



CAPITOL REGION PURCHASING COUNCIL

INVITATION FOR BID #713 TRAFFIC GUIDELINES AND PAINTED PAVEMENT MARKINGS

<u>Issue Date:</u>	<u>As listed on crcog.bonfirehub.com</u>
<u>Deadline for Questions:</u>	<u>As listed on crcog.bonfirehub.com</u>
<u>Response Deadline:</u>	<u>As listed on crcog.bonfirehub.com</u>
<u>Response Location:</u>	<u>crocog.bonfirehub.com</u>

Bid Information Sheet (Q-37YZ)

Company Information & References

Instructions

- The Summary worksheet displays your overall progress for the questionnaire.
- The worksheets numbered from 1 to N represent question sets.
- For each question set, select a response from the dropdown (if applicable) and enter a response comment for each question in the table.
- If specific instructions have been provided for a given subset, they will appear as a tooltip for a purple cell. Mouse-over to review them.
- When pasting content, please use Paste Special as Text without any formatting.
- Please do not change the structure of any of the worksheets. Changing the structure will invalidate your submission.
- Any additional information outside of the given structure of the worksheets will not be visible to the purchaser.
- Please do not save this file in a different format. Saving this file in a different format will invalidate your submission.
- Please do not use Excel formulas in your responses.
- Please follow the instructions provided along with this file to submit it back to Bonfire.
- If you have any questions regarding the content of this file, please contact the appropriate purchaser.
- If you have any technical problems, please contact Bonfire at Support@GoBonfire.com.

Summary

Question Set	Questions	% Complete	Progress
1	8	100.00%	<div></div>
2	12	100.00%	<div></div>
3	7	100.00%	<div></div>
Total	27	100.00%	<div></div>



Question Set 1: Company Information

#	Question	Response	Comment
General Company Information			
1.1.1	Company Name	K5 Corporatoin	
1.1.2	Company Address	9 Rockview Way Rockland Ma 02370	
1.1.3	Contact Name	Kathy DeLong	
1.1.4	Contact Title	President	
1.1.5	Contact e-mail	bids@k5corporation.com	
1.1.6	Contact Phone	781-982-9229	
1.1.7	Company Website	www.k5corporation.com	
1.1.8	Number of years company has been in business	40	
8 Questions		100.00% Complete	

Question Set 2: Reference Information

Question Set 2 Instructions

During the last two years, the bidder performed road-marking work for the following public bodies (federal, state, municipal, etc.). If you have additional additional references, please add them as an optional document upload on Bonfire.

#	Question	Response	Comment
Reference 1			
2.1.1	Public Entity Name:	City of Somerville	
2.1.2	Contact Person Name:	Terance Smith	
2.1.3	Address:	93 Highland Ave, Somerville MA 02143	
2.1.4	Telephone #:	617-625-6600	
Reference 2			
2.2.1	Public Entity Name:	City of Beverly	
2.2.2	Contact Person Name:	Mike Bouchard	
2.2.3	Address:	191 Cabot Street, Beverly MA 01915	
2.2.4	Telephone #:	781-838-2958	
Reference 3			
2.3.1	Public Entity Name:	City of Quincy	
2.3.2	Contact Person Name:	Steve Kubit	
2.3.3	Address:	55 Sea Street Quincy MA 02169	
2.3.4	Telephone #:	617-413-4942	
12 Questions			100.00% Complete



Question Set 3: Additional Background Information

#	Question	Response	Comment
Completion of Work History			
3.1.1	Have you ever failed to complete awarded work?	No	K5 Corporation has not failed to complete awarded work
3.1.2	If yes, state where and why:	N/A	NA
Sublet of Work			
3.2.1	Do you plan to sublet any part of the work?	No	K5 Corporation does not plan on subletting any of the work
3.2.2	If yes, please give details:	N/A	N/A
Paint Manufacturer			
3.3.1	Who is the paint manufacturer? [Please also attach manufacturer specification sheets on Bonfire for all paint and materials which will be used to perform work under resulting contracts.]	Poly Crab, Visibread, Potters Industries Inc., Franklin Paint, Ennis Traffic Safety, 3M	Manufacturer Specification Sheets are attached
Scheduling and Work Hours			
3.4.1	Are you available to work off-hours, including night hours, if so requested by the participating municipality(ies)?	Yes	K5 Corporation is available to work off-hours, including night hours requested by participating municipality(ies).
3.4.2	Do you have other scheduling limitations? If so, please list them.	no	K5 Corporation does not have any scheduling limitations.
7 Questions		100.00% Complete	

Traffic Guidelines BidTable (BT-17TX)

All-inclusive bids (materials and installation of traffic guidelines) shall be submitted covering labor, equipment, and materials for the items in the bid response.

Instructions

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- Please do not change the structure of any of the worksheets. Changing the structure will invalidate your submission.
- Any additional information outside of the given structure of the worksheets will not be visible to the purchaser.
- Please do not save this file in a different format. Saving this file in a different format will invalidate your submission.
- Please follow the instructions provided along with this file to submit it back to Bonfire.
- By default, every item has 'No Bid' selected for the 'Bid/No Bid Decision' column.
- If you decide to bid on an item, then you must select 'Bid' in the 'Bid/No Bid Decision' column and all of the other editable cells for the item must contain a valid value.
- If you decide not to bid on an item, then you must select 'No Bid' in the 'Bid/No Bid Decision' column and all of the other editable cells for the item must be blank.
- To submit additional bids for an item, you must go to the Additional Responses tab.
- If you decide to submit an additional response for an item, then you must also complete a primary response bid for that item.
- Every item has a unique item number found in column D. To submit an additional bid for an item, enter the item number from the Primary Responses sheet into the blank item number cell on the Additional Responses sheet (column D).
- Entering the item number on the Additional responses sheet will cause the line to populate with item-specific info. An additional response can now be completed by filling in the blank cells with the bid information you wish to submit.

Primary Responses

Success: All data is valid!

Status	Bid/No Bid Decision	#	Item	Numeric	
				Quantity Required	Total Cost

4" Single Yellow or White Lines (in Linear Feet)

Success: All values provided	Bid	#1-1	Epoxy Resin	38000	\$ 9,880.00
Success: All values provided	Bid	#1-2	Waterborne Paint	415488	\$ 18,696.96
Success: All values provided	Bid	#1-3	Hot Applied Waterborne Paint	734729	\$ 33,062.81
Success: All values provided	Bid	#1-4	Oil Base Paint	6800	\$ 306.00
Success: All values provided	Bid	#1-5	Thermo Plastic	0	\$ 0.00
Success: All values provided	Bid	#1-6	Pavement Marking Tape	0	\$ 0.00
Not Bidding	No Bid	#1-7	Pavement Marking Tape - Materials Only	0	-

Double Yellow Lines (Measure as a pair of 4" lines) (in Linear Feet)

Success: All values provided	Bid	#2-1	Epoxy Resin	34800	\$ 17,052.00
Success: All values provided	Bid	#2-2	Waterborne Paint	885160	\$ 74,353.44
Success: All values provided	Bid	#2-3	Hot Applied Waterborne Paint	603537	\$ 50,697.11
Success: All values provided	Bid	#2-4	Oil Base Paint	63000	\$ 5,292.00
Success: All values provided	Bid	#2-5	Thermo Plastic	0	\$ 0.00

Success: All values provided	Bid	#2-6	Pavement Marking Tape	0	\$ 3.900	\$ 0.00
Not Bidding	No Bid	#2-7	Pavement Marking Tape - Materials Only	0		

White Skip Lines; 15' segment & 30" skip (in Linear Feet)

Success: All values provided	Bid	#3-1	Epoxy Resin	0	\$ 0.260	\$ 0.00
Success: All values provided	Bid	#3-2	Waterborne Paint	0	\$ 0.045	\$ 0.00
Success: All values provided	Bid	#3-3	Hot Applied Waterborne Paint	0	\$ 0.045	\$ 0.00
Success: All values provided	Bid	#3-4	Oil Base Paint	4100	\$ 0.045	\$ 184.50
Success: All values provided	Bid	#3-5	Thermo Plastic	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#3-6	Pavement Marking Tape	0	\$ 1.900	\$ 0.00
Not Bidding	No Bid	#3-7	Pavement Marking Tape - Materials Only	0		

Yellow or white dotted lines 2'segment and 4' skip (in Linear Feet)

Success: All values provided	Bid	#4-1	Epoxy Resin	0	\$ 0.250	\$ 0.00
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Single Arrows: Thru Arrows 12.5 s.f.; Turn Arrows 15.5 s.f. (in Square Feet)

Success: All values provided	Bid	#5-1	Epoxy Resin	250	\$ 2.990	\$ 747.50
Success: All values provided	Bid	#5-2	Waterborne Paint	4000	\$ 0.930	\$ 3,720.00
Success: All values provided	Bid	#5-3	Hot Applied Waterborne Paint	0	\$ 0.950	\$ 0.00

Success: All values provided	Bid	#5-4	Oil Base Paint	102.5	\$ 0.950	\$ 97.38
Success: All values provided	Bid	#5-5	Thermo Plastic	0	\$ 6.000	\$ 0.00
Success: All values provided	Bid	#5-6	Pavement Marking Tape	0	\$ 6.000	\$ 0.00
Not Bidding	No Bid	#5-7	Pavement Marking Tape - Materials Only	0		

Combination Arrows - Two Way 27 s.f.; Three Way 28.5 s.f. (in Square Feet)

Success: All values provided	Bid	#6-1	Epoxy Resin	150	\$ 2.990	\$ 448.50
Success: All values provided	Bid	#6-2	Waterborne Paint	1000	\$ 0.930	\$ 930.00
Success: All values provided	Bid	#6-3	Hot Applied Waterborne Paint	0	\$ 0.950	\$ 0.00
Success: All values provided	Bid	#6-4	Oil Base Paint	2	\$ 0.950	\$ 1.90
Success: All values provided	Bid	#6-5	Thermo Plastic	0	\$ 6.000	\$ 0.00
Success: All values provided	Bid	#6-6	Pavement Marking Tape	0	\$ 6.000	\$ 0.00
Not Bidding	No Bid	#6-7	Pavement Marking Tape - Materials Only	0		

Parking Stalls 4" wide (in Square Feet)

Success: All values provided	Bid	#7-1	Epoxy Resin	500	\$ 4.000	\$ 2,000.00
Success: All values provided	Bid	#7-2	Waterborne Paint	1500	\$ 0.950	\$ 1,425.00
Success: All values provided	Bid	#7-3	Hot Applied Waterborne Paint	0	\$ 0.950	\$ 0.00

Success: All values provided	Bid	#7-4	Oil Base Paint	241	\$ 0.950	\$ 228.95
Success: All values provided	Bid	#7-5	Thermo Plastic	0	\$ 2.800	\$ 0.00
Success: All values provided	Bid	#7-6	Pavement Marking Tape	0	\$ 5.000	\$ 0.00
Not Bidding	No Bid	#7-7	Pavement Marking Tape - Materials Only	0		

Parallel T-Bar (in Square Feet)

Success: All values provided	Bid	#8-1	Epoxy Resin	500	\$ 4.000	\$ 2,000.00
Success: All values provided	Bid	#8-2	Waterborne Paint	0	\$ 0.950	\$ 0.00
Success: All values provided	Bid	#8-3	Hot Applied Waterborne Paint	0	\$ 0.950	\$ 0.00
Success: All values provided	Bid	#8-4	Oil Base Paint	0	\$ 0.950	\$ 0.00
Success: All values provided	Bid	#8-5	Thermo Plastic	0	\$ 2.800	\$ 0.00
Success: All values provided	Bid	#8-6	Pavement Marking Tape	0	\$ 5.000	\$ 0.00
Not Bidding	No Bid	#8-7	Pavement Marking Tape - Materials Only	0		

Crosswalks 6 inch (in Square Feet)

Success: All values provided	Bid	#9-1	Epoxy Resin	0	\$ 2.950	\$ 0.00
Success: All values provided	Bid	#9-2	Waterborne Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#9-3	Hot Applied Waterborne Paint	0	\$ 0.800	\$ 0.00

Success: All values provided	Bid	#9-4	Oil Base Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#9-5	Thermo Plastic	0	\$ 2.750	\$ 0.00
Success: All values provided	Bid	#9-6	Pavement Marking Tape	0	\$ 5.750	\$ 0.00
Not Bidding	No Bid	#9-7	Pavement Marking Tape - Materials Only	0		

Crosswalks 12 inch (in Square Feet)

Success: All values provided	Bid	#10-1	Epoxy Resin	0	\$ 2.950	\$ 0.00
Success: All values provided	Bid	#10-2	Waterborne Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#10-3	Hot Applied Waterborne Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#10-4	Oil Base Paint	11	\$ 0.800	\$ 8.80
Success: All values provided	Bid	#10-5	Thermo Plastic	0	\$ 2.750	\$ 0.00
Success: All values provided	Bid	#10-6	Pavement Marking Tape	0	\$ 5.750	\$ 0.00
Not Bidding	No Bid	#10-7	Pavement Marking Tape - Materials Only	0		

Crosswalk 12 inch with crosshatch (in Square Feet)

Success: All values provided	Bid	#11-1	Epoxy Resin	0	\$ 2.950	\$ 0.00
Success: All values provided	Bid	#11-2	Waterborne Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#11-3	Hot Applied Waterborne Paint	0	\$ 0.800	\$ 0.00

Success: All values provided	Bid	#11-4	Oil Base Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#11-5	Thermo Plastic	0	\$ 2.750	\$ 0.00
Success: All values provided	Bid	#11-6	Pavement Marking Tape	0	\$ 5.750	\$ 0.00
Not Bidding	No Bid	#11-7	Pavement Marking Tape - Materials Only	0		

Standard Crosswalk with 16" wide bars (in Square Feet)

