



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 27 - Miscellaneous

Proc Folder: 108836

Doc Description: ADDENDUM #2 IMPACT ATTENUATOR PARTS

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2015-10-22	2015-10-29 13:30:00	CRFQ 0803 DOT1600000036	3

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number:

M.H. Corbin LLC  
 8355 Rausch Drive  
 Plain City, OHIO 43064, 800-380-1718

10/29/15 10:41:48  
 WV Purchasing Division

FOR INFORMATION CONTACT THE BUYER

Mislong  
 (304) 8802  
 mislong@wv.gov

Sign  
 All of

*Paul Boehm*

FEIN #

47-4845216

DATE

10-28-2015

to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION:**

Addendum 2 - to attach response to Vendor questions. No other changes made.

Addendum 1 - to extend bid opening date. No other changes made.

The West Virginia Purchasing Division is soliciting bids on behalf of the WVDOH to establish an open-end contract for Trinity Industries and Energy Absorption Systems, or equal, impact attenuator parts.

INVOICE TO		SHIP TO	
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER	
No City	WV99999	No City	WV 99999
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	IMPACT ATTENUATORS	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
46161515			

**Extended Description :**

IMPACT ATTENUATORS OR EQUAL

USE THE EXCEL SHEET FOR PART NUMBERS, QUANTITIES, DESCRIPTIONS, AND UNITS.

\*\*IF BIDDING ONLINE - Enter the price of the first line bid on the attached pricing page. The Oasis Commodity line will not be evaluated. Evaluation will be based on the attached Excel pricing page.

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	Technical Questions Due	2015-10-02

<b>DOT1600000036</b>	<b>Document Phase</b> <b>Final</b>	<b>Document Description</b> ADDENDUM #2 IMPACT ATTENUATOR PARTS	<b>Page 3</b> <b>of 3</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

**MANDATE:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: M.H. Corbin LLC

Authorized Signature: [Signature] Date: 10-29-2015

State of WEST VIRGINIA

County of KANAWHA, to-wit:

Taken, subscribed, and sworn to before me this 29<sup>TH</sup> day of OCTOBER, 2015.

My Commission expires 10/9/2019, 20  .

AFFIX SEAL HERE



NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 08/01/2015)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CRFQ DOT1600000036**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**  
(Check the box next to each addendum received)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input checked="" type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input checked="" type="checkbox"/> Addendum No. 7  |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input checked="" type="checkbox"/> Addendum No. 8  |
| <input checked="" type="checkbox"/> Addendum No. 4 | <input checked="" type="checkbox"/> Addendum No. 9  |
| <input checked="" type="checkbox"/> Addendum No. 5 | <input checked="" type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

M. H. Corbin LLC  
Company

Paul Bodini  
Authorized Signature

10-28-2015  
Date

**NOTE:** This addendum acknowledgment should be submitted with the bid to expedite document processing.

AGREEMENT ADDENDUM

In the event of conflict between this addendum and the agreement, this addendum shall control:

