



**LETTER OF TRANSMITTAL**

**DATE:** May 9, 2022

**TO:** All Prospective Bidders & MoDOT

**FROM:** Andy Macias, P.E.

**RE:** St. Joseph Regional Port Authority Bucket Conveyor System – St. Joseph, Missouri  
MoDOT Project #WCI22000141  
**Addendum No. 2**

**CONTENT:** The following is Addendum No. 2 for the above reference project. **Please complete the confirmation portion from this addendum and fax it back to our office at (816) 364-6086 or scan and email to [akatakis@snyder-associates.com](mailto:akatakis@snyder-associates.com)** to ensure that you have received the addendum.

**CONFIRMATION OF RECEIPT  
ADDENDUM NO. 2**

This is to confirm that we did receive Addendum No. 2 for the above referenced project on this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

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

By: \_\_\_\_\_

**Addendum No. 2****St. Joseph Regional Port Authority Bucket Conveyor System  
St. Joseph, Missouri**

All Prospective Bidders:

The contract documents are hereby amended in the following particulars only. All other terms and conditions remain unchanged.

**A. SPECIFICATIONS**

1. Spout for bucket conveyor shall be round ¼" thick galvanized steel, sized to fit the bucket conveyor and hopper bin opening with required transitions.
2. Alternate spout will consist of galvanized square tubing ¼" thick with ¼" urethane abrasion resistant liner, sized appropriately for this application with required transitions.
3. Soft start will be required for motor starter.
4. Electrical conduit shall be GRS.
5. Stainless steel bolts are not required for this conveyor.
6. Hopper bin electronic level indicator shall be Alternate 2. Indicator shall be solar powered, and wireless, as per LCDM or approved equal.
7. Replace bid sheet 9 with revised bid sheets 9A and 9B (attached) which reflects:
  - Base Bid – Bucket Elevator & Chute Support Tower
  - Alternate 1 – Electrical for Bucket Conveyor
  - Alternate 2 - Hopper Bin Level Indicator
  - Alternate 3 - Square Spout with Urethane Liner

**B. PLANS**

1. Replace plan sheet C1.1 with revised plan sheet C1.1A (attached).

The above interpretations and alterations are hereby made a part of the contract documents and supersede all other addenda or interpretations.

Issued this Ninth (9<sup>th</sup>) day of May 2022.

**SNYDER & ASSOCIATES**

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Andy Macias, P.E.

**ITEMIZED BID:** The bidder should complete the following section in accordance with Sec 102.7. The bidder proposes to furnish all labor, materials, equipment, services, etc. required for the performance and completion of the work, as follows:

**Base Bid**

1	Bucket Elevator & Support Tower and Gravity Shoot including Delivery	EA	1	\$ _____	\$ _____
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**Base Bid in words and figures:** \_\_\_\_\_  
 \_\_\_\_\_ (\$ \_\_\_\_\_)

**Alternate No. 1**

2	Electrical Service and Disconnect	LS	1	\$ _____	\$ _____
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**Alternate No. 1 in words and figures:** \_\_\_\_\_  
 \_\_\_\_\_ (\$ \_\_\_\_\_)

**Alternate No. 2**

3	Hopper Bin Level Indicator	LS	1	\$ _____	\$ _____
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**Alternate No. 2 in words and figures:** \_\_\_\_\_  
 \_\_\_\_\_ (\$ \_\_\_\_\_)

**Alternate No. 3**

4	Square Spout with Urethane Liner	LS	1	\$ _____	\$ _____
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**Alternate No. 3 in words and figures:** \_\_\_\_\_  
 \_\_\_\_\_ (\$ \_\_\_\_\_)

