NorfolkBearings.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 1 (MS)

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 48,040.00

AUTHORIZED
SIGNATURE: Christopher R Sturges

Christopher Sturges
Printed Name

TITLE: Director of Business Mgmt

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 8/04/2021

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 7

BID NO.: 50-00135348

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1,000.00	EA	<p>ONE TIME PURCHASE OF ONE THOUSAND LINKS OF THE CATENARY RAKE CHAIN FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS- DRAINAGE</p> <p>0010 ONE TIME PURCHASE OF ONE THOUSAND LINKS OF THE CATENARY RAKE CHAIN FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS-DRAINAGE</p> <p>*SPECS ATTACHED</p> <p>DELIVERY: AMES PUMP STATION WAREHOUSE 5100 ROCHESTER DR MARRERO, LA 70072 CONTACT: BEN LEPINE PHONE: 504-736-6759 EMAIL: BLEPINE@JEFFPARISH.NET</p> <p>MFR: Renold Chain</p>	48.04	\$48,040.00

SPECIFICATIONS FOR BID

ONE TIME PURCHASE OF CATENARY RAKE CHAIN

The intent of this specification is to define the minimum requirements of the Parish of Jefferson for the purchase 1,000 links of catenary rake chain.

Submittals:

The following is required with the bid submittal:

- A complete specification and submittal of all components of the chain

The following will be required upon request from the Drainage Department after the bid opening but prior to bid award.

- One copy of all link "Bill of Materials" of the unit's construction, cutaway drawings, and dimensions as offered to confirm compliance with the current chains.

Mere attachment of brochures covering standard manufactured equipment shall not be adequate.

Qualifications:

Steel must be American made.

Factory Assembly and Delivery:

Links shall come assembled in sections of 20 links each for shipping. Freight shall be included in base bid. The chains shall be delivered to the Ames pump station warehouse located at 5100 Rochester Drive, Marrero, LA 70072. All deliveries shall be made during normal operating hours between 7:00 AM and 3:00 PM Monday through Friday. Deliveries will not be accepted during Jefferson parish holidays.

Steel Certificate of origin is required with delivery of chains

Specifications:

The rake chains shall be matched strands of steel thimble roller chain having identical pitch and carbon steel straight side bars, and an ultimate strength of 40,000 pounds. The chains shall also have case-hardened steel thimbles, heat treated steel pins, and straight faced, hardened steel rollers with stainless steel cotter pins. Bushing, roller, and pin shall be CHT heat treated. No grease or oil, just plain links.

Basis of Design: Tsubaki D-963-R plain chain with SS t-head cotter pins.

Dimensions of chain shall match the following Figure 1 below and a picture of application is shown in Figure 2:

SPECIFICATIONS FOR BID

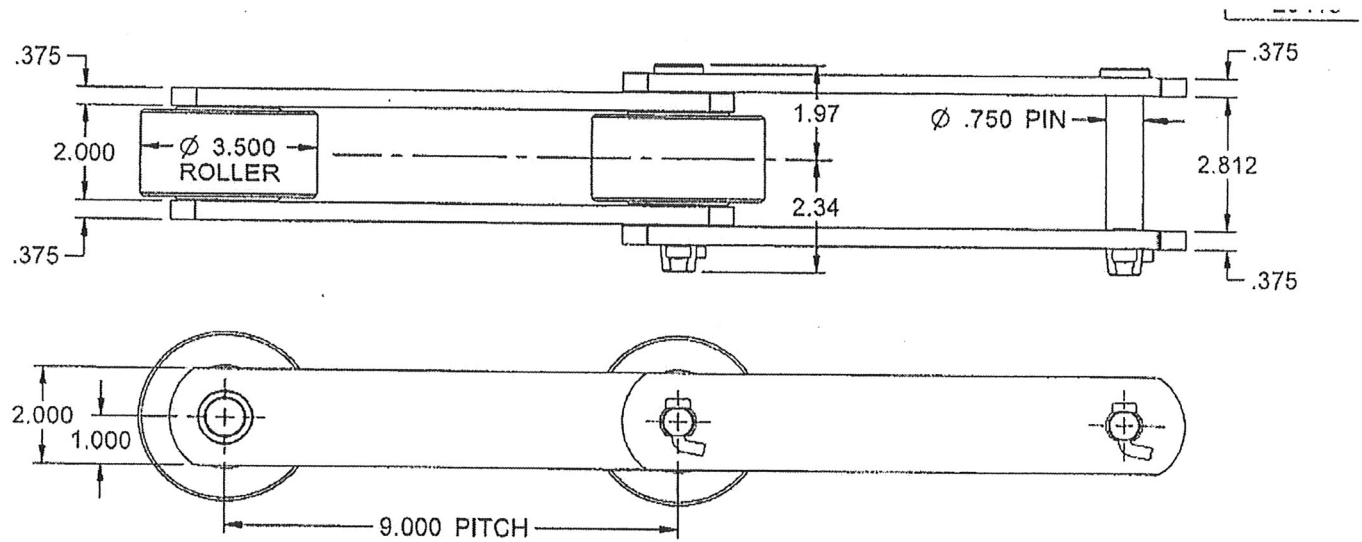


Figure 1: Chain Dimensions

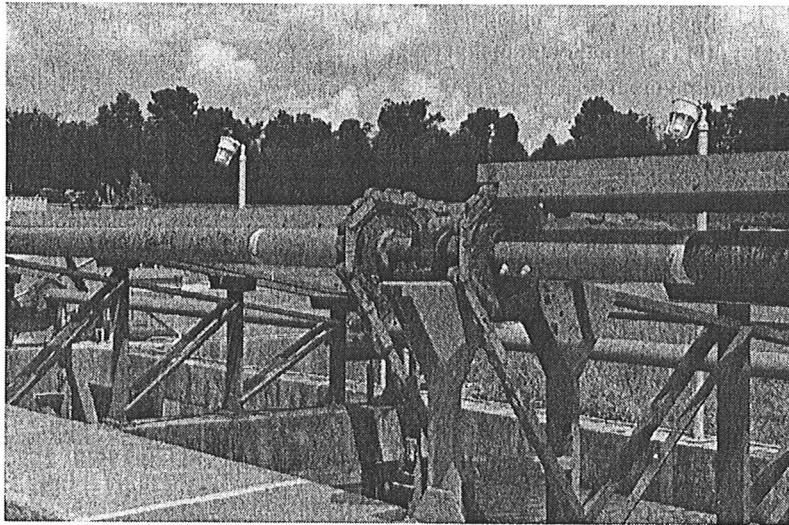


Figure 2: Picture of Chain application

Warranty:

1. Special Warranty: Manufacturer's warranty shall be provided

Non-Public Works Bid Affidavit Instructions

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- Affidavit must be notarized or the affidavit will not be accepted.
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant **MUST** select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF Virginia

PARISH/COUNTY OF Norfolk

BEFORE ME, the undersigned authority, personally came and appeared: L Sonathan
Dozier, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized President of Norfolk Beaches (Entity),
& Supply Co., Inc
the party who submitted a bid in response to Bid Number 50-00135348 to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required
attachment):

Choice A _____

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X

there are NO campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

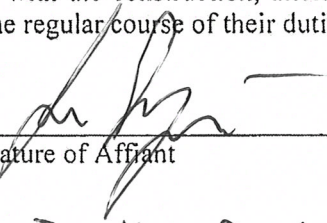
Choice B X There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

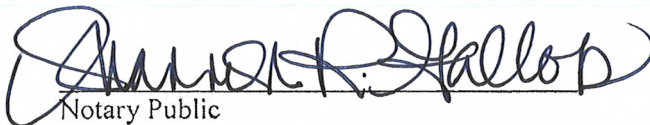


Signature of Affiant

L Jonathan Dozier

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 13th DAY OF August, 2021.



Notary Public

Shannon R. Gallob

Printed Name of Notary

7306449

Notary/Bar Roll Number



My commission expires 01/31/2022

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Norfolk Bearings & Supply Co., Inc.
INCORPORATED.