1. **DISPUTES** - Any references in the agreement to arbitration or to the jurisdiction of any court are hereby deleted. Disputes arising out of the agreement shall be presented to the West Virginia Court of Claims.
2. **HOLD HARMLESS** - Any clause requiring the Agency to indemnify or hold harmless any party is hereby deleted in its entirety.
3. **GOVERNING LAW** - The agreement shall be governed by the laws of the State of West Virginia. This provision replaces any references to any other State's governing law.
4. **TAXES** - Provisions in the agreement requiring the Agency to pay taxes are deleted. As a State entity, the Agency is exempt from Federal, State, and local taxes and will not pay taxes for any Vendor including individuals, nor will the Agency file any tax returns or reports on behalf of Vendor or any other party.
5. **PAYMENT** - Any references to prepayment are deleted. Payment will be in arrears.
6. **INTEREST** - Should the agreement include a provision for interest on late payments, the Agency agrees to pay the maximum legal rate under West Virginia law. All other references to interest or late charges are deleted.
7. **RECOUPMENT** - Any language in the agreement waiving the Agency's right to set-off, counterclaim, recoupment, or other defense is hereby deleted.
8. **FISCAL YEAR FUNDING** - Service performed under the agreement may be continued in succeeding fiscal years for the term of the agreement, contingent upon funds being appropriated by the Legislature or otherwise being available for this service. In the event funds are not appropriated or otherwise available for this service, the agreement shall terminate without penalty on June 30. After that date, the agreement becomes of no effect and is null and void. However, the Agency agrees to use its best efforts to have the amounts contemplated under the agreement included in its budget. Non-appropriation or non-funding shall not be considered an event of default.
9. **STATUTE OF LIMITATION** - Any clauses limiting the time in which the Agency may bring suit against the Vendor, lessor, individual, or any other party are deleted.
10. **SIMILAR SERVICES** - Any provisions limiting the Agency's right to obtain similar services or equipment in the event of default or non-funding during the term of the agreement are hereby deleted.
11. **ATTORNEY FEES** - The Agency recognizes an obligation to pay attorney's fees or costs only when assessed by a court of competent jurisdiction. Any other provision is invalid and considered null and void.
12. **ASSIGNMENT** - Notwithstanding any clause to the contrary, the Agency reserves the right to assign the agreement to another State of West Virginia agency, board or commission upon thirty (30) days written notice to the Vendor and Vendor shall obtain the written consent of Agency prior to assigning the agreement.
13. **LIMITATION OF LIABILITY** - The Agency, as a State entity, cannot agree to assume the potential liability of a Vendor. Accordingly, any provision limiting the Vendor's liability for direct damages to a certain dollar amount or to the amount of the agreement is hereby deleted. Limitations on special, incidental or consequential damages are acceptable. In addition, any limitation is null and void to the extent that it precludes any action for injury to persons or for damages to personal property.
14. **RIGHT TO TERMINATE** - Agency shall have the right to terminate the agreement upon thirty (30) days written notice to Vendor. Agency agrees to pay Vendor for services rendered or goods received prior to the effective date of termination.
15. **TERMINATION CHARGES** - Any provision requiring the Agency to pay a fixed amount or liquidated damages upon termination of the agreement is hereby deleted. The Agency may only agree to reimburse a Vendor for actual costs incurred or losses sustained during the current fiscal year due to wrongful termination by the Agency prior to the end of any current agreement term.
16. **RENEWAL** - Any reference to automatic renewal is hereby deleted. The agreement may be renewed only upon mutual written agreement of the parties.
17. **INSURANCE** - Any provision requiring the Agency to insure equipment or property of any kind and name the Vendor as beneficiary or as an additional insured is hereby deleted.
18. **RIGHT TO NOTICE** - Any provision for repossession of equipment without notice is hereby deleted. However, the Agency does recognize a right of repossession with notice.
19. **ACCELERATION** - Any reference to acceleration of payments in the event of default or non-funding is hereby deleted.
20. **CONFIDENTIALITY** - Any provision regarding confidentiality of the terms and conditions of the agreement is hereby deleted. State contracts are public records under the West Virginia Freedom of Information Act.
21. **AMENDMENTS** - All amendments, modifications, alterations or changes to the agreement shall be in writing and signed by both parties. No amendment, modification, alteration or change may be made to this addendum without the express written approval of the Purchasing Division and the Attorney General.

**ACCEPTED BY:**  
STATE OF WEST VIRGINIA

**VENDOR**

Spending Unit: \_\_\_\_\_

Company Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Signed:  \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

State of West Virginia  
**VENDOR PREFERENCE CERTIFICATE**

Certification and application is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1.  **Application is made for 2.5% vendor preference for the reason checked:**  
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,  
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or** 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,  
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,
2.  **Application is made for 2.5% vendor preference for the reason checked:**  
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
3.  **Application is made for 2.5% vendor preference for the reason checked:**  
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
4.  **Application is made for 5% vendor preference for the reason checked:**  
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,
5.  **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**  
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,
6.  **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**  
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7.  **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**  
 Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: \_\_\_\_\_

Signed: Red Polkin

Date: \_\_\_\_\_

Title: \_\_\_\_\_

**CERTIFICATION AND SIGNATURE PAGE**

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

M.H. Corbin LLC  
(Company)

Rad Bodkin Rad Bodkin (Sales)  
(Authorized Signature) (Representative Name, Title)

800-380-1718, 614-873-8095/0-28-2015  
(Phone Number) (Fax Number) (Date)



