



Purchasing Division
Finance Department
Room 120
411 West First Street
Duluth, Minnesota 55802

218-730-5340
purchasing@duluthmn.gov

Addendum #1
Solicitation 23-0113
2023 Manhole Insulation Project

This addendum serves to notify all bidders of the following changes to the solicitation documents:

The following questions asked are answered below in red italics:

1. Is there a detailed drawing of the expansion joints that need to be blanketed in these manholes?
A. No, this system has many different types of expansions throughout its 90 years. Not all expansions are the same in each manhole. A brochure of the expansions that we currently use. (See attachment A)
2. Blankets will you allow field fabricated with staples or do they all need to be manufactured sewn blankets?
A. Yes, as long as they are a removable blanket for maintenance access.
3. What gauge aluminum do you want for this project? Is it acceptable to screw aluminum lagging on or does it need to be banned on?
A. Use .016-gauge Stucco Aluminum
4. Is there flanges that need to be blanketed none listed in the measurements but indicated in the scope of work?
A. Yes, any of the manholes that have valves will have flanges. Typically, the valve blankets cover the flange portion.
5. It is noted that we are required two workers at each manhole location during work is Duluth Energy also providing someone for safety??
A. Yes. Duluth Energy will provide a technician during manhole project work hours.

6. Is Duluth Energy going to have air monitors set up for these manholes and the safety escape equipment such as tripod or is this not considered confined space?
A. Yes, all manholes are considered confined space. Safety equipment and air monitors will be provided for each location. A Duluth Energy entry permit will be filled out prior to entry. (See attachment B).
7. Says all permits shall be included in cost what permits are required for this project?
A. The Intent is to have contractor figure in all costs of project. This is insulation project only and no permits will be required.
8. Do we need hot work permits or anything filled out with Duluth Energy each day for the project?
A. Hot work permits are not required. Entry permit will be required to be filled out daily. (See attachment B).
9. Traffic barricades Duluth Energy providing or contractor?
A. Contractor will be required to provide all traffic barricades.
10. A lot of these manholes you have several pipe sizes listed then just a quantity of elbows, doesn't tell you which size the elbows are or which lines they go with?
*A. The elbow size is related to the pipe size directly above it.
Example: Four feet of four-inch pipe
Four – forty-five-degree elbows – the elbow size would be four inch.*
11. Correction to Manhole 863
A. Should read 14' of 1-1/4" pipe, not 1/4"
12. Correction to Manhole 880
A. Should read 1-1/4" pipe, not 1/4"

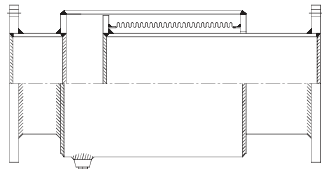
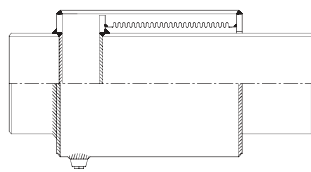
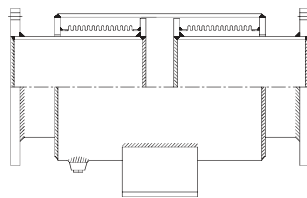
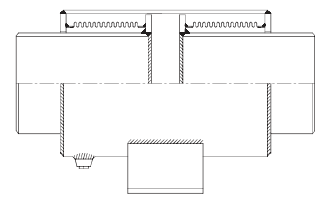
ATTACHMENTS:

Attachment A – Hyspan3500 Brochure

Attachment B – Permit Form

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com solicitation.