AT THE MEETING OF DIRECTORS OF Norfolk Bearings & Supply Co., Inc.
INCORPORATED, DULY NOTICED AND HELD ON Aug 13, 2021,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Christopher R Sturges, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

Christopher R Sturges
SECRETARY-TREASURER

August 13, 2021
DATE



JEFFERSON PARISH

DEPARTMENT OF PURCHASING

CYNTHIA LEE SHENG
PARISH PRESIDENT

RENNY SIMNO
DIRECTOR

September 2020

Changes to Jefferson Parish Bidding Information

The Jefferson Parish Purchasing Department would like to make vendors aware of the following changes:

Total Bid Price Must Include the Cost of Naming Jefferson Parish as Additional Insured:

Bidder acknowledges that Bidder recovered the cost of any required insurance in the contract price as required by La.R.S. 9:2780.1 and that Bidder recovered any such cost for the purposes of insuring an obligation to indemnify Jefferson Parish, defend Jefferson Parish, or hold Jefferson Parish harmless and that Bidder's indemnity liability is limited to the amount of the proceeds that are payable under the insurance policy or policies that Bidder has obtained.

Electronic Procurement: Beginning November 1, 2020, Jefferson Parish will no longer accept manual bid submissions; and will only accept bid submissions electronically via our e-Procurement system, Central Bidding. Central Bidding can be accessed by visiting either www.centralbidding.com or www.jeffparishbids.net. All bidders will be required to register with Central Bidding. Jefferson Parish vendors are able to register for free by accessing the following link:
<https://www.centraauctionhouse.com/registration.php>.

Probable Construction Cost: Per Jefferson Parish Administrative Policy, the probable construction cost is not revealed in the Jefferson Parish Bidding Documents. Jefferson Parish Administrative Policy has changed and a range of the probable construction cost will be stated in the Jefferson Parish bidding document, entitled Important Notice to All Bidders – Bid Requirements. Per Louisiana Public Bid Law, the probable construction cost will be read at the bid opening.

Insurance Requirement: All bidders must provide proof of valid insurance in the required amounts as stated in the Standard Insurance Requirements for bidding purposes. Failure to provide the proof of valid insurance in all of the required coverage amounts will result in bid rejection.

GENERAL GOVERNMENT BLDG. – 200 DERBIGNY ST., SUITE 4400, GRETN, LA 70053
OFFICE 504.364.2678

JOSEPH S. YENNI BLDG. – 1221 ELMWOOD PARK BLVD., SUITE 404, JEFFERSON, LA 70123
OFFICE 504.364.2678

EMAIL: PURCHASING@JEFFPARISH.NET WEBSITE: WWW.JEFFPARISH.NET



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/14/2020

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 have ADDITIONAL INSURED provisions or 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 Prosper Insurance 2929 Sabre Street Suite 200 Virginia Beach, VA 23452	CONTACT NAME: Mandy Scoville	
	PHONE (A/C, No, Ext): 757-614-1130 FAX (A/C, No): 757-486-1044	
	E-MAIL ADDRESS: comlines@prosper.insurance	
INSURED Norfolk Bearings and Supply Co. Inc P O Box 12825 Norfolk, VA 23502	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Selective Insurance Company	12572
	INSURER B : The Travelers Indemnity Company	25658
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES

CERTIFICATE NUMBER:

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	COMMERCIAL GENERAL LIABILITY			2404436	09/15/2020	09/15/2021	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR		DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000				
			MED EXP (Any one person) \$ 15,000				
			PERSONAL & ADV INJURY \$ 1,000,000				
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE \$ 3,000,000
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						PRODUCTS - COMP/OP AGG \$ 3,000,000
	OTHER:						\$
A	AUTOMOBILE LIABILITY			2404436	09/15/2020	09/15/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO		BODILY INJURY (Per person) \$				
	<input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY		BODILY INJURY (Per accident) \$				
	<input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		PROPERTY DAMAGE (Per accident) \$				
							\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB			2404436	09/15/2020	09/15/2021	EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> EXCESS LIAB	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE	AGGREGATE \$ 1,000,000				
	DED <input type="checkbox"/> RETENTION \$		\$				
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			SAI 7798R8229	09/15/2020	09/15/2021	PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y <input type="checkbox"/> N	E.L. EACH ACCIDENT \$ 500,000				
	If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	E.L. DISEASE - EA EMPLOYEE \$ 500,000				
			E.L. DISEASE - POLICY LIMIT \$ 500,000				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

