BASE BID

201 CLEARING AND DREADING
D-1.0 EA 1 0.3 0.3 0.3 0.3 0.3

289A UNCLASSIFIED EXCAVATION
D-1.0 CY 454 235 82 88 91

320 SWRRP DOCUMENTATION AND MANAGEMENT
S-6 LBM 1 0.34 0.16 0.16 0.17 0.17

421A TEMPORARY PILE FENCE
E-7 LF 511 100 100 100 100 100

221C TEMPORARY SEDIMENT FILTERS
D-7.8 EA 660 120 200 200 80 85

221A TEMPORARY SEDIMENT LOG
F-1.5 LF 248 48 82 82 48 48

239A SOLID SLOPE SLOPPING
S-10.15 SY 560 20 225 166 70 32

303A AGGREGATE BASE TYPE A
S-1.2 CY 388 106 81 83 48

311B SUBGRADE METHOD B
SY 401 401 6 10 8

325 SEPARATION FABRIC (NAVY, RD, 301, OR APPROVED EQUAL)
B-3 SY 3,358 1,251 878 789 440

C6373 CONTRACTOR QUALITY CONTROL
LBM 1 0.34 0.16 0.16 0.17 0.17

421A FABRIC REINFORCEMENT (TEMPORARY OPUS, OR APPROVED EQUAL)
S-4 SY 15,641 5,672 3,759 2,544 1,203

411C 2' SUPERFLY TYPE 54 (PD-GM-22) OVERLAY
S-6.0,5 TON 1,773 549 415 395 274 140

414D 1' SUPERFLY TYPE 55 (PD-GM-22) (FOR LEVELING ONLY)
S-6.5,5.5,7.4 TON 50 26 21 21 19

410 ADO COLD MILLING PavEMENT
S-9 SY 5,283 2,240 1,452 1,475 918 476

419R GROUND BEER
SF 149 45 19 55 23 10

61SB 6' CONCRETE DRIVEWAY (R.E.S.)
S-12.6,15.5,18 LF 47

61SW 6' CONCRETE DRIVEWAY (R.E.S.)
S-12.6,15.5,18 SY 1,198 471 472 256

611B TACTILE WARNING DEVICE
SF 16 8 8 8

6110 R-INLET DES 3 (STP)
S-4,5,6,7,8,9,10,11 EA 1 1

6119R REPLACEMENT OF INLET GRATE
S-4 EA 10 8 2

61112 VALVE BOX ADJUST TO GRADE (REIN. CONC. COLLAR)
D-2,5,7,9 EA 2 2

6138 REMOVAL & REPLACE MANHOLE FRAME & COVER (REIN. CONC. COLLAR)
S-9,12,15,18 EA 3 2 1

613S 6' PCI PIPE CLASS 11
D-4 O.D. 3.4 LF 8

6194A REMOVAL OF STRUCTURES AND OBSTRUCTIONS
R-1,2,3,4,5,6 LBM 1 0.34 0.16 0.16 0.17 0.17

619B REMOVAL OF CURB AND GUTTER
R-1,2,5 LF 47 27 20

619C REMOVAL OF CONCRETE DRIVEWAY
R-1,2,5 SY 1,558 447 337 209

641 MODIFICATION
G-2 EA 1 0.34 0.16 0.16 0.16

649R CONSTRUCTION STANDING LINES
G-0.4 EA 1 0.34 0.16 0.16 0.16

658A REMOVAL OF EXISTING SIGNS
T-5 EA 1 0.34 0.16 0.16 0.16

661C 1' 1/2 SQUARE TUBE POST
LF 97 23 3 12 15 2

661D 1/4 SQUARE TUBE POST
LF 570 150 30 60 150 3

661E 1/2 SQUARE TUBE POST
LF 111 46 9 24 30 3

686A TRAFFIC STRIPING (THERMOPLASTIC) (6" WIDE) (YELLOW)
T-3 LF 576 576

686B TRAFFIC STRIPING (THERMOPLASTIC) (24" WIDE) (WHITE)
T-3 LF 916 916

686C TRAFFIC STRIPING (THERMOPLASTIC) (24" WIDE) (SHINE)
T-3 LF 82 82

688G CONSTRUCTION SIGNS 20 SF TO 29.99 SF
T-2,4 SY 2,000 1,732 1,732 1,732

688H CONSTRUCTION SIGNS 30 SF TO 59.99 SF
T-2,4 SY 4,300 863 863 863

688I CONSTRUCTION SIGNS 60 SF TO 99.99 SF
T-2,4 SY 5,400 1,080 1,080 1,080

686C CONSTRUCTION SIGNS 100 SF TO 199.99 SF
T-2,4 SY 4,300 864 864 864

686D CONSTRUCTION BARRETTES (TYPE II)
T-2,4 SY 9,000 1,060 1,060 1,060

6803 FLASHING
T-4,5 SY 10 10 10 10

287B QICK MIX TRIMMABLE FILL
S-1.0,1.1,1.2,1.3,1.4,1.5,1.6 CY 11 11

433 CONSTRUCTION AS-BUILT
LBM 1 0.34 0.16 0.16 0.16

437 CONSTRUCTION AS-PLANNED
LBM 1 0.34 0.16 0.16 0.16

438 PROJECT CHECK (CITY OF TULSA ST-10)
