



**Request for Quote - Subcontractors and Suppliers**

**Project:** 2022 Taxiway P Reconstruction  
**Project Goal(s):** 11% DBE  
**County:** Hennepin County, MSP International Airport  
**Bid Date:** Tuesday, January 18, 2022  
**Bid Time:** 2:00 PM

**Vendor's**

**Proposal Due Date:** **5pm, Monday 1/17/2022 (including Letter of Intent) (SPM)**

**Project Completion:** Friday, September 30, 2022

Max Steinger, Inc. is soliciting quotations from qualified bidders for this project. To assist, we have attached the following documents:

1. Ad for Bid
2. Categories of Work Identified
3. Plan Title Sheet
4. Bid Form

Max Steinger, Inc. is an Equal Opportunity Employer and encourages participation from all qualified & certified subcontractors and suppliers. Plans and specs are available at [www.questcdn.com](http://www.questcdn.com). Sign in using your QuestCDN login or register as a new member. Click on PROJECTS. Then SEARCH PROJECTS and enter the following Quest EDOC # and password:

**Quest EDOC #: 8102962**

**Password: 82**

<https://www.dropbox.com/sh/do6h1qiv71l9cmy/AAA-vlc0XGKubT22MdTPNYzBa?dl=0>

**Plans and specs downloaded using Dropbox link will not notify you of any addendums. It is your responsibility to contact us to ensure you have all addendums if applicable.**

We can provide the following assistance if needed:

1. For obtaining bonding, insurance and lines of credit
2. For locating equipment and supplies
3. For questions on project schedules relative to your work
4. For technical assistance in preparation of your quote

We request that you respond back via email or fax if you will be providing a quote or not for our records.

Thanks in advance,

Max Steinger Inc.  
[estimator@maxsteinger.net](mailto:estimator@maxsteinger.net)  
651-454-6620 (o)  
651-454-6716 (f)

## CATEGORIES OF WORK



PROJECT: **2022 Taxiway P Reconstruction**

Goal(s): **11% DBE**

BID DATE: **1/18/2022**

BID TIME: **2:00 PM**

We also provide you with a line item description of the bid form if available and if you need to break down a scope of work into more economically feasible units, please feel free to do so. We welcome this as it gives us an opportunity to debundle work if needed towards meeting the DBE Goals.

For this project, the specific scope of work that we feel describes the opportunities are checked below:

| <u>Work Categories</u>                         |  |   |
|--|--|---|
| <b>SURVEYING</b>                               |  | <b>VAC TRUCKS &amp; SWEEPING</b>                            |
| ✓ Surveying                                    |  | ✓ Sweeper/Pickup Brooms                                     |
| <b>TRAFFIC CONTROL &amp; TEMPORARY SIGNAGE</b> |  | Vac Trucks  |
| ✓ Traffic Control                              |  | Jetting & Cleaning Sewer                                    |
| ✓ Detours                                      |  | Televiser & Cleaning Sewer                                  |
| Alternative Pedestrian Routes                  |  | <b>ASPHALT PAVING</b>                                       |
| ADA Pedestrian Ramps, Temporary                |  | ✓ Asphalt Paving  |
| ✓ Temporary Traffic Control Signs/Barricades   |  | ✓ Supplies of Asphalt Materials                             |
| <b>SUPPLY OF MISC. CONSTRUCTION MATERIALS</b>  |  | <b>SAW &amp; SEAL PAVEMENTS, SEAL COAT, JOINT ADHESIVES</b> |
| ✓ Supplies of Misc Construction Materials      |  | ✓ Saw & Seal Concrete Pavement                              |
| <b>PERMANENT SIGNAGE</b>                       |  | <b>PAVEMENT MARKINGS</b>                                    |
| ✓ Roadway Signs                                |  | Epoxy- Pavement Markings                                    |
| Overhead Signs                                 |  | Paint- Pavement Markings                                    |
| <b>SAWCUTTING</b>                              |  | ✓ Pavement Marking Removals                                 |
| ✓ Sawcutting Bituminous Pavements              |  | ✓ Pavement Markings Airports                                |
| ✓ Sawcutting Concrete Pavements                |  | <b>EROSION CONTROL</b>                                      |
| Wall Sawing                                    |  | ✓ Erosion Control- Permanent                                |
| Structure Sawing                               |  | ✓ Erosion Control- Temporary                                |
| Core Drilling                                  |  | ✓ Hydroseeding Temp   |
| <b>EXCAVATION/SITEWORK</b>                     |  | ✓ Silt Fence  |
| Hydraulic Excavation                           |  | ✓ Bio-Logs  |
| ✓ Haul & Dispose Contaminated Soils            |  | ✓ Inlet Protections   |
| ✓ Haul & Dispose Impacted Soils                |  | ✓ Erosion Control Blankets/Fabrics                          |
| ✓ Site Prep                                    |  | ✓ Erosion Control Blankets/Fabrics Supplier                 |
| <b>TRUCKING</b>                                |  | <b>SEEDING &amp; SODDING</b>                                |
| ✓ Trucking of Aggregates/Soils                 |  | ✓ Seeding   |
| ✓ Trucking of Rubble                           |  | ✓ Sodding   |
| ✓ Supply of Granular & Aggregates              |  | ✓ Hydroseeding Permanent                                    |
| <b>MILLING &amp; RECLAIMING</b>                |  | Native Seeding  |
| ✓ Bituminous Milling                           |  | ✓ Seed Suppliers  |
| ✓ Bituminous Reclaiming                        |  | <b>FENCING</b>  |
| <b>STORM SEWER, SANITARY SEWER, WATERMAIN</b>  |  | ✓ Fencing   |
| ✓ Storm Sewer                                  |  | <b>PORT-A-POTTYS &amp; GROUND THAWING</b>                   |
| Sanitary Sewer                                 |  | ✓ Port-a-Pottys   |
| Watermain                                      |  | Ground Thawing  |
| ✓ Drainage Structures                          |  | <b>DEWATERING</b>   |
| ✓ Castings & Other Misc Structures             |  | ✓ Dewatering/Bypass pumping                                 |
| Precast Box culverts & end sections            |  | <b>ELECTRICAL</b>   |
| ✓ Precast Concrete Pipe & Structure Supplier   |  | ✓ Electrical Airport Related                                |
| ✓ Castings Supplier                            |  | ✓ Supplies of Electrical Materials                          |
| Sewer & Water Piping & Appurtenances Supplier  |  | <b>CONCRETE</b>   |
|  |  | ✓ Concrete - Paving   |
|  |  | ✓ Concrete - Supplies of Aggregates                         |

|  |  |
|--|--|
|  |  |
|--|--|

**DOCUMENT 00 11 11**  
**NOTICE OF CALL FOR BIDS**

**METROPOLITAN AIRPORTS COMMISSION (MAC)**

Project Location: Minneapolis-St. Paul International Airport  
Project Name: 2022 Taxiway P Reconstruction  
MAC Contract No. 106-1-320  
Bids Close At: 2:00pm on January 18, 2022  
Bids Opening At: 3:00pm on January 18, 2022 via teleconference  
Teleconference Dial-In No.: +6124056798  
Conference ID No.: 681090675#

**NOTICE TO CONTRACTORS**

Sealed bid proposals for the project listed above will be received by the MAC, a public corporation, at the office thereof located at 6040 28th Avenue South, Minneapolis, Minnesota 55450, until the date and hour indicated.