The Jefferson Parrish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council
1221 Elmwood Pk. Blvd., Suite 315
Jefferson, LA 70123

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

Mandy Scoville

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Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

► Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type.
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. NORFOLK BEARINGS & SUPPLY CO., INC.		
2 Business name/disregarded entity name, if different from above		
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ► _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>	
5 Address (number, street, and apt. or suite no.) See instructions. 3512 E PRINCESS ANNE RD.	Requester's name and address (optional)	
6 City, state, and ZIP code NORFOLK, VA 23502		
7 List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number										
			-				-			
or										
Employer identification number										
5	4		-	1	5	5	3	8	0	5

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ► <i>Christopher R. Stinger</i>	Date ► <i>3/22/21</i>
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

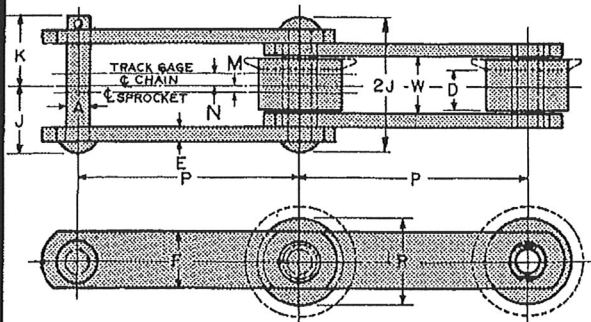
- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

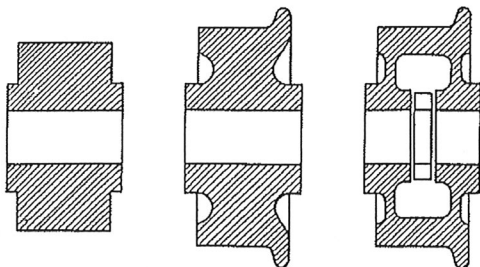
Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

Steel Thimble Roller Conveyor Chains



STYLE S

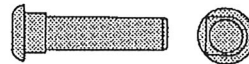


STYLE D

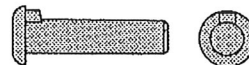
STYLE F

STYLE H

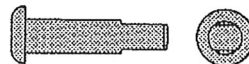
ROLLER STYLES



STYLE 1



STYLE 3



STYLE 6



STYLE 5



STYLE 7

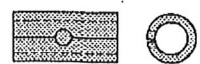
PIN STYLES



STYLE M



STYLE N



STYLE S-1

THIMBLE STYLES

A-1929-0

ABBREVIATIONS

CC—Carbon Steel—Case Hardened
CR—Cast Gray Iron—Chilled Rim
M—Medium Carbon Steel
MH—Medium Carbon Steel—Heat-Treated