T-1 EA 1 1

439 STANDARD PERMANENT RAMP
S-2,1,1 CY 107 107

457 SPECIAL URBAN HIGHWAY RESTORATION
G-6.6,7,8,9,10 EA 1 0.2 0.2 0.2 0.2 0.2

520 SPECIAL PAVING DRAINAGE AND ADJUST TO GRADE (P.E.S.)
N-2 SY 16 6 5

NOTE: ITEMS LISTED OR SHOWN ON DRAWINGS ARE UNLESS NOTED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED IN ESTIMATING, AND NOT TO INCLUDE ANY ITEMS REMOVE OR REPAIR WORK AS SHOWN ON PLANS AND SPECIFICATIONS.
1. All Construction and Materials shall be in accordance with the 2018 Oklahoma Uniform Building Code and Standard Details and Standard Drawings and City of Tulsa Special Provisions.

2. The Contractor shall comply with all Federal, State and Local Laws Governing Safety, Health and Sanitation. The Contractor shall provide all necessary safety equipment and protective clothing. The Contractor shall not be responsible for the adequacy of the Contractor’s own safety actions or as his/her responsibility or as the Engineer of any of the Contractor’s safety actions. The Contractor shall comply with the requirements of the City of Tulsa Uniform Building Code and Standard Details and Standard Drawings and City of Tulsa Special Provisions. The Contractor shall ensure that all safety measures are taken to prevent accidents and injuries to the public and the Contractor’s own employees. The Contractor shall be responsible for the adequacy of the Contractor’s own safety actions.

3. Any Items shall be as specified on the City of Tulsa or on the City Standard Drawings except as modified by the Contract.

4. The Contractor shall determine the exact location of all existing utilities before commencing work in such area. The Contractor is fully responsible for any and all damages which might result from his failure to locate and preserve any and all utilities.

5. The Contractor shall notify the City of Tulsa and all necessary utilities prior to commencement of work to avoid any minor horizontal, vertical, or horizontal location. The City shall provide a list of utility owners (ADE) Public Service Company of Oklahoma (PSO), Oklahoma Natural Gas (ONG), Cox Communications, Metropolitan Edison, Oklahoma Natural Gas (ONG), PSO, Telecommunications, Cushing Water, Tulsa Water, City of Tulsa, Tulsa Airport, City of Cushing, Cushing Water, and others.

6. The Contractor shall give the Notice of Construction of Oklahoma One Call System, Inc. Notice of any excavation no sooner than you have announced for one week in advance of the project. The notice shall include the location of the proposed work, the purpose of the work, and the time and place of the work.

7. The Contractor shall not cause any excess or oversize materials to be transported from the project site during the hours of 7:00 am and 7:00 pm Monday through Friday.

8. The Contractor shall only use materials that are approved by the City of Tulsa or the City Standard Drawings exception as modified by the Contract.