Success: All values provided	Bid	#12-1	Epoxy Resin	6000	\$ 2.950	\$ 17,700.00
Success: All values provided	Bid	#12-2	Waterborne Paint	11300	\$ 0.800	\$ 9,040.00
Success: All values provided	Bid	#12-3	Hot Applied Waterborne Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#12-4	Oil Base Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#12-5	Thermo Plastic	0	\$ 2.750	\$ 0.00
Success: All values provided	Bid	#12-6	Pavement Marking Tape	0	\$ 5.750	\$ 0.00
Not Bidding	No Bid	#12-7	Pavement Marking Tape - Materials Only	0		

School/Elderly Standard Crosswalks with 2' wide bars (in Square Feet)

Success: All values provided	Bid	#13-1	Epoxy Resin	0	\$ 2.950	\$ 0.00
Success: All values provided	Bid	#13-2	Waterborne Paint	15892	\$ 0.800	\$ 12,713.60
Success: All values provided	Bid	#13-3	Hot Applied Waterborne Paint	0	\$ 0.800	\$ 0.00

Success: All values provided	Bid	#13-4	Oil Base Paint	3	\$ 0.800	\$ 2.40
Success: All values provided	Bid	#13-5	Thermo Plastic	0	\$ 2.750	\$ 0.00
Success: All values provided	Bid	#13-6	Pavement Marking Tape	0	\$ 5.750	\$ 0.00
Not Bidding	No Bid	#13-7	Pavement Marking Tape - Materials Only	0		

Miscellaneous Detail (in Square Feet)

Success: All values provided	Bid	#14-1	Epoxy Resin	700	\$ 4.000	\$ 2,800.00
Success: All values provided	Bid	#14-2	Waterborne Paint	500	\$ 0.800	\$ 400.00
Success: All values provided	Bid	#14-3	Hot Applied Waterborne Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#14-4	Oil Base Paint	15	\$ 0.800	\$ 12.00
Success: All values provided	Bid	#14-5	Thermo Plastic	0	\$ 2.750	\$ 0.00
Success: All values provided	Bid	#14-6	Pavement Marking Tape	0	\$ 5.750	\$ 0.00
Not Bidding	No Bid	#14-7	Pavement Marking Tape - Materials Only	0		

Railroad Crossing (20' x 8' x 16": 67.5 s.f.) (in Square Feet)

Success: All values provided	Bid	#15-1	Epoxy Resin	0	\$ 2.990	\$ 0.00
Success: All values provided	Bid	#15-2	Waterborne Paint	1809	\$ 0.800	\$ 1,447.20
Success: All values provided	Bid	#15-3	Hot Applied Waterborne Paint	0	\$ 0.800	\$ 0.00

Success: All values provided	Bid	#15-4	Oil Base Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#15-5	Thermo Plastic	0	\$ 2.750	\$ 0.00
Success: All values provided	Bid	#15-6	Pavement Marking Tape	0	\$ 5.750	\$ 0.00
Not Bidding	No Bid	#15-7	Pavement Marking Tape - Materials Only	0		

Bicycle Path Diamonds (4 sides each measuring 3' x 6") (in Square Feet)

Success: All values provided	Bid	#16-1	Epoxy Resin	0	\$ 3.950	\$ 0.00
Success: All values provided	Bid	#16-2	Waterborne Paint	0	\$ 0.900	\$ 0.00
Success: All values provided	Bid	#16-3	Hot Applied Waterborne Paint	0	\$ 0.900	\$ 0.00
Success: All values provided	Bid	#16-4	Oil Base Paint	0	\$ 0.900	\$ 0.00
Success: All values provided	Bid	#16-5	Thermo Plastic	0	\$ 2.750	\$ 0.00
Success: All values provided	Bid	#16-6	Pavement Marking Tape	0	\$ 5.750	\$ 0.00
Not Bidding	No Bid	#16-7	Pavement Marking Tape - Materials Only	0		

Stenciling (letters and numbers) (in Square Feet)

Success: All values provided	Bid	#17-1	Epoxy Resin	300	\$ 10.000	\$ 3,000.00
Success: All values provided	Bid	#17-2	Waterborne Paint	120	\$ 0.900	\$ 108.00
Success: All values provided	Bid	#17-3	Hot Applied Waterborne Paint	0	\$ 0.900	\$ 0.00

Success: All values provided	Bid	#17-4	Oil Base Paint	0	\$ 0.900	\$ 0.00
Success: All values provided	Bid	#17-5	Thermo Plastic	0	\$ 6.000	\$ 0.00
Success: All values provided	Bid	#17-6	Pavement Marking Tape	0	\$ 7.000	\$ 0.00
Not Bidding	No Bid	#17-7	Pavement Marking Tape - Materials Only	0		

Bicycle Symbol with Arrow (Each)

Success: All values provided	Bid	#18-1	Epoxy Resin	40	\$ 100.000	\$ 4,000.00
Success: All values provided	Bid	#18-2	Waterborne Paint	20	\$ 70.000	\$ 1,400.00
Success: All values provided	Bid	#18-3	Hot Applied Waterborne Paint	0	\$ 70.000	\$ 0.00
Success: All values provided	Bid	#18-4	Oil Base Paint	0	\$ 70.000	\$ 0.00
Success: All values provided	Bid	#18-5	Thermo Plastic	0	\$ 180.000	\$ 0.00
Success: All values provided	Bid	#18-6	Pavement Marking Tape	0	\$ 280.000	\$ 0.00
Not Bidding	No Bid	#18-7	Pavement Marking Tape - Materials Only	0		

Curbs (in Linear Feet)

Success: All values provided	Bid	#19-1	Epoxy Resin	0	\$ 290.000	\$ 0.00
Success: All values provided	Bid	#19-2	Waterborne Paint	0	\$ 0.350	\$ 0.00
Success: All values provided	Bid	#19-3	Hot Applied Waterborne Paint	0	\$ 0.350	\$ 0.00

Success: All values provided	Bid	#19-4	Oil Base Paint	0	\$ 0.350	\$ 0.00
Not Bidding	No Bid	#19-5	Thermo Plastic	0		
Not Bidding	No Bid	#19-6	Pavement Marking Tape	0		
Not Bidding	No Bid	#19-7	Pavement Marking Tape - Materials Only	0		

Handicapped Stencils (Each)

Success: All values provided	Bid	#20-1	Epoxy Resin	5	\$ 50.000	\$ 250.00
Success: All values provided	Bid	#20-2	Waterborne Paint	16	\$ 20.000	\$ 320.00
Success: All values provided	Bid	#20-3	Hot Applied Waterborne Paint	0	\$ 20.000	\$ 0.00
Success: All values provided	Bid	#20-4	Oil Base Paint	13	\$ 20.000	\$ 260.00
Not Bidding	No Bid	#20-5	Thermo Plastic	0		
Success: All values provided	Bid	#20-6	Pavement Marking Tape	0	\$ 250.000	\$ 0.00
Not Bidding	No Bid	#20-7	Pavement Marking Tape - Materials Only	0		

Removal of Markings (in Square Feet)

Success: All values provided	Bid	#21-1	Epoxy Resin	200	\$ 1.100	\$ 220.00
Success: All values provided	Bid	#21-2	Waterborne Paint	200	\$ 1.000	\$ 200.00
Success: All values provided	Bid	#21-3	Hot Applied Waterborne Paint	0	\$ 1.000	\$ 0.00

Success: All values provided	Bid	#21-4	Oil Base Paint	0	\$ 1,000	\$ 0.00
Success: All values provided	Bid	#21-5	Thermo Plastic	0	\$ 1,100	\$ 0.00
Success: All values provided	Bid	#21-6	Pavement Marking Tape	0	\$ 1,100	\$ 0.00
Not Bidding	No Bid	#21-7	Pavement Marking Tape - Materials Only	0		-

12" stop bars (in Square Feet)

Success: All values provided	Bid	#22-1	Epoxy Resin	1200	\$ 2,950	\$ 3,540.00
Success: All values provided	Bid	#22-2	Waterborne Paint	20331	\$ 0.800	\$ 16,264.80
Success: All values provided	Bid	#22-3	Hot Applied Waterborne Paint	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#22-4	Oil Base Paint	102	\$ 0.800	\$ 81.60
Success: All values provided	Bid	#22-5	Thermo Plastic	0	\$ 2,750	\$ 0.00
Success: All values provided	Bid	#22-6	Pavement Marking Tape	0	\$ 5,750	\$ 0.00
Not Bidding	No Bid	#22-7	Pavement Marking Tape - Materials Only	0		-

Sharrows (Each)

Success: All values provided	Bid	#23-1	Epoxy Resin	60	\$ 95,000	\$ 5,700.00
Success: All values provided	Bid	#23-2	Waterborne Paint	20	\$ 60,000	\$ 1,200.00
Success: All values provided	Bid	#23-3	Hot Applied Waterborne Paint	0	\$ 60,000	\$ 0.00

Success: All values provided	Bid	#23-4	Oil Base Paint	0	\$ 60.000	\$ 0.00
Not Bidding	No Bid	#23-5	Thermo Plastic	0		
Success: All values provided	Bid	#23-6	Pavement Marking Tape	0	\$ 350.000	\$ 0.00
Not Bidding	No Bid	#23-7	Pavement Marking Tape - Materials Only	0		

Yield Bar (Each)

Success: All values provided	Bid	#24-1	Epoxy	4	\$ 120.000	\$ 480.00
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White Skip Lines; 10' segment & 30' skip

Success: All values provided	Bid	#25-1	Epoxy Resin	700	\$ 0.260	\$ 182.00
Success: All values provided	Bid	#25-2	Waterborne Paint	38122	\$ 0.045	\$ 1,715.49
Success: All values provided	Bid	#25-3	Hot Applied Waterborne Paint	46432	\$ 0.045	\$ 2,089.44
Success: All values provided	Bid	#25-4	Oil Base Paint	0	\$ 0.045	\$ 0.00
Success: All values provided	Bid	#25-5	Thermo Plastic	0	\$ 0.800	\$ 0.00
Success: All values provided	Bid	#25-6	Pavement Marking Tape	0	\$ 1.900	\$ 0.00
Not Bidding	No Bid	#25-7	Pavement Marking Tape - Materials Only	0		

80 MIL Pavement Marking Grooves 5" Wide

Success: All values provided	Bid	#26-1	80 MIL Pavement Marking Groove 5" Wide	0	\$ 0.500	\$ 0.00
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80 MIL Pavement Marking Grooves 7" Wide

Success: All values provided	Bid	#27-1	80 MIL Pavement Marking Groove 7" Wide	0	\$ 0.740	\$ 0.00
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80 MIL Pavement Marking Grooves 9" Wide

Success: All values provided	Bid	#28-1	80 MIL Pavement Marking Groove 9" Wide	0	\$ 0.900	\$ 0.00
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80 MIL Pavement Marking Grooves 13" Wide

Success: All values provided	Bid	#29-1	80 MIL Pavement Marking Groove 13" Wide	0	\$ 1.200	\$ 0.00
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**CAPITOL REGION PURCHASING COUNCIL
INVITATION FOR BID
TRAFFIC GUIDELINES**

BID SPECIFICATION

I. MODIFICATIONS TO STANDARD TERMS AND CONDITIONS

INTENT

The Capitol Region Purchasing Council, on behalf of certain CRPC members, requests bids for TRAFFIC GUIDELINES for the contract period of January 1, 2021 through December 31, 2021. Each respective CRPC member will make its own awards and payments according to the terms and conditions set forth in these specifications. A written order from each CRPC member will be required before any work is started, and shall contain information concerning the quantity and type of traffic guidelines required, the desired materials to be used, the preferred work schedule, and any other relevant data.

In general, the specifications in the federal government's Manual on Uniform Traffic Control Devices (MUTCD) 2003 edition, as amended and the State of Connecticut Department of Transportation's Standard Specifications for Roads, Bridges and Incidental Construction (Form 816), as amended will apply. A copy of Form 816 may be downloaded off of the CONNDOT website at <http://www.ct.gov/dot/cwp/view.asp?a=1385&Q=506628&PM=1>. In general, specifications for pavement marking tape found in ASTM D4505 will apply.

BID AWARD

A bid award shall be made by each respective CRPC member to the lowest responsible bidder(s). The lowest responsible bidder is that person or firm whose bid to perform the work is lowest, who is qualified and competent to do the work, whose past performance of work is satisfactory to the CRPC member and whose bid documents comply with the procedural requirements stated herein. The award process may also include additional considerations such as the information provided on the bid forms and the bidder's perceived ability to fulfill his/her obligations as prescribed by these specifications.

Each bidder must be prepared to show evidence of having satisfactorily carried out a similar contract, as inability to do so may be cause for rejection. Note that service and scheduling shall be major factors in awarding the contract, and shall consist of the contractor's availability to return to do small jobs during the contract period, as well as to perform work during off-hours (e.g., nights, weekends). Note that the CRPC members reserve the right to make their awards

on a section-by-section basis in order to take advantage of the most favorable bid price for each item.

ESTIMATED QUANTITIES

The quantities specified herein are estimates only and have been provided for the purpose of competitive bidding. Actual quantities will be contingent upon the total number of CRPC members which decide to make an award off this bid (as participation is voluntary), the needs of the using departments of the various CRPC members and changes in State Traffic Commission regulations. Furthermore, budget reductions may make it impossible for a CRPC member to undertake some or all of the proposed work. The determination of the type of lines to be used will be made by the individual CRPC member under the guidance of the State Traffic Commission.

INSURANCE

All respondents are required to submit, **with their bids**, a copy of the cover sheet from their insurance policy(ies) (or an equivalent piece of documentation) which demonstrates the firm's current coverages and limits for General Liability, Automobile Liability and Worker's Compensation Insurance.

BID SURETY

A bid bond is not required for this bid. A performance bond in the amount of one hundred percent (100%) of each Purchase Order may be required of the successful bidder.

II. TECHNICAL SPECIFICATION, ADDITIONAL REQUIREMENTS

1. GENERAL DESCRIPTION OF WORK TO BE ACCOMPLISHED

The awarded contractor(s) shall be responsible for providing high quality PAVEMENT MARKINGS services in accordance with the attached specifications. All work performed shall be done in conformance with applicable sections of the Manual of Uniform Traffic Controls (MUTCD) 2003 edition as amended and the State of Connecticut Department of Transportation's Standard Specifications for Roads, Bridges and Incidental Construction Form 816, as amended. Pavement Marking Tape shall conform with the ASTM D4505 standard.