**TOTAL BID (BASE BID) in words and figures:**  
 \_\_\_\_\_  
 \_\_\_\_\_ (\$ \_\_\_\_\_)

**TOTAL BID (BASE BID + ALTERNATE NO. 1) in words and figures:**  
 \_\_\_\_\_  
 \_\_\_\_\_ (\$ \_\_\_\_\_)

**TOTAL BID (BASE BID + ALTERNATE NO. 1 + ALTERNATE NO. 2) in words and figures:**

\_\_\_\_\_ (\$\_\_\_\_\_)

**TOTAL BID (BASE BID + ALTERNATE NO. 1 + ALTERNATE NO. 2 + ALTERNATE NO. 3) in words and figures:**

\_\_\_\_\_ (\$\_\_\_\_\_)

**COMPANY:** \_\_\_\_\_

**SIGNED BY:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_



**GENERAL NOTES**

COMPLETE WORK IN ACCORDANCE WITH APWA, CITY OF ST. JOSEPH AND OWNERS SPECIFICATIONS.

NOTIFY CITY, ENGINEER AND PROPERTY OWNERS 48 HOURS PRIOR TO CONSTRUCTION.

PROPOSED CONTOURS AND SPOT ELEVATION REPRESENT FINISH GRADE. FINISH GRADE CONSISTS OF TOP OF PAVEMENT, SIDEWALK, OR TOP OF EARTH, DEPENDING ON SITE LOCATION.

THE FINISH FLOOR ELEVATIONS SHOWN WERE UTILIZED FOR GRADING AND UTILITY DESIGN. THE ELEVATIONS SHOULD BE REVIEWED IN THE FIELD PRIOR TO CONSTRUCTION OF THE INDIVIDUAL UNITS.

MISCELLANEOUS GRADING, EXCAVATING, AND/OR BACKFILL ASSOCIATED WITH PAVING, STORM SEWERS, SANITARY SEWERS, OR WATER LINE CONSTRUCTION IS SUBSIDIARY TO THE PROJECT.

CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES UPON THE COMPLETION OF GRADING.

WHERE FILL IS BEING PLACED ON SLOPES STEEPER THAN 5H:1V, THE EXISTING SLOPES SHOULD BE BENCHES AS FILL PLACEMENT PROGRESSES. THESE BENCHES SHALL BE VERTICALLY STEPPED NO MORE THAN 2 FEET.

THE CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT THE TOP 8" OF ALL DISTURBED TURF AREAS SHALL BE FREE OF FOREIGN MATTER, TOXIC SUBSTANCES, AND ANY OTHER MATERIAL OR SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH.

CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS OF BUILDING.

SITE TOPOGRAPHY TAKEN FROM SURVEY COMPLETED BY MIDLAND SURVEYING. CONTRACTOR TO VERIFY EXISTING CONDITIONS OF THE SITE THAT MAY NOT BE REPRESENTATIVE OF CONSTRUCTION PLANS.

EXISTING UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, STRUCTURE, FENCES, AND/OR INCIDENTALS NOT DESIGNED FOR REMOVAL SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR TO PROVIDE A LEVEL BUILDING PAD BASED UPON PROPOSED FINISHED FLOOR ELEVATIONS TO ±0.10' OR AS ESTABLISHED THROUGH ALTERNATIVE BID DOCUMENTS.

PROTECT EXISTING TREES, SHRUBS, FENCE, AND LANDSCAPING UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS. REPLACE ANY FENCE, TREES, SHRUBS, LANDSCAPING ITEMS, OR OTHER VEGETATION NOT SCHEDULED FOR REMOVAL THAT ARE DAMAGED DURING CONSTRUCTION OPERATIONS WITHOUT ADDITIONAL COMPENSATION.

ANY ADDITIONAL EXCAVATION REQUIRED FOR RE-SHAPING OF ADJACENT AREAS TO PROVIDE FOR DRAINAGE IS CONSIDERED INCIDENTAL.

COMPACT THE BACKFILL IN PAVED AREAS AND AREAS TO BE PAVED TO AT LEAST 95% OF MAXIMUM STANDARD PROCTOR DENSITY. COMPACT BACKFILL AND IN UNPAVED AREAS TO NOT LESS THAN 90% OF MAXIMUM STANDARD PROCTOR DENSITY.

