Purchasing Division
Finance Department

Room 120
411 West First Street
Duluth, Minnesota 55802

218-730-5340
purchasing@duluthmn.gov

Addendum 2
Solicitation 24-4405
DIA Midfield Ramp – Phase 2 and Deicing Tank Pad

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

Please see the attached documents

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

Posted: **3/7/24**

DOCUMENT 00 00 12

ADDENDUM NO. 2
March 6, 2024

Midfield Ramp – Phase 2 and Deicing Tank Pad
Duluth International Airport
Duluth, Minnesota
City of Duluth No. 24-4405

SEH No. DULAI 175226

From: Short Elliott Hendrickson Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110-3507
651.490.2000

To: Document Holders

DOCUMENT HOLDERS on the above-named project are hereby notified that this document shall be appended to, take precedence over and become part of the original bidding documents dated February 16, 2024, for this work. Bids submitted for the construction of this work shall conform to this document.

This addendum consists of 12 pages.

Changes to Conditions of the Contract:

1. Project #1 – REMOVE & REPLACE State Wage Rates with rates in this addendum

Changes to Drawings:

2. Project #1 – C3.00 – Jointing Plan – Base Bid – REPLACE existing C3.00. New sheet shows the areas which are required to be reinforced concrete.

3. Project #1 – C3.01 – Jointing Plan – Alternate – REPLACE existing C3.01. New sheet shows the areas which are required to be reinforced concrete.

Clarifications

4. Project #1 will utilize State wage rates (as attached in this addendum)

5. Project #2 will utilize the higher of Federal or State wage rates

Note: Receipt of this Addendum No. 2, dated March 6, 2024 shall be acknowledged on www.bidexpress.com. Failure to do so will not allow Bidder to submit Bid.

END OF ADDENDUM

MINNESOTA DEPARTMENT OF LABOR AND INDUSTRY PREVAILING WAGES FOR STATE FUNDED CONSTRUCTION PROJECTS

THIS NOTICE MUST BE POSTED ON THE JOBSITE IN A CONSPICUOUS PLACE

Construction Type: Highway and Heavy

Region Number: 01

Counties within region:

- CARLTON-09
- COOK-16
- ITASCA-31
- KOOCHICHING-36
- LAKE-38
- PINE-58
- ST. LOUIS-69

Effective: 2023-11-20

This project is covered by Minnesota prevailing wage statutes. Wage rates listed below are the minimum hourly rates to be paid on this project.

All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at a rate of one and one half (1 1/2) times the basic hourly rate. *Note: Overtime pay after eight (8) hours on the project must be paid even if the worker does not exceed forty (40) hours in the work week.*

Violations on MnDOT highways and road projects should be reported to:

Department of Transportation
Office of Construction
Transportation Building MS650
John Ireland Blvd
St. Paul, MN 55155
(651) 366-4209

All other prevailing wage violations and questions should be sent to:

Department of Labor and Industry
Prevailing Wage Section
443 Lafayette Road N
St Paul, MN 55155
(651) 284-5091
DLI.PrevWage@state.mn.us

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
LABORERS (101 - 112) (SPECIAL CRAFTS 701 - 730)					
101	LABORER, COMMON (GENERAL LABOR WORK)	2023-11-20	37.53	23.67	61.20
		2024-05-01	40.26	24.42	64.68
102	LABORER, SKILLED (ASSISTING SKILLED CRAFT JOURNEYMAN)	2023-11-20	37.53	23.67	61.20
		2024-05-01	40.26	24.42	64.68

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
103	LABORER, LANDSCAPING (GARDENER, SOD LAYER AND NURSERY OPERATOR)	2023-11-20	28.29	20.41	48.70
		2024-05-01	30.04	21.16	51.20
104	FLAG PERSON	2023-11-20	37.53	23.67	61.20
		2024-05-01	40.26	24.42	64.68
105	WATCH PERSON	2023-11-20	30.58	21.77	52.35
106	BLASTER	2023-11-20	38.53	22.67	61.20
107	PIPELAYER (WATER, SEWER AND GAS)	2023-11-20	41.03	23.67	64.70
		2024-05-01	43.76	24.42	68.18
108	TUNNEL MINER	2023-11-20	35.63	22.02	57.65
109	UNDERGROUND AND OPEN DITCH LABORER (EIGHT FEET BELOW STARTING GRADE LEVEL)	2023-11-20	37.12	25.58	62.70
		2024-05-01	39.94	26.24	66.18
110	SURVEY FIELD TECHNICIAN (OPERATE TOTAL STATION, GPS RECEIVER, LEVEL, ROD OR RANGE POLES, STEEL TAPE MEASUREMENT; MARK AND DRIVE STAKES; HAND OR POWER DIGGING FOR AND IDENTIFICATION OF MARKERS OR MONUMENTS; PERFORM AND CHECK CALCULATIONS; REVIEW AND UNDERSTAND CONSTRUCTION PLANS AND LAND SURVEY MATERIALS). THIS CLASSIFICATION DOES NOT APPLY TO THE WORK PERFORMED ON A PREVAILING WAGE PROJECT BY A LAND SURVEYOR WHO IS LICENSED PURSUANT TO MINNESOTA STATUTES, SECTIONS 326.02 TO 326.15.	2023-11-20	35.62	25.58	61.20
		2024-05-01	38.44	26.24	64.68
111	TRAFFIC CONTROL PERSON (TEMPORARY SIGNAGE)	2023-11-20	35.53	22.67	58.20
112	QUALITY CONTROL TESTER (FIELD AND COVERED OFF-SITE FACILITIES; TESTING OF	2023-11-20	31.00	13.93	44.93