Posted: **March 6, 2023**

3501 Fixed Flange**3502 Weld End****3505 Fixed Flange
Dual Anchor Base****3506 Weld End
Dual Anchor Base****Table 5 Type 3501 and 3502**
Design Pressure: 150 psig Test Pressure: 225 psig Design Temperature: 500°F

Nominal Size (NPS)	Axial Spring Rate (1) (lb/in)	Part Number 3501 3502 3503	Axial Compr. (inches)	Axial Ext. (inches)	3501		3502	
					Overall Length (inches)	Weight (lbs)	Overall Length (inches)	Weight (lbs)
2	33	-131-4	4	1	24.75	31	24.25	23
	22	-131-6	6	2	33.75	40	33.25	32
	17	-131-8	8	2	40.25	47	39.75	39
2 1/2	79	-135-4	4	1	24.75	44	24.13	33
	54	-135-6	6	2	33.75	56	33.13	46
	35	-135-8	8	2	40.25	65	39.63	54
3	66	-140-4	4	1	24.75	60	24.13	46
	40	-140-6	6	2	33.75	77	33.13	63
	31	-140-8	8	2	40.25	87	39.63	74
4	121	-148-4	4	1	24.75	89	24.13	70
	74	-148-6	6	2	33.75	114	33.13	95
	57	-148-8	8	2	40.25	131	39.63	112
5	313	-155-4	4	1	24.75	95	24.13	73
	196	-155-6	6	2	33.75	119	33.13	98
	139	-155-8	8	2	40.25	139	39.63	118
6	348	-160-4	4	1	26.50	141	25.88	110
	218	-160-6	6	2	35.25	174	34.63	142
	155	-160-8	8	2	41.75	202	41.13	171
8	380	-167-4	4	1	26.50	190	25.75	145
	234	-167-6	6	2	35.25	242	34.50	196
	176	-167-8	8	2	41.75	275	41.00	230
10	452	-174-4	4	1	26.50	259	25.75	202
	267	-174-6	6	2	35.25	326	34.50	268
	203	-174-8	8	2	41.75	370	41.00	313
12	418	-180-4	4	1	28.75	344	28.00	261
	253	-180-6	6	2	37.25	428	36.50	345
	183	-180-8	8	2	44.50	478	43.75	395
14	1193	-181-4	4	1	28.75	429	28.00	301
	738	-181-6	6	2	37.25	516	36.50	388
	515	-181-8	8	2	44.50	584	43.75	456
16	1314	-182-4	4	1	28.75	492	28.00	338
	813	-182-6	6	2	37.25	589	36.50	436
	567	-182-8	8	2	44.50	666	43.75	512
18	1438	-183-4	4	1	29.50	528	28.75	374
	888	-183-6	6	2	38.00	636	37.25	482
	619	-183-8	8	2	45.25	721	44.50	567
20	1206	-184-4	4	1	29.50	596	28.75	415
	748	-184-6	6	2	38.00	717	37.25	536
	529	-184-8	8	2	45.25	811	44.50	631
24	1409	-186-4	4	1	29.50	742	28.75	468
	874	-186-6	6	2	38.00	883	37.25	609
	616	-186-8	8	2	45.25	993	44.50	719
1	2	3	4	5	6	7	8	9



Authorized Entrant Name	Pre-Entry Monitoring Results Satisfied (Entrant Initial)	Pre-Entry Monitoring Results Satisfied (Attendant Initial)	Time In	Time Out

CONTINUOUS MONITORING RESULTS⁵

Time	O ₂ 19.5-23.5 %	Comb Gas <10% LEL	CO <25 ppm	H ₂ S < 5 ppm	Initial (attendant)	Remarks

PERMIT CLOSE-OUT⁶

Entry Supervisor Close-Out Signature

Time

Date

Operating Engineer Notified:

(Not applicable for distribution system PRCS entries)

_____/_____
(Signature/ date)

Confined Space Entry Permit Procedure Notes:

1. Obtain Permit Number from the Permit Log Book
2. If not within calibration periodicity, STOP – use only a calibrated monitor
3. Multiple continuous monitoring devices may be required if multiple entrants are working in different areas of PRCS.
4. Active, authorized permits shall be posted at the PRCS entry location.
5. Results shall be recorded at least every hour while permit is in effect.
6. Closed-Out Permits shall be filed in Entry Permit Log Book.