ALL TRAFFIC CONTROL SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), WHEN CONSTRUCTION ACTIVITIES OBSTRUCT PORTIONS OF THE ROADWAY CERTIFIED FLAGGERS SHALL BE PROVIDED. FLAGGERS SHALL CONFORM TO THE MUTCD IN APPEARANCE, EQUIPMENT AND ACTIONS.

DO NOT RESTRICT DRAINAGE CHANNELS. PROTECT EXISTING DRAINAGE STRUCTURES UNLESS SPECIFICALLY NOTED OTHERWISE. REPAIR ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY CAUSED BY CONTRACTOR'S ACTION OR INACTION IN THE HANDLING OF STORM WATER FLOWS DURING CONSTRUCTION.

PROVIDE EROSION CONTROL MEASURES NECESSARY TO PROTECT AGAINST SILTATION, EROSION, AND DUST POLLUTION ON THE PROJECT. COMPLY WITH THE SOIL EROSION CONTROL REQUIREMENTS OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES AND LOCAL ORDINANCES.

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. VERIFY LOCATION OF ALL UTILITIES BEFORE CONSTRUCTION.

NOTIFY UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. COORDINATE AND COOPERATE WITH UTILITY COMPANIES TO ALLOW RELOCATIONS DURING THE CONSTRUCTION PERIOD. VERIFY THE ACTUAL LOCATION OF ALL UTILITIES BY EXCAVATING IN ADVANCE OF WORK AT CRITICAL LOCATIONS. PROTECT UTILITIES AND SERVICES DURING CONSTRUCTION.

PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.

IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.

ALL FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED AND NOTED ACCORDINGLY ON THE AS-BUILT DOCUMENTS.

PROTECT ALL TREES NOT DESIGNATED FOR REMOVAL. NO CLEARING SHALL BE ALLOWED WITHOUT CITY APPROVAL.

**UTILITIES:**

FOR	LOCATION	CONTACT	PHONE
GAS:	SPIRE ENERGY 402 CEDAR SAINT JOSEPH, MISSOURI 64501	MR. ROBERT HART CONSTRUCTION & MAINTENANCE FOREMAN	816.676.6252
ELECTRIC:	EVERGY 613 ATCHISON STREET SAINT JOSEPH, MISSOURI 64501	MR. BRENT HILL	816.387.6285
TELEPHONE:	AT&T 320 NORTH 10TH STREET SAINT JOSEPH, MISSOURI 64501	MS. VICKI NORRIS	816.271.2459
WATER:	MISSOURI AMERICAN WATER CO. 3901 BECK ROAD, SUITE B SAINT JOSEPH, MISSOURI 64506	MR. MIKE DOOLAN	816.262.8855
CITY ENGINEER:	CITY OF ST JOSEPH DEPARTMENT OF PUBLIC WORKS 1100 FREDERICK AVENUE, RM. 203 SAINT JOSEPH, MISSOURI 64501	MR. BRADY MCKINLEY	816.271.4733
FIRE DEPARTMENT:	ST JOSEPH FIRE DEPT. 401 SOUTH 7TH STREET SAINT JOSEPH, MISSOURI 64501	MR. KENNY CORDONNER FIRE INSPECTOR	816.271.4623
CABLE TELEVISION:	SUDDENLINK 102 NORTH WOODBINE SAINT JOSEPH, MISSOURI 64506	MR. TIM GERLITZ	816.278.6671

CONTRACTOR TO LOCATE A SINGLE LOCATION FOR CONCRETE WASHOUT. NOTE LOCATION OF CONCRETE WASHOUT ON EROSION CONTROL PLAN. CONTRACTOR TO REMOVE WASHOUT DEBRIS AT END OF CONSTRUCTION. IF CONSTRUCTION REQUIRES WASHOUT TO BE RELOCATED, CONTRACTOR TO REMOVE WASHOUT DEBRIS AND NOTE NEW LOCATION ON EROSION CONTROL PLAN. BURY AFTER COMPLETION.