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
	AGGREGATE, ASPHALT, AND CONCRETE MATERIALS); LIMITED TO MN DOT HIGHWAY AND HEAVY CONSTRUCTION PROJECTS WHERE THE MN DOT HAS RETAINED QUALITY ASSURANCE PROFESSIONALS TO REVIEW AND INTERPRET THE RESULTS OF QUALITY CONTROL TESTERS. SERVICES PROVIDED BY THE CONTRACTOR.				
SPECIAL EQUIPMENT (201 - 204)					
201	ARTICULATED HAULER	2023-11-20	42.49	25.20	67.69
		2024-04-29	44.67	26.40	71.07
202	BOOM TRUCK	2023-11-20	44.94	25.00	69.94
203	LANDSCAPING EQUIPMENT, INCLUDES HYDRO SEEDER OR MULCHER, SOD ROLLER, FARM TRACTOR WITH ATTACHMENT SPECIFICALLY SEEDING, SODDING, OR PLANT, AND TWO-FRAMED FORKLIFT (EXCLUDING FRONT, POSIT-TRACK, AND SKID STEER LOADERS), NO EARTHWORK OR GRADING FOR ELEVATIONS	2023-11-20	24.00	16.96	40.96
204	OFF-ROAD TRUCK	2023-11-20	42.49	25.20	67.69
		2024-04-29	44.67	26.40	71.07
205	PAVEMENT MARKING OR MARKING REMOVAL EQUIPMENT (ONE OR TWO PERSON OPERATORS); SELF-PROPELLED TRUCK OR TRAILER MOUNTED UNITS.	2023-11-20	41.29	23.48	64.77
HIGHWAY/HEAVY POWER EQUIPMENT OPERATOR					
GROUP 2		2023-11-20	43.38	25.20	68.58
		2024-04-29	45.61	26.40	72.01
302	HELICOPTER PILOT (HIGHWAY AND HEAVY ONLY)				
303	CONCRETE PUMP (HIGHWAY AND HEAVY ONLY)				
304	ALL CRANES WITH OVER 135-FOOT BOOM, EXCLUDING JIB (HIGHWAY AND HEAVY ONLY)				
305	DRAGLINE, CRAWLER, HYDRAULIC BACKHOE (TRACK OR WHEEL MOUNTED) AND/OR OTHER SIMILAR				

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
	EQUIPMENT WITH SHOVEL-TYPE CONTROLS THREE CUBIC YARDS AND OVER MANUFACTURER.S RATED CAPACITY INCLUDING ALL ATTACHMENTS. (HIGHWAY AND HEAVY ONLY)				
306	GRADER OR MOTOR PATROL				
307	PILE DRIVING (HIGHWAY AND HEAVY ONLY)				
308	TUGBOAT 100 H.P. AND OVER WHEN LICENSE REQUIRED (HIGHWAY AND HEAVY ONLY)				
GROUP 3		2023-11-20	42.81	25.20	68.01
		2024-04-29	45.01	26.40	71.41
309	ASPHALT BITUMINOUS STABILIZER PLANT				
310	CABLEWAY				
311	CONCRETE MIXER, STATIONARY PLANT (HIGHWAY AND HEAVY ONLY)				
312	DERRICK (GUY OR STIFFLEG)(POWER)(SKIDS OR STATIONARY) (HIGHWAY AND HEAVY ONLY)				
313	DRAGLINE, CRAWLER, HYDRAULIC BACKHOE (TRACK OR WHEEL MOUNTED) AND/OR SIMILAR EQUIPMENT WITH SHOVEL-TYPE CONTROLS, UP TO THREE CUBIC YARDS MANUFACTURER.S RATED CAPACITY INCLUDING ALL ATTACHMENTS (HIGHWAY AND HEAVY ONLY)				
314	DREDGE OR ENGINEERS, DREDGE (POWER) AND ENGINEER				
315	FRONT END LOADER, FIVE CUBIC YARDS AND OVER INCLUDING ATTACHMENTS. (HIGHWAY AND HEAVY ONLY)				
316	LOCOMOTIVE CRANE OPERATOR				
317	MIXER (PAVING) CONCRETE PAVING, ROAD MOLE, INCLUDING MUCKING OPERATIONS, CONWAY OR SIMILAR TYPE				
318	MECHANIC . WELDER ON POWER EQUIPMENT (HIGHWAY AND HEAVY ONLY)				
319	TRACTOR . BOOM TYPE (HIGHWAY AND HEAVY ONLY)				
320	TANDEM SCRAPER				
321	TRUCK CRANE . CRAWLER CRANE (HIGHWAY AND HEAVY ONLY)				
322	TUGBOAT 100 H.P AND OVER (HIGHWAY AND HEAVY ONLY)				
GROUP 4		2023-11-20	42.49	25.20	67.69
		2024-04-29	44.67	26.40	71.07
323	AIR TRACK ROCK DRILL				
324	AUTOMATIC ROAD MACHINE (CMI OR SIMILAR) (HIGHWAY AND HEAVY ONLY)				
325	BACKFILLER OPERATOR				
326	CONCRETE BATCH PLANT OPERATOR (HIGHWAY AND HEAVY ONLY)				
327	BITUMINOUS ROLLERS, RUBBER TIRED OR STEEL DRUMMED (EIGHT TONS AND OVER)				
328	BITUMINOUS SPREADER AND FINISHING MACHINES (POWER), INCLUDING PAVERS, MACRO SURFACING AND MICRO SURFACING, OR SIMILAR TYPES (OPERATOR AND SCREED PERSON)				
329	BROKK OR R.T.C. REMOTE CONTROL OR SIMILAR TYPE WITH ALL ATTACHMENTS				
330	CAT CHALLENGER TRACTORS OR SIMILAR TYPES PULLING ROCK WAGONS, BULLDOZERS AND SCRAPERS				
331	CHIP HARVESTER AND TREE CUTTER				
332	CONCRETE DISTRIBUTOR AND SPREADER FINISHING MACHINE, LONGITUDINAL FLOAT, JOINT MACHINE, AND SPRAY MACHINE				
333	CONCRETE MIXER ON JOBSITE (HIGHWAY AND HEAVY ONLY)				