9. The Contractor shall replace any section corroted on other permanent pipe of any materials removed or disturbed as a result of the construction of this project. The replacement of section corroted on other permanent pipe of any materials removed or disturbed as a result of the construction of this project shall be performed by a licensed land surveyor approved to perform work in the State of Oklahoma.

10. The Contractor shall be responsible for the control and maintenance of the stormwater disconnection and stormwater disconnection on the construction site. The Contractor shall ensure that the stormwater disconnection and stormwater disconnection on the construction site are in compliance with all applicable codes and standards.

11. The Contractor shall be responsible for any and all damages which might result from his failure to locate and preserve any and all utilities.

12. The Contractor shall provide written proof of the location of all existing utilities before commencing work in such area. The Contractor is fully responsible for any and all damages which might result from his failure to locate and preserve any and all utilities.

13. The Contractor shall be responsible for any and all damages which might result from his failure to locate and preserve any and all utilities.

14. Any damage to the City’s property or personal property shall be the responsibility of the Contractor. The Contractor shall be responsible for any and all damages which might result from his failure to locate and preserve any and all utilities.

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29. The Contractor shall provide written proof of the location of all existing utilities before commencing work in such area. The Contractor is fully responsible for any and all damages which might result from his failure to locate and preserve any and all utilities.

30. Any damage to the City’s property or personal property shall be the responsibility of the Contractor. The Contractor shall be responsible for any and all damages which might result from his failure to locate and preserve any and all utilities.

31. All sanitary and storm sewer manhole castings and lids that are located in the street and are disturbed by the Contractor shall be replaced with new lids and castings. The sanitary and storm sewer manhole castings shall be salvaged and delivered to the Mathis Metals to the Oklahoma Central Valley Operations and Maintenance, 101 E. and Street north, between the hours of 7:30 am and 3:00 pm Monday through Friday.

32. The City shall be responsible for all necessary quality control testing to ensure that all work is as specified in the plans and specifications. The Contractor shall provide all necessary quality control testing to ensure that all work is as specified in the plans and specifications. The Contractor shall be responsible for all necessary quality control testing to ensure that all work is as specified in the plans and specifications.

33. The City shall be responsible for all necessary quality control testing to ensure that all work is as specified in the plans and specifications. The Contractor shall provide all necessary quality control testing to ensure that all work is as specified in the plans and specifications. The Contractor shall be responsible for all necessary quality control testing to ensure that all work is as specified in the plans and specifications.

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### SUMMARY OF ROADWAY QUANTITIES

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Rate</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

### SUMMARY OF SIGNS

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Action</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### SUMMARY OF INLETS TO BE REMOVED & REPLACED

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Action</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SUMMARY OF DRAINAGE ITEMS

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Elevation</th>
<th>Remov. &amp; Rep. Cost</th>
<th>Miscellaneous</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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<td></td>
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</tbody>
</table>

### SUMMARY OF EROSION QUANTITIES

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Station</th>
<th>R1</th>
<th>R2</th>
<th>R3</th>
<th>R4</th>
<th>R5</th>
<th>R6</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>
### Soil Stabilization Practices

<table>
<thead>
<tr>
<th>Practice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temporary Seeding</td>
</tr>
<tr>
<td>Permanent Sodding, Spraying or Seeding</td>
</tr>
<tr>
<td>Vegetative Mulching</td>
</tr>
<tr>
<td>Sediment Retention Blanket</td>
</tr>
<tr>
<td>Preservation of Existing Vegetation</td>
</tr>
<tr>
<td>Hydro mulch / Hydro seed</td>
</tr>
</tbody>
</table>

**Note:** Temporary erosion control methods must be used on all disturbed areas where construction activities have ceased for over 14 days. Methods used will be as shown on plans or as directed by the engineer.