For painted markings, the drop-on method of application shall be used, consisting of a combination of pigmented binder and glass spheres, which will provide a reflective surface marking on highway pavements. All paint used must be compliant with applicable federal, state or local environmental regulations.

Pavement marking tape shall comply with the specifications in ASTM D4505 of latest issue.

2. SCOPE OF SERVICES

All-inclusive bids (materials and installation of traffic guidelines) shall be submitted covering labor, equipment and materials for the items listed in the bid response. Such work shall include related clean-up, control of location points, protection of the line, and traffic control, as described below.

a. Clean Up:

Upon suspension or completion of the work, the Contractor shall remove all materials, equipment and rubbish and shall leave the premises in a neat and orderly condition.

b. Control of Location Points:

All layout work shall be the responsibility of the Contractor and the Contractor shall also be responsible for establishing location points of solid or center lines in accordance with State Traffic Commission Regulations. Any special situations shall be referred to the Supervisor for instructions. Guidelines shall meet all pedestrian crosswalk lines and not cross them. At intersections which do not have pedestrian crosswalks marked, the Contractor shall stop his markings at points designated or as ordered by the Supervisor.

c. Protection of the Line:

The Contractor shall furnish all guards or forms of protection of approved design to protect the markings from all traffic until it is hard dry to no pickup and suitable for use. The Contractor shall use every precaution to protect newly painted lines from tracking, and to prevent spilling of paint on the pavement. To supplement the line guards, should the Supervisor deem it necessary, the services of a uniformed town police officer or officers will be requested from the Police Department.

d. Traffic Control Work:

As markings are to be applied on heavily traveled streets, the proper handling of traffic is a major consideration. Traffic shall not be impeded and work shall be carried out in such locations and at such times and sections as the Supervisor may direct. All work must be done with a minimum of inconvenience to the general public. In areas of high traffic volume, the work may have to be done during off-peak hours, including evening/weekend hours.

3. **DEFINITIONS: CONTRACTORS TO SUBMIT PLANS, ETC.**

Traffic Supervisor, or Supervisor, as used herein, shall mean the Traffic Authority of any CRPC member or the authorized agent.

CRPC member as used herein shall mean all of the CRPC members party hereto or any single CRPC member included, depending upon the proper meaning of the article or clause.

When requested to do so by the Traffic Supervisor, the Contractor shall furnish the CRPC member with a plan or a written statement of methods, which the Contractor proposes to use, and said plans or methods shall be approved by the Supervisor before any work proceeds.

4. **EMPLOYEES**

The Contractor shall employ only competent, faithful and skilled persons to do the work. Whenever the Supervisor shall notify the Contractor that any person on the job is, in his opinion, incompetent or unfaithful, such person shall be discharged promptly from the work and shall not be employed again on the job.

5. **EXPERIENCE**

Each respondent must submit satisfactory evidence as part of their bid proposal demonstrating experience painting traffic lines on public roads and knowledge of regulations established by the State Traffic Commission, including the most recent regulations. The Contractor shall further guarantee that any employee operating traffic line marking machinery is experienced in operating a machine of this type and competent in its use.

A list of at least three (3) municipalities/public agencies where this type of work has been performed during the past two (2) years shall be furnished, including contact persons and phone numbers. (See the bid specific Information Sheet.)

6. **TIME OF STARTING AND COMPLETION**

The Contractor may be requested to start work within seven (7) days of receipt of order, depending on the agreement with the Supervisor of any single CRPC member awarding such contract. All work under any contract awarded as a result of this bid shall be completed within thirty (30) days of receipt of the order unless a specific agreement with a particular Supervisor provides for a later completion date. If physical conditions prevent adherence to this time schedule, the Supervisor of the particular CRPC member shall make arrangements necessary for performance of the work. It is understood that a CRPC member may take appropriate action if an unreasonable delay is encountered beyond the thirty (30) day period mentioned above.

It is also understood that should delays occur, the Contractor will prioritize rescheduling efforts to expedite completion and minimize CRPC member exposure from unmarked roadways.

Note: Equipment breakdown shall not be considered a valid cause for a time extension request. The contractor shall be expected to have backup equipment available.

7. **LIQUIDATED DAMAGES**

The Contractor agrees that the municipality may retain the sum of One Hundred Dollars (\$100) from the amount of the compensation to be paid to the Contractor for each day in excess of the number of working days stipulated in the Specifications that work remains incomplete. This amount is agreed upon as the proper measure of liquidated damages which the municipality will sustain per day by failure of the Contractor to complete the work within the number of working days stipulated. This is not to be

construed in any sense as a penalty. **A CRPC member may, at its discretion, require a performance bond of 100% of the value of the contract to ensure the prompt and satisfactory completion of the work.**

8. **DEFINITION OF WORKING DAYS**

Working days are hereby defined as follows: A calendar day of eight (8) working hours; holidays and periods of inclement weather during which no work is done are excluded. **Note that many of the participating CRPC members will require some or all of their work to be done during off hours (e.g., nights, weekends). Accordingly, respondents are asked to verify their availability to do work at such time for any requesting community on the bid's Information Sheet.**

9. **PAVEMENTS TO BE MARKED**

Markings shall be applied mainly on sheet asphalt and bituminous concrete pavements.

10. **MATERIALS**

All materials shall be in accordance with the State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction Form 816, as amended unless otherwise noted:

Paint:

All Paint shall:

- a. Meet applicable requirements for:
 - Waterborne Paint - Section M.07.20
 - Hot-Applied Waterborne Paint – Section M.07.21
 - Oil-Based paint - DOT Form 814a, Section M.07.20, 15 Minute Dry Pavement Marking Paint, (attached).
- b. Be compliant with all federal, state and local environmental regulations.
- c. Be highly resistant to traffic wear and the effects of weathering.

It should be noted that Waterborne, Hot Applied Waterborne and Oil-Based Paint options are available as part of this bidding effort to meet the needs and preferences of all participating CRPC members. **Respondents are asked to include, as part of their response, a manufacturer spec sheet for the paint that will be used to perform the work.**

Glass Beads:

Standard reflectorizing glass beads, in accordance with Section M.07.30, are required for application of traffic paint to produce a reflective surface. The glass beads shall be manufactured of glass of a composition designed to be highly resistant to traffic wear and the effects of weathering.

Thermoplastic Material:

Some CRPC members may require the use of thermoplastic material in lieu of paint for certain detail work in specific locations. Material used for this purpose and the method of application shall have been proven to be satisfactory. **Respondents are asked to include, as part of their response, a manufacturer spec sheet for the material that will be used to perform the work.**

Epoxy Resin Pavement Markings:

CRPC members may require epoxy resin pavement markings. To this end, vendors shall furnish and install epoxy resin pavement markings in accordance with Section 12.10 - Epoxy Resin Pavement Markings, Symbols, and Legends and Section M.07.22 - Epoxy Resin Pavement Markings. **Respondents are asked to include, as part of their response, a manufacturer spec sheet for the material that will be used to perform the work.**

Pavement Marking Tape

CRPC members may require permanent pavement marking tape. To this end, vendors shall furnish, install, and remove pavement markings in accordance with ASTM D4505 of latest issue. **Respondents are asked to include, as part of their response, a manufacturer spec sheet for the material that will be used to perform the work.**

11. METHOD OF CONSTRUCTION FOR PAINT

Equipment:

On the information sheet, each respondent shall note all equipment that he/she owns and will use in performing this contract. The respondent shall also indicate any other machines available to him/her through lease, etc. Hot application may be required for painting lines, either white, yellow or both.

Procedure

The surface upon which marking materials are to be applied shall be completely dry and free from moisture and dirt. Sufficient time must elapse after any rain or heavy dew to allow the surface to become thoroughly dry prior to placing any reflective material. Marking material shall be applied only under favorable and suitable conditions, and no marking material shall be placed unless the air or pavement temperature is 45° or above. The Contractor will be held liable for any marking material applied which does not stand up to normal traffic uses for a period of ninety (90) days.

The pigmented binder shall be applied by a self-propelled, motorized, paint spray machine capable of supplying traffic marking paints. It shall be capable of painting double lines at one time and simultaneously depositing reflecting glass beads on both lines in equal volume.

The painting shall be accomplished in a workmanlike manner, with lines well defined. The binder shall be applied to a wet film thickness of .015 inches (unless otherwise specified by a municipality) and at a rate of not less than one hundred (100) square feet and not more than one hundred ten (110) square feet of surface per gallon of binder.

The glass spheres shall be applied immediately to the pigmented binder following application at a rate of six (6) pounds per gallon of binder.

The glass spheres shall be evenly distributed over the entire width of the line. It is intended that the pigmented binder will bind the glass spheres in such a manner that it will produce maximum adhesion, refraction and reflection.

Maintenance

The Contractor shall keep and maintain their work in good repair for a period of ninety (90) days from the date of completion of the work on the respective streets. It is agreed and understood that the Contractor will at any time during this period, upon notification in writing from the Supervisor, and without expense to the CRPC member, immediately execute all repairs which may be necessary, as determined by said Supervisor by reason of defective workmanship or pavement/roadway use.

12. **PAVEMENT PATCHES**

The Contractor will not be held liable for markings applied over utility cuts in the pavement or for any cuts in the pavement after line has been marked.

13. **PAVEMENT MARKINGS**

A. Pavement Lines

Paint shall be applied by truck and include centerlines, lane lines and shoulder lines. Pavement Marking Tape shall be precoated, on its bottom side, with a pressure-sensitive adhesive for adherence to HMA or PCC surfaces. Pavement Marking Tape shall be of the specified dimension and shape with clean-cut, well-defined edges, of good appearance, and free of cracks or other defects.

Unless otherwise noted, the price shall be per **linear foot** (lf) of paint/tape applied to the pavement.

Centerlines:

Shall be four (4) inches wide (single or double), white or yellow lines, and may include centerline tails on stop bars. For painted lines, the drop-on method of application shall be used, consisting of a combination of pigmented binder and glass spheres which, when properly applied, will provide a retrodirective reflecting marking for horizontal highway surfaces. Single and double line bids shall be per linear foot.

Skip Lines:

Shall be four (4) inches wide; white lines, consisting of a fifteen (15) foot segment and thirty (30) foot skip, except as directed by the Supervisor. On a street with more than one guideline, the sections shall line up approximately across the street. Enfield, Manchester, Rocky Hill, West Hartford and Windsor included requirements for a ten (10) foot segment and a thirty (30) foot skip. Note: this item shall be measured and priced per linear foot; only sections of pavement where markings are actually applied (not bare pavement) shall be included in the payment calculation.

Pavement Lane/Edge Lines:

Shall be four (4) inches; white or yellow lines, as directed by each municipality. This category is intended to cover the varied needs of the participating towns. Work covered hereunder may therefore include edge lines, shoulder lines, median lines, etc.

B. Painted Legends, Arrows and Markings

Paint shall be applied by a hand-stripping machine. Pavement Marking Tape shall be precoated, on its bottom side, with a pressure-sensitive adhesive for adherence to HMA or PCC surfaces. Pavement Marking Tape shall be of the specified dimension and shape with clean-cut, well-defined edges, of good appearance, and free of cracks or other defects.

Markings shall include stop bars, arrows, parking stalls, crosswalks, curbs and other miscellaneous details. Unless otherwise noted, price shall be per **square foot** applied to the pavement.

Note: Attached are the Connecticut DOT "Special Details and Typical Pavement Markings for Two-Way Highways" sheet and a CRCOG-generated "Supplemental Pavement Marking Special Details" sheet that was created for illustrative purposes only. As the latter document states, the awarded Contractor(s) shall consult with authorized municipal representatives to verify/finalize municipality specific dimensions and stenciling requirements.

Stop Bar Lines:

Shall be a minimum twelve (12) inches wide; solid white lines, normally four (4) feet in advance of and parallel to the nearest crosswalk line.

Arrows:

On public streets, arrows shall be white and to dimensions shown in the attached detail. Off streets, arrows shall be white unless otherwise directed.

Parking Stall Lines and Parallel Parking T-Bars:

Lines shall be four (4) inches wide, solid white lines or the color directed by the municipality.

Crosswalks:

Crosswalks utilizing parallel lines shall have a minimum six (6) inches wide white line to a maximum twenty-four (24) inches wide white line spaced not less than six (6) feet apart. Cross-hatching may be required in some cases.

An alternate crosswalk specification for the State of Connecticut Department of Transportation Standard Crosswalk requires 16" wide bars or 24" wide bars at School/Elderly crossings (see attached diagram). These crosswalk specifications are optional and are **not mandated** by state law.

Miscellaneous Detail Work:

This category is intended to cover a broad range of detail work, including, but not limited to railroad crossings, bicycle path diamonds, sharrows, stenciling, speed bumps, crosshatching, and fire lanes.

Railroad Crossings

At grade railroad crossings shall be painted with reflectorized white marking paint/tape. They shall consist of an X, the letters RR and transverse lines (stop bars) as shown on the attached detail.

Stenciling Work

Shall include painting of numbers, words and symbols in the color directed by the municipality.

Curbs:

Shall be painted yellow or the color directed by the municipality. Note that curb work shall be priced by the linear foot.

Handicapped Stencils:

To be priced per each.

14. **REMOVAL OF MARKINGS**

The removal of painted or pavement marking tape markings shall be performed in accordance with Section 12.11 of the State of Connecticut Department of Transportation's Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, as amended.

15. **BASIS FOR PAYMENT**

In estimating the length of centerlines, CRPC members have included the length of gaps in broken lines. Billing shall be figured for these total lengths, but it is not intended that payment will be made for the gaps in which no paint/tape is applied. Quotations should, therefore, take into consideration the fact that a certain portion of the broken line lengths will not require paint/tape. The Contractor will measure for payment the actual footage of other markings applied, subject to review by the Supervisor.