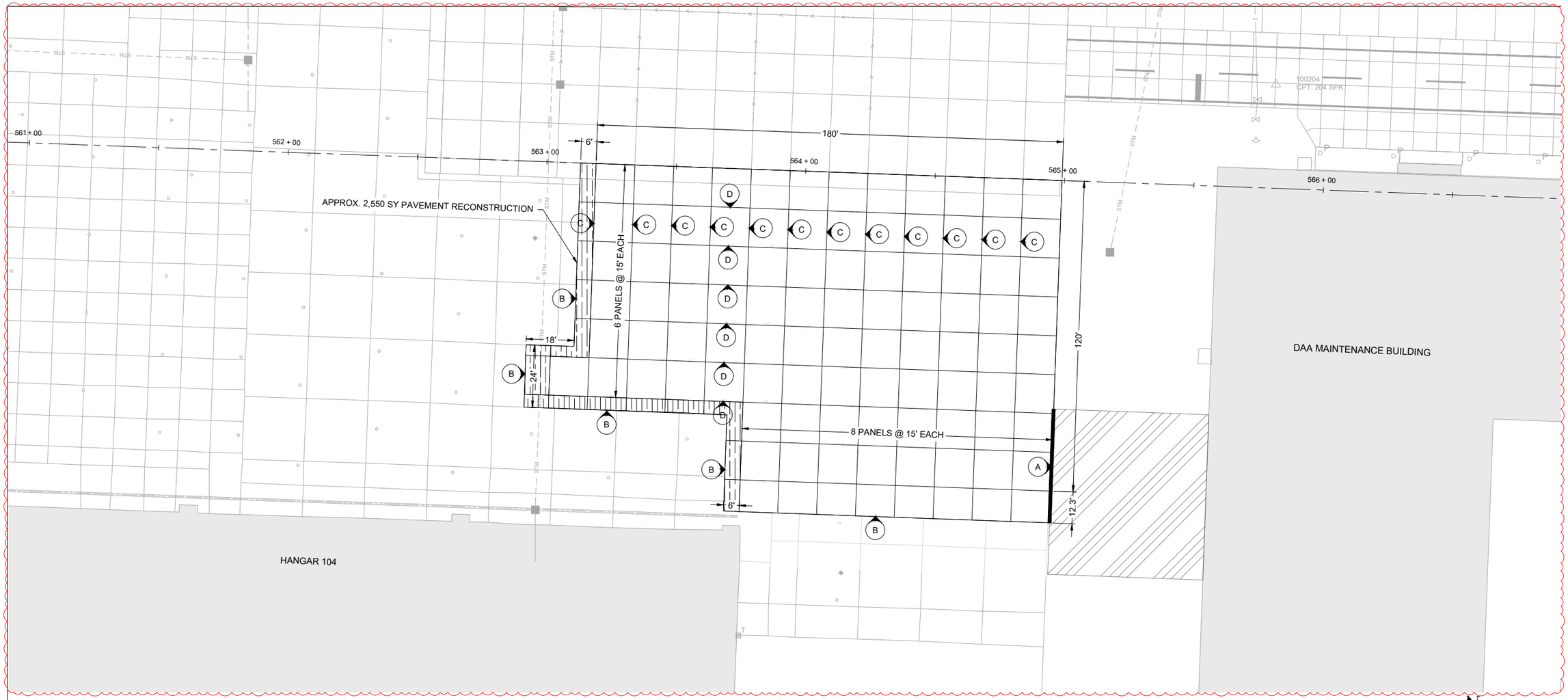
LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
334	CONCRETE MOBIL (HIGHWAY AND HEAVY ONLY)				
335	CRUSHING PLANT (GRAVEL AND STONE) OR GRAVEL WASHING, CRUSHING AND SCREENING PLANT				
336	CURB MACHINE				
337	DIRECTIONAL BORING MACHINE				
338	DOPE MACHINE (PIPELINE)				
339	DRILL RIGS, HEAVY ROTARY OR CHURN OR CABLE DRILL (HIGHWAY AND HEAVY ONLY)				
340	DUAL TRACTOR				
341	ELEVATING GRADER				
342	FORK LIFT OR STRADDLE CARRIER (HIGHWAY AND HEAVY ONLY)				
343	FORK LIFT OR LUMBER STACKER (HIGHWAY AND HEAVY ONLY)				
344	FRONT END, SKID STEER OVER 1 TO 5 C YD				
345	GPS REMOTE OPERATING OF EQUIPMENT				
346	HOIST ENGINEER (POWER) (HIGHWAY AND HEAVY ONLY)				
347	HYDRAULIC TREE PLANTER				
348	LAUNCHER PERSON (TANKER PERSON OR PILOT LICENSE)				
349	LOCOMOTIVE (HIGHWAY AND HEAVY ONLY)				
350	MILLING, GRINDING, PLANNING, FINE GRADE, OR TRIMMER MACHINE				
351	MULTIPLE MACHINES, SUCH AS AIR COMPRESSORS, WELDING MACHINES, GENERATORS, PUMPS (HIGHWAY AND HEAVY ONLY)				
352	PAVEMENT BREAKER OR TAMPING MACHINE (POWER DRIVEN) MIGHTY MITE OR SIMILAR TYPE				
353	PICKUP SWEEPER, ONE CUBIC YARD AND OVER HOPPER CAPACITY(HIGHWAY AND HEAVY ONLY)				
354	PIPELINE WRAPPING, CLEANING OR BENDING MACHINE				
355	POWER PLANT ENGINEER, 100 KWH AND OVER (HIGHWAY AND HEAVY ONLY)				
356	POWER ACTUATED HORIZONTAL BORING MACHINE, OVER SIX INCHES				
357	PUGMILL				
358	PUMPCRETE (HIGHWAY AND HEAVY ONLY)				
359	RUBBER-TIRED FARM TRACTOR WITH BACKHOE INCLUDING ATTACHMENTS (HIGHWAY AND HEAVY ONLY)				
360	SCRAPER				
361	SELF-PROPELLED SOIL STABILIZER				
362	SLIP FORM (POWER DRIVEN) (PAVING)				
363	TIE TAMPER AND BALLAST MACHINE				
364	TRACTOR, BULLDOZER (HIGHWAY AND HEAVY ONLY)				
365	TRACTOR, WHEEL TYPE, OVER 50 H.P. WITH PTO UNRELATED TO LANDSCAPING (HIGHWAY AND HEAVY ONLY)				
366	TRENCHING MACHINE (SEWER, WATER, GAS) EXCLUDES WALK BEHIND TRENCHER (HIGHWAY AND HEAVY ONLY)				
367	TUB GRINDER, MORBARK, OR SIMILAR TYPE				
368	WELL POINT DISMANTLING OR INSTALLATION (HIGHWAY AND HEAVY ONLY)				
GROUP 5		2023-11-20	39.33	25.20	64.53
		2024-04-29	41.36	26.40	67.76