**GENERAL NOTES:**

A MISSOURI STATE OPERATING PERMIT FOR STORM WATER DISCHARGE IS REQUIRED IF CONSTRUCTION ACTIVITY DISTURBS ONE ACRE OR MORE IN ACCORDANCE WITH THE MISSOURI DEPARTMENT OF NATURAL RESOURCES' REGULATION (10 CSR 20-6.200). COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED IN THIS INSTANCE. A CONSTRUCTION PERMIT FOR LAND DISTURBANCE WILL BE SECURED FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES AND PROVIDED TO THE CONTRACTOR.

SLOPES ARE TO BE LEFT IN A ROUGHENED CONDITION DURING GRADING.

CURB INLET SEDIMENTATION FILTERS ARE TO BE INSTALLED AROUND CURB INLETS WHERE SEDIMENTATION IS A CONCERN. (SEE SWPP FOR DETAILS)

INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF STORM INLETS & REMAIN IN PLACE UNTIL GROUND COVER HAS BEEN ESTABLISHED.

EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO BEGINNING GRADING OPERATIONS WHERE POSSIBLE. ALL REMAINING EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IMMEDIATELY FOLLOWING GRADING OPERATIONS.

THE SITE IS TO BE SEEDED AND MULCHED AND TEMPORARY EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE UNTIL GROUND COVER HAS BEEN ESTABLISHED.

SEDIMENT IS TO BE REMOVED FROM STORM WATER DRAINAGE SYSTEMS INCLUDING THE DETENTION BASIN.

ROCK LINING IS TO BE INSTALLED AT AREAS OF CONCENTRATED FLOW (I.E. CULVERT OUTLETS).

ROCK LINING SHALL BE TYPE 2 ROCK DITCH LINER ACCORDING TO MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SEC. 609.60. ALL NECESSARY STEPS SHALL BE TAKEN TO PREVENT SEDIMENT AND SOIL EROSION FROM BEING TRANSPORTED ONTO ADJACENT PROPERTY AND INTO STREAMS, LAKES, PONDS, OR OTHER AREAS.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. ANY REQUIRED REPAIRS SHOULD BE MADE IMMEDIATELY.

ADDITIONAL EROSION CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN EROSION PROBLEMS ARISE OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED.

**A. EROSION PROTECTION**

1. CODE COMPLIANCE: THE CONTRACTOR SHALL COMPLY WITH SOIL EROSION CONTROL REQUIREMENTS OF THE MISSOURI CODE, THE MISSOURI DEPARTMENT OF NATURAL RESOURCES NPDES PERMIT, AND LOCAL ORDINANCE. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASUREMENTS TO PROTECT AGAINST EROSION AND DUST POLLUTION ON THIS PROJECT SITE AND ALL OFF-SITE BORROW OR DEPOSIT AREAS DURING PERFORMANCE OR AS A RESULT OF PERFORMANCE.

2. DAMAGE CLAIMS: THE CONTRACTOR WILL HOLD THE OWNER, ARCHITECT AND ENGINEER HARMLESS FROM ANY AND ALL CLAIMS OF ANY TYPE WHATSOEVER RESULTING FROM DAMAGES TO ADJOINING PUBLIC OR PRIVATE PROPERTY, INCLUDING REASONABLE ATTORNEY FEES INCURRED TO OWNER. FURTHER, IF THE CONTRACTOR FAILS TO TAKE NECESSARY STEPS TO PROMPTLY REMOVE EARTH SEDIMENTATION OR DEBRIS WHICH COMES ONTO ADJOINING PUBLIC OR PRIVATE PROPERTY, THE OWNER MAY, BUT NEED NOT, REMOVE SUCH ITEMS AND DEDUCT THE COST THEREOF FROM AMOUNTS DUE TO THE CONTRACTOR.