This project provides for the full reconstruction of a portion of Taxiway P (a concrete taxiway pavement segment approximately 1,800 feet in length by 75 feet in width) and related infrastructure. The project includes traffic control and airport security; pavement removals; concrete pavement construction; bituminous pavement construction; taxiway edge lighting and airfield signage systems; excavation and backfill; grading and drainage improvements; erosion control and turf establishment; and pavement marking.

Approximate quantities for major items of work are as follows:

|                                     |        |    |
|-------------------------------------|--------|----|
| Mobilization                        | 1      | LS |
| Airport Security                    | 1      | LS |
| Remove Bituminous Pavement          | 6,500  | SY |
| Remove Concrete Pavement            | 22,000 | SY |
| Common Excavation                   | 15,000 | CY |
| Subgrade Excavation                 | 25,000 | CY |
| Granular Material                   | 25,000 | CY |
| 12" Crushed Aggregate Base          | 23,000 | SY |
| 8" Recycled Concrete Aggregate Base | 4,800  | SY |
| Bituminous Surface Course           | 600    | TN |
| Bituminous Base Course              | 600    | TN |
| 18" Concrete Pavement               | 22,000 | SY |
| Erosion Control                     | 1      | LS |
| Sodding                             | 1,750  | SY |
| Temporary Pavement Marking          | 1      | LS |
| Final Pavement Marking              | 1      | LS |
| Trenching in Turf                   | 3,000  | LF |
| Elevated Taxiway Edge Lights        | 90     | EA |
| 2" Conduit                          | 2,500  | LF |
| Electrical Cable                    | 11,500 | LF |

Bids shall be submitted on Document 00 41 11 - Bid Form. No other Bid Form is acceptable.

Consistent with Minnesota Statute, Section 473.144, MAC may not accept a bid or proposal for a contract or execute a contract in excess of \$100,000 with any business unless said business is in compliance with certain requirements concerning affirmative action plans. Evidence of compliance must be submitted within (1) one MAC business day following opening of bids. Bids will be considered non-responsive if the compliance requirements are not met. Compliance requirements are outlined in the project specification.

**Note:** You can sign up on our Web site ([www.metroairports.org](http://www.metroairports.org)) to receive email notifications of new business opportunities, or go directly to [https://public.govdelivery.com/accounts/MNORGMAC/subscriber/topics?gsp-CODE\\_RED](https://public.govdelivery.com/accounts/MNORGMAC/subscriber/topics?gsp-CODE_RED) and choose this and other topics about which you are interested.

**NONDISCRIMINATION IN EMPLOYMENT**

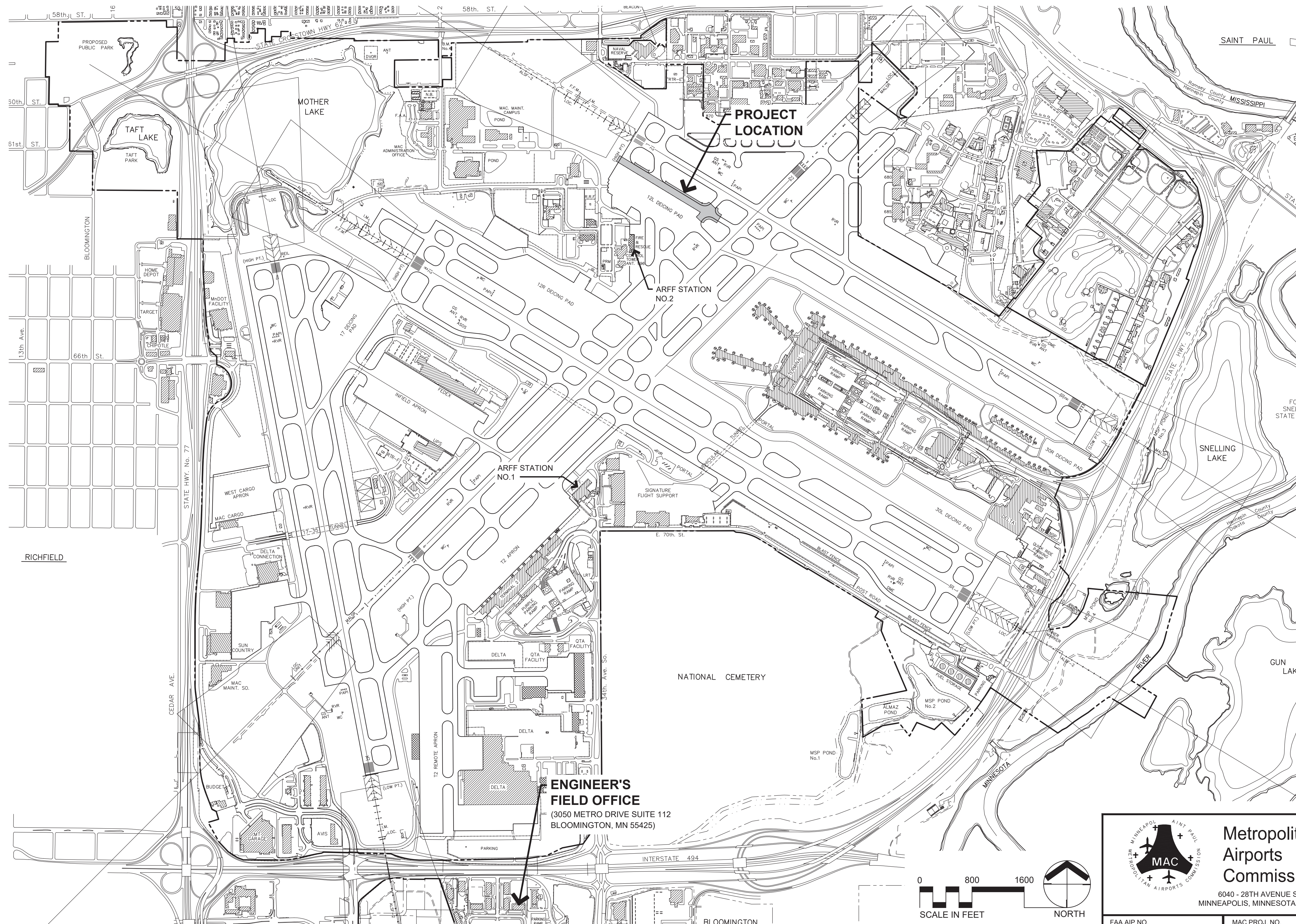
Refer to Contract and Labor Provisions in the specifications for requirements.