### Structural Practices

- **Stabilized Construction Exit**
- **Temporary Silt Fence**
- **Temporary Silt Dikes**
- **Temporary Fiber Log**
- Diversion, Interceptor or Perimeter Dikes
- Diversion, Interceptor or Perimeter Shields
- Rock Fill Dams
- Temporary Slope Drain
- Paved Ditch or Ditch Liner Protection
- Temporary Diversion Channels
- Temporary Sediment Basins
- Temporary Sediment Traps
- Temporary Sediment Filters
- Temporary Sediment Removal
- Rip Rap
- Inlet Protection
- Temporary Brush Sediment Barriers
- Sandbag Berms
- Temporary Stream Crossings
- FlexiMat / Articulated Concrete Block
- Compost Filter Soaks
- Erosion Control Mats and Blankets

### Offsite Vehicle Tracking

- Haul roads dampered for dust control
- Loaded haul trucks to be covered with tarps
- Excess dirt on road removed daily

### The Contractor Shall Also Be Responsible For the Following

**Maintenance and Inspection:**

- All erosion and sediment controls will be maintained in good working order from the beginning of construction until an acceptable vegetative cover is established. Inspection by the Contractor and any necessary repairs shall be performed once every 7 calendar days and within 24 hours after any storm event greater than 0.5 inch recorded by a non-freezing rain gauge to be located on site. Potentially erosible areas, drainage ways, materials storage, structural devices, construction entrances and exits along with erosion and sediment control locations are examples of sites that need to be inspected.

**Waste Materials:**

- Proper management and disposal of construction waste material is required by the contractor. Materials include stumps, surplus, debris and all other by-products from the construction process. Practices include disposal, proper materials handling, spill prevention and clean-up measures. Controls and practices shall meet the requirements of all Federal, State and local agencies.

**Hazardous Materials:**

- Proper management and disposal of hazardous waste materials is required. The contractor is responsible for following manufacturer’s recommendations, state and federal regulations to ensure correct handling, disposal, spill prevention and clean-up measures. Examples include but are not limited to: paints, acids, cleaning solvents, chemical additives, concrete curing compounds and contaminated soils.

### General Notes

- A stormwater pollution prevention plan (SWPPP) is required to comply with the Oklahoma pollution discharge elimination system (OPDES) regulations. This plan is initiated during the design phase. Confirmed in the pre-work meetings and available on the job site along with copies of the notice of intent (NOI) form and permit certificate that have been filed with the Oklahoma department of environmental quality (ODEQ). The plan must be kept current in or to date amendments during the progression of the project. All contractor-off-site operations associated with the project must be documented in the SWPPP, i.e. borrow pits, work roads, disposal sites, asphalt/concrete plants, etc. The basic goal of stormwater management is to improve water quality by reducing pollutants in stormwater discharges. Runoff from construction sites has a potential for pollution due to exposed soils and the presence of hazardous materials used in the construction process. The prevention of soil erosion, containment of hazardous materials and the interception of these pollutants before leaving the construction site are the best practices for controlling stormwater pollution.

### The Following Sections of the 2019 ODOT Standard Specifications Should Be Noted:

103.05 Bonding Requirements
104.10 Final Cleanup
104.12 Contractors Responsibility for Work
104.13 Environmental Protection
106.08 Storage and Handling of Material
107.01 Laws, Rules and Regulations to be Observed
107.20 Storm Water Management
220 Management of Erosion, Sedimentation and Storm Water Erosion Prevention and Control
221 Temporary Sediment Control

### In Addition

- "OEO General Permit (OK151) for Storm Water Discharges from Construction Activities Within the State of Oklahoma." OEO, Water Quality Division, October 18, 2012.

Additional permits issued from Oklahoma Water Resources Board, Adair, Adair County, and any additional permits and permits issued from City of Tulsa, Oklahoma Engineering Services Department.
**STORM WATER MANAGEMENT PLAN - MAINTENANCE ZONE 9052**

### Site Description

<table>
<thead>
<tr>
<th>Project Limits</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) ALONG S. MAPLEWOOD AVE. BETWEEN E. 60TH ST. &amp; E. 58TH ST.</td>
<td></td>
</tr>
<tr>
<td>2) ALONG E. 54TH BETWEEN S. LAKEWOOD AVE. &amp; S. SHERIDAN RD.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitation of Existing Residential Street, Including Mill &amp; Overlay, Demolition, Grading and Reconstruction</td>
<td></td>
</tr>
</tbody>
</table>

### Erosion and Sediment Controls

#### Soil Stabilization Practices
- Temporary Seeding
- Permanent Seeding, Stippling or Seeding
- Vegetative Mulching
- Soil Retention Blanket
- Preservation of Existing Vegetation
- Hydroseeding

Note: Temporary erosion control methods must be used on all disturbed areas where construction activities have ceased for over 14 days. Methods used will be as shown on plans, or as directed by the Engineer.