In general, paint applied by truck mounted machine will be paid for at the unit price per linear foot (LF) and paint applied by hand machine will be paid for at the unit price per square foot (SF) for the type of paint applied.

16. **VENDOR PERFORMANCE/LIABILITY FOR SERVICE FAILURES**

Failure of any successful bidder to adhere to the specifications, prices, terms or conditions of their agreement during the course of the contract period may preclude such bidder from bidding on future CRPC bids in addition to any action that municipalities may take as a result of the vendor's failure to perform. It should be noted that the awarded vendor shall assume full responsibility for the negligence of any sub-contractor(s) utilized to fulfill any and all obligations under resulting contracts. Moreover, if the contractor fails to provide the contracted services within the time specified or if the services are rejected by the municipality, the municipality may obtain such services or any part thereof from other sources in the open market or on contract. Should the new price be greater than the contract price, the difference will be charged against the contractor. Should the new price be less, the contractor shall have no claim to the difference.

II. STANDARD BID AND RFP TERMS AND CONDITIONS

PURCHASING COUNCIL PURPOSE

The Capitol Region Purchasing Council ("CRPC") is a purchasing cooperative, acting under the auspices of the Capitol Region Council of Governments ("CRCOG"), which attempts to provide volume-based discounts to its Member Agency base through various cooperative procurement initiatives. To date, some **115** towns, boards of education and agencies across the State (38 of which are located in the Greater Hartford area) are eligible to take advantage of the Council's services.

BID FORMS/SUBMISSION OF BIDS

The CRPC uses Bonfire for the notification and dissemination of all solicitations. The receipt of solicitations through any other company may result in your receipt of incomplete specifications and/or addenda which could ultimately render your bid non-compliant. The CRPC accepts no responsibility for the receipt and/or notification of solicitations through any other company.

No oral, telegraphic or telephonic submittal will be accepted. IFB's, RFP's, RFQ's and RFI's shall be submitted in electronic format via **Bonfire**. All Invitations For Bid (IFB), Requests For Proposals (RFP), Requests For Quotes (RFQ), Requests For Information (RFI) submitted electronically via **Bonfire** shall remain locked until official date and time of opening as stated in

the Special Terms and Conditions of the IFB, RFP, RFQ and/or RFI. A formal, in-person bid opening will not be held.

EXCEPTIONS TO SPECIFICATIONS

Vendors are directed to make sure that they understand the terms and conditions as specified in this Invitation for Bid. Unless exceptions to any of the terms and conditions, including pricing, are specified as part of the bid response, it will be expected that all terms and conditions expressed herein are acceptable and shall govern resulting contracts. **Any variance from specifications, including product substitutes (as well as replacements for discontinued items) and pricing units (pounds, 50 lb bags vs. 100 lb bags, etc.) must be clearly noted in the vendor's bid response.**

SUBSTITUTION FOR NAMED BRANDS

Should brand name items appear in this bid, the bidder must make available specifications on any substitutions, and explain how the substitution compares with the named brand's specifications.

BID AWARD

A bid award, in the form of a purchase order issued to a participating vendor, shall be made by each respective Member Agency to the lowest responsible bidder(s). The lowest responsible bidder is that person or firm whose bid to perform the work is lowest, who is qualified and competent to do the work, whose past performance of work is satisfactory to the Member Agency and whose bid documents comply with the procedural requirements stated herein. The award process may also include additional considerations such as the information provided on the bid forms and the bidder's perceived ability to fulfill his/her obligations as prescribed by these specifications. Each bidder must be prepared to show evidence of having satisfactorily carried out a similar contract, as inability to do so may be cause for rejection.

CONTRACT EXTENSION

Contracts may be extended by mutual agreement of the parties – for bids with a one year contract period, a one year extension will be permitted if there is mutual agreement; for bids with a two year contract period, a two year contract extension will be permitted if there is mutual agreement. **All extensions shall be completed before the next bid invitation is issued.** A schedule of bid invitations and openings is posted on the CRPC website.

ESTIMATED QUANTITIES

The quantities as listed herein are estimates only and have been provided for the purpose of competitive bidding. Actual quantities will be contingent upon the total number of Member Agencies that decide to make an award from this bid (as participation is voluntary) and the needs of the using departments in the various Member Agencies.

INCLUSION OF NON-PARTICIPATING TOWNS AND BOARDS OF EDUCATION

Any Member Agency, current or future, within the CRPC shall be allowed to participate in this bid during the life of the contract, even if it is not listed amongst the bid participants.

WITHDRAWAL OF BIDS

No bid submitted may be withdrawn, in whole or in part, without the written consent of the CRPC.

REJECTION AND/OR CANCELLATION OF BIDS

The CRPC reserves the right to reject or cancel any and all bids, or any part of any or all bids, if such action is deemed to be in its best interest to do so.

RIGHT TO WAIVE ANY INFORMALITY

The cooperating Member Agencies reserve the right to waive any informality in a bid when such a waiver is in their best interest.

BID PRICES

All prices bid must be on the basis of F.O.B. delivery point, unloaded inside, unless otherwise indicated in the proposal. A bid on any other basis than that indicated in the proposal may be considered informal. **Note: CRPC strictly prohibits the unilateral imposition of additional surcharges (fuel, delivery, etc.) on the participating communities at any point during the contract period. Prices bid shall apply throughout the term of the contract and will be construed as all-inclusive.**

TAXES

Member Agencies are exempt from the payment of any sales, excise or federal transportation taxes. The prices bid, whether a net unit price or a trade discount from catalog list prices, must be exclusive of taxes and will be so construed.

BILLING

Billing shall be made to each bid participant according to the terms set forth on each purchase order.

1% ADMINISTRATIVE FEE

The Capitol Region Council of Governments uses Bonfire to distribute and receive bids and proposals. **Responding vendors agree to pay to the CRCOG an administrative fee of one percent (1%) of the total ordered amount of all contracts for goods and/or services awarded to the vendor.** This fee shall be submitted by the vendor to CRCOG on a quarterly basis along with a report on awards made by Member Agencies and purchase orders issued by CRPC members to vendors. The fee shall be payable for all CRPC bids unless specifically exempted by the CRPC.

The fee and report shall be submitted as a check to made to the order of “Capitol Region Council of Governments” and mailed to:

Capitol Region Council of Governments

Attn: Kim Bona

241 Main Street, 4th

Hartford, CT 06106

REPORTING REQUIREMENTS

All orders placed on CRPC bids shall be reported to the Capitol Region Council of Governments on a monthly or quarterly basis. Vendors are responsible for submitting purchase orders to the CRCOG via email to kbona@crcog.org.

FAILURE TO COMPLY

All awarded vendors must comply with the 1% Administrative Fee and Reporting Requirements outlined in the CRPC General Terms and Conditions. Failure to comply within 60 days of orders and/or awards by CRPC members may result in the vendor being restricted from participating in future bids.

DELIVERY ARRANGEMENTS AND REQUIREMENTS

No delivery shall become due or be acceptable without a written order issued by the Member Agency concerned. Such order will contain the quantity, time of delivery and other important data.

REFERENCES

Upon request, vendors shall supply the names of other customers (preferably municipalities) to interested Member Agencies.

BIDDER PERFORMANCE/LIABILITY FOR DELIVERY FAILURES

Failure of any successful bidder to adhere to specifications, prices, terms or conditions of their agreement during the course of the contract period may preclude such bidder from bidding on future CRPC bids in addition to any action that Member Agencies may take as a result of the vendor's failure to perform. It should be noted that the awarded vendor shall assume full responsibility for the negligence of any sub-contractor(s) utilized to fulfill any and all obligations under resulting contracts.

Moreover, if the contractor fails to make proper delivery within the time specified or if the delivery is rejected by the Member Agency, the Member Agency may obtain such commodities or any part thereof from other sources in the open market or on contract. Should the new price be greater than the contract price, the difference will be charged against the contractor. Should the new price be less, the contractor shall have no claim to the difference.

INSURANCE REQUIRED OF SUCCESSFUL BIDDERS

The Successful bidder shall furnish a certificate of insurance which includes the coverages and limits set forth below; identifies the Member Agency as an additional insured; and provides for at least ten (10) days prior notice to the Member Agency of cancellation or non-renewal.

Coverage is to be provided on a primary, non-contributory basis:

- a. General Liability Insurance, including Contractual Liability Insurance and Products/Completed Operations Insurance issued by an insurance company licensed to conduct business in the State of Connecticut with: limits not less than \$1,000,000 for all damages because of bodily injury sustained by each person as the result of any occurrence and \$1,000,000 bodily injury aggregate per policy year; and limits of \$500,000 for all property damage aggregate per policy year or a limit of \$1,000,000 Combined Single Limit (CSL). A Waiver of Subrogation shall be provided. All, if any, deductibles are the sole responsibility of the contractor to pay and/or indemnify.

- b. Automobile Liability Insurance issued by an insurance company licensed to conduct business in the State of Connecticut with: limits not less than \$1,000,000 for all damages because of bodily injury sustained by each person as a result of any occurrence and \$1,000,000 aggregate per policy year; and limits of \$500,000 for all damages because of property damage sustained as the result of any one occurrence or \$1,000,000 Combined Single Limit (CSL). All, if any, deductibles are the sole responsibility of the contractor to pay and/or indemnify.
- c. Worker's Compensation Insurance in accordance with Connecticut State Statutes.

The insurance requirements listed above are minimum requirements for successful bidders. Awarding agencies may require higher insurance limits.

FOR THE TOWN OF WEST HARTFORD ONLY

Please see the Attachment concerning the town's insurance requirements.

FUTURE BID INVITATIONS

Future bid invitations may not be sent to vendors who do not bid on this invitation, unless they specifically request that their names be continued on the invitation list.

EQUAL EMPLOYMENT OPPORTUNITY/AFFIRMATIVE ACTION

The CRPC, an affiliate of the CRCOG, subscribes to the CRCOG's policy of Equal Employment Opportunity and Affirmative Action, and pledges to lend its support and cooperation to private and public agencies who are promoting public policy in this vital area of human relations. Vendors will be required to sign the certificate incorporated in the bid document relative to Equal Employment Opportunity and Minority/Female Business Enterprise (if applicable).

SEVERABILITY

If any terms or provisions of this bid shall be found to be illegal or unenforceable, then such term or provision shall be deemed stricken and the remaining portions of this bid shall remain in full force and effect.

ADDITIONAL TERMS AND CONDITIONS

The Vendor assigns to CRCOG all rights title and interests in and to all causes of action it may have under Section 4 of the Clayton Act, 15 USC 15, or under Chapter 624 of the general statutes. This assignment occurs when the Contractor is awarded the contract.

Vendor agrees that it is in compliance with all applicable federal, state and local laws and regulations, including but not limited to Connecticut General Statutes Sections 4a-60 and 4a-60a. The Contractor also agrees that it will hold CRCOG harmless and indemnify CRCOG from any action which may arise out of any act by the contractor concerning lack of compliance with these laws and regulations. All purchases will be in compliance with Section 22a-194 to Section 22a-194g of the Connecticut General Statutes related to product packaging.

Resulting contracts are subject to the provisions of Executive Order N. Three of Governor Thomas J. Meskill promulgated February 15, 1973 and section 16 of P.A. 91-58 nondiscrimination regarding sexual orientation, and the provisions of Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999 regarding Violence in the Workplace Prevention Policy.

The contract arising from the bid may be subject to the provisions of §1-218 of the Connecticut General Statutes, as it may be modified from time to time. In accordance with this section, each contract in excess of two million five hundred thousand dollars between a public agency and a person for the performance of a governmental function shall (1) provide that the public agency is entitled to receive a copy of records and files related to the performance of the governmental function, and (2) indicate that such records and files are subject to the Freedom of Information Act and may be disclosed by the public agency pursuant to the Freedom of Information Act. No request to inspect or copy such records or files shall be valid unless the request is made to the public agency in accordance with the Freedom of Information Act. Any complaint by a person who is denied the right to inspect or copy such records or files shall be brought to the Freedom of Information Commission in accordance with the provisions of sections 1-205 and 1-206 of the Connecticut General Statutes.

Incorporated by reference into this contract is Section 4-61dd(g)(1) and 4-61dd(3) and (f) of the Connecticut General Statutes which prohibits contractors from taking adverse action against employees who disclosed information to the Auditors of Public Accounts or the Attorney General.

QUESTIONS

Inquiries should be directed through the Bonfire messaging application.

No oral interpretations shall be made to any respondent as to the meaning of any of the bid documents. **Every request for an interpretation shall be made in writing and posted to the Bonfire online system.** To receive consideration, such questions must be received according to the date posted on the Bonfire system.

The CRPC staff will arrange as addenda, which shall be made a part of this Invitation for Bid and any resulting contracts, all questions received as above provided and the decisions regarding each. At least three (3) days prior to the receipt of bid proposals, the CRPC staff will **post a copy of any addenda in Bonfire**. In special cases, the CRPC staff reserves the right to post clarifying information in the form of an addendum outside of the aforementioned timeline. It shall be the responsibility of each respondent to determine whether any addenda have been issued and if so, to download copies directly from the **Bonfire** website.

K5 Corporation

K5 Corporatoin
9 ROCKVIEW WAY
ROCKLAND, MA 02370
TEL. #: 781-982-9229 FAX: 781-982-9226

PAVEMENT MARKING REFERENCES

MUNICIPALITY	ADDRESS	CONTACT	TEL. #	YEAR(S)	VALUE	EMAIL
City of Boston Transportation	1 City Hall Plaza, Room 721, Boston, MA 02201	Don Kehoe	(617) 201-9385	2013-2020	\$3,437,435.00	donald.kehoe@boston.gov
City of Worcester	455 Main St., Rm. 404, Worcester, MA 01608	Jim Petruzzi	(508) 929-1300 x 455	2019-2020	\$968,960.00	petruzziji@worcestermma.gov
City of Beverly	191 Cabot St., Beverly, MA 01915	Mike Bouchard	(781) 838-2958	2016-2019	\$216,445.00	mbouchard@beverlyms.gov
Town of Wellesley	30 Municipal Way, Wellesley, MA 02181	Rick Phillipo	(781) 838-2958	2014-2018	\$65,707.00	kcollins@wellesleyma.gov
City of Revere	281 Broadway, Revere, MA 02151	Paul Argenzio	(781) 929-2658	2014-2018	92,000.00	pargenzio@reverere.org
City of Somerville	93 Highland Avenue, Somerville, MA 02143	Terance Smith	(617) 625-6600 x7945	2015-2018	\$317,939.67	tsmith@SomervilleMA.gov
Town of Wakefield	One Lafayette St Wakefield, MA 01880	Don Schneider	(781) 246-6314	2019-2020	63,083.00	dschneider@wakefield.ma.us



TECHNICAL DATA SHEET

DESCRIPTION

MARK-55.3 consists of a two-part 100% solids epoxy available in traffic safety colors to be used as a long life pavement marking system. A long life, highly reflective surface is obtained by broadcasting reflective glass beads immediately after the application of **MARK-55.3** system. **MARK-55.3** provides a long-term performance on both asphalt and concrete surfaces.