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
369	AIR COMPRESSOR, 600 CFM OR OVER (HIGHWAY AND HEAVY ONLY)				
370	BITUMINOUS ROLLER (UNDER EIGHT TONS)				
371	CONCRETE SAW (MULTIPLE BLADE) (POWER OPERATED)				
372	FORM TRENCH DIGGER (POWER)				
373	FRONT END, SKID STEER UP TO 1C YD				
374	GUNITE GUNALL (HIGHWAY AND HEAVY ONLY)				
375	HYDRAULIC LOG SPLITTER				
376	LOADER (BARBER GREENE OR SIMILAR TYPE)				
377	POST HOLE DRIVING MACHINE/POST HOLE AUGER				
378	POWER ACTUATED AUGER AND BORING MACHINE				
379	POWER ACTUATED JACK				
380	PUMP (HIGHWAY AND HEAVY ONLY)				
381	SELF-PROPELLED CHIP SPREADER (FLAHERTY OR SIMILAR)				
382	SHEEP FOOT COMPACTOR WITH BLADE . 200 H.P. AND OVER				
383	SHOULDERING MACHINE (POWER) APSCO OR SIMILAR TYPE INCLUDING SELF-PROPELLED SAND AND CHIP SPREADER				
384	STUMP CHIPPER AND TREE CHIPPER				
385	TREE FARMER (MACHINE)				
GROUP 6		2023-11-20	38.06	25.20	63.26
		2024-04-29	40.02	26.40	66.42
387	CAT, CHALLENGER, OR SIMILAR TYPE OF TRACTORS, WHEN PULLING DISK OR ROLLER				
388	CONVEYOR (HIGHWAY AND HEAVY ONLY)				
389	DREDGE DECK HAND				
390	FIRE PERSON OR TANK CAR HEATER (HIGHWAY AND HEAVY ONLY)				
391	GRAVEL SCREENING PLANT (PORTABLE NOT CRUSHING OR WASHING)				
392	GREASER (TRACTOR) (HIGHWAY AND HEAVY ONLY)				
393	LEVER PERSON				
394	OILER (POWER SHOVEL, CRANE, TRUCK CRANE, DRAGLINE, CRUSHERS, AND MILLING MACHINES, OR OTHER SIMILAR HEAVY EQUIPMENT) (HIGHWAY AND HEAVY ONLY)				
395	POWER SWEEPER				
396	SHEEP FOOT ROLLER AND ROLLERS ON GRAVEL COMPACTION, INCLUDING VIBRATING ROLLERS				
397	TRACTOR, WHEEL TYPE, OVER 50 H.P., UNRELATED TO LANDSCAPING				
TRUCK DRIVERS					
GROUP 1		2023-11-20	36.59	22.70	59.29
		2024-05-01	38.55	23.70	62.25
601	MECHANIC . WELDER				
602	TRACTOR TRAILER DRIVER				