d

ITEM NUMBER	ESTIMATED QUANTITY	DESCRIPTION	PART DETAIL SHEET(S)	UNIT COST	EXTENDED TOTAL AMOUNT (QTY x UNIT COST)	(DOH USE ONLY) INVENTORY SUBCODE
		<b>Energy Absorption Systems GREAT Attenuators, or equal</b>				
		<b>GREAT panels and parts, or equal</b>				
1	1	GREAT thrie-beam fender panel w/ connection to diaphragm hardware, mushroom bolt assembly, and deflector assembly	5	\$1,290.00		311000
2	1	GREAT complete mushroom bolt and deflector assembly	5	\$95.00		312000
3	1	GREAT concrete block backup deflector panel w/ connection to fender panel hardware	14	\$15.90		313000
4	1	GREAT concrete block backup side panel w/ connection to fender panel hardware	8	\$250.00		NA
5	1	GREAT steel backup side panel w/ connection to backup hardware	11, 12	\$253.00		NA
6	1	GREAT extension panel w/ connection to backup and thrie to w-beam panel hardware	14	\$265.00		314000
7	1	GREAT NJ barrier backup left side 4" offset transition panel w/ support bracket, connection to support bracket hardware, and connection to steel backup hardware	11	\$1,600.00		315000
8	1	GREAT NJ barrier backup right side 4" offset transition panel w/ support bracket, connection to support bracket hardware, and connection to steel backup hardware	11	\$1,600.00		316000
9	1	GREAT thrie beam to w-beam transition panel w/ connection to extension panel and w-beam hardware	14	\$399.00		317000
		<b>GREAT diaphragms and parts, or equal</b>				
10	1	GREAT 24" diaphragm w/ cable guide assembly and cable guide connection h/w	4	\$1,485.00		321000
11	1	GREAT 30" diaphragm w/ cable guide assembly and cable guide connection h/w	4	\$1,685.00		322000
		<b>GREAT restraining cables and parts, or equal</b>				
12	1	GREAT 5 bay restraining cable w/ connection hardware and 6 ea. 3x3x1/4 washer bars	6	\$2,690.00		331000
13	1	GREAT 6 bay restraining cable w/ connection hardware and 6 ea. 3x3x1/4 washer bars	6	\$2,810.00		332000

14	1	GREAT 7 bay restraining cable w/ connection hardware and 6 ea. 3x3x1/4 washer bars	6	\$3,000.00		333000
15	1	GREAT cable guide assembly w/ connection to diaphragm hardware	4	\$150.00		NA
16	1	GREAT front anchor plate for restraining cable w/ connection to foundation MP-3 anchors	6	\$525.00		NA
17	1	GREAT rear anchor plate for restraining cable w/ connection to foundation MP-3 anchors	6	\$525.00		NA
<b>GREAT nose cover and parts, or equal</b>						
18	1	GREAT nose cover w/ connection to diaphragm hardware (does not include legs)	3	\$800.00		341000
19	1	GREAT nose support legs (2 ea.) w/ tabs and connection to nose cover hardware	3	\$95.00		342000
<b>GREAT chain rail assemblies and parts, or equal</b>						
20	1	GREAT 8 ft. 11 in. "A" chain rail section w/ proof coil chains	7	\$1,389.00		NA
21	1	GREAT 18 ft. "B" chain rail section w/ proof coil chains	7	\$2,725.00		NA
22	1	GREAT 9 ft. "B" or "C" chain rail section w/ proof coil chains	7	\$850.00		351000
23	1	GREAT 3 ft. "C" chain rail section w/ proof coil chains	7	\$635.00		352000
24	1	GREAT 6 ft. "C" chain rail section w/ proof coil chains	7	\$585.00		353000
25	1	GREAT proof coil chain w/ clevis & keeper pin	7	\$59.00		354000
<b>GREAT cartridges and parts, or equal</b>						
26	1	GREAT Hexfoam II Type 51 cartridge	NA	\$987.00		371000
27	1	GREAT concrete block backup cartridge support bracket	8	\$125.00		NA
28	1	GREAT NJ barrier metal backup cartridge support bracket w/ connection hardware	11	\$350.00		NA
<b>Energy Absorption Systems Quadguard Attenuators, or equal</b>						
<b>Quadguard 24" to 36" units, or equal</b>						
<b>Quadguard diaphragms and parts (24" to 36"), or equal</b>						
29	1	Quadguard 24" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	15	\$843.00		811100

30	1	Quadguard 30" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	15	\$909.00		811200
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31	1	Quadguard 36" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	15	\$864.00		811300
		<b>Quadguard nose cover and parts (24" to 36"), or equal</b>				
32	1	Quadguard yellow belt nose cover w/ cartridge support bracket, nose support legs, nose attachment brackets, pull-out brackets, and connection to diaphragm hardware (fits 24" and 30" units)	18	\$1,736.00		812100
33	1	Quadguard yellow belt nose cover w/ cartridge support bracket, nose support legs, nose attachment brackets, pull-out brackets, and connection to diaphragm hardware (fits 36" units)	16	\$1,736.00		812100
		<b>Quadguard backups and parts (24" to 36"), or equal</b>				
34	1	Quadguard 24" tension strut backup with cartridge support bracket, side panel, and side panel connection hardware.	19	\$2,225.00		NA
35	1	Quadguard 30" tension strut backup with cartridge support bracket, side panel, and side panel connection hardware.	19	\$2,275.00		NA
36	1	Quadguard 36" tension strut backup with cartridge support bracket, side panel, and side panel connection hardware.	19	\$2,275.00		NA
37	1	Quadguard concrete block backup 24" front face w/ side panel and side panel connection hardware.	20	\$1,335.00		NA
38	1	Quadguard concrete block backup 30" front face w/ side panel and side panel connection hardware.	20	\$1,390.00		NA
39	1	Quadguard concrete block backup 36" front face w/ side panel and side panel connection hardware.	20	\$1,425.00		NA
		<b>Quadguard panels and parts (24" to 36"), or equal</b>				
40	1	Quadguard quad beam to w-beam transition panel w/ diagonal brace, diagonal brace connection hardware, and connection to post #2 bar washers (24" unit)	23	\$1,250.00		814100