Chain Number	Pitch in Inches P	Average Ultimate Strength in Lbs.	1 Rated Working Value in Lbs.	Avg. Wt. per Ft. in Lbs.	Dimensions in Inches																Thimble	Width Inside W
					Pin			Roller			Side Bar			Coup. Pin		M	N	Style	Mtl.			
					Dia. A	Style	Mtl.	Face D	Dia. R	Style	Mtl.	E	F	Mtl.	J					K		
1709	9.00	26,000	4300	8.0	5/8	1	MH	1 3/32	3	F	CR	1/4	2	M	1 19/32	1 3/4	3/16	3/16	M	CC	1 5/8	
IS911	9.00	29,000	4600	8.5	5/8	*7	MH	...	3	D	CR	5/16	2	M	1 39/64	1 53/64	...	...	S-1	CC	1 1/2
809	9.00	33,000	5500	13.0	3/4	1	MH	1 3/8	3 1/2	F	CR	1/4	2 1/2	M	1 53/64	1 61/64	1/4	3/8	M	CC	2 1/32	
922	9.00	41,000	7200	13.2	3/4	1	MH	1 3/8	3 1/2	F	CR	3/8	2	M	1 63/64	2 11/64	1/4	3/8	M	CC	2	
1751	9.00	41,000	7200	13.2	3/4	1	MH	...	3 1/2	D	CR	3/8	2	M	2 1/16	2 3/16	...	...	M	CC	2
932	9.00	41,000	7200	14.5	3/4	1	MH	1 3/8	4	F	CR	3/8	2	M	1 31/32	2 3/16	1/4	3/8	M	CC	2	
933	9.00	56,000	9200	16.8	7/8	1	MH	1 1/2	4	F	CR	3/8	2 1/2	M	2 9/64	2 21/64	1/4	3/8	M	CC	2 1/4	
1211	12.00	29,000	4650	7.5	5/8	*5	MH	...	3	D	CR	5/16	2	M	1 21/32	1 13/16	...	...	S-1	CC	1 1/2
1222	12.00	41,000	7200	10.5	3/4	1	MH	1 3/8	3 1/2	F	CR	3/8	2	M	2 1/16	2 3/16	1/4	3/8	M	CC	2	
1322	12.00	41,000	7200	10.0	3/4	1	MH	...	3 1/2	D	CR	3/8	2	M	2 1/16	2 3/16	...	...	M	CC	2
276	12.00	41,000	7200	12.5	3/4	1	MH	1 1/4	4	F	CR	5/16	2 1/2	M	1 31/32	2 3/32	1/4	1/4	M	CC	2 1/16	
1743	12.00	41,000	6230	9.5	3/4	1	MH	...	3 1/4	D	CR	3/8	2	M	1 51/64	2 9/64	...	...	M	CC	1 5/8
1743 1/2	12.00	41,000	6230	11.5	3/4	1	MH	...	3 1/4	D	CR	3/8	2 1/2	M	1 51/64	2 9/64	...	...	M	CC	1 5/8
1233	12.00	56,000	9200	14.0	7/8	1	MH	1 1/2	4	F	CR	3/8	2 1/2	M	2 9/64	2 21/64	1/4	3/8	M	CC	2 1/4	
180	12.00	56,000	9200	14.2	7/8	3	MH	1 7/64	4	F	CR	3/8	2 1/2	M	2 11/32	2 1/2	1 5/64	7/16	N	CC	2 1/2	
1095	12.00	56,000	9200	14.0	7/8	1	MH	...	4	D	CR	3/8	2 1/2	M	2 17/64	2 31/64	...	...	M	CC	2 1/2
1244	12.00	74,000	12300	23.0	1	1	MH	1 5/8	5	H	CR	1 1/2	2 1/2	M	2 5/8	2 11/16	1/4	1/2	M	CC	2 1/2	
1822	18.00	41,000	7200	9.0	3/4	1	MH	1 3/8	3 1/2	F	CR	3/8	2	M	1 31/32	2 3/16	1/4	3/8	M	CC	2	
1831	18.00	41,000	7200	9.0	3/4	1	MH	...	3 1/2	D	CR	3/8	2	M	2 1/16	2 3/16	...	...	M	CC	2
1833	18.00	56,000	9200	12.0	7/8	1	MH	1 1/2	4	F	CR	3/8	2 1/2	M	2 7/32	2 29/32	1/4	3/8	M	CC	2 1/4	
1844	18.00	74,000	12300	17.0	1	1	MH	1 5/8	5	H	CR	1 1/2	2 1/2	M	2 9/16	2 11/16	1/4	1/2	M	CC	2 1/2	
*1855	18.00	115,000	17500	26.5	1 1/4	1	MH	1 3/4	6	H	CR	5/8	3	M	3 3/32	3 1/4	5/16	7/16	M	CC	2 3/4	
*1866	18.00	150,000	22300	32.0	1 1/2	1	MH	1 3/4	6	H	CR	5/8	3 1/2	M	3 5/16	3 3/4	5/16	7/16	M	CC	3	
2444	24.00	74,000	12700	15.0	1	1	MH	1 5/8	5	H	CR	1 1/2	2 1/2	M	2 9/8	2 11/16	1/4	1/2	M	CC	2 1/2	
*2466	24.00	150,000	22300	27.5	1 1/2	1	MH	1 3/4	6	H	CR	5/8	3 1/2	M	3 5/16	3 3/4	5/16	7/16	M	CC	3	

1 See page 10 for correction factors based on speed and sprocket size, page 10, for Service Factors
Maximum speed depends upon size of sprockets used. See page 8.

* Chrome Iron can be furnished.

* Assembled with Coupling Pins and Malleable Washers.

* Pins ground finish.