RECOMMENDED USES

- * Long life and high nighttime reflectivity application as a safety line marking on roads and highways.
- * Industrial line marking requiring high abrasion resistance.
- * Long life line marking for food processing and other chemical plants requiring high chemical resistance to corrosive chemicals.

FEATURES

- * High nighttime (wet and dry) reflectivity and its retention of any pavement marking system.
- * High abrasion resistance and holds well under industrial and highway traffic.
- * Completely impervious to salt, grease, oils, acids, alkalis, and common solvent spillage.
- * Bonds well to clean, dust free asphalt and concrete surfaces.
- * Good retention of high density, high reflectant glass beads providing constant shine during the entire life of the system.
- * Available in all safety colors.
- * Quick setting, allowing traffic to be opened without delay.
- * Capable of curing at temperature conditions of 35°F and above.
- * Nonflammable, non-pollutant and low toxicity.
- * 100% solids, hence, no loss or shrinkage in the mil thickness during drying or curing of the coating.
- * Applicable on freshly placed asphalt within hours.

TECHNICAL DATA

Properties of Part A and Part B

	<u>PART A*</u>	<u>PART B</u>
Color	White or Yellow**	Amber
Mixing Ratio	2 volumes	1 volume
Percent Solids	100%	100%
Shelf Life	1 year	1 year
(* Part A contains TMPTA (Tri-Methylol Propane Tri-Acrylate) and other multi-functional monomers. ** Custom safety colors available.)		

MARK-55.3

**100% SOLIDS
PAVEMENT
MARKING
SYSTEM**

ISO 9001:2000 Certified

POLY-CARB, INC.

33095 Bainbridge Road
Cleveland, Ohio 44139
Tel: 440.248.1225
Fax: 440.248.1613

125 GNS Court
Roberta, Georgia 31078
Tel: 478.836.2861
Fax: 478.836.2949

LIMITED WARRANTY POLY-CARB, INC. warrants to the purchaser of this product that the product is free from manufacturing and design defects. All breaches of warranty claims must be submitted to POLY-CARB, INC. the earlier of either within fourteen days of discovery of the defect or expiry of product shelf life. The purchaser's remedies are limited to replacement of the product.

POLY-CARB, INC. SPECIFICALLY DISCLAIMS ANY OTHER REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, OR LIABILITY RELATING TO THE CONDITION OR USE OF THE PRODUCT AND IN NO EVENT SHALL POLY-CARB BE LIABLE TO PURCHASER OR ANY THIRD PARTY FOR ANY DIRECT OR INDIRECT CONSEQUENTIAL OR INCIDENTAL DAMAGES.

100% FREE B&B POLY-CARB
www.POLY-CARB.com

TECHNICAL DATA

Properties of Mixed Part A and Part B

Gel Time 25°C (75° + 2°F)	Less than 5 minutes (100 gms.)	
Track Free Time @ 25°C (75° ± 2°F)	15 - 20 minutes	ASTM D-711
Final Cure 25°C (75° ± 2°F)	8 - 12 hours	

Properties of Cured MARK-55.3

Compressive Strength	13,000 - 15,000 psi	ASTM D-695
Tensile Strength	6,000 - 9,000 psi	ASTM D-638
Shore D Hardness	75 - 95	ASTM D-2240
Wear Index, 1,000 gms, 1,000 cycles, CS-17 wheel	Less than 80	ASTM C-501
Adhesion to Concrete	100% concrete failure	ACI-503

METHOD OF APPLICATION

MATERIAL CONTAINERS SHOULD ALWAYS BE STORED INDOORS IN A MINIMUM TEMPERATURE RANGE OF 68°F-85°F (20°C - 30°C) AND FOR AT LEAST 24 HOURS PRIOR TO USAGE THE MINIMUM STORAGE TEMPERATURE SHOULD BE 75°F-85°F (24°C - 30°C) TO ENSURE PROPER MIXING AND APPLICATION PROPERTIES.

Surface Preparation: The surface must be free from oil, grease and any other contaminants. Old paint, sealers and curing compounds shall be removed by scarification or shot blasting methods. For best results the surface should be dry. On new concrete surface, shot blasting or sandblasting is recommended to remove curing compound and laitance.

Application: For proper application of **MARK-55.3 System**, the epoxy pavement marking compounds shall be applied through machinery designed to precisely meter the two components in the ratio of proportion recommended in the Technical Data. This equipment shall also be designed to produce the required amount of heat at the mixing head and gun tip specified further in this specification and to maintain those temperatures within the tolerances specified.

Repairs and Corrections: In case of poor mixing and inaccurate proportions due to equipment problems, the entire bad surface shall be completely cleaned to the bare substrate, either by grinding or sandblasting. No capping shall be allowed on the bad spots without a complete removal.

Application Temperatures:

- A. **Individual Components:** Before mixing, the individual component shall be heated to the following temperatures.

Component "A"	80°F (26.7°C) to 140°F (60°C)
Component "B"	80°F (26.7°C) to 140°F (60°C)

The upper limit of this specification is the maximum temperature recommended under any circumstances.

- B. **Mixed Material:** After mixing the recommended application temperatures for the combined material at the gun tip shall be as follows:

Mixed Material	80°F (26.7°C) to 140°F (60°C)
----------------	-------------------------------

Application Equipment:

The equipment shall have a system capable of spraying both yellow and white epoxy listed in the manufacturer's recommended proportions and is mounted on a truck of sufficient size and stability with an adequate power source to produce lines of uniform dimension and prevent application failure. It shall be capable of placing stripes on the left and right sides, and of placing two (2) lines simultaneously with either line in a solid or intermittent pattern in yellow or white and of applying glass beads at a rate of at least 25 pounds per gallon.

All guns must be in full view of operators at all times. The equipment shall be provided with a metering device to register the accumulated installed footage for each gun each day. Each vehicle shall include at least one (1) operator who shall be a technical expert in equipment operations and epoxy application techniques. A solvent free impingement-type spraying head or a minimum 24" length of kinetic tube mixing head is required for proper mixing of the two (2) components prior to its application. Certification of equipment and type meeting these specifications must accompany each bid.

COVERAGE

Coverage per gallon in mils is as per the following table:

Concrete/asphalt pavements	20 mils min.
Open grade pavement	25 mils min.

		<u>Thickness of the Marking Lines</u>					
	<u>Width of the Line</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
		<u>Mils</u>	<u>Mils</u>	<u>Mils</u>	<u>Mils</u>	<u>Mils</u>	<u>Mils</u>
MARK-55.3 Ln. Ft./Gal.	4"	960'	480'	320'	240'	192'	160'
	6"	640'	320'	214'	160'	128'	107'
	8"	480'	240'	160'	120'	96'	80'
Glass Beads Lbs./Ln. Ft.	4"	.026	.052	.078	.104	.130	.156
	6"	.039	.078	.117	.156	.195	.234
	8"	.052	.104	.156	.208	.260	.312

(Coverage is greatly dependent on the porosity of the surface. As porosity increases, the coverage decreases.)

CLEAN UP

Cleaning of all equipment and tools is recommended before the gel time of the system expires. **MARK-306** is specially designed for this purpose. A lacquer solvent, Xylene, Toluene, Methylene Chloride can also be used for the same purpose.

PACKAGING

50 gallon containers	150 gallon unit
5 gallon pails	15 gallon unit

LIMITATIONS

- * **MARK-55.3** System shall not be diluted with any solvent for this will interfere with proper curing and/or the ultimate performance of the system.
- * The surface shall be fairly dry at the time of application.
- * The surface and air temperatures shall be above 35°F for proper curing of the epoxy system.
- * Part A contains highly reactive TMPTA (Tri-Methylol Propane Tri-Acrylate) and other multi-functional monomers, which may undergo polymerization and gelling if subjected to prolonged periods of exposure at high temperatures exceeding 120°F.

IMPORTANT NOTE

With this technical data sheet, we are making every effort to communicate to you, our valued customer, the proper procedures, properties and limitations of this product to ensure you a successful installation. This is considered to be an exotic material, which is controlled by temperature, proper mixing, surface preparation, and other application conditions. It is most **IMPERATIVE** that these instructions are understood by all and followed correctly. It is our appeal to you, in case of the slightest doubt, that you call our office and express your concerns to one of our technical service representatives. This action will ensure that all doubts, discrepancies, or misunderstandings are cleared up to aid in the completion of a successful application. Please call us toll free at 1-800-CALL MIX. We are ready to serve you.

CAUTION

PLEASE READ AND THOROUGHLY UNDERSTAND THE MATERIAL SAFETY DATA SHEET PROVIDED WITH EACH ORDER PRIOR TO BEGINNING WORK. THIS IS INTENDED FOR YOUR SAFETY.

Direct contact with the skin should be avoided as it can cause skin irritation. In the event of direct contact with the eyes, flush immediately with plenty of water and report to a physician. **FATAL IF TAKEN INTERNALLY. KEEP AWAY FROM OPEN FLAME AND FROM FREEZING TEMPERATURES.**

KEEP OUT OF REACH OF CHILDREN

The VOC contents per EPA test method 24 (40 CFR 59) does not exceed 150 g/l



VISIBEAD®

HIGHWAY SAFETY MARKING SPHERES

Durable, versatile and highly reflective... in all marking systems

VISIBEAD® Is Clearly Superior For Adverse Weather Conditions

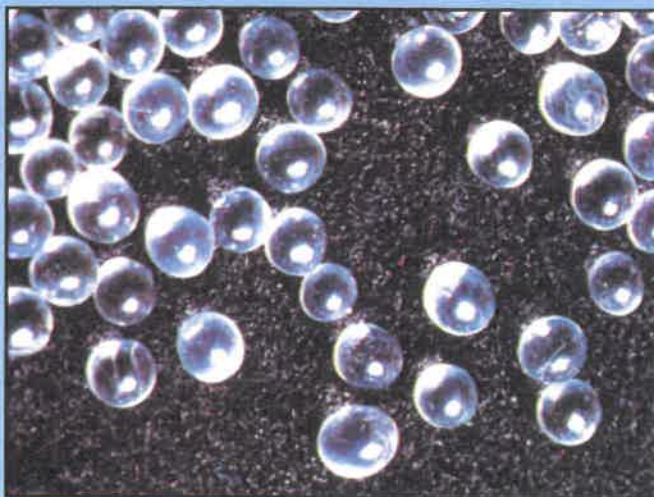
- VISIBEAD Highway Safety Marking Spheres enhance drivers' nighttime visibility, particularly in rain, fog or melting snow, for dramatic improvements in mobility and highway safety.
- Because VISIBEAD spheres are three to four times larger than conventional glass beads, they stand higher above the surface of the line than conventional beads, delineating highway markings clearly and providing superior wet night visibility.
- Potters Industries manufactures VISIBEAD spheres using proprietary technology to ensure consistent quality, improved durability and unique clarity. Specialized coatings enable VISIBEAD spheres to combine chemically with the binder, improving adhesion, optimizing embedment and maximizing long-term retroreflectivity.
- Potters Industries' VISIGUN® safety marking sphere dispenser is designed for optimal application of VISIBEAD spheres.
- VISIBEAD Spheres are easy to apply with existing equipment.
- Our beads meet and exceed the rigorous heavy metals limitation standards set forth by state and federal standards.

VISIBEAD Facts and Figures

- **Size:** 14–20 mesh (1.4–0.85 mm); a range of sizes offsets the effects of traffic and binder degradation.
- **Compatible binders:** waterborne or solvent-based paint, epoxy, polyester, thermoplastic, PMMA and polyurea.
- **Standards:** Most states specify gradation (size), roundness and coating requirements for highway marking beads. VISIBEAD spheres meet the U.S. Department of Transportation Federal Highway Administration's FP-03 specifications.



VISIBEAD Spheres use proprietary technology to ensure consistent quality, improved durability and unique clarity.



VISIBEAD Spheres are three to four times larger than conventional glass beads, and stand higher above the surface of the line, delineating highway markings clearly and providing superior visibility.



Potters Industries Inc.
an affiliate of PQ Corporation

Potters respects the environment by recycling over one billion pounds of glass each year.

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VISIBEAD[®] PLUS II

Durable, versatile and highly reflective... in all marking systems

Larger, Brighter and Safer in All Driving Conditions

- VISIBEAD[®] PLUS II highway safety marking spheres provide the highest level of safety for all nighttime driving conditions. In wet, dry or foggy weather, VISIBEAD PLUS II spheres reflect more light, more clearly, than any other glass bead product.
- Developed by Potters Industries, the world's leading manufacturer of highway safety marking beads, VISIBEAD PLUS II spheres are three to four times larger than conventional glass beads. Their size and unique clarity allow for maximum retro-reflectivity. In fact, using VISIBEAD PLUS II spheres is a bonus when meeting safety marking requirements.
- Tight gradations and high rounds ensure consistency in application. VISIBEAD PLUS II spheres incorporate the latest in coatings technology and are chemically compatible with most binders. While installation is easy, Potters Industries can provide on-site assistance to calibrate equipment for optimal bead distribution.

