

Addendum # 1 -- 14-015.0-CIP -- E-Mail Coversheet Dale Drive - Tuller Ridge Drive Temporary Connector

| <i>Planholder</i> | <i>Company E-Mail</i> | <i>Company Contact</i> |
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Please sign, date and return by e-mail to hgeorge@dublin.oh.us to verify receipt of this addendum. Attach signed copy of addendum to bid package when submitting a bid.

Received by: _____ Date: _____



Date of Addendum
Jul 18, 2014

City of Dublin -- Division of Engineering
5800 Shier-Rings Road Dublin OH 43016
Phone (614) 410-4640 Fax (614) 761-650

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Dale Drive - Tuller Ridge Drive Temporary Connector

| | | |
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Please sign, date and return by e-mail to hgeorge@dublin.oh.us to verify receipt of this addendum. Attach signed copy of addendum to bid package when submitting a bid.

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City of Dublin -- Division of Engineering
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**ADDENDUM NO. 1
to the contract for**

**Dale Drive – Tuller Ridge Drive Temporary Connector
14-015-CIP
Bid Date: July 24, 2014**

TO PROSPECTIVE BIDDERS: The following changes shall be made part of the contract documents for this project:

BID SCHEDULE

Remove Bid Schedule Sheets 27-1 through 27-9 dated July 3, 2014 and replace with Bid Schedule Sheets 27-1 through 27-10 dated July 18, 2014.

Add Reference No. 105A:

| | | |
|-----------|---|-------|
| ITEM SPEC | 17-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 25 LF |
|-----------|---|-------|

Change Reference No. 7:

| | | |
|----------|-------------------------|-----------|
| ITEM 203 | EXCAVATION, AS PER PLAN | 13,339 CY |
|----------|-------------------------|-----------|

To Reference No. 7:

| | | |
|----------|-------------------------|-----------|
| ITEM 203 | EXCAVATION, AS PER PLAN | 14,119 CY |
|----------|-------------------------|-----------|

Change Reference No. 8:

| | | |
|----------|-------------------------|--------|
| ITEM 203 | EMBANKMENT, AS PER PLAN | 392 CY |
|----------|-------------------------|--------|

To Reference No. 8:

| | | |
|----------|-------------------------|--------|
| ITEM 203 | EMBANKMENT, AS PER PLAN | 554 CY |
|----------|-------------------------|--------|

Change Reference No. 72

| | | |
|---------------------|---|-------|
| ITEM Not Referenced | 6 INCH WATER PIPE & FITTINGS WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL | 25 LF |
|---------------------|---|-------|

To Reference No. 72

| | | |
|----------|---------------------------------|--------|
| ITEM 604 | MANHOLE, RECONSTRUCTED TO GRADE | 2 EACH |
|----------|---------------------------------|--------|

SUPPLEMENTAL SPECIFICATIONS

Remove Supplemental Specifications Sheets 72-1 through 72-6 dated July 9, 2014 and replace with Supplemental Specifications Sheets 72-1 through 72-6 dated July 18, 2014.

* * * Beginning of Sheet 2 * * *

Question

The documents state that substantial completion of the roadway is Nov. 21, 2014 and final completion is May 15, 2015. Is it the intent that the connector road is to be open by Nov. 21st and the remainder of the duct bank work can be completed over the winter with final pavement repairs by May 15, 2015? *YES. See WORK SCHEDULE & SUBSTANTIAL COMPLETION Supplemental Specification revision.*

WORK SCHEDULE & SUBSTANTIAL COMPLETION

Substantial Completion for this project is defined as the complete functional use (the road is open to traffic) of areas and infrastructure between stations 307+89.28 to 319+25.09. The substantial completion date for this project is November 21, 2014.

Additional Completion Requirements – Throughout the winter season, the duct bank installation shall proceed on Dale Drive, Tuller Ridge Drive, Tuller Road, in the intersection of SR161 and Dale Drive, and the intersection of Riverside Drive and Tuller Road.

Final Completion for this project is defined as the full functional use of all facilities including plantings, pavement markings, signage, trench restoration, removal of traffic control devices, demobilization from the site, and all punchlist items completed. All Contract work is to be completed by the final completion date identified in the bid documents. The project Final Completion date for this project is May 15, 2015.

Added

PERMIT TO INSTALL - WATERLINE

At the time of this Addendum, the City is awaiting Columbus Division of Water and Ohio Environmental Protection approval for waterline work. The contractor shall anticipate that this work will not be available until September 25, 2014.

Revised

COORDINATING WITH UTILITIES

It is the Contractor's responsibility to coordinate their work with the private utilities as required. The utility owner may be required to brace, temporarily support, or relocate their respective utilities so that the proposed improvements can be constructed.

Utilities are not relocated as of the date and time of the Addendum No. 1. AT&T, Time Warner Cable, and AEP are anticipated to have conflicts. Columbia Gas is determining need for relocation to provide adequate depth of cover but is not anticipated to require lowering.