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
603	TRUCK DRIVER (HAULING MACHINERY INCLUDING OPERATION OF HAND AND POWER OPERATED WINCHES)				
GROUP 2		2023-11-20	36.01	22.70	58.71
		2024-05-01	37.95	23.70	61.65
604	FOUR OR MORE AXLE UNIT, STRAIGHT BODY TRUCK				
GROUP 3		2023-11-20	35.91	22.70	58.61
		2024-05-01	37.84	23.70	61.54
605	BITUMINOUS DISTRIBUTOR DRIVER				
606	BITUMINOUS DISTRIBUTOR (ONE PERSON OPERATION)				
607	THREE AXLE UNITS				
GROUP 4		2023-11-20	35.65	22.70	58.35
		2024-05-01	37.57	23.70	61.27
608	BITUMINOUS DISTRIBUTOR SPRAY OPERATOR (REAR AND OILER)				
609	DUMP PERSON				
610	GREASER				
611	PILOT CAR DRIVER				
612	RUBBER-TIRED, SELF-PROPELLED PACKER UNDER 8 TONS				
613	TWO AXLE UNIT				
614	SLURRY OPERATOR				
615	TANK TRUCK HELPER (GAS, OIL, ROAD OIL, AND WATER)				
616	TRACTOR OPERATOR, UNDER 50 H.P.				
SPECIAL CRAFTS					
701	HEATING AND FROST INSULATORS	2023-11-20	45.56	20.20	65.76
702	BOILERMAKERS	2023-11-20	44.37	30.55	74.92
		2024-01-01	46.00	31.93	77.93
703	BRICKLAYERS	2023-11-20	42.19	30.93	73.12
		2024-05-01	45.69	30.93	76.62
704	CARPENTERS	2023-11-20	40.76	28.28	69.04
		2024-05-01	45.26	28.28	73.54
705	CARPET LAYERS (LINOLEUM)	2023-11-20	32.13	12.85	44.98
706	CEMENT MASONS	2023-11-20	42.93	22.13	65.06

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
		2024-04-29	46.09	22.13	68.22
707	ELECTRICIANS	2023-11-20	44.77	30.83	75.60
		2024-06-02	46.59	31.64	78.23
711	GROUND PERSON	2023-11-20	33.40	16.30	49.70
712	IRONWORKERS	2023-11-20	39.14	34.11	73.25
		2024-04-28	42.34	34.11	76.45
713	LINEMAN	2023-11-20	47.71	20.31	68.02
714	MILLWRIGHT	2023-11-20	41.77	27.55	69.32
715	PAINTERS (INCLUDING HAND BRUSHED, HAND SPRAYED, AND THE TAPING OF PAVEMENT MARKINGS)	2023-11-20	31.39	19.99	51.38
716	PILEDRIVER (INCLUDING VIBRATORY DRIVER OR EXTRACTOR FOR PILING AND SHEETING OPERATIONS)	2023-11-20	43.53	27.91	71.44
		2024-05-01	47.03	27.91	74.94
717	PIPEFITTERS . STEAMFITTERS	2023-11-20	47.44	25.78	73.22
		2024-05-06	50.64	25.78	76.42
719	PLUMBERS	2023-11-20	41.02	22.03	63.05
721	SHEET METAL WORKERS	2023-11-20	42.83	29.75	72.58
723	TERRAZZO WORKERS	FOR RATE CALL 651-284-5091 OR EMAIL DLI.PREVWAGE@STATE.MN.US			
724	TILE SETTERS	FOR RATE CALL 651-284-5091 OR EMAIL DLI.PREVWAGE@STATE.MN.US			
725	TILE FINISHERS	FOR RATE CALL 651-284-5091 OR EMAIL DLI.PREVWAGE@STATE.MN.US			
727	WIRING SYSTEM TECHNICIAN	2023-11-20	44.61	20.16	64.77
728	WIRING SYSTEMS INSTALLER	2023-11-20	31.25	16.34	47.59