Seeing is Believing

- Extensive testing at Potters Industries' highway safety research center proves the effectiveness of VISIBEAD PLUS II spheres (test data available on request)
- Under rainfall rates as high as half an inch per hour, VISIBEAD PLUS II spheres are 200% more visible than conventional markings.
- On wet pavement, VISIBEAD PLUS II spheres recover 85% of their reflectivity seconds after the rain stops; conventional markings normally require several hours.



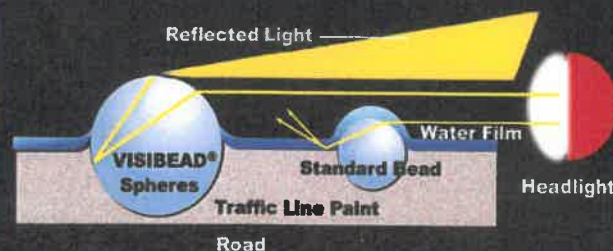
Potters Industries Inc.
an affiliate of PQ Corporation

Potters respects the environment by recycling over one billion pounds of glass each year.



In wet, dry or foggy weather, VISIBEAD PLUS II spheres reflect more light, more clearly, than any other glass bead product.

The VISIBEAD PLUS II Wet Night Advantage



- In fog, when condensed water droplets reduce the reflectivity of conventional markings, VISIBEAD PLUS II spheres remain highly effective.

VISIBEAD PLUS II Facts and Figures

- **Size:** 14–20 mesh (1.4–0.85 mm); a range of sizes offsets the effects of traffic and binder degradation.
- **Compatible binders:** waterborne or solvent-based paint, epoxy, polyester, thermoplastic, PMMA and polyurea.
- **Standards:** Most states specify gradation (size), roundness and coating requirements for highway marking beads. VISIBEAD PLUS II spheres meet the U.S. Department of Transportation Federal Highway Administration's FP-03 specifications.

See Your Potters Representative or Call (800) 55-BEADS
Visit Us On The Web at www.pottersbeads.com



HIGHWAY

STANDARD & PREMIUM SAFETY MARKING SPHERES

Durable, versatile and highly reflective... in all marking systems

STANDARD

Potters Standard Highway Spheres — Cost-effective Highway Delineation

- Retroreflective pavement markings deliver continuous roadway guidance to drivers and have been proven to increase highway safety.
- Our Standard Highway Marking Spheres provide cost-effective nighttime roadway delineation, and can meet any specific standard glass bead specification in North America.
- Our Standard spheres are consistent in quality and composition. Strict quality control produces spheres that optimize retroreflectivity. Proprietary coatings are available to resist agglomeration, ensure flotation for ideal embedment and improve adhesion for greater durability.
- Standard spheres may be applied as a drop-on in all commercial binders, including waterborne paint, epoxy, polyester, thermoplastic, PMMA and polyurea.
- Our beads meet the rigorous heavy metals limitations set forth by state and federal standards.

Standard Spheres: Facts and Figures

- **Size:** 20–80 mesh (850–150 microns); a range of sizes offsets effects of traffic/binder degradation.
- **Compatible binders:** waterborne or solvent-based paint, epoxy, polyester, thermoplastic, PMMA, polyurea
- **Standards:** Spheres can be supplied to meet state specifications for gradation (size), roundness and coatings. Potters Industries is able to supply glass beads which meet any specific standard glass bead specification in North America.



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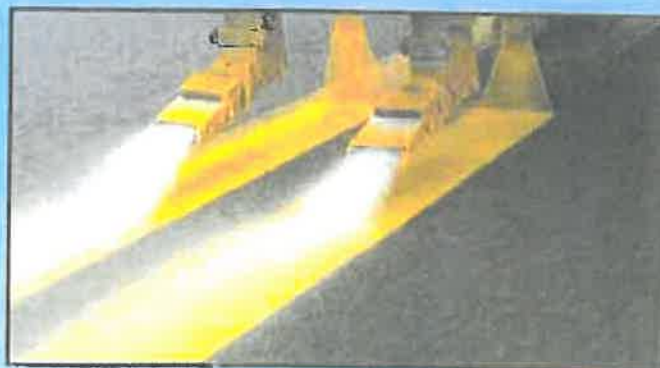
Potters respects the environment by recycling over one billion pounds of glass each year.

Our beads meet the rigorous heavy metals limitations set forth by state and federal standards.

Typical Standard Bead Size

U.S. Mesh Size	Millimeters	Mass % Passing
16	1.18	100
20	0.850	95-100
30	0.600	75-95
50	0.300	15-35
100	0.150	0-5

AASHTO M-247, Type 1, Roundness — 70%, 75%, and 80% overall by sieve size.



Potters retroreflective pavement markings deliver continuous roadway guidance to drivers and have been proven to increase highway safety.

See Your Potters Representative or Call (800) 65-BEADS
Visit Us On The Web at www.pottersbeads.com



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MSDS

MATERIAL SAFETY DATA SHEET

Product Name: Highway Safety Marking Spheres with Coating

Date Prepared: 03/05/2010

Page: 1 of 4

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade names: Standard Highway Safety Marking Spheres with Coating
Premium Highway Safety Marking Spheres with Coating
VISIBEAD® Highway Safety Marking Spheres with Coating
VISIBEAD® Plus II Highway Safety Marking Spheres with Coating
Premix Highway Safety Marking Spheres with Coating
Intermix Highway Safety Marking Spheres with Coating

Product description: Spherical glass beads

Manufacturer: Potters Industries, Inc.
P. O. Box 840
Valley Forge, PA 19482 USA

Telephone: 610-651-4200

In case of emergency call: 610-651-4200

For transportation emergency
Call CHEMTREC: 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical and Common Name	CAS Registry Number	Wt. %	OSHA PEL	ACGIH TLV
Glass, oxide; Glass	65997-17-3	>99%	15mg/m ³ total dust, 5mg/m ³ respirable	10 mg/m ³ inhalable, 3 mg/m ³ respirable

3. HAZARDS IDENTIFICATION

Emergency Overview: Noncombustible clear white glass beads. Spilled material is extremely slippery.

Eye contact: Practically non-irritating to the eyes.

Skin contact: Slightly irritating to skin.

Inhalation: May cause irritation.

Ingestion: No known hazard.

Chronic hazards: No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.

Physical hazards: Spilled material is extremely slippery.

4. FIRST AID MEASURES

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Product Name: Highway Safety Marking Spheres with Coating

Date Prepared: 03/05/2010

Page: 2 of 4

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: None required.

5. FIRE FIGHTING MEASURES

Flammable limits: This material is noncombustible.

Extinguishing Media: This material is compatible with all extinguishing media.

Hazards to fire-fighters: See Section 3 for information on hazards when this material is present in the area of a fire.

Fire-fighting equipment: The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: rubber boots with slip-resistant soles.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear rubber boots with slip-resistant soles, and NIOSH-approved dust respirator where dust occurs. See section 8.

Environmental Hazards: Sinks in water. No known hazard to aquatic life.

Small spill cleanup: Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.

Large spill cleanup: Keep unnecessary people away; isolate hazard area and deny entry. Do not walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.

CERCLA RQ: There is no CERCLA Reportable Quantity for this material.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes and skin. Avoid breathing dust. Keep container closed. Use with adequate ventilation. Promptly clean up spills.

Storage: Keep containers closed. Store in clean metal, fiber or plastic containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Use with adequate ventilation. Keep containers closed. Eyewash station should be within direct access.

Respiratory protection: Use a NIOSH-approved dust respirator where dust occurs. Observe OSHA regulations for respirator use (29 C.F.R. §1910.134).

Skin protection: Wear body-covering clothing.

Eye protection: Wear safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance:</i>	Glass bead.
<i>Color:</i>	Clear white.
<i>Melting point:</i>	Approximately 730° C.
<i>Odor:</i>	Odorless.
<i>pH:</i>	Not applicable.
<i>Specific gravity:</i>	Approximately 2.5 g/cm ³
<i>Solubility in water:</i>	Insoluble.

10. STABILITY AND REACTIVITY

<i>Stability:</i>	This material is stable under all conditions of use and storage.
<i>Conditions to avoid:</i>	None.
<i>Materials to avoid:</i>	Dissolves in hydrofluoric acid.
<i>Hazardous decomposition products:</i>	None known.

11. TOXICOLOGICAL INFORMATION

<i>Acute Data:</i>	When tested for primary irritation potential, a similar material was practically non-irritating to the eyes and was slightly irritating to the skin. The acute oral toxicity of this product has not been tested. A similar material was nontoxic to rats at 5,000 mg/kg. All animals survived, gained weight and appeared active and healthy. There were no signs of gross toxicity, adverse pharmacologic effects or abnormal behavior. The acute inhalation toxicity of this product has not been tested.
<i>Subchronic Data:</i>	There are no known reports of subchronic toxicity of nonfibrous glass.
<i>Special Studies:</i>	There are no known reports of carcinogenicity of nonfibrous glass. Nonfibrous glass is not listed by IARC, NTP or OSHA as a carcinogen.

12. ECOLOGICAL INFORMATION

<i>Eco toxicity:</i>	There are no known reports of ecotoxicity of nonfibrous glass.
<i>Environmental Fate:</i>	This material is persistent but inert in aquatic systems. It will not bioconcentrate in animals.
<i>Physical/Chemical:</i>	Sinks in water. Insoluble in water.

13. DISPOSAL CONSIDERATIONS

<i>Classification:</i>	Disposed material is not a hazardous waste.
<i>Disposal Method:</i>	Dispose in accordance with federal, state and local regulations.

Product Name: **Highway Safety Marking Spheres with Coating**

Date Prepared: 03/05/2010

Page: 4 of 4

14. TRANSPORT INFORMATION

DOT UN Status: This material is not regulated as a hazardous material for transportation.

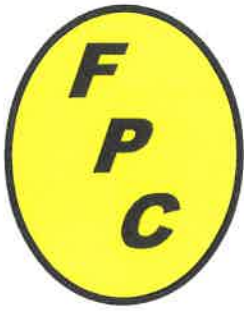
15. REGULATORY INFORMATION

CERCLA: No CERCLA Reportable Quantity has been established for this material.
SARA TITLE III: Not an Extremely Hazardous Substance under §302 Not a Toxic Chemical under §313.
TSCA: All ingredients of this material are listed on the TSCA Inventory.
FDA: Glass is regarded by FDA as Generally Recognized As Safe (GRAS) for use in contact with food.

16. OTHER INFORMATION

Prepared by: HSES Dept. / Erin A. Bendig
Supersedes revision of: 3/5/2007

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO POTTERS INDUSTRIES, INC. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. POTTERS INDUSTRIES, INC. MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OR THE PRODUCT TO WHICH IT RELATES, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OR HANDLING OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.



Product Data:
ME, MA, NH, VT SPEC WATERBORNE TRAFFIC PAINT

"As Durable as the Hills of Old New England"

DESCRIPTION: A lead free, VOC compliant fast drying, 100% acrylic waterborne traffic paint. Conforms to MA, CT, ME, NH and VT state specifications. For use on bituminous. Portland-concrete and concrete pavements, as well as various sealcoat applications. Not recommended for use on concrete containing silicone.

SURFACE PREPARATION: All surfaces should be clean and dry, free of dirt, sand, grease, oil, salt, etc. Loose and lifting paint should be removed prior to painting. While new asphalt surfaces vary in length of time required for curing, one to two weeks is usually adequate for waterborne paints. If it is necessary to paint immediately after paving applying two thin coats 7-8 mils each allowing 24 hours between coats is recommended. Waterborne paints applied to thick or to soon may cause asphalt to lift and or crack. *Regardless of surface condition, a test stripe should be placed inconspicuously to determine if surface is suitable before continuing.*

APPLICATION: Formulated for use with either airless or conventional air atomized spray equipment. See equipment manufacturer's recommendations. To improve spraying, paint may be heated to an optimum temperature of 110° F, but is to never exceed 160° F. Do not apply when air or surface temperatures are below 50° F or when relative humidity exceeds 85%. Concrete sealers should be removed prior to application.

THINNING & CLEANING: Thinning is not recommended. If thinning is desired, use clean water, not to exceed 1 pint water/5 gallons paint. Adding water will lengthen dry time. Wet paint may be cleaned with water. Dry paint is very difficult to remove.

SHELF LIFE: 12 months minimum based on unopened container stored @ 77° F

STORAGE: Store in a cool dry area. **KEEP FROM FREEZING**

Never mix waterborne and alkyd paints! The result will be a congealed mess.

	2036 WHITE	2037 YELLOW
Coverage/gal (15mils wet 4"line)	320'	320'
Dry time minutes 15 mils wet (LAB)	8	8
Hiding (contrast ratio)	96	96
Viscosity (K.U.)	78-95	78-95
Weight/gallon	14.1	13.8
Directional reflectance	92	52
VOC's (pounds/gallon)	.78	.78
Total solids (weight)	77	77
Non-volatile vehicle	43% min	43% min
Vehicle type	Next generation Fastrack™ 3427 100% Acrylic Resin (more durable)	

Franklin Paint Company, Inc.
259 Cottage Street
Franklin, MA 02038

www.franklinpaint.com

Tel: 800-486-0304
508-528-0303
Fax: 508-528-0303

Franklin Paint™

259 COTTAGE ST. FRANKLIN, MA 02038
www.franklinpaint.com

Product Data: LOW VOC CHLORINATED RUBBER TRAFFIC PAINT

DESCRIPTION: A durable fast drying alkyd traffic paint modified with chlorinated rubber. Conforms to current federal VOC regulations. Recommended for use on bituminous, Portland-cement and concrete pavements. Not recommended for use over concrete sealers containing silicone or asphalt sealers.