# 2022 TAXIWAY P RECONSTRUCTION

## MINNEAPOLIS - ST. PAUL INTERNATIONAL AIRPORT

(WOLD - CHAMBERLAIN FIELD)

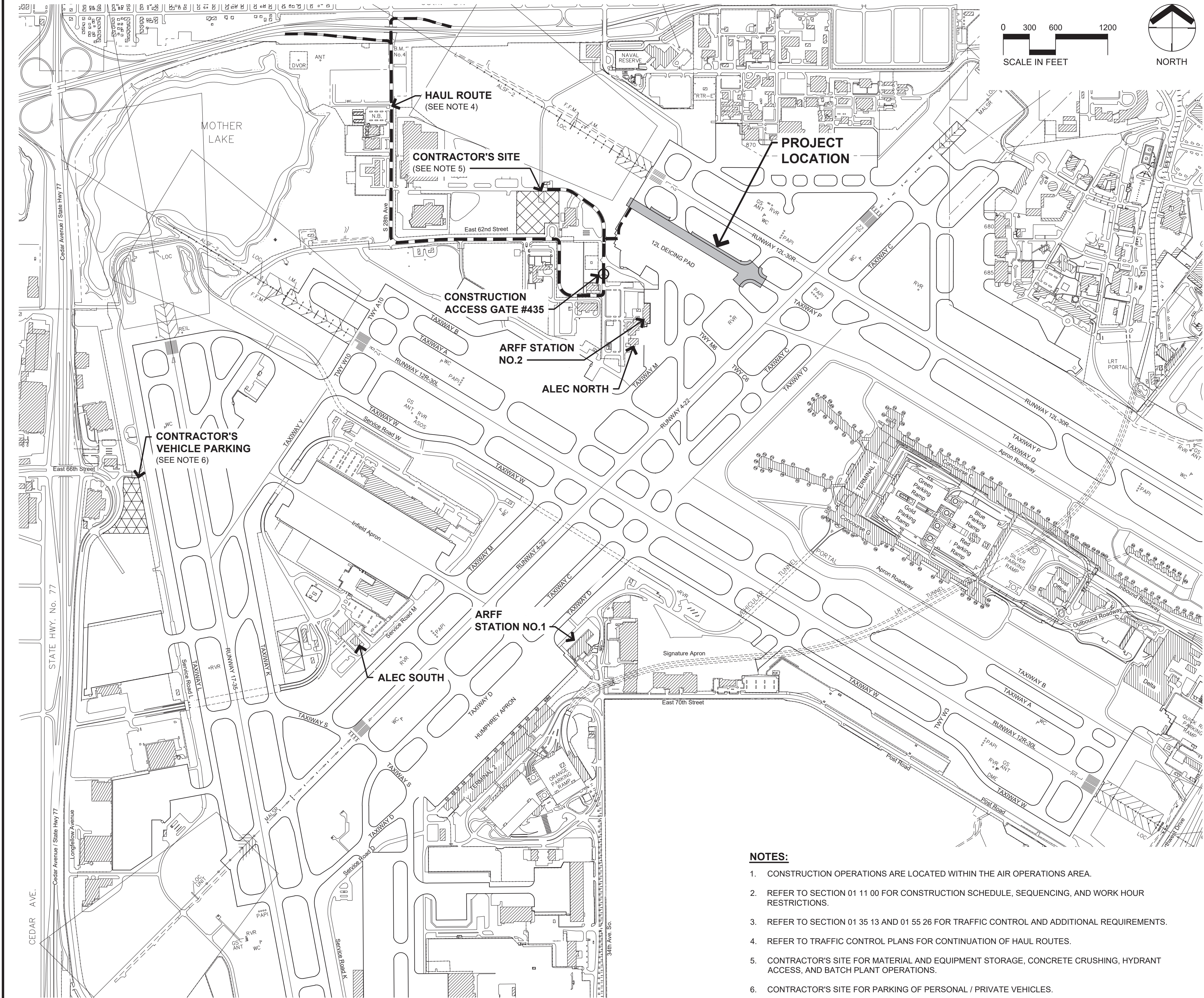


| LIST OF DRAWINGS |                                     |
|------------------|-------------------------------------|
| No.              | TITLE                               |
| c0.01            | TITLE SHEET                         |
| c0.02            | LOCATION PLAN & LEGEND              |
| c0.03            | QUANTITIES                          |
| c0.04            | GEOMETRIC PLAN & PROJECT CONTROL    |
| c0.05            | TYPICAL SECTIONS                    |
| c0.06            | CIVIL DETAILS                       |
| c0.51            | PHASING PLAN                        |
| c0.52            | TRAFFIC CONTROL PLAN - PHASE 1      |
| c0.53            | TRAFFIC CONTROL PLAN - PHASE 2      |
| c0.54            | TRAFFIC CONTROL PLAN - SUBPHASES    |
| c1.01            | SWPPP NOTES                         |
| c1.02            | EROSION CONTROL DETAILS             |
| c1.03            | EROSION CONTROL PLAN - PHASE 1      |
| c1.04            | EROSION CONTROL PLAN - PHASE 2      |
| c1.05            | RESTORATION PLAN - PHASE 1          |
| c1.06            | RESTORATION PLAN - PHASE 2          |
| c2.01            | EXISTING CONDITIONS                 |
| c2.11            | REMOVALS PLAN - PHASE 1             |
| c2.12            | REMOVALS PLAN - PHASE 2             |
| c4.01            | GRADING PLAN - PHASE 1              |
| c4.02            | GRADING PLAN - PHASE 2              |
| c5.01            | JOINT DETAILS                       |
| c5.02            | JOINT DETAILS                       |
| c5.03            | JOINTING PLAN - PHASE 1             |
| c5.04            | JOINTING PLAN - PHASE 2             |
| c6.01            | PAVEMENT MARKING DETAILS & NOTES    |
| c6.02            | PAVEMENT MARKING DETAILS            |
| c6.03            | PAVEMENT MARKING DETAILS            |
| c6.04            | PREPARATORY MARKING PLAN - PHASE 1  |
| c6.05            | PREPARATORY MARKING PLAN - PHASE 2  |
| c6.06            | FINAL MARKING OBLITERATION PLAN     |
| c6.07            | FINAL MARKING PLAN                  |
| c9.01            | CROSS SECTIONS                      |
| c9.02            | CROSS SECTIONS                      |
| c9.03            | CROSS SECTIONS                      |
| c9.04            | CROSS SECTIONS                      |
| c9.05            | CROSS SECTIONS                      |
| c9.06            | CROSS SECTIONS                      |
| c9.07            | CROSS SECTIONS                      |
| c9.08            | CROSS SECTIONS                      |
| e0.01            | ELECTRICAL NOTES                    |
| e1.01            | ELECTRICAL DETAILS                  |
| e1.02            | LIGHT DETAILS                       |
| e1.03            | LIGHT TABULATION                    |
| e1.04            | AIRFIELD SIGNS                      |
| e1.05            | AIRFIELD SIGN PANELS                |
| e2.01            | TEMPORARY ELECTRICAL PLAN - PHASE 1 |
| e2.02            | TEMPORARY ELECTRICAL PLAN - PHASE 2 |
| e3.01            | ELECTRICAL PLAN - PHASE 1           |
| e3.02            | ELECTRICAL PLAN - PHASE 2           |

|   |   |                                 |     |
|---|---|---------------------------------|-----|
|  <div> <h1>Metropolitan<br/>Airports<br/>Commission</h1> <p>6040 - 28TH AVENUE SOUTH<br/>MINNEAPOLIS, MINNESOTA 55450</p> </div> | <div> <div>  <p><b>TKDA</b></p> </div> <div> <p>Engineering<br/>Architecture<br/>Planning</p> <p>444 Cedar Street, Suite 1500 - Saint Paul, MN 55101<br/>651.292.4400<br/>tkda.com</p> </div> </div> | ISSUED FOR:<br><h2>BIDDING</h2> |     |
|   | <div> <div> <div>FAA AIP NO.</div> <div>MAC PROJ. NO.</div> </div> <div>106-1-320</div> </div>  | DATE:<br><h2>12/20/2021</h2>    |     |
|   |   | PROJ. NO.<br><h2>18219</h2>     | MSP |
|   |   | DRAWING NO.<br><h2>c0.01</h2>   |     |