41	1	Quadguard quad beam to w-beam transition panel w/ diagonal brace, diagonal brace connection hardware, brace blockouts, and connection to post #2 bar washers (30" unit)	23	\$1,250.00		814200
42	1	Quadguard quad beam to w-beam transition panel w/ diagonal brace, diagonal brace connection hardware, brace blockouts, and connection to post #2 bar washers (36" unit)	23	\$1,250.00		814300
43	1	Quadguard quad beam to thrie beam transition panel w/ diagonal brace, diagonal brace connection hardware, and connection to post #2 bar washers (24" unit)	24	\$1,100.00		814400
44	1	Quadguard quad beam to thrie beam transition panel w/ diagonal brace, diagonal brace connection hardware, brace blockouts, and connection to post #2 bar washers (30" unit)	24	\$1,100.00		814500
45	1	Quadguard quad beam to thrie beam transition panel w/ diagonal brace, diagonal brace connection hardware, brace blockouts, and connection to post #2 bar washers (36" unit)	24	\$1,100.00		814600
		<b>Quadguard 69" and 90" units, or equal</b>				
		<b>Quadguard diaphragms and parts (69" and 90" units), or equal</b>				
46	1	Quadguard 26.50" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$914.00		821100
47	1	Quadguard 26.95" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,080.00		821110
48	1	Quadguard 32.80" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,150.00		821120
49	1	Quadguard 35.94" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,190.00		821130
50	1	Quadguard 39.09" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,210.00		821140
51	1	Quadguard 42.24" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,245.00		821150

52	1	Quadguard 45.39" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides (NOTE: For brackets, and hardware for guides (NOTE: For brackets, and hardware for guides 120" units, use Item #74)	26	\$1,295.00		821160
53	1	Quadguard 48.54" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,348.00		821170
54	1	Quadguard 50.12" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,370.00		821180
55	1	Quadguard 51.69" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,390.00		821190
56	1	Quadguard 54.84" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,405.00		821200
57	1	Quadguard 57.99" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,455.00		821210
58	1	Quadguard 59.57" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,475.00		821220
59	1	Quadguard 61.14" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,500.00		821230
60	1	Quadguard 64.29" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,558.00		821240
61	1	Quadguard 68.07" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,598.00		821250
62	1	Quadguard 70.59" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,620.00		821260
63	1	Quadguard 73.74" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,637.00		821270
64	1	Quadguard 76.89" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,655.00		821280
65	1	Quadguard 80.04" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,677.00		821290

		<b>Quadguard nose cover and parts (69" and 90" units), or equal</b>				
66	1	Quadguard 69" yellow belt nose cover w/ cartridge support bracket, nose attachment brackets, pullout brackets, nose attachment hardware, pullout bracket hardware, and nose attachment bracket hardware (fits 69" 3-7 bay units)	27	\$1,900.00		822100
67	1	Quadguard 90" yellow belt nose cover w/ cartridge support bracket, nose attachment brackets, pullout brackets, nose attachment hardware, pullout bracket hardware, and nose attachment bracket hardware (fits 69" to 90" units)	27	\$1,900.00		822100
		<b>Quadguard backups and parts (69" and 90"), or equal</b>				
68	1	Quadguard tension strut backup w/ side panel, hinge plates, telespar struts, cartridge support bracket, support bracket locking bar, and connection hardware (69" unit)	29	\$2,684.00		NA
69	1	Quadguard tension strut backup w/ side panel, hinge plates, telespar struts, cartridge support bracket, support bracket locking bar, and connection hardware. (90" unit)	29	\$2,790.00		NA
70	1	Quadguard concrete block backup front face w/ hinge plate, side panel, telespar struts, and connection hardware. (69" unit)	30	\$2,010.00		NA
71	1	Quadguard concrete block backup front face w/ hinge plate, side panel, telespar struts, and connection hardware. (90" unit)	30	\$2,090.00		NA
		<b>Quadguard panels and parts (69" and 90"), or equal</b>				
72	1	Quadguard quad beam to w-beam transition panel w/ pivot support bracket, support bracket hardware, and connection to post #2 bar washers (69" and 90" units)	31	\$1,200.00		824100