SURFACE CONDITION / PREPARATION: Asphalt and concrete surfaces should be cured, clean, dry, and sound. Loose and lifting paint should be removed prior to application. Concrete with sealers containing silicone, having a smooth finish, or efflorescence should be removed by etching or abrasive blasting, as these conditions may interfere with adhesion. While new asphalt surfaces vary in length of time required for curing, insufficient curing may result in bleeding. New concrete tends to chalk; alkyd may also react with the alkali in new concrete making adhesion difficult. *Regardless of surface condition, a test stripe should be placed inconspicuously to determine if surface is suitable before continuing.*

APPLICATION: Formulated for use with either airless or conventional air atomized spray equipment. See equipment manufacturer's recommendations. Recommended paint thickness is 15 mils wet. For best results apply when air and surface temperature are above 40°F and relative humidity is below 85%.

THINNING & CLEANING: *Federal and state regulations prohibit dilution of this product. DO NOT THIN.* Toluene may be used for cleaning.

SHELF LIFE: 3 months minimum in an unopened container stored @ 77°F. It is recommended to order only what you are able to use in this time frame.

STORAGE: Store in a cool dry area.

Never mix waterborne and alkyd traffic paints!

	2040 WHITE	2041 YELLOW	2042 GREEN	2043 BLACK	2044 BLUE	2045 RED
Coverage/Gal (15 mils wet 4" line)	320'	320'	320'	320'	320'	320'
Dry Time Minutes 15 mils (ASTM D-711)	8	8	8	8	8	8
Dry Opacity (Hiding)	0.96	0.96	N/A	N/A	N/A	N/A
Viscosity-KU (Kreb Units)	80-84	80-84	80-84	80-84	80-84	80-84
Weight/Gallon (lbs.)	12.6	12.4	12.5	12.6	12.5	12.3
Directional Reflectance (Cap Y)	85	50	N/A	N/A	N/A	N/A
VOC's-Pounds/Gallon	1.10	1.10	1.12	1.10	1.13	1.11
% Total Pigment (By Weight)	58.7	58.2	57.1	58.4	57.1	57.1
% Total Solids (By Weight)	76.6	76.5	76.0	76.6	76.1	75.7
% Total Solids (By Volume)	55.1	55.9	55.3	55.6	55.5	55.0
% Total Non-Volatile Vehicle (By Weight)	41.3	41.8	42.9	41.6	42.9	42.9
Vehicle Type-	Medium oil solvent based alkyd, modified with chlorinated rubber					

800-486-0304 Fax: 508-528-8152

www.franklinpaint.com

REVISED
3/9/17 NS



PRODUCT DATA SHEET

WHITE HYDROCARBON EXTRUDE THERMOPLASTIC TRAFFIC MARKING MATERIAL 884415

DESCRIPTION:

Ennis Traffic Safety Solutions' White Hydrocarbon Extrude Thermoplastic reflectorized pavement marking material is intended for use on Portland cement or asphalt concrete road surfaces. It is a 100% solid material that must be pre-heated to a temperature of at least 425°F (218°C), and applied in a molten state to a pavement surface at a temperature of at least 400°F (204°C). Roadway surface temperature at the time of application shall not be less than 50°F (10°C) and shall be rising. The road surface shall be absolutely dry with no forecasted rain for the day. Upon cooling to normal pavement temperature, thermoplastic provides a very durable marking material for high traffic areas.

CHARACTERISTICS OF FINISHED THERMOPLASTIC: (typical)

Binder, % by weight	23.0
Glass Beads, % by weight	31.0
Tests on material after 4 hours heat with stirring at 425°F \pm 2°F (218°F \pm 1°C)	
Softening Point, °C	102.0
Tensile Bond Strength, psi	310
Hardness, Shore A2 @ 115°F (46°C)	58
Daylight Reflectance	81.09
Specific Gravity	2.05

DRY TIME

When applied to the pavement, the thermoplastic material shall be sufficiently tack-free to carry traffic in not more than 2 minutes when pavement surface temperature is at 50 \pm 3°F (10°C), and not more than 10 minutes when pavement surface temperature is 130 \pm 3°F (54°C).

WHEN TO USE PRIMER

Use the thermoplastic manufacturer's recommended primer on all Portland concrete, and on asphalt surfaces that are more than 2 years old, oxidized and/or have aggregate exposed. Check to make sure that the coverage is adequate and allow primer to cure according to manufacturer's instructions before applying thermoplastic.

PACKAGING

Ennis Traffic Safety Solutions' White Hydrocarbon Extrude Thermoplastic is available in granular form packaged in 50lb. (22.7kg) meltable bags that are compatible with the thermoplastic allowing them to melt and become part of the hot melt mixture at application temperature.

MATERIAL SAFETY DATA SHEET AVAILABLE UPON REQUEST Rev. 12/06/2010

The Product Data offered herein is, to the best of our knowledge, true and accurate, but all recommendations are made without warning, expressed or implied. Because the conditions of use are beyond our control, neither Ennis Traffic Safety Solutions, nor its agents shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product described herein. No person is authorized to make any statement or recommendation not contained in the Product Data, and any such statement or recommendation, if made, shall not bind the Corporation. Further, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents, and no license under the claims of any patent is either implied or granted.

Ennis Traffic Safety Solutions
5910 N. Central Expressway, Suite 1050
Dallas, TX 75206
1-800-331-8118



PRODUCT DATA SHEET

YELLOW LEADFREE HYDROCARBON EXTRUDE THERMOPLASTIC TRAFFIC MARKING MATERIAL 884665

DESCRIPTION:

Ennis Traffic Safety Solutions' Yellow Leadfree Hydrocarbon Extrude Thermoplastic reflectorized pavement marking material is intended for use on Portland cement or asphalt concrete road surfaces. It is a 100% solid material that must be pre-heated to a temperature of at least 425°F (218°C), and applied in a molten state to a pavement surface at a temperature of at least 400°F (204°C). Roadway surface temperature at the time of application shall not be less than 50°F (10°C) and shall be rising. The road surface shall be absolutely dry with no forecasted rain for the day. Upon cooling to normal pavement temperature, thermoplastic provides a very durable marking material for high traffic areas.

CHARACTERISTICS OF FINISHED THERMOPLASTIC: (typical)

Binder, % by weight	22.3
Glass Beads, AASHTO M-247, % by weight	31.0
Tests on material after 4 hours heat with stirring at 425°F ±2°F (218°F ±1°C)	
Softening Point, °C	102.3
Tensile Bond Strength, psi	305
Hardness, Shore A2 @ 115°F (46°C)	52
Daylight Reflectance	50.19
Specific Gravity	2.05

DRY TIME

When applied to the pavement, the thermoplastic material shall be sufficiently tack-free to carry traffic in not more than 2 minutes when pavement surface temperature is at 50±3°F (10°C), and not more than 10 minutes when pavement surface temperature is 130±3°F (54°C).

WHEN TO USE PRIMER

Use the thermoplastic manufacturer's recommended primer on all Portland concrete, and on asphalt surfaces that are more than 2 years old, oxidized and/or have aggregate exposed. Check to make sure that the coverage is adequate and allow primer to cure according to manufacturer's instructions before applying thermoplastic.

PACKAGING

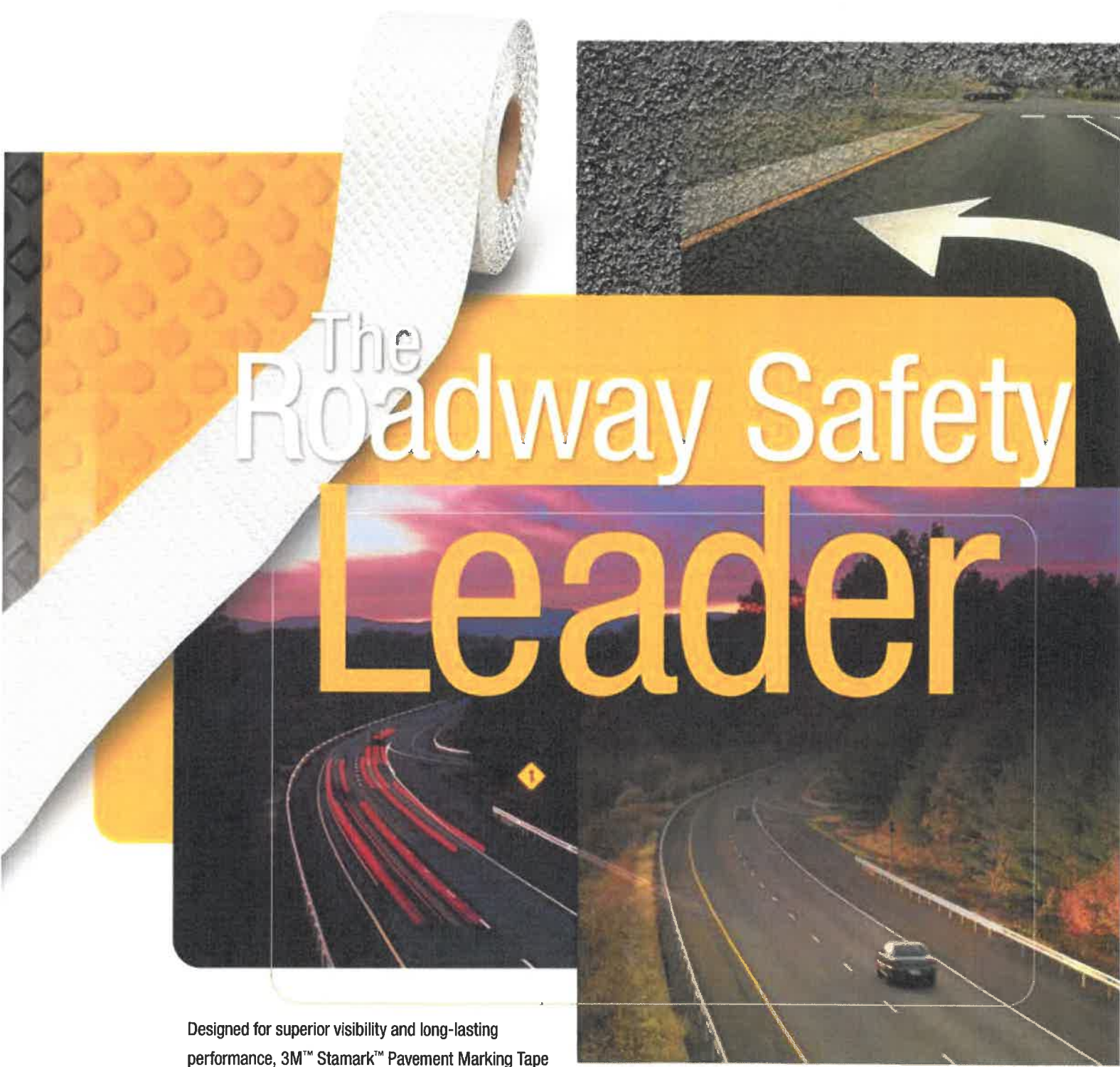
Ennis Traffic Safety Solutions' Yellow Hydrocarbon Extrude Thermoplastic is available in granular form packaged in 50lb. (22.7kg) meltable bags that are compatible with the thermoplastic allowing them to melt and become part of the hot melt mixture at application temperature.

MATERIAL SAFETY DATA SHEET AVAILABLE UPON REQUEST Rev. 12/06/2010

The Product Data offered herein is, to the best of our knowledge, true and accurate, but all recommendations are made without warning, expressed or implied. Because the conditions of use are beyond our control, neither Ennis Traffic Safety Solutions, nor its agents shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product described herein. No person is authorized to make any statement or recommendation not contained in the Product Data, and any such statement or recommendation, if made, shall not bind the Corporation. Further, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents, and no license under the claims of any patent is either implied or granted.

Ennis Traffic Safety Solutions
5910 N. Central Expressway, Suite 1050
Dallas, TX 75206
1-800-331-8118

3M™ Stamark™ Pavement Marking Tape
Series 380



The Roadway Safety Leader

Designed for superior visibility and long-lasting performance, 3M™ Stamark™ Pavement Marking Tape Series 380 is ideal for lane and edge lines, gore and transverse markings, symbols and legends—anywhere you're looking for the ultimate in durability and safety.

3M



The original durable

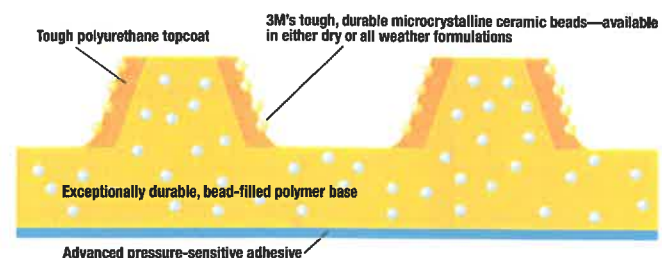
3M™ Stamark™ Pavement Marking Tape Series 380

This tape sets the standard for durability and visibility in pavement markings. Born of 3M innovations in retroreflective science, polymer chemistry, and adhesive and ceramic technology, 3M™ Stamark™ Pavement Marking Tape has created high-visibility guidance and improved roadway safety for more than two generations of drivers. Continuous innovation and technological improvements have made this tape the premier pavement marking solution in the world.

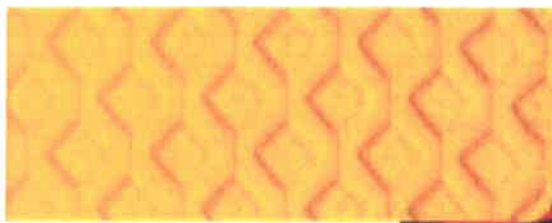
- **Superior retroreflective performance and retained visibility in all-weather conditions.** The retroreflective optics in 3M™ Stamark™ Pavement Marking Tape Series 380 are unlike anything else in the industry. 3M's unique microcrystalline ceramic beads are far tougher, harder and more resistant to harsh roadway conditions than conventional glass beads. 3M microcrystalline ceramic beads retain their visibility—in dry and wet conditions—long after other beads have become ineffective.
- **Extended season application.** With an easy-to-use surface preparation adhesive, you can apply Stamark Series 380 tape beyond the seasonal application dates when the temperature is 40°F or higher, extending your effective striping season by several weeks and boosting productivity for your crews and contractors.
- **Easy application.** There's no need for surface preparation adhesives during the normal marking season with Stamark Series 380 tape. Adhesion to properly prepared pavement surfaces above 40°F is almost as easy as unwind, apply and tamp.
- **Whiter, brighter, longer.** Dirt- and abrasion-resistant technologies are built into each component of Stamark Series 380 tape, from 3M's tough microcrystalline ceramic beads to our brilliant white and yellow topcoats.
- **Durable nighttime yellow visibility.** 3M's lead-chromate-free pigments and yellow microcrystalline ceramic beads create a distinct and long-lasting nighttime yellow color—in wet or dry conditions.
- **3M technical assistance.** As a global company with local resources, 3M is much more than just a supplier of pavement markings. Our experienced representatives and technicians can show you how to improve roadway visibility and safety, reduce long-term costs, properly apply pavement marking materials, and maintain your roadway marking projects.