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**NOTES:**

- CONSTRUCTION OPERATIONS ARE LOCATED WITHIN THE AIR OPERATIONS AREA.
- REFER TO SECTION 01 11 00 FOR CONSTRUCTION SCHEDULE, SEQUENCING, AND WORK HOUR RESTRICTIONS.
- REFER TO SECTION 01 35 13 AND 01 55 26 FOR TRAFFIC CONTROL AND ADDITIONAL REQUIREMENTS.
- REFER TO TRAFFIC CONTROL PLANS FOR CONTINUATION OF HAUL ROUTES.
- CONTRACTOR'S SITE FOR MATERIAL AND EQUIPMENT STORAGE, CONCRETE CRUSHING, HYDRANT ACCESS, AND BATCH PLANT OPERATIONS.
- CONTRACTOR'S SITE FOR PARKING OF PERSONAL / PRIVATE VEHICLES.

**LEGEND:**

|   |  |  |
|---|--|--|
| CONTROL POINT                                     |  |  |
| SOIL BORING                                       |  |  |
| WATERMAIN   |  |  |
| HYDRANT   |  |  |
| GATE VALVE  |  |  |
| SANITARY SEWER                                    |  |  |
| STORM SEWER                                       |  |  |
| SUBDRAIN  |  |  |
| MANHOLE   |  |  |
| CATCH BASIN                                       |  |  |
| FENCE   |  |  |
| TELEPHONE CABLE                                   |  |  |
| NATURAL GAS                                       |  |  |
| RUNWAY SAFETY AREA                                |  |  |
| TAXIWAY OBJECT FREE AREA                          |  |  |
| TAXIWAY SAFETY AREA                               |  |  |
| DIRECT BURIAL CABLE                               |  |  |
| COUNTERPOISE CONDUCTOR                            |  |  |
| GROUND ROD  |  |  |
| 2" CONDUIT EMPTY                                  |  |  |
| CONDUIT WITH: (4) #6 5KV (1) #6 GROUND            |  |  |
| ELECTRICAL DUCT BANK                              |  |  |
| ELECTRICAL MANHOLE                                |  |  |
| ELECTRICAL HANDHOLE                               |  |  |
| RUNWAY EDGE LIGHT                                 |  |  |
| TAXIWAY EDGE LIGHT                                |  |  |
| BASE FOR FUT. EDGE LIGHT                          |  |  |
| TAXIWAY IN-PAVEMENT L-852A BI GRN GRN STRAIGHT    |  |  |
| TAXIWAY IN-PAVEMENT L-852A UNI YEL CLEARANCE BAR  |  |  |
| TAXIWAY IN-PAVEMENT L-852B BI GRN GRN CURVE >400' |  |  |
| TAXIWAY IN-PAVEMENT L-852J BI GRN GRN CURVE <399' |  |  |
| IN-PAVEMENT REFLECTORS                            |  |  |
| TRAFFIC CONE                                      |  |  |
| GUIDANCE SIGN                                     |  |  |
| LIGHT POLE  |  |  |
| POWER POLE  |  |  |
| REGULATORY SIGN                                   |  |  |
| TREE (DECIDUOUS)                                  |  |  |
| TREE (EVERGREEN)                                  |  |  |

NOTE: 1. RUNWAY EDGE LIGHTS LETTER DENOTES LENS OR FILTER FOR EACH HALF:

W=WHITE Y=YELLOW R=RED  
G=GREEN O=OBSCURE

2. NUMBER OF HATCH MARKS INDICATES NUMBER OF #8 WIRE.

| NO. | DATE | BY | DESCRIPTION OF REVISIONS |
|-----|------|----|--------------------------|
|     |      |    |                          |
|     |      |    |                          |
|     |      |    |                          |

|          |     |
|----------|-----|
| DESIGNED | MDZ |
| DRAWN    | CMC |
| CHECKED  | MDZ |

I HEREBY CERTIFY THAT THIS PLAN 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

*Matthew D. Zitow* DEC. 20, 2021  
MATTHEW D. ZITOW LIC. NO. 46847



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Metropolitan  
Airports  
Commission

GENERAL OFFICES  
6040 • 28TH AVENUE SOUTH  
MINNEAPOLIS, MINNESOTA 55450

**LOCATION PLAN & LEGEND**

**2022 TAXIWAY P RECONSTRUCTION**

|                      |     |
|----------------------|-----|
| PROJ. NO.<br>18219   | MSP |
| DRAWING NO.<br>c0.02 |     |



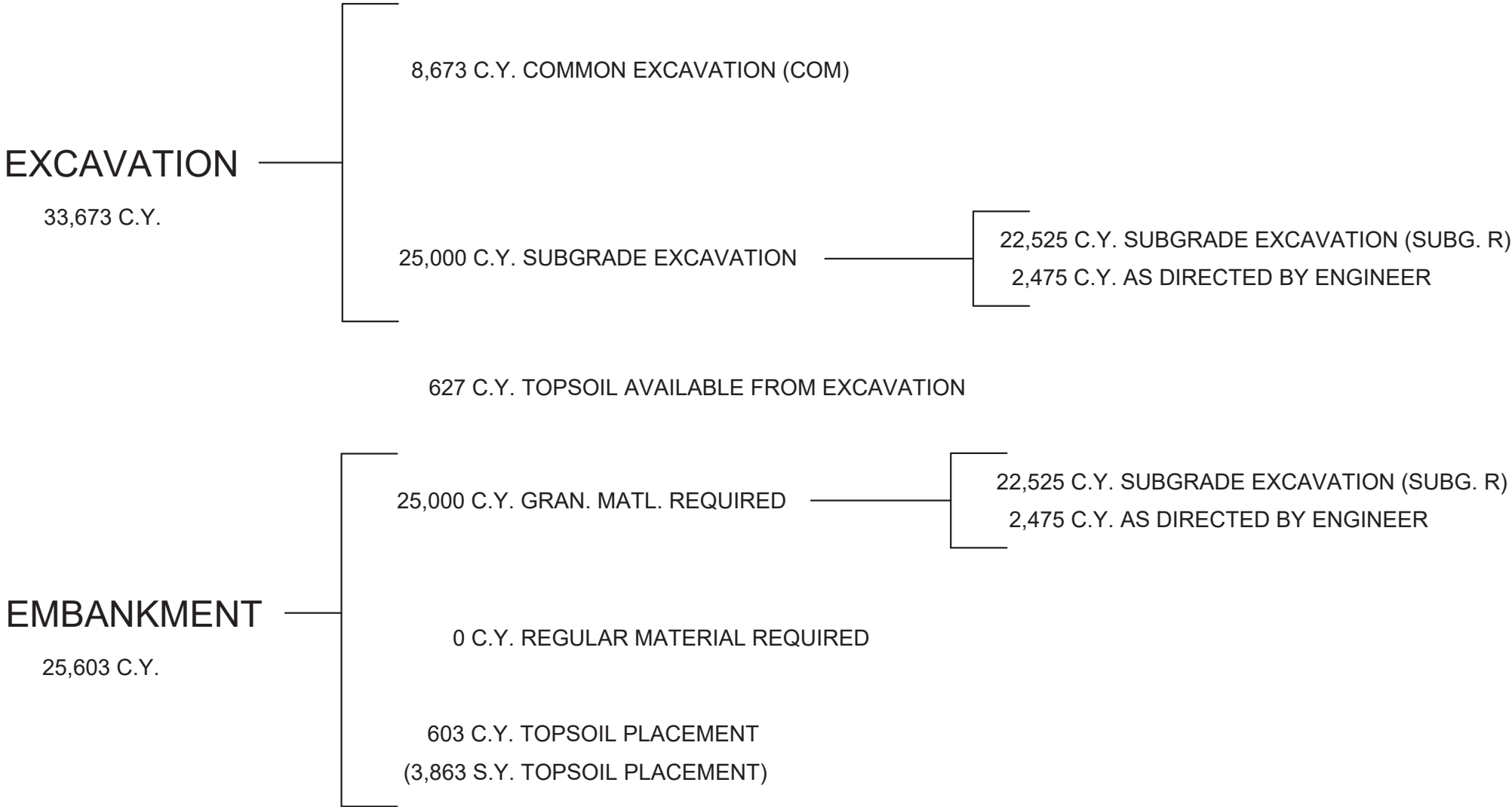
CURRENT: Dec 21, 2021 - 10:02am  
DIR: K:\MAC\18219\04\_Production\01\_CAD\02\_Sheets\c0.03 QUANTITIES.dwg