3. ALL AREAS DISTURBED BY CONSTRUCTION ON THIS PROJECT WILL BE SUBJECT TO CURRENT REGULATORY REQUIREMENTS AND THESE STANDARDS.

**B. STORM WATER DISCHARGE PERMIT:**

1. THIS PROJECT REQUIRES A LAND DISTURBANCE PERMIT FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, AS REQUIRED BY THE ENVIRONMENTAL PROTECTION COMMISSION (EPC). THE OWNER SHALL OBTAIN THE PERMIT. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLIANCE AND FULFILLING ALL REQUIREMENTS OF THE PERMIT INCLUDING THE STORM WATER POLLUTION PREVENTION PLAN.

2. ALL DOCUMENTS RELATED TO THE STORM WATER DISCHARGE PERMIT SHALL BE KEPT ON SITE AT ALL TIMES AND MUST BE PRESENTED TO THE MISSOURI DNR UPON REQUEST WHICH INCLUDE THE NOTICE OF INTENT, PROOF OF PUBLICATION, POLLUTION PREVENTION PLAN, PROJECT INSPECTION DIARY, AND OTHER ITEMS. FAILURE TO COMPLY WITH THE DISCHARGE REQUIREMENTS IS IN VIOLATION OF THE CLEAN WATER ACT AND THE CODE OF MISSOURI.

3. UPON FINAL STABILIZATION OF THE DISTURBED AREA, A "NOTICE OF DISCONTINUATION" MUST BE FILED BY THE OWNER WITH THE MISSOURI DNR. ALL PLANS, INSPECTION REPORTS, AND OTHER DOCUMENTS MUST BE RETAINED FOR A PERIOD OF THREE YEARS AFTER PROJECT COMPLETION. THE CONTRACTOR SHALL RETAIN RECORD COPY AND PROVIDE ORIGINAL DOCUMENTS TO THE OWNER UPON ISSUANCE OF THE NOTICE OF DISCONTINUATION.

**POLLUTION PREVENTION PLAN:**

1. SITE DESCRIPTION: THIS PROJECT IS FOR THE CONSTRUCTION OF ROUGH GRADING FOR COMMERCIAL DEVELOPMENT. THE ENTIRE PROJECT COVERS APPROXIMATELY 2.31 ACRES. THE ESTIMATED AVERAGE RUNOFF COEFFICIENT WILL BE 0.75 RUNOFF FROM THIS PROJECT SITE AND WILL BE ROUTED THROUGH THE EXISTING CITY STORM SEWER.

2. POTENTIAL SOURCES OF POLLUTION FOR THIS PROJECT RELATE TO SILTS, SEDIMENT, AND OTHER MATERIALS WHICH MAY BE TRANSPORTED FROM THE CONSTRUCTION SITE AS THE RESULT OF A STORM EVENT.

3. RESPONSIBILITY: THIS POLLUTION PREVENTION PLAN ILLUSTRATES GENERAL MEASURES TO BE TAKEN FOR COMPLIANCE WITH THE PERMIT. ALL MITIGATION MEASURES REQUIRED, AS A RESULT OF ACTIVITIES, ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL ACTIONS NECESSARY FOR INSTALLATION OF CONTROL MEASURES FOR COMPLIANCE WITH PERMIT REQUIREMENTS.