#### Structural Practices
- Stabilized Construction Exit
- Temporary Silt Fence
- Temporary Silt Dikes
- Temporary Fiber Log
- Diversion, Interceptor or Perimeter Dikes
- Diversion, Interceptor or Perimeter Shields
- Rock Filter Dams
- Temporary Slope Drain
- Paved Ditch w/ Ditch Liner Protection
- Temporary Diversion Channels
- Temporary Sediment Basins
- Temporary Sediment Traps
- Temporary Sediment Filters
- Temporary Sediment Removal
- Rip Rap
- Inlet Protection
- Temporary Brush Sediment Barriers
- Sandbags And/Or
- Temporary Stream Crossings
- Flexamat / Articulated Concrete Block
- Compost Filter Rocks
- Erosion Control Mats and Blankets

### The Contractor Shall Also Be Responsible For the Following:

**Maintenance and Inspection:**
- All erosion and sediment controls will be maintained in good working order from the beginning of construction until an acceptable vegetation cover is established. Inspection by the contractor and any necessary repairs shall be performed once every 7 calendar days and within 24 hours after any storm event greater than 0.5 inches recorded by a non-failing rain gage to be located on-site, potentially erodible areas, drainage ways, material storage, structural devices. Construction entrances and exits along with erosion and sediment control locations are examples of sites that need to be inspected.

**Waste Materials:**
- Proper management and disposal of construction waste materials is required by the contractor. Materials include stockpiles, surplus, debris and all other by-products from the construction process. Practices include disposal, proper materials handling, spill prevention and cleanup measures. Controls and practices shall meet the requirements of all Federal, State and Local Agencies.

**Hazardous Materials:**
- Proper management and disposal of hazardous waste materials is required. The contractor is responsible for following manufacturer's recommendations, state and federal regulations to ensure correct handling, disposal, spill prevention and cleanup measures. Examples include, but are not limited to, paints, acids, cleaning solvents, chemical additives, concrete curing compounds and contaminated soils.

**General Notes:**
- A Storm Water Pollution Prevention Plan (SWPPP) is required to comply with the Oklahoma Pollution Discharge Elimination System (PDES) Regulations. This plan is initiated during the design phase. Confirmed in the pre-construction meetings and available on the job site along with copies of the notice of intent (NOI) form and permit certificate that have been filed with the Oklahoma Department of Environmental Quality (ODEQ). The plan must be left current with up-to-date amendments during the progression of the project. All contractor off-site operations associated with the project must be documented in the SWPPP. I.E., borrow pits, work roads, disposal sites, asphalt/concrete plants etc. The basic goal of storm water management is to improve water quality by reducing pollutants in storm water discharges. Runoff from construction sites has potential for pollution due to exposed soils and the presence of hazardous materials used in the construction process. The prevention of soil erosion, containment of hazardous materials and/or the interception of these pollutants before leaving the construction site are the best practices for controlling storm water pollution.

**The following Sections of the 2019 ODOT Standard Specifications Should Be Noted:**
- 103.05 Bonding Requirements
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- 104.13 Environmental Protection
- 106.08 Storage and Handling of Materials
- 107.01 Layout, Rules and Regulations to be Observed
- 107.20 Storm Water Management
- 220 Management of Erosion, Sedimentation and Storm Water Pollution Prevention and Control
- 221 Temporary Sediment Control

### In Addition:
- "906Q General Permit (OKR-12) for Storm Water Discharges from Construction Activities Within the State of Oklahoma." 906Q, Water Quality Division, October 18, 2022.
- Additional permits required from Oklahoma Water Resources Board and/or municipality for use of surface, ground or city water sources for activities such as watering.

### Notes
- This sheet should be used in conjunction with a drainage map that illustrates the drainage patterns/pathways and receiving waters for this project. This sheet should also be used with the erosion control summaries, pay items, & notes.