| QUANTITIES   |               |  |             |           |       |
|--|---------------|--|-------------|-----------|-------|
| NOTE   | ITEM NO.      | DESCRIPTION                                      | UNIT        | ESTIMATED | FINAL |
| (1)  | 01 21 00-1    | MAC ELECTRICAL PERMIT FEE ALLOWANCE              | UNITS       | 1,000     |       |
|  | 01 35 13-1    | AIRPORT SECURITY                                 | LUMP SUM    | 1         |       |
|  | 01 35 13-2    | HAUL ROUTES                                      | LUMP SUM    | 1         |       |
|  | 01 55 26-1    | TRAFFIC CONTROL                                  | LUMP SUM    | 1         |       |
|  | 01 71 13-1    | MOBILIZATION                                     | LUMP SUM    | 1         |       |
|  | 01 71 13-2    | DEMOBILIZATION                                   | LUMP SUM    | 1         |       |
|  | 02 41 13-1    | REMOVE ASPHALT PAVEMENT                          | SQUARE YARD | 6,108     |       |
|  | 02 41 13-2    | REMOVE CONCRETE PAVEMENT                         | SQUARE YARD | 21,093    |       |
| (1) (2)  | 02 41 13-3    | MISCELLANEOUS REMOVALS                           | UNITS       | 4,000     |       |
|  | 31 23 00-1    | COMMON EXCAVATION                                | CUBIC YARD  | 8,673     |       |
| (3)  | 31 23 00-2    | SUBGRADE EXCAVATION                              | CUBIC YARD  | 25,000    |       |
| (3)  | 31 23 00-4    | GRANULAR MATERIAL (CV)                           | CUBIC YARD  | 25,000    |       |
| (4)  | 31 23 00-7    | WATER  | M. GALLON   | 500       |       |
|  | 31 23 00-9    | IMPACTED SOIL DISPOSAL                           | CUBIC YARD  | 5,000     |       |
|  | 31 23 00-10   | CONTAMINATED SOIL DISPOSAL                       | CUBIC YARD  | 5,000     |       |
| (1)  | 31 23 00-11   | DISPOSAL FACILITY CHARGES                        | UNITS       | 2,500     |       |
|  | 31 23 00-12   | TOPSOIL PLACEMENT                                | SQUARE YARD | 3,863     |       |
|  | 31 25 00-2    | STORM DRAIN INLET PROTECTION                     | EACH        | 28        |       |
|  | 31 25 00-5    | SEDIMENT LOG                                     | LINEAR FOOT | 240       |       |
|  | 32 11 24-1    | 12" CRUSHED AGGREGATE BASE                       | SQUARE YARD | 22,231    |       |
|  | 32 11 25-1    | 8" RECYCLED CONCRETE AGGREGATE BASE              | SQUARE YARD | 5,485     |       |
|  | 32 12 16.14-1 | ASPHALT MIXTURE SURFACE COURSE                   | TON         | 650       |       |
|  | 32 12 16.14-2 | ASPHALT MIXTURE BASE COURSE                      | TON         | 650       |       |
|  | 32 12 16.14-3 | TACK COAT  | GALLON      | 300       |       |
|  | 32 13 00-1    | 18" CONCRETE PAVEMENT, TYPE A                    | SQUARE YARD | 21,777    |       |
|  | 32 13 00-4    | PAVEMENT STRENGTH/THICKNESS INCENTIVE            | UNITS       | 17,000    |       |
|  | 32 13 00-5    | PAVEMENT SMOOTHNESS INCENTIVE                    | UNITS       | 2,200     |       |
|  | 32 17 23-1    | FINAL PAVEMENT MARKING                           | LUMP SUM    | 1         |       |
|  | 32 17 23-2    | OBLITERATE PAVEMENT MARKINGS                     | LUMP SUM    | 1         |       |
| (2)  | 32 17 23-3    | PAVEMENT MARKING                                 | SQUARE FOOT | 5,000     |       |
| (2)  | 32 17 23-4    | OBLITERATE PAVEMENT MARKINGS                     | SQUARE FOOT | 5,000     |       |
|  | 32 17 23-6    | TEMPORARY PAVEMENT MARKING                       | LUMP SUM    | 1         |       |
|  | 32 92 00-1    | SEEDING, CLASS 1                                 | ACRE        | 1         |       |
|  | 32 92 00-2    | SODDING  | SQUARE YARD | 1,600     |       |
|  | 32 92 00-3    | WATER  | M. GALLON   | 100       |       |
|  | 33 41 00-1    | STORM MANHOLE RECONSTRUCTION                     | LUMP SUM    | 1         |       |
|  | 34 43 05-1    | AIRFIELD SIGN COVERING                           | EACH        | 19        |       |
|  | 34 43 05-2    | TEMPORARY WIRING                                 | LUMP SUM    | 1         |       |
|  | 34 43 05-3    | REMOVE TEMPORARY WIRING                          | LUMP SUM    | 1         |       |
|  | 34 43 05-4    | DISABLE TAXIWAY LIGHT FIXTURE                    | EACH        | 35        |       |
|  | 34 43 11-1    | 2" PVC CONDUIT                                   | LINEAR FOOT | 1,800     |       |
|  | 34 43 20-1    | #8 5KV CABLE                                     | LINEAR FOOT | 4,600     |       |
|  | 34 43 20-2    | #6 600V CABLE                                    | LINEAR FOOT | 2,900     |       |
|  | 34 43 20-3    | #6 BARE COUNTERPOISE                             | LINEAR FOOT | 1,700     |       |
|  | 34 43 20-4    | INSTALL CABLE IN DUCT OR CONDUIT                 | LINEAR FOOT | 2,900     |       |
|  | 34 43 25-1    | TRENCHING IN TURF                                | LINEAR FOOT | 3,400     |       |
|  | 34 43 31-1    | ELEVATED LED TAXIWAY EDGE LIGHT                  | EACH        | 23        |       |
|  | 34 43 31-2    | ELEVATED INCANDESCENT TAXIWAY EDGE LIGHT         | EACH        | 4         |       |
|  | 34 43 31-3    | ELEVATED LED TAXIWAY EDGE LIGHT ON EXISTING BASE | EACH        | 46        |       |
|  | 34 43 32-1    | SIGN PAD - 2 MODULE                              | EACH        | 2         |       |
|  | 34 43 32-2    | SIGN PAD - 3 MODULE                              | EACH        | 4         |       |
|  | 34 43 32-3    | INSTALL SALVAGED AIRFIELD SIGN                   | EACH        | 6         |       |
|  | 34 43 70-1    | REMOVE & SALVAGE TAXIWAY EDGE LIGHT              | EACH        | 25        |       |
|  | 34 43 70-2    | REMOVE & SALVAGE AIRFIELD SIGN                   | EACH        | 6         |       |
|  | 34 43 70-3    | REMOVE 12 CELL DUCT BANK                         | LINEAR FOOT | 90        |       |
| <b>NOTES:</b><br><br>(1) ALLOWANCE PROVIDED IN ACCORDANCE WITH THE SPECIFICATIONS.<br>(2) AS DIRECTED BY THE ENGINEER.<br>(3) INCLUDES REGULAR SUBGRADE EXCAVATION PLUS AN ALLOWANCE FOR ADDITIONAL SUBGRADE EXCAVATION AS DIRECTED BY ENGINEER.<br>(4) INCLUDES 12 GALLONS/CUBIC YARD FOR GRANULAR MATERIAL, 6 GALLONS/SQUARE YARD FOR CRUSHED AGGREGATE BASE CONSTRUCTION. |               |  |             |           |       |