4. CONTROLS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE AND FULFILLING ALL THE REQUIREMENTS OF THE GENERAL PERMIT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

a. THE CONTRACTOR SHALL PROTECT ADJOINING PROPERTY INCLUDING PUBLIC UTILITIES, SANITARY AND STORM DRAINAGE SYSTEMS, AND STREETS FROM ANY DAMAGE RESULTING FROM MOVEMENT OF EARTH OR OTHER DEBRIS FROM PROJECT SITE. REPAIR ANY DAMAGE IMMEDIATELY AT NO ADDITIONAL COST.

b. THE CONTRACTOR SHALL PREVENT ACCUMULATION OF EARTH, SILTATION, OR DEBRIS ON ADJOINING PUBLIC OR PRIVATE PROPERTY FROM PROJECT SITE. REMOVE ANY ACCUMULATION OF EARTH OR DEBRIS IMMEDIATELY AND TAKE REMEDIAL ACTIONS FOR PREVENTION.

c. PRIOR TO SITE CLEARING AND GRADING OPERATIONS, CONTRACTOR SHALL INSTALL SILT FENCE ALONG THE PERIMETER OF THE PROJECT DOWNSTREAM OF DISTURBING ACTIVITIES AS REQUIRED AND AS SHOWN ON THE PLANS.

d. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION IN AREAS NOT NEEDED FOR CONSTRUCTION.

**EROSION CONTROL & POLLUTION PREVENTION PLAN - GENERAL NOTES**

1. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS A SEPARATE DOCUMENT IN ADDITION TO THESE PLAN DRAWINGS. THE CONTRACTOR SHOULD REFER TO THE SWPPP FOR ADDITIONAL REQUIREMENTS AND MODIFICATIONS TO THE POLLUTION PREVENTION PLAN MADE DURING CONSTRUCTION.

2. THE SWPP ILLUSTRATES GENERAL MEASURES AND BEST MANAGEMENT PRACTICES (BMP) FOR COMPLIANCE WITH THE PROJECT'S NPDES PERMIT COVERAGE. ALL BMP'S AND EROSION CONTROL MEASURES REQUIRED AS A RESULT OF CONSTRUCTION ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, NOTE AND IMPLEMENT. ADDITIONAL BMP'S FROM THOSE SHOWN ON THE PLAN MAY BE REQUIRED.

3. THE SWPPP AND SITE MAP SHOULD BE EXPEDITIOUSLY REVISED TO REFLECT CONSTRUCTION PROGRESS AND CHANGES AT THE PROJECT SITE.

4. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE GENERAL PERMIT AND SWPPP, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING BMP'S UNLESS INFEASIBLE OR NOT APPLICABLE:

A. UTILIZE OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE WHEN DISCHARGING FROM BASINS, PROVIDE AND MAINTAIN NATURAL BUFFERS AROUND SURFACE WATERS, DIRECT STORM WATER TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORM WATER INFILTRATION, AND MINIMIZE SOIL COMPACTION.

B. INSTALL PERIMETER AND FINAL SEDIMENT CONTROL MEASURES SUCH AS SILT BARRIERS, DITCH CHECKS, DIVERSION BERMS, OR SEDIMENTATION BASINS DOWNSTREAM OF SOIL DISTURBING ACTIVITIES PRIOR TO SITE CLEARING AND GRADING OPERATIONS.

C. PRESERVE EXISTING VEGETATION IN AREAS NOT NEEDED FOR CONSTRUCTION AND LIMIT TO A MINIMUM THE TOTAL AREA DISTURBED BY CONSTRUCTION OPERATIONS AT ANY TIME.

D. MAINTAIN ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES IN WORKING ORDER, INCLUDING CLEANING, REPAIRING, REPLACEMENT, AND SEDIMENT REMOVAL THROUGHOUT THE PERMIT PERIOD. CLEAN OR REPLACE SILT CONTROL DEVICES WHEN THE MEASURES HAVE LOST 50% OF THEIR ORIGINAL CAPACITY.

E. INSPECT THE PROJECT AREA AND CONTROL DEVICES (BY QUALIFIED PERSONNEL ASSIGNED BY THE CONTRACTOR) EVERY SEVEN CALENDAR DAYS. RECORD THE FINDING OF THESE INSPECTIONS AND ANY RESULTING ACTIONS IN THE SWPPP WITH A COPY SUBMITTED WEEKLY TO THE OWNER OR ENGINEER DURING CONSTRUCTION. REVISE THE SWPPP AND IMPLEMENT ANY RECOMMENDED MEASURES WITHIN 7 DAYS.