73	1	Quadguard quad beam to thrie beam transition panel w/ pivot support bracket, support bracket hardware, and connection to post #2 bar washers (69" and 90" units)	32	\$1,200.00		824200
<b>Quadguard 120" units, or equal</b>						
<b>Quadguard diaphragms and parts (120" units), or equal</b>						
74	1	Quadguard 45.39" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	35	\$1,691.00		841100
NA	NA	Quadguard 57.99" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides <b>USE LINE ITEM 57</b>	26	NA		NA
NA	NA	Quadguard 70.59" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides <b>USE LINE ITEM 62</b>	26	NA		NA
75	1	Quadguard 82.68" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,710.00		841200
76	1	Quadguard 95.31" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$1,950.00		841250
77	1	Quadguard 108" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides	26	\$2,175.00		841300
<b>Quadguard backups and parts (120" units), or equal</b>						
78	1	Complete Quadguard tension strut backup w/ center section, right section, left section, side panels, hinge plates, telespar struts, cartridge support bracket, support bracket locking bar, and all connection hardware	33	\$5,200.00		NA
79	1	Replacement 120" Quadguard tension strut backup right section w/ side panels, hinge plates, telespar struts, and all required connection h/w	33	\$2,000.00		NA
80	1	Replacement 120" Quadguard tension strut backup left section w/ side panels, hinge plates, telespar struts, and all required connection h/w	33	\$2,000.00		NA



		<b>Quadguard nose cover and parts (120" units), or equal</b>				
81	1	Quadguard 120" yellow belt nose cover w/ cartridge support bracket, nose attachment brackets, pullout brackets, nose attachment hardware, pullout bracket hardware, and nose attachment bracket hardware (fits 120" units)	27 (installation similar)	\$2,850.00		842100
		<b>Energy Absorption Systems Quadguard - HS Attenuators, or equal</b>				
		<b>Quadguard-HS 24" to 36" units, or equal</b>				
		<b>Quadguard-HS diaphragms and parts (24" to 36"), or equal</b>				
<b>NOTE: SPECIAL DIAPHRAGMS AND DIAPHRAGM COMPONENTS FOR DIAPHRAGMS 1 THRU 3 FROM THE FRONT ARE LISTED BELOW. FOR ALL OTHER PARTS, USE PART NUMBERS 29 THROUGH 31, 34 THROUGH 45, AND 95 THROUGH 110</b>						
82	1	Quadguard-HS 24" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides (diaphragms 1 thru 3 only)	34	\$1,050.00		851100
83	1	Quadguard-HS 30" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides (diaphragms 1 thru 3 only)	34	\$1,200.00		851200
84	1	Quadguard-HS 36" diaphragm w/ monorail guides, cartridge support brackets, and hardware for guides (diaphragms 1 thru 3 only)	34	\$1,290.00		851300
85	1	Diaphragm #3 bumper assembly with bumper and hardware (for 24" to 36" units)	62	\$645.00		NA
86	1	Diaphragm #2 bumper/spacer assembly with bumper, spacer, and hardware (for 24" to 36" units)	62	\$600.00		NA
87	1	Diaphragm #1 spacer assembly with spacer and hardware (for 24" to 36" units)	62	\$610.00		NA
		<b>Quadguard-HS nose covers (24" to 36"), or equal</b>				
88	1	Quadguard-HS yellow belt nose cover w/ nose attachment brackets, pull-out brackets, and connection to diaphragm hardware (fits 24" and 30" units)	80/81	\$1,536.00		852100
89	1	Quadguard-HS yellow belt nose cover w/ nose attachment brackets, pull-out brackets, and connection to diaphragm hardware (fits 36" units)	80/81	\$1,536.00		852200

		Energy Absorption Systems Quadguard II Attenuators, or equal				
		Quadguard II 24" to 48" units, or equal				
		Quadguard II diaphragms and parts (24" to 48"), or equal				
<b>NOTE: THE STANDARD 48" QUADGUARD DIAPHRAGM BELOW IS UNIQUE TO THE QUADGUARD II SYSTEM, BUT ONLY BASED ON ITS' WIDTH. STANDARD QUADGUARD 24", 30", AND 36" DIAPHRAGMS ARE COMPATIBLE WITH THE QUADGUARD II SYSTEM. SEE ITEM NUMBERS 29 THROUGH 31</b>						
90	1	Quadguard-II 48" diaphragm w/ monorail guides, cartridge support brackets, monorail shims, and hardware for guides	15	\$1,339.00		861100
91	1	Quadguard II diaphragm shim for 24" to 48" diaphragms (2 ea. required for each diaphragm)	85	\$68.00		NA
		Quadguard II nose cover and parts (24" to 48"), or equal				
92	1	Quadguard II "narrow" yellow metal nose cover w/ cartridge support brackets and connection to diaphragm hardware (fits 24" to 48" units) * see item 93 for additional part for 48" unit noses	82	\$725.00		862100
93	1	Quadguard II "narrow" yellow metal nose cover 12" spacer with connection hardware. (supplemental part required for nose covers used with 48" design width units)	83	\$780.00		862200
		Quadguard II 69" to 120" units, or equal				
		Quadguard II nose cover and parts (69" to 120"), or equal				
94	1	Quadguard II "wide" yellow metal nose cover w/ cartridge support brackets and connection to diaphragm hardware (fits 69" to 120" units)	84	\$780.00		863100
		Energy Absorption Systems Quadguard common parts (all units), or equal				
		Quadguard panels and parts (all units), or equal				
95	1	Quadguard mushroom bolt assembly	17	\$80.00		831100
96	1	Quadguard fender panel w/ connection to diaphragm hardware and mushroom bolt assembly	17	\$740.00		831200
97	1	Quadguard NJ barrier backup left side 4 inch offset transition panel w/ support bracket, and connection to support bracket hardware.	22	\$890.00		831300
98	1	Quadguard NJ barrier backup right side 4 inch offset transition panel w/ support bracket, and connection to support bracket hardware.	22	\$890.00		831400