| PAVEMENT MARKING & OBLITERATION QUANTITY APPROXIMATION (SF) |                                    |       |                                |        |       |        |
|---|------------------------------------|-------|--------------------------------|--------|-------|--------|
| PHASE   | MARKING OBLITERATION APPROXIMATION |       | PAVEMENT MARKING APPROXIMATION |        |       |        |
|   | TOTAL                              | WHITE | BLACK                          | YELLOW | RED   | TOTAL  |
| PHASE 1   | 21,500                             | 0     | 100                            | 300    | 0     | 400    |
| PHASE 2   | 19,000                             | 500   | 4,500                          | 11,500 | 750   | 17,250 |
| FINAL   | 11,500                             | 9,000 | 29,000                         | 22,500 | 3,250 | 63,750 |

EARTHWORK SUMMARY - TAXIWAY P

ALL VOLUMES ARE CROSS SECTION MEASURE



|     |      |    |                          |
|-----|------|----|--------------------------|
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|     |      |    |                          |
| NO. | DATE | BY | DESCRIPTION OF REVISIONS |

|          |     |
|----------|-----|
| DESIGNED | MDZ |
| DRAWN    | CMC |
| CHECKED  | MDZ |

|  |                |
|--|----------------|
| I HEREBY CERTIFY THAT THIS PLAN 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 |                |
| <i>Matthew D. Zitzow</i>   | DEC. 20, 2021  |
| MATTHEW D. ZITZOW  | LIC. NO. 46847 |



Engineering  
Architecture  
Planning  
444 Cedar Street, Suite 1500 : Saint Paul, MN 55101  
651.292.4400  
tkda.com



Metropolitan  
Airports  
Commission  
GENERAL OFFICES  
6040 - 28TH AVENUE SOUTH  
MINNEAPOLIS, MINNESOTA 55450

| QUANTITIES                    |  |
|-------------------------------|--|
| 2022 TAXIWAY P RECONSTRUCTION |  |

|             |       |     |
|-------------|-------|-----|
| PROJ. NO.   | 18219 | MSP |
| DRAWING NO. | c0.03 |     |

**DOCUMENT 00 41 11**  
**BID FORM - FEDERAL**

**METROPOLITAN AIRPORTS COMMISSION**

Project Location: Minneapolis-St. Paul International Airport  
Project Name: 2022 Taxiway P Reconstruction  
MAC Contract No: 106-1-320  
Bids Close at: 2:00pm on January 18, 2022

**BID FORM**  
**FOR PUBLIC AIRPORT CONSTRUCTION**

To: Metropolitan Airports Commission  
6040 - 28th Avenue South  
Minneapolis, Minnesota 55450

Proposal of

NAME

ADDRESS

CONTACT PERSON

PHONE

Pursuant to the Notice of Call for Bids, for work at the Minneapolis-St. Paul International Airport, to furnish all necessary machinery, equipment, tools, labor and other means of construction and deliver materials and to do and perform all work at rates and at a total price or prices as hereinafter set forth and in accordance with drawings and specifications, and addenda thereto on file in the office of the aforesaid MAC and the office of

TKDA  
Engineers, Architects and Planners  
444 Cedar Street, Suite 1500  
Saint Paul, Minnesota 55101

for the construction of 2022 Taxiway P Reconstruction at Minneapolis-St. Paul International Airport located in Hennepin County, Minnesota.

- A. In submitting this Bid Form, the undersigned Bidder understands and agrees that the Information For Bidders control and, without limiting the foregoing, that this Bid Form is based upon the following undertakings:
1. That Bidder has inspected the site of the work, existing construction in the areas of the proposed work, and has informed himself as to the condition thereof as the same bears on the work to be performed.
  2. That Bidder has received and examined the Contract Documents, and has informed himself of all addenda thereto, and of the forms of Construction Contract and Payment and Performance Bonds to be furnished in the event it is the successful Bidder and is awarded the contract.
  3. That Bid Form will be opened at the aforesaid office of the MAC at 2:00pm on the 18th day of January, 2022, and only Bid Forms received no later than the time indicated will be considered.
  4. Certain types of equipment and kinds of material are described in the specifications by means of trade names and catalog numbers and/or manufacturer's names. In each instance where this occurs, it is not intended to exclude from consideration such types of equipment and kinds of material bearing other trade names, catalog numbers and/or manufacturer's names, capable of accomplishing the purpose of the types of equipment or kinds of material specifically indicated.
    - a. Such types of equipment and kinds of material to be used, if not as specifically indicated in the specifications, must be approved in writing by the Design Consultant and agreed