F. PREVENT ACCUMULATION OF EARTH AND DEBRIS FROM CONSTRUCTION ACTIVITIES ON ADJOINING PUBLIC OR PRIVATE PROPERTIES, INCLUDING STREETS, DRIVEWAYS, SIDEWALKS, DRAINAGEWAYS, OR UNDERGROUND SEWERS. REMOVE ANY ACCUMULATION OF EARTH OR DEBRIS IMMEDIATELY AND TAKE REMEDIAL ACTIONS FOR FUTURE PREVENTION.

G. INSTALL NECESSARY CONTROL MEASURES SUCH AS SILT BARRIERS, EROSION CONTROL MATS, MULCH, DITCH CHECKS OR RIPRAP AS SOON AS AREAS REACH THEIR FINAL GRADES AND AS CONSTRUCTION OPERATIONS PROGRESS TO ENSURE CONTINUOUS RUNOFF CONTROL. PROVIDE INLET AND OUTLET CONTROL MEASURES AS SOON AS STORM SEWERS ARE INSTALLED.

H. RESPREAD A MINIMUM OF 4 INCHES OF TOPSOIL (INCLUDING TOPSOIL FOUND IN SOD) ON ALL DISTURBED AREAS, EXCEPT WHERE PAVEMENT, BUILDINGS OR OTHER IMPROVEMENTS ARE LOCATED.

I. COORDINATE LOCATIONS OF STAGING AREAS WITH THE OWNER AND RECORD IN THE SWPPP. UNLESS NOTED OTHERWISE, STAGING AREAS SHOULD CONTAIN THE FOLLOWING: JOB TRAILERS, FUELING / VEHICLE MAINTENANCE AREA, TEMPORARY SANITARY FACILITIES, MATERIALS STORAGE, AND CONCRETE WASHOUT FACILITY. BARRIERS AND DIRECT TO A SEDIMENT BASIN OR OTHER CONTROL DEVICE WHERE POSSIBLE. CONCRETE WASHOUT MUST BE CONTAINED ONSITE.

K. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND SITE WASTE PRIOR TO FILING OF THE "NOTICE OF DISCONTINUATION".

BASE BID SUMMARY OF QUANTITIES			
ITEM	ITEM DESCRIPTION	UNIT	EST. QUANTITY
1	BUCKET ELEVATOR & CHUTE, SUPPORT TOWER	EA	1

ALTERNATE NO. 1 SUMMARY OF QUANTITIES			
ITEM	ITEM DESCRIPTION	UNIT	EST. QUANTITY
2	ELECTRICAL FOR BUCKET CONVEYOR	LS	1

ALTERNATE NO. 2 SUMMARY OF QUANTITIES			
ITEM	ITEM DESCRIPTION	UNIT	EST. QUANTITY
3	HOPPER BIN LEVEL INDICATOR	LS	1

ALTERNATE NO. 3 SUMMARY OF QUANTITIES			
ITEM	ITEM DESCRIPTION	UNIT	EST. QUANTITY
4	SQUARE SPOUT WITH URETHANE LINER	LS	1

MARK	REVISION	DATE	BY
Engineer: AM	Checked By: AM	Scale: N.T.S.	
Technician: BT	Date: 04-19-2022	Field Bk:	
Snyder & Associates Engineers & Planners, Inc.			Sheet C1.1A
Missouri State Certificate of Authority #200006544			

**REGIONAL PORT AUTHORITY CONVEYOR SYSTEM**  
**GENERAL NOTES AND QUANTITIES**  
**ST. JOSEPH, MO**  
 802 FRANCIS STREET  
 ST. JOSEPH, MO 64501  
 816-364-5222  
**SNYDER & ASSOCIATES ENGINEERS & PLANNERS, INC.**  
 www.snyder-associates.com