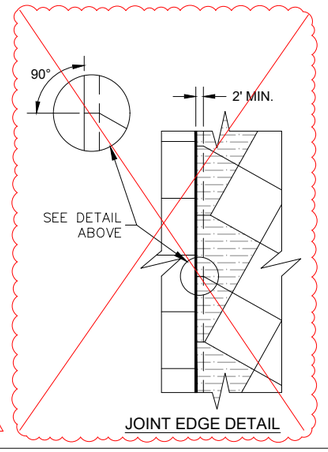
LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
729	ASBESTOS ABATEMENT WORKER	2023-11-20	36.13	22.45	58.58
730	SIGN ERECTOR	FOR RATE CALL 651-284-5091 OR EMAIL DLI.PREVWAGE@STATE.MN.US			



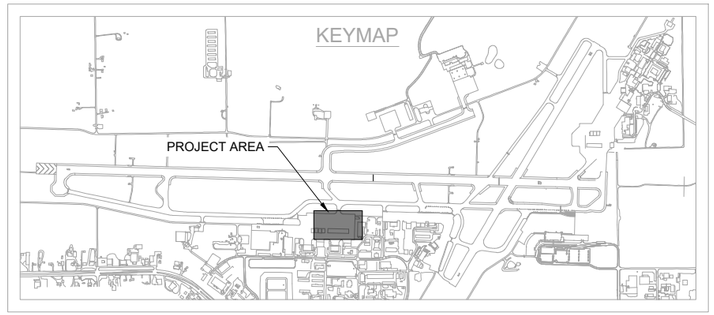
2 JOINTING PLAN - BASE BID

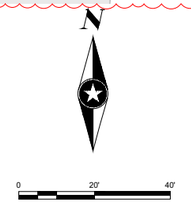
GENERAL NOTES:

1. SEE SHEET C3.02 FOR PAVEMENT JOINT DETAILS FOR ADDITIONAL CONSTRUCTION AND GENERAL NOTES.
2. SEE SHEET C2.00 FOR CONCRETE PAVEMENT LIMIT LOCATIONS.
2. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS FOR TIE IN OF PROPOSED PAVEMENT TO EXISTING PAVEMENT
3. ALL SUBSURFACE UTILITIES TO BE PROTECTED BY CONTRACTOR. ANY DAMAGED UTILITIES TO BE REPAIRED BY CONTRACTOR AT NO COST TO OWNER
4. ALL JOINT TYPES ARE CONTINUOUS UNLESS NOTED OTHERWISE.
5. PORTLAND CEMENT CONCRETE PAVEMENT JOINTS SHALL NOT VARY MORE THAN 1/2-INCH FROM THEIR DESIGNATED POSITION AND SHALL BE TRUE TO LINE WITH NOT MORE THAN 1/4-INCH VARIATION IN 10-FEET, ANY JOINT(S) THAT ARE NOT PARALLEL OR PERPENDICULAR, OTHER THAN IRREGULAR SLABS, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT.
6. SHOULD THE CONTRACTOR REVISE THE PAVING DIRECTION OR PAVE MULTIPLE PANEL WIDTHS, THIS PAVEMENT JOINT LAYOUT WILL BE REVISED ACCORDINGLY. ANY CHANGES TO THE JOINT LAYOUT MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
7. ALL MATERIALS AND WORK NECESSARY TO CONSTRUCT JOINTS PER JOINTING PLAN (SAWING, DOWELS, REINFORCEMENT, ETC.) ARE CONSIDERED INCIDENTAL TO THE CEMENT CONCRETE PAVEMENT LINE ITEM.
8. CONTRACTOR SHALL SUBMIT CONCRETE PAVING PLAN FOR REVIEW AND APPROVAL FROM ENGINEER PRIOR TO THE START OF CONSTRUCTION, INCLUDING PLANNED CONSTRUCTION JOINTS, PAVING HEADERS AND HAND POUR LOCATIONS. HAND POURS SHALL BE HELD TO A MINIMUM AND ONLY USED WHERE SLIP FORM PAVING IS NOT PRACTICAL.