- upon by the MAC. No substitution will be allowed after the award of the contract except in unusual circumstances such as supplier's strikes, etc.
5. The MAC shall award a Contract to the lowest responsible Bidder, provided said low Bidder has made a good faith effort to meet the DBE contract goal. The MAC however, reserves the right to reject any or all bids and to waive any minor irregularities, informalities or discrepancies.
  6. This Bid Form and the Bid Security submitted herewith may not, except with consent of the heresaid MAC, be withdrawn for a period of seventy (70) days after the day set for the opening of bids.
  7. Within one (1) MAC business day following the opening of the bids, all bidders or proposers who wish to remain in competition for the contract (including DBE bidders) will be required to submit the following information:
    - a. Names and addresses of DBE subcontractors;
    - b. A description of the work each DBE subcontractor is to perform;
    - c. The dollar value of each proposed DBE subcontract;
    - d. If the bidder qualifies as a DBE, a description of the work the bidder has committed to performing with its own forces;
    - e. Written documentation of the bidder's commitment to use a DBE subcontractor whose participation it submits to meet the contract goal;
    - f. Written confirmation from the DBE subcontractor that it is participating in the contract as provided in the bidder's commitment; and
    - g. If bidder does not propose to meet contract goal, evidence of good faith efforts to do so.
- B. The undersigned Bidder agrees, if the successful Bidder, to execute the Contract in form as set forth in the Contract Documents and to furnish the required Payment and Performance Bonds in form as set forth in the Contract Documents. The Design Consultant or the MAC will notify the Bidder to begin execution of the Contract and preparation of bonds and insurance requirements.
- C. The undersigned Bidder further agrees to begin work on receipt of executed contract and to prosecute said work so as to complete the same as specified in the Summary of Work Section 01 11 00. Failure to conform to the Project Schedule may determine that the Contractor is non-responsive and may not be awarded future Metropolitan Airports Commission contracts.
- D. The undersigned Bidder further agrees to guarantee performance of all work in accordance with the Contract Documents and in a good and workmanlike manner, and to renew or repair any work which may be rejected due to defective materials or workmanship prior to final completion and acceptance of the material and installation by the MAC.
- E. Prior to award of Contract, undersigned Bidder further agrees to submit to the MAC the following:
  1. If requested, such catalogs, photographs, drawings, specifications, descriptive information and other details as to special equipment or materials Bidder proposes to furnish for the work, to permit a valuation of the merits thereof and determination whether such special equipment or materials comply with the specifications.
  2. A properly executed affidavit of non-collusion.
  3. A statement of Bidder's qualifications.
  4. A statement setting forth all items of work, which the Bidder proposes to subcontract, and names of the subcontractors.
- F. The undersigned Bidder agrees to be bound by the provisions of Minnesota Statute, Section 181.59, and Title VI of the Civil Rights Act of 1964, 78 Stat, 252, 42 U.S.C. 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act.
- G. Following is a tabulation of the undersigned bidder's bid for all work to be performed, to carry out the aforementioned construction project including, where required, alternate bids: it being understood that this bid contemplates all machinery, equipment, tools, labor, and other means of construction and all materials and times specified in accordance with the drawings and specifications and all addenda thereto.
  1. Quantities of work shown hereafter are approximate only, are subject to increase or decrease, and where increased or decreased within the limits specified in the specifications will be



- performed at the unit prices quoted hereafter.
2. At the opening of the Bids, totals only will be read, but the comparison of bids by the MAC will be based on the correct summation of item totals obtained from the extension of unit bid prices as provided by the Contract Documents. Where there is a discrepancy between the extension and a unit bid price, the unit bid price shall govern.
  3. The undersigned Bidder proposes to do all unclassified work required to complete the contemplated improvement, at unit price or lump sum payment to be agreed upon in writing prior to starting such work or on a force account basis as provided by the specifications.
- H. Previous Government Contracts. Section 60-1.6(b), Regulations of the Secretary of Labor, and Section 151.54, Federal Aviation Regulations, require each bidder or prospective contractor to state in the bid, or at the outset of contract negotiations, whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and, if so, whether it has filed with Joint Reporting Committee, Director, OFCC, the FAA, or the former President's Committee on Equal Employment Opportunity all compliance reports due under applicable instructions. In any case in which a bidder or prospective contractor or proposed subcontractor which has participated in a previous contract or subcontract subject to the equal opportunity clause has not filed a compliance report due under applicable instructions, such bidder, prospective contractor or proposed subcontractor shall be required to submit a compliance report with its bid or in any event prior to the award of the proposed contract or subcontract. For all purposes herein, a compliance report required of contractors or subcontractors means Standard Form 100, Employer Information Report EEO-1.
1. Bidder (Proposer) shall complete the following statement by checking the appropriate wording.
    - a. The Bidder (Proposer) has \_\_\_\_ has not \_\_\_\_ participated in a previous contract subject to the equal opportunity clause prescribed by Executive Order 10925, or Executive Order 11114, or Executive Order 11246, as amended.
    - b. The Bidder (Proposer) has \_\_\_\_ has not \_\_\_\_ submitted all compliance reports in connection with any such contract due under the applicable filing requirements; and that representations indicating submission of required compliance reports signed by proposed subcontractors will be obtained prior to award of subcontracts.
  2. If the Bidder (Proposer) has participated in a previous contract subject to the equal opportunity clause and has not submitted compliance reports due under applicable filing requirements, the Bidder (Proposer) shall submit a compliance report on Standard Form 100, "Employee Information Report EEO-1" prior to the award of contract.
  3. When a determination has been made to award the contract to a specific contractor, such contractor may be required, prior to award, or after the award or both, to furnish such other pertinent information regarding its own employment practice and policies as well as of its proposed subcontractors as the FAA, the Sponsor, or the Director of OFCC may require. (41 CFR Chapter 60; FAR 152.61 (c).)
- I. The undersigned Bidder understands that pursuant to Minnesota law, the Metropolitan Airports Commission is not a tax exempt agency, therefore, the Bidder shall be responsible for the payment of all applicable sales and use taxes pertaining to the completion of this project, including Minnesota State sales tax.
- J. The undersigned Bidder understands that by signing this Bid Form it is being submitted by an owner or duly authorized officer of the company, and swears under oath that the company/business meets the Minimum Criteria to be a responsible contractor as defined in Document 00 83 11- Federal Contract and Labor Provisions.

#### BASE BID

For the completion of **2022 Taxiway P Reconstruction** as set forth in the specifications, related documents, and addendums and as indicated on the Drawings, for the sum listed hereinafter.

The bidder must complete the following Schedule of Prices. Bidder must fill in unit prices in numerals, make extensions for each item and total.



**SCHEDULE OF PRICES**

Bidder must fill in unit prices in numerals; make extension for each item and total. For complete information concerning these items, see Drawings and Specifications, including Special Conditions.

| SPEC. OR<br>ITEM NO. | ITEM DESCRIPTION<br>AND UNIT OF MEASURE      | APPROX.<br>QUAN. | UNIT PRICE<br>DOLLARS CENTS | AMOUNT<br>DOLLARS CENTS |
|----------------------|--|------------------|-----------------------------|-------------------------|
| 01 21 00-1           | MAC ELECTRICAL PERMIT FEE ALLOWANCE<br>UNITS | 1,000            | \$ 10.00                    | \$ 10,000.00            |
| 01 35 13-1           | AIRPORT SECURITY<br>LUMP SUM                 | 1                | +++++++                     |                         |
| 01 35 13-2           | HAUL ROUTES<br>LUMP SUM                      | 1                | +++++++                     |                         |
| 01 55 26-1           | TRAFFIC CONTROL<br>LUMP SUM                  | 1                | +++++++                     |                         |
| 01 71 13-1           | MOBILIZATION<br>LUMP SUM                     | 1                | +++++++                     |                         |
| 01 71 13-2           | DEMOBILIZATION<br>LUMP SUM                   | 1                | +++++++                     | \$ 5,000.00             |
| 02 41 13-1           | REMOVE ASPHALT PAVEMENT<br>SQUARE YARD       | 6,108            |                             |                         |
| 02 41 13-2           | REMOVE CONCRETE PAVEMENT<br>SQUARE YARD      | 21,093           |                             |                         |
| 02 41 13-3           | MISCELLANEOUS REMOVALS<br>UNITS              | 4,000            | \$ 10.00                    | \$ 40,000.00            |
| 31 23 00-1           | COMMON EXCAVATION<br>CUBIC YARD              | 8,673            |                             |                         |
| 31 23 00-2           | SUBGRADE EXCAVATION<br>CUBIC YARD            | 25,000           |                             |                         |
| 31 23 00-4           | GRANULAR MATERIAL (CV)<br>CUBIC YARD         | 25,000           |                             |                         |
| 31 23 00-7           | WATER<br>M. GALLON                           | 500              |                             |                         |
| 31 23 00-9           | IMPACTED SOIL DISPOSAL<br>CUBIC YARD         | 5,000            |                             |                         |