99	1	Quadguard NJ barrier backup left side 9 inch offset transition panel w/ support bracket, and connection to support bracket hardware. (not to be used for traffic approaching rear of unit)	NA	\$1,170.00		NA
100	1	Quadguard NJ barrier backup right side 9 inch offset transition panel w/ support bracket and connection to support bracket hardware. (not to be used for traffic approaching rear of unit)	NA	\$1,170.00		NA
<b>Quadguard backups and parts (all units), or equal</b>						
101	1	Quadguard concrete block backup end shoe attachment w/connection to block MP-3 anchors	21	\$625.00		832100
102	1	Quadguard concrete block backup wheel deflector w/ connection to block MP-3 anchors	25	\$575.00		832200
<b>Quadguard monorails and parts (all units), or equal</b>						
103	1	Quadguard one bay monorail section	18, 28	\$95.00		833100
104	1	Quadguard two bay monorail section	18, 28	\$1,219.00		833200
105	1	Quadguard three bay monorail section	18, 28	\$1,430.00		833300
106	1	Quadguard monorail end cap w/ connection to monorail hardware	18, 28	\$75.00		833400
<b>Quadguard cartridges (all units), or equal</b>						
107	1	Quadguard type I cartridge	NA	\$808.00		834100
108	1	Quadguard type II cartridge	NA	\$848.00		834200
<b>Quadguard miscellaneous parts (all units), or equal</b>						
109	1	Quadguard diaphragm cartridge support bracket	26	\$45.00		835100
110	1	Quadguard flex belt nose clamp	16 / 27 / 79	\$49.00		NA
<b>Energy Absorption Systems Complete Quadguard-II Units, or equal</b>						
111	1	Quadguard-II unit, 2-bay, 24" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$9,300.00		NA
112	1	Quadguard-II unit, 2-bay, 30" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$9,587.00		NA

113	1	Quadguard-II unit, 2-bay, 36" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$9,787.00		NA
114	1	Quadguard-II unit, 2-bay, 48" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$10,588.00		NA
115	1	Quadguard-II unit, 2-bay, 24" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$11,446.00		NA
116	1	Quadguard-II unit, 2-bay, 30" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$11,646.00		NA
117	1	Quadguard-II unit, 2-bay, 36" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$11,900.00		NA
118	1	Quadguard-II unit, 2-bay, 48" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$12,025.00		NA
119	1	Quadguard-II unit, 5-bay, 24" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$15,560.00		NA

120	1	Quadguard-II unit, 5-bay, 30" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$15,760.00		NA
121	1	Quadguard-II unit, 5-bay, 36" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$16,200.00		NA
122	1	Quadguard-II unit, 5-bay, 48" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$16,700.00		NA
123	1	Quadguard-II unit, 5-bay, 69" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$19,500.00		NA
124	1	Quadguard-II unit, 5-bay, 90" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$19,900.00		NA
125	1	Quadguard-II unit, 6-bay, 126" width, concrete backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$33,000.00		NA
126	1	Quadguard-II unit, 5-bay, 24" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) THIS ITEM MAY ONLY BE installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$15,960.00		NA

127	1	Quadguard-II unit, 5-bay, 30" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$16,250.00		NA
128	1	Quadguard-II unit, 5-bay, 36" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$16,750.00		NA
129	1	Quadguard-II unit, 5-bay, 48" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$17,310.00		NA
130	1	Quadguard-II unit, 5-bay, 69" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$20,300.00		NA
131	1	Quadguard-II unit, 5-bay, 90" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$20,550.00		NA
132	1	Quadguard-II unit, 6-bay, 126" width, tension strut backup installation (to include all parts, components, hardware, anchoring studs, and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) THIS ITEM MAY ONLY BE Installation) ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$35,000.00		NA
		Trinity Industries TRACC				
		Attenuators, or equal				
		TRACC common parts, or equal				
		Base components , or equal				