2 JOINT EDGE DETAIL





LEGEND

- JOINT TYPE, SEE PAVEMENT JOINT DETAILS (SHEET C3.02)
- EXISTING PORTLAND CEMENT CONCRETE (PCC) & PANELS
- PROPOSED PORTLAND CEMENT CONCRETE (PCC) & PANELS
- PROPOSED REINFORCED PORTLAND CEMENT CONCRETE (PCC)
- TYPE A THICKENED EDGE ISOLATION JOINT LOCATION (SEE SHT. C3.02 FOR DETAILS)
- ADJACENT PROJECT (PROJECT 2)

3535 VADNAIS CENTER DR
ST PAUL, MN 55110
PHONE: 651.490.2000
FAX: 651.490.2150
MN TOLL FREE: 800.325.2065
www.sehinc.com

SEH

DULUTH INTERNATIONAL AIRPORT

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Shawn T. McMahon, PE
DATE FEBRUARY 15, 2024 LICENSE NO. 49859

DULUTH INTERNATIONAL AIRPORT
2024 MIDFIELD RAMP REPAIR - PHASE 2
DULUTH, MINNESOTA

MARK	DATE	DESCRIPTION
2.	03.06.2024	ADDENDUM #2

REVISIONS

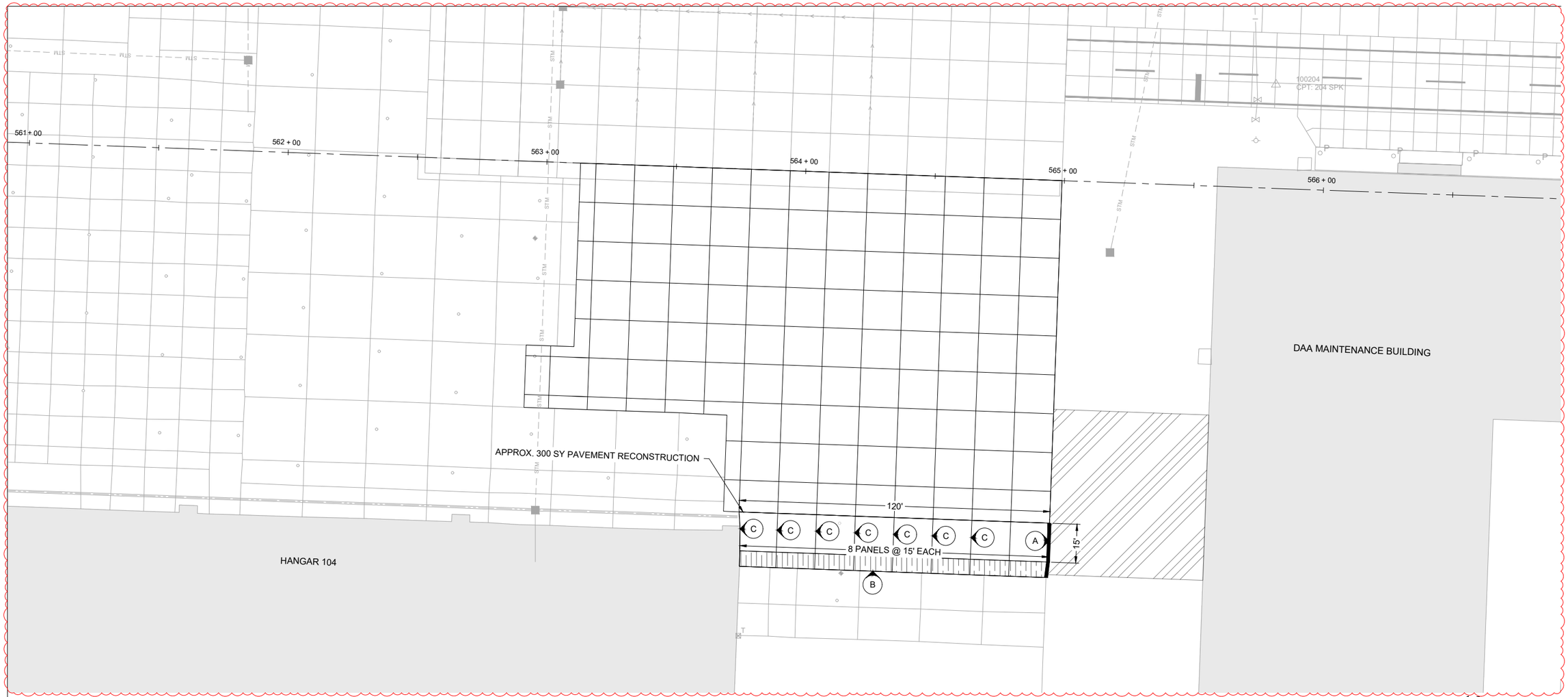
SEH FILE NO. DULAI 175226
STATE PROJECT NO. A6901-216
ISSUE DATE FEBRUARY 15, 2024
DESIGNED BY JPH
DRAWN BY LZ

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SHEET TITLE
JOINTING PLAN - BASE BID