MAC  
MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT  
2022 TAXIWAY P RECONSTRUCTION

ISSUE DATE: December 20, 2021

| SPEC. OR<br>ITEM NO. | ITEM DESCRIPTION<br>AND UNIT OF MEASURE            | APPROX.<br>QUAN. | UNIT PRICE<br>DOLLARS CENTS | AMOUNT<br>DOLLARS CENTS |
|----------------------|--|------------------|-----------------------------|-------------------------|
| 31 23 00-10          | CONTAMINATED SOIL DISPOSAL<br>CUBIC YARD           | 5,000            |                             |                         |
| 31 23 00-11          | DISPOSAL FACILITY CHARGES<br>UNITS                 | 2,500            | \$ 10.00                    | \$ 25,000.00            |
| 31 23 00-12          | TOPSOIL PLACEMENT<br>SQUARE YARD                   | 3,863            |                             |                         |
| 31 25 00-2           | STORM DRAIN INLET PROTECTION<br>EACH               | 28               |                             |                         |
| 31 25 00-5           | SEDIMENT LOG<br>LINEAR FOOT                        | 240              |                             |                         |
| 32 11 24-1           | 12" CRUSHED AGGREGATE BASE<br>SQUARE YARD          | 22,231           |                             |                         |
| 32 11 25-1           | 8" RECYCLED CONCRETE AGGREGATE BASE<br>SQUARE YARD | 5,485            |                             |                         |
| 32 12 16.14-1        | ASPHALT MIXTURE SURFACE COURSE<br>TON              | 650              |                             |                         |
| 32 12 16.14-2        | ASPHALT MIXTURE BASE COURSE<br>TON                 | 650              |                             |                         |
| 32 12 16.14-3        | TACK COAT<br>GALLON                                | 300              |                             |                         |
| 32 13 00-1           | 18" CONCRETE PAVEMENT, TYPE A<br>SQUARE YARD       | 21,777           |                             |                         |
| 32 13 00-4           | PAVEMENT STRENGTH/THICKNESS INCENTIVE<br>UNITS     | 17,000           | \$ 10.00                    | \$ 170,000.00           |
| 32 13 00-5           | PAVEMENT SMOOTHNESS INCENTIVE<br>UNITS             | 2,200            | \$ 10.00                    | \$ 22,000.00            |
| 32 17 23-1           | FINAL PAVEMENT MARKING<br>LUMP SUM                 | 1                | +++++++                     |                         |
| 32 17 23-2           | OBLITERATE PAVEMENT MARKINGS<br>LUMP SUM           | 1                | +++++++                     |                         |
| 32 17 23-3           | PAVEMENT MARKING<br>SQUARE FOOT                    | 5,000            |                             |                         |



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MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT  
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ISSUE DATE: December 20, 2021

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|----------------------|---|------------------|-----------------------------|-------------------------|
| 32 17 23-4           | OBLITERATE PAVEMENT MARKINGS<br>SQUARE FOOT     | 5,000            |                             |                         |
| 32 17 23-6           | TEMPORARY PAVEMENT MARKING<br>LUMP SUM          | 1                | +++++++                     |                         |
| 32 92 00-1           | SEEDING, CLASS 1<br>ACRE                        | 1                |                             |                         |
| 32 92 00-2           | SODDING<br>SQUARE YARD                          | 1,600            |                             |                         |
| 32 92 00-3           | WATER<br>M. GALLON                              | 100              |                             |                         |
| 33 41 00-1           | STORM MANHOLE RECONSTRUCTION<br>LUMP SUM        | 1                | +++++++                     |                         |
| 34 43 05-1           | AIRFIELD SIGN COVERING<br>EACH                  | 19               |                             |                         |
| 34 43 05-2           | TEMPORARY WIRING<br>LUMP SUM                    | 1                | +++++++                     |                         |
| 34 43 05-3           | REMOVE TEMPORARY WIRING<br>LUMP SUM             | 1                | +++++++                     |                         |
| 34 43 05-4           | DISABLE TAXIWAY LIGHT FIXTURE<br>EACH           | 35               |                             |                         |
| 34 43 11-1           | 2" PVC CONDUIT<br>LINEAR FOOT                   | 1,800            |                             |                         |
| 34 43 20-1           | #8 5KV CABLE<br>LINEAR FOOT                     | 4,600            |                             |                         |
| 34 43 20-2           | #6 600V CABLE<br>LINEAR FOOT                    | 2,900            |                             |                         |
| 34 43 20-3           | #6 BARE COUNTERPOISE<br>LINEAR FOOT             | 1,700            |                             |                         |
| 34 43 20-4           | INSTALL CABLE IN DUCT OR CONDUIT<br>LINEAR FOOT | 2,900            |                             |                         |
| 34 43 25-1           | TRENCHING IN TURF<br>LINEAR FOOT                | 3,400            |                             |                         |

**MAC**  
**MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT**  
**2022 TAXIWAY P RECONSTRUCTION**

**ISSUE DATE: December 20, 2021**

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|----------------------|--|------------------|------------|-------|---------|-------|
|                      |  |                  | DOLLARS    | CENTS | DOLLARS | CENTS |
| 34 43 31-1           | ELEVATED LED TAXIWAY EDGE LIGHT<br>EACH                  | 23               |            |       |         |       |
| 34 43 31-2           | ELEVATED INCANDESCENT TAXIWAY EDGE LIGHT<br>EACH         | 4                |            |       |         |       |
| 34 43 31-3           | ELEVATED LED TAXIWAY EDGE LIGHT ON EXISTING BASE<br>EACH | 46               |            |       |         |       |
| 34 43 32-1           | SIGN PAD - 2 MODULE<br>EACH                              | 2                |            |       |         |       |
| 34 43 32-2           | SIGN PAD - 3 MODULE<br>EACH                              | 4                |            |       |         |       |
| 34 43 32-3           | INSTALL SALVAGED AIRFIELD SIGN<br>EACH                   | 6                |            |       |         |       |
| 34 43 70-1           | REMOVE & SALVAGE TAXIWAY EDGE LIGHT<br>EACH              | 25               |            |       |         |       |
| 34 43 70-2           | REMOVE & SALVAGE AIRFIELD SIGN<br>EACH                   | 6                |            |       |         |       |
| 34 43 70-3           | REMOVE 12 CELL DUCT BANK<br>LINEAR FOOT                  | 90               |            |       |         |       |

**2022 TAXIWAY P RECONSTRUCTION: TOTAL BID \$** \_\_\_\_\_

The undersigned hereby acknowledges receipt of Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_ Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_ Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_