133	1	TRACC base module assembly (part # 25982A) pre-assembled w/ cross ties, nut holder plates, & shoulder studs. Does not include rip plates or doubler plates.	49, 50	\$2,925.00		NA
134	1	Left end shoe (part # 25955A) w/ attachment h/w	49, 50	\$170.00		NA
135	1	Right end shoe (part # 25954A) w/ attachment h/w	49, 50	\$170.00		NA
136	1	Front anchor weldment (part # 25956A) w/ attachment h/w.	49, 50	\$450.00		NA
137	1	3'-1" rear extension plate (part # 25961G) w/ attachment h/w (for 9-bay units)	49, 50	\$390.00		NA
138	1	2'-0 1/2" rear extension plate (part # 25995G) w/ attachment h/w (for 6-bay units)	55, 56	\$150.00		NA
<b>9-bay unit rip plate components, or equal</b>						
139	1	Rip plate, stage 3, bottom (part # 25964G)	49, 50	\$255.00		211100
140	1	Rip plate, stage 3, middle (part # 25965G)	49, 50	\$250.00		211150
141	1	Rip plate, stage 3, top (part # 25966G)	49, 50	\$250.00		211200
142	1	Rip plate, stage 2, (part # 25963G)	49, 50	\$225.00		211250
<b>6-bay unit rip plate components, or equal</b>						
143	1	Rip plate, stage 3, bottom (part # 25993G)	55, 56	\$277.00		211300
144	1	Rip plate, stage 3, middle (part # 25992G)	55, 56	\$276.00		211350
145	1	Rip plate, stage 3, top (part # 25991G)	55, 56	\$275.00		211400
146	1	Rip plate, stage 2, (part # 25990G)	55, 56	\$250.00		211450
<b>doubler plates, or equal</b>						
147	1	doubler plate (part # 25960G) w/ removable bolts.	49, 50	\$938.00		211500
148	1	11-1/2" rear doubler plate for 6-bay unit only (part # 25996G) w/ removable bolts	55, 56	\$210.00		211550
<b>fender panels, or equal</b>						
149	1	"two-bay" fender panel (part # 25973) w/ attachment to diaphragm and adjacent fender panel h/w	51, 52, 53, 54	\$350.00		212100
150	1	"one-bay" fender panel (part # 25974) w/ attachment to diaphragm and adjacent fender panel h/w	51, 52, 53, 54	\$340.00		212150
<b>sled and frames (diaphragms), or equal</b>						
151	1	24" frame (diaphragm) (part # 25971)	51, 52, 53, 54	\$260.00		213100
152	1	24" front sled (part # 25970) w/ shredder assembly (part # 25975) pre-assembled	51, 52, 53, 54	\$2,100.00		213150
153	1	shredder assembly (part # 25975) w/ hitch pin clip (part # 3253) and 3/4" x 2" clevis pin (part # 4425)	51, 52, 53, 54	\$310.00		213200
154	1	24" end frame (part # 25972A) w/ connection to 24" concrete block h/w, connection to NJ shape h/w (including	43, 44, 45, 46, 47, 48, 51, 52	\$1,250.00		NA

		transition adaptor (part # PC33356G) & adaptor connection to wall h/w), & connection to constant slope barrier h/w.				
155	1	end frame (part # 33405 - 1/2 of split end frame for 33" and 39" units) w/ connection to barrier h/w (33" and 39" only)	57, 58	\$500.00		NA



156	1	1-1/2" WT-Frame extension (part # 33406) w/ conenction to frame h/w (33" units only)	57, 58	\$190.00		213250
157	1	3" WT-Frame extension (part # 33471) w/ connenction to frame h/w (39" units only)	59, 60, 61	\$290.00		213300
158	1	WT-Joint plate (part # 33467) w/ 3x1/4 fender panel plate and connection h/w (39" units only)	59, 60, 61	\$185.00		213350
<b>TRACC to w-beam transition components, or equal</b>						
159	1	Lower and Upper W-beam (part # PC33344A) w/ connection to end frame h/w & splice connection h/w	36, 37	\$300.00		214100
160	1	W-beam (part # PC105G) w/ splice connection h/w	36, 37	\$190.00		214150
161	1	Backup post (post #1) (part # PC564G) w/ connection to end frame h/w	36, 37	\$85.00		NA
162	1	Backup post (post #1) w/ end plate (part # PC33345A) w/ connection to end frame h/w	38	\$225.00		NA
163	1	Support post (post # 2, 3) (part # PC33393G)	36, 37	\$225.00		NA
164	1	Support post (post # 4-9) (part # PC33346G)	36, 37	\$200.00		NA
165	1	Wood block (part # PC6144B) w/ connection to support post and beam h/w	36, 37	\$61.00		NA
166	1	Wood block (part # PC6142B) w/ connection to support post and beam h/w	36, 37	\$61.00		NA
167	1	Wood block (part # PC6145B) w/ connection to support post and beam h/w	36, 37	\$53.00		NA
168	1	Wood block (part # PC6146B) w/ connection to support post and beam h/w	36, 37	\$25.00		NA
169	1	Wood block (part # PC6147B) w/ connection to support post and beam h/w	36, 37	\$25.00		NA
170	1	Wood block (part # PC6143B) w/ connection to support post and beam h/w	36, 37	\$25.00		NA
171	1	Wood block (part # PC6141B) w/ connection to support post and beam h/w	36, 37	\$50.00		NA
<b>TRACC to thrie beam transition components, or equal</b>						
172	1	Right transition panel (part # PC33371A) w/ connection to end frame h/w and splice h/w	39, 40	\$575.00		214200
173	1	Left transition panel (part # PC33372A) w/ connection to end frame h/w and splice h/w	39, 40	\$575.00		214250
174	1	Backup post (post #1) (part # PC564G) w/ connection to end frame h/w	39, 40	\$105.00		NA
175	1	Backup post (post #1) w/ end plate (part # PC33345A) w/ connection to end frame h/w	41	\$218.00		NA