SHEET
C3.00

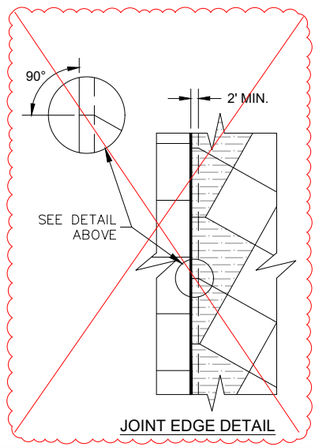
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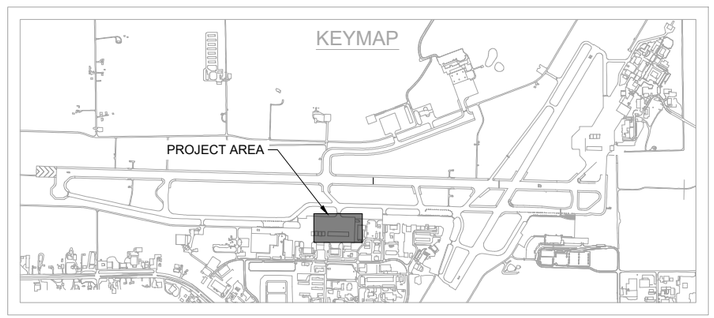
JOINTING PLAN - ALTERNATE

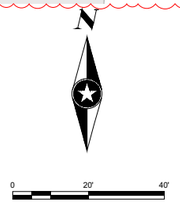
GENERAL NOTES:

1. SEE SHEET C3.02 FOR PAVEMENT JOINT DETAILS FOR ADDITIONAL CONSTRUCTION AND GENERAL NOTES.
2. SEE SHEET C2.00 FOR CONCRETE PAVEMENT LIMIT LOCATIONS.
2. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS FOR TIE IN OF PROPOSED PAVEMENT TO EXISTING PAVEMENT
3. ALL SUBSURFACE UTILITIES TO BE PROTECTED BY CONTRACTOR. ANY DAMAGED UTILITIES TO BE REPAIRED BY CONTRACTOR AT NO COST TO OWNER
4. ALL JOINT TYPES ARE CONTINUOUS UNLESS NOTED OTHERWISE.
5. PORTLAND CEMENT CONCRETE PAVEMENT JOINTS SHALL NOT VARY MORE THAN 1/2-INCH FROM THEIR DESIGNATED POSITION AND SHALL BE TRUE TO LINE WITH NOT MORE THAN 1/4-INCH VARIATION IN 10-FEET, ANY JOINT(S) THAT ARE NOT PARALLEL OR PERPENDICULAR, OTHER THAN IRREGULAR SLABS, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT.
6. SHOULD THE CONTRACTOR REVISE THE PAVING DIRECTION OR PAVE MULTIPLE PANEL WIDTHS, THIS PAVEMENT JOINT LAYOUT WILL BE REVISED ACCORDINGLY. ANY CHANGES TO THE JOINT LAYOUT MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
7. ALL MATERIALS AND WORK NECESSARY TO CONSTRUCT JOINTS PER JOINTING PLAN (SAWING, DOWELS, REINFORCEMENT, ETC.) ARE CONSIDERED INCIDENTAL TO THE CEMENT CONCRETE PAVEMENT LINE ITEM.
8. CONTRACTOR SHALL SUBMIT CONCRETE PAVING PLAN FOR REVIEW AND APPROVAL FROM ENGINEER PRIOR TO THE START OF CONSTRUCTION, INCLUDING PLANNED CONSTRUCTION JOINTS, PAVING HEADERS AND HAND POUR LOCATIONS. HAND POURS SHALL BE HELD TO A MINIMUM AND ONLY USED WHERE SLIP FORM PAVING IS NOT PRACTICAL.



JOINT EDGE DETAIL





LEGEND

- JOINT TYPE, SEE PAVEMENT JOINT DETAILS (SHEET C3.02)
- EXISTING PORTLAND CEMENT CONCRETE (PCC) & PANELS
- PROPOSED PORTLAND CEMENT CONCRETE (PCC) & PANELS
- PROPOSED REINFORCED PORTLAND CEMENT CONCRETE (PCC)
- TYPE A THICKENED EDGE ISOLATION JOINT LOCATION (SEE SHT. C3.02 FOR DETAILS)
- ADJACENT PROJECT (PROJECT 2)

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DULUTH INTERNATIONAL AIRPORT

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Shawn T. McMahon, PE
DATE FEBRUARY 15, 2024 LICENSE NO. 49859

DULUTH INTERNATIONAL AIRPORT
2024 MIDFIELD RAMP REPAIR - PHASE 2
DULUTH, MINNESOTA

2 03.06.2024 ADDENDUM #2
MARK DATE DESCRIPTION
REVISIONS

SEH FILE NO. DULAI 175226
STATE PROJECT NO. A6901-216
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DRAWN BY LZ

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SHEET TITLE
JOINTING PLAN - ALTERNATE

SHEET
C3.01

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