This photomicrograph shows 3M's microcrystalline ceramic beads (right) and conventional glass beads (left) after sandblasting. 3M's tougher beads resist chipping, scarring and crushing for long-lasting retroreflective performance.



A cross-section of 3M™ Stamark™ Pavement Marking Tape Series 380 shows 3M's advanced technologies in every aspect of construction, inside and out.



pavement marking

Whether you need a pavement marking solution for all weather conditions, extended season applications, or concrete or asphalt roadways, there's a Stamark Series 380 tape that's engineered specifically for the job.

3M™ Stamark™ High Performance Tape 380I ES and Contrast Tape 380I-5 ES

This high performance, extended season tape is backed by decades of proven roadway performance.

- Exceptionally durable, 3M microcrystalline ceramic beads ensure long-lasting visibility
- Ideal for interstate highways, dark rural roads and urban streets, where nighttime reflectivity is critical

3M™ Stamark™ All Weather Tape 380AW and Contrast Tape 380AW-5

According to the Federal Highway Administration, 24 percent of vehicle crashes in the U.S. are weather-related,¹ and 75 percent of these occur on wet roadways. Pavement markings are critical to helping drivers navigate safely and stay in their lanes—especially during wet weather.

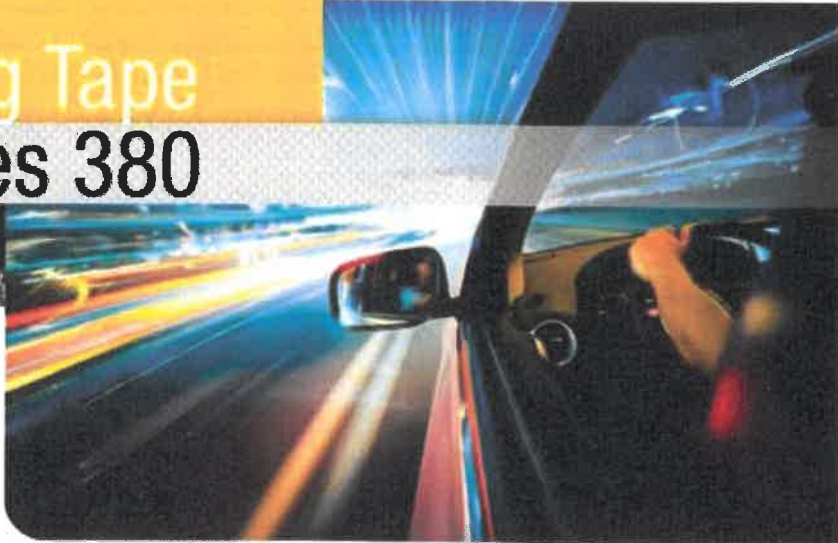
- 3M™ Stamark™ All Weather Tape 380AW includes 3M's advanced high-index optics that are highly visible and reflective, rain or shine, day or night
- A high-profile diamond pattern is embedded with 3M's tough, innovative microcrystalline ceramic beads to ensure maximum wet reflectivity during rainy conditions

¹ www.ops.fhwa.dot.gov/Weather

Both 3M™ Stamark™ Series 380I ES and Series 380AW are available in white, lead-chromate-free yellow, and with durable black borders that increase contrast with concrete and other light-colored pavement surfaces.



3M™ Stamark™ Pavement Marking Tape Series 380



To learn more about 3M™ Stamark™ Pavement Marking Tapes or 3M's full line of traffic safety products and services, visit 3M.com/roadwaysafety or contact your local 3M representative at 1-800-553-1380.



Traffic Safety and Security Division
3M Center, Bldg 0235-03-A-09
St. Paul, MN 55144-1000
USA
1-800-553-1380
www.3M.com/roadwaysafety

3M Canada Company
P.O. Box 5757
London, Ontario N6A 4T1
1-800-3MHELPS

3M México, S.A. de C.V.
Av. Santa Fe No. 55
Col. Santa Fe,
Del. Álvaro Obregón
México, D.F. 01210

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75-0301-9794-3



K5CORPO-02

COMMERCIAL

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/3/2020

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 WM. F. Borhek Insurance Agency 311 Plymouth St Halifax, MA 02338		CONTACT NAME: PHONE (A/C, No, Ext): (781) 293-6331 FAX (A/C, No): (781) 293-2171 E-MAIL ADDRESS:		
INSURED K5 Corporation Hi-Way Safety Systems, Inc. Attn: Kathy DeLong 9 Rockview Way Rockland, MA 02370		INSURER(S) AFFORDING COVERAGE		NAIC #
		INSURER A : Charter Oak Fire Ins.Co.		25615
		INSURER B : Travelers Indemnity Company		25658
		INSURER C : Travelers Property Casualty Company of America		25674
		INSURER D : LM Insurance Corporation		33600
		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 SUBR INSD 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 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	<input checked="" type="checkbox"/>	CO-5G489458	12/31/2019	12/31/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	<input checked="" type="checkbox"/>	810-8N67636A	12/31/2019	12/31/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	<input checked="" type="checkbox"/>	CUP-9H992769	12/31/2019	12/31/2020	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	WC5-31S-623737-019	12/31/2019	12/31/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

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

Bid: Hartford CT - CRCOG 713 Traffic Guidelines

The Town of West Hartford, West Hartford Board of Education, and their respective boards, commissions, officers, officials, employees, agents, representatives, and volunteers are Additional Insureds as respects General Liability, Automobile Liability, and Excess/Umbrella Liability if required by written contract.

CERTIFICATE HOLDER

CANCELLATION

Capitol Region Council of Governments
241 Main St.
4th Floor
Hartford, CT 06106

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

Indemnification and Insurance Exhibit CRCOG General Maintenance Bids

For purpose of this Exhibit, the term "Contractor" shall also include their respective agents, representatives, employees, contractors of any tier; and the term "Town of West Hartford and West Hartford Board of Education" (hereinafter called the "Town") shall include their respective boards, commissions, officers, officials, employees, agents, representatives and volunteers.

I. INDEMNIFICATION

- A. To the fullest extent permitted by law, the Contractor shall release, defend, indemnify, and hold harmless the Town of West Hartford, West Hartford Board of Education, and their respective boards, commissions, officers, officials, employees, agents, representatives and volunteers from any and all suits, claims, losses, damages, costs (including without limitation reasonable attorneys' fees), compensation, penalties, fines, liabilities or judgments of any name or nature for bodily injury, sickness, disease, or death; and/or damage to or destruction of real and/or personal property; and/or financial losses (including, without limitation, those caused by loss of use) sustained by any person or concern, including officers, employees, agents, contractors of any tier, or volunteers of the Town of West Hartford and West Hartford Board of Education, or the Contractor, or by the public, even if caused by the negligence of the Town, so long as the injury to person, property or financial losses is caused or alleged to have been caused in whole or in part by any and all negligent or intentional acts, errors or omissions of the Contractor, its officers, agents, contractors of any tier, or anyone directly or indirectly employed by them arising from or related to the performance of this Contract.
- B. To the fullest extent permitted by law, the Contractor shall release, defend, indemnify, and hold harmless the Town of West Hartford, West Hartford Board of Education, and their respective boards, commissions, officers, officials, employees, agents, representatives and volunteers from any and all suits, claims, damages, costs, (including without limitation reasonable attorneys' fees), compensation, penalties, fines, liabilities or judgments that may arise out of the failure of the Contractor, its officers, agents, contractors of any tier, or anyone directly or indirectly employed by them to comply with any laws, statutes, ordinances, building codes, and rules and regulations of the United States of America, the State of Connecticut, the Town of West Hartford, or their respective agencies.
- C. This duty to indemnify shall not be constrained or affected by the Contractor's insurance coverage or limits, or any other portion of the Contract relating to insurance requirements. It's agreed that the Contractor's responsibilities and obligations to indemnify shall survive the completion, expiration, suspension or termination of the Contract.

II. INSURANCE

A. Insurance Requirements

1. The Contractor shall obtain and maintain at its own cost and expense all the insurance described below continuously for the duration of the Contract, including any and all extensions, except as defined otherwise in this Exhibit.
2. Contractor's policies shall be written by insurance companies authorized to do business in the State of Connecticut, with a Best's rating of no less than A:VII, or otherwise approved by the Town.
3. All policies (with the exception of Worker's Compensation) shall be endorsed to include the Town of West Hartford, West Hartford Board of Education, and their respective boards, commissions, officers, officials, employees, agents, representatives, and volunteers as an Additional Insured. The coverage shall include, but not be limited to, investigation, defense, settlement, judgment or payment of any legal liability. Blanket Additional Insured Endorsements are acceptable. Any Insured vs. Insured language shall be amended to eliminate any conflicts or coverage restrictions between the respective Insureds.
4. When the Town or the Contractor is damaged by failure of the Contractor to purchase or maintain insurance required under this Exhibit, the Contractor shall bear all reasonable costs including, but not limited to, attorney's fees and costs of litigation properly attributable thereto.

B. Required Insurance Coverages:

1. **Commercial General Liability:** \$1,000,000 each occurrence / \$2,000,000 aggregate for premises/operations, products/ completed operations, contractual liability, independent contractors, personal injury and broad form property damage. Contractor shall continue to provide products/ completed operations coverage for two (2) years after completion of the work to be performed under this Contract.
2. **Automobile Liability and Physical Damage Coverage:** \$1,000,000 each accident for any auto, including uninsured/underinsured motorist coverage and medical payments. Policy shall include collision and comprehensive physical damage coverage.
3. **Umbrella Liability:** \$2,000,000 each occurrence / \$4,000,000 aggregate, following form.
4. **Workers' Compensation and Employer's Liability:** Statutory coverage in compliance with the Workers' Compensation laws of the State of Connecticut. Policy shall include Employer's Liability with minimum limits of \$1,000,000 each accident, \$1,000,000 disease/policy limit, \$1,000,000 disease/each employee.

The Contractor represents that they are currently in compliance with all requirements of the State of Connecticut Workers' Compensation Act and that it shall remain in compliance for the duration of the Contract. The Contractor agrees that Workers' Compensation is their sole remedy and shall indemnify and hold harmless the Town from all suits, claims, and actions arising from personal injuries to the Contractor, however caused. This indemnity shall not be affected by a lapse of Workers' Compensation coverage and/or if the Contractor failed, neglected, refused or is unable to obtain Workers' Compensation insurance.

5. **Personal Property:** All personal property of the Contractor are the sole risk of the Contractor. The Contractor agrees to indemnify, defend and hold harmless the Town from any and all losses or damages, however caused, to any and all personal property belonging to the Contractor.

C. Additional Terms

1. **Minimum Scope and Limits:** The required insurance shall meet the minimum scope and limits of insurance specified in this Exhibit, or required by applicable federal, state and/or municipal law, regulation or requirement, whichever coverage is greater. Providing proof of compliance with the insurance requirements described in this Exhibit is not intended, and shall not be construed to exclude the Town from additional limits and coverage available to the Contractor.

Acceptance by the Town of insurance submitted by the Contractor does not relieve or decrease in any manner the liability of the Contractor arising out of or in connection with this Contract. The Contractor is responsible for any losses, claims and costs of any kind which exceed the Contractor's limits of liability, or which may be outside the coverage scope of the policies, or a result of non-compliance with any laws including, but not limited to, environmental laws. The requirements herein are not intended, and shall not be construed to limit or eliminate the liability of the Contractor that arises from the Contract.

2. **Certificates of Insurance:** The Contractor shall provide certificates of insurance, policy endorsements, declaration page(s) or provisions acceptable to the Town confirming compliance with this Exhibit and thereafter upon renewal or replacement of each required policy of insurance. Upon request, the Contractor agrees to furnish complete copies of the required policies.
3. **Subcontractors:** Contractor shall cause all contractors of any tier, acting on its behalf, to comply with this Exhibit. The Contractor shall either include its contractors as an Insured under its insurance policies or furnish separate certificates of insurance and endorsements for each subcontractor.
4. **Premiums, Deductibles and Other Liabilities:** Any and all related costs, including but not limited to, deductibles, retentions, losses, claim expenses, premiums, taxes, and audit charges earned are the sole responsibility of the Contractor.
5. **Occurrence Form, Primary and Non-Contributory:** All required insurance coverage shall be written on an occurrence basis, except as defined otherwise in this Exhibit. Each required policy of insurance shall be primary and non-contributory with respect to any insurance or self-insurance maintained by the Town.

6. Claims-made Form: Insurance coverage written on a claims-made basis shall have a retroactive date that precedes the effective date of this Contract. The Contractor shall maintain continuous coverage or obtain an extended reporting period in which to report claims following end of the Contract, for a minimum of two (2) years, except as defined otherwise in this Exhibit.
7. Waiver of Rights of Recovery: Both the Contractor and Contractor's insurers shall waive their rights of recovery or subrogation against the Town.
8. Claim Reporting: Any failure of the Contractor to comply with the claim reporting provisions of the required insurance policies shall not relieve the Contractor of any liability or indemnification in favor of the Town for losses which otherwise would have been covered by said policies.
9. Cancellation Notice: Each required insurance policy shall not be suspended, voided, cancelled or reduced except after thirty (30) days prior written notice has been given to the Town, ten (10) days for non-payment of premium.
10. Compliance: Failure to comply with any of the indemnification or insurance requirements may be held a willful violation and basis for immediate termination of the Contract.