176	1	Steel Support post (post # 2-4) (part # PC33346G)	39, 40	\$170.00		NA
177	1	Wood block (part # PC6143) w/ connection to support post and beam h/w (for use w/ steel supports)	39, 40	\$50.00		NA
178	1	Wood Support post (post # 2-4) (part # PC6137B)	42	\$170.00		NA
179	1	Wood block (part # PC6138B) w/ connection to support post and beam h/w (for use with wood supports)	42	\$50.00		NA
<b>TRACC to 24" concrete block transition components, or equal</b>						
180	1	24" concrete block end shoe (part # PC33367G) w/ connection to barrier h/w	43, 44	\$135.00		214300
<b>TRACC to NJ barrier transition components, or equal</b>						
181	1	Lower W-beam (part # PC33360A) w/ connection to end frame h/w	45, 46	\$210.00		214350
182	1	Lower terminal (part # PC33380G) w/ connection to barrier and beam h/w	45, 46	\$118.00		214400
183	1	Upper W-beam (part # PC33359A) w/ connection to end frame h/w, wood blocks (part numbers PC6135B and PC6136B), and wood block connection h/w	45, 46	\$475.00		214450
184	1	Upper terminal (part # PC33380G) w/ connection to barrier and beam h/w	45, 46	\$118.00		214500
<b>TRACC to single slope barrier components, or equal</b>						
185	1	Lower W-beam (part # PC33360A) w/ connection to end frame h/w.	47, 48	\$210.00		214550
186	1	Upper W-beam (part # PC33359A) w/ connection to end frame h/w, wood blocks (part numbers PC6533B and PC6534B), and wood block connection h/w	47, 48	\$475.00		214600
187	1	Upper and Lower terminal (part # PC926G) w/ connection to barrier and beam h/w	47, 48	\$118.00		214650
<b>TRACC miscellaneous hardware, or equal</b>						
188	1	1/2" cable clamp (part # 4324)	59, 60, 61	\$20.00		215100
189	1	WT-cable clamp plate (part # 33470)	59, 60, 61	\$70.00		215150
190	1	1/2" cable (part # 6713)	59, 60, 61	\$400.00		215200
191	1	plate washer assembly w/ 5/8 bolt (part # 5306), 3 ea. plate washers (part # 19737), 5/8 fw (part # 4372), and 5/8 nut (part # 3361)	51, 52, 53, 54	\$45.00		215250
<b>TRACC nose cover, or equal</b>						
192	1	TRACC plastic nose piece w/ attachment hardware (part # 6532B)	59	\$400.00		215300
<b>Complete TRACC Units, or equal</b>						
193	1	TRACC unit, NCHRP-350 Test Level 2, 24" width, to be delivered pre-assembled (to include all anchoring studs and anchoring stud epoxy required for concrete installation) THIS and anchoring stud epoxy required for concrete installation)	NA	\$13,000.00		NA

194	1	TRACC unit, NCHRP-350 Test Level 3, 24" width, to be delivered pre-assembled (to include all anchoring studs and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$15,000.00		NA
195	1	TRACC unit, NCHRP-350 Test Level 2, 30" width, to be delivered pre-assembled (to include all anchoring studs and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$14,225.00		NA
196	1	TRACC unit, NCHRP-350 Test Level 3, 30" width, to be delivered pre-assembled (to include all anchoring studs and anchoring stud epoxy required for concrete installation) THIS ITEM MAY ONLY BE ORDERED BY THE TRAFFIC ENGINEERING DIVISION	NA	\$17,500.00		NA