PRE-BID QUESTIONS & RELATED PLAN CHANGES

(Responses in *italics*)

* * * End of Sheet 2 * * *

*** Beginning of Sheet 3 ***

1. On Sheet 63/74 of the AEP Duct Bank; there is a 15' long run of 17 - 5" conduit. There is no bid item for this run. ***Response: A quantity for this section of conduit has been added to the General Summary – Sheet 25.***
2. On plan Sheet 47, the City of Dublin Water Main Notes specify Class 53 Ductile Iron Pipe for sizes 06" and 12", as are used on this project. The City of Columbus Construction and Materials Specification Section 801.03 specifies Class 52 Ductile Iron Pipe in this size range. Does the City of Dublin plan note trump the City of Columbus Specifications in this case? ***Response: Pipe class and thickness shall be per CMSC 801.03. The notes on Sheet 47 have been revised accordingly.***
3. In the Legend on sheet 3 item #11 includes bracketed text stating "Included with Walk for Pavment". This statement appears to have been erroneously included on this line. Please confirm or provide information as to the meaning. ***Response: This statement has been removed from revised Sheet 3.***
4. On sheet 63 for the AEP duct bank there is a section from 16+46 to manhole E2 that is 17 – 5" conduits; however there is not a line item for 17 – 5" conduits on the bid form. Please add a line item or advise as to how this section will be paid. ***Response: A quantity for this section of conduit has been added to the General Summary – Sheet 25.***
5. Regarding Plan Sheet 52/74, AEP Duct Bank Notes, the contractor is to pay the City of Dublin for their inspection time for trenches within public right-of-ways. What is the hourly rate? ***Response: The Contractor will not be required to pay City of Dublin for inspection. Independent testing of CDF and granular backfill by the Contractor will also not be required. Notes on sheet 52 have been revised accordingly.***
6. Please provide specifications bid line 115, Special, Communications Manhole - 5 each. ***Response: Specifications for Dublin manholes and conduit bank have been added to Sheet 60.***
7. Where is excavation shown for the storm sewer outlet ditch on Sheet 37? And how is it paid for? ***Response: Sheet 37 has been revised to note that earthwork quantities have been carried to Sheet 35. Sheet 35 has been revised to include the earthwork quantities for the ditch. The Excavation, As Per Plan quantity on Sheet 25 has been updated accordingly.***

OTHER PLAN UPDATES/REVISIONS

- A. The Top of Casting elevation for Structure #1 has been revised on Sheet 45.
- B. Earthwork calculations were adjusted on Sheet 39
- C. AEP Duct Bank arrangement has been revised in the cross section Sheet 31.

*** End of Sheet 3 ***

CONTRACT SPECIFICATIONS

All contract specifications in this section are to be considered a part thereof.

WORK SCHEDULE & SUBSTANTIAL COMPLETION

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PERMIT TO INSTALL - WATERLINE

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MAINTENANCE OF TRAFFIC

MOT shall be per the approved plans unless otherwise approved by the City Engineer.

The need for the lane encroachments on SR 161 and Riverside Drive shall not occur without 72 hour notice to the City of Dublin. Coordination with required lane closures on Tuller Ridge Drive as part of 14-014-CIP – John Shields Parkway – Phase 1 will be required.

All traffic lanes shall be fully open to traffic on Dale Drive from 7:00 A. M. to 9:00 A.M., Monday through Friday unless otherwise specified in these plans.

Wedge work shall be completed under one-lane two-way control using flaggers.

All traffic lanes shall be fully open to traffic on Tuller Ridge Drive from 7:00 A.M. to 9:00 A.M., Monday through Friday, unless otherwise specified in these plans.

Phase 3 shall be coordinated with the Central Ohio Transit Authority (COTA).

Phase 3 Work shall not begin until Phase 1 and 2 have been completed and the temporary road is open to traffic.

Phase 4 Work shall not begin until Phase 1 and 2 have been completed and the temporary road is open to traffic.

Phase 5 Work shall not begin until Phase 1 and 2 have been completed and the temporary road is open to traffic.

Closure of Tuller Ridge Drive for Phase 5 work shall be limited to weekends only.

Phase 6 Work shall not begin until Phase 1 and 2 have been completed and the temporary road is open to traffic.

Phase 6A shall only be in place during off peak hours. During peak and non-working hours Tuller Road traffic shall be phased as illustrated in Phase 6 on Plan Sheet 17. For Phase 6 peak hours are defined as 7:00-9:00 A.M. and 4:00 to 6:00 P.M.

All traffic lanes shall be fully open to traffic on Riverside Drive from 6:00 A.M. to 8:00 P.M. during all Phases.

During Phase 6B, the existing traffic signal at Riverside Drive/Tuller Road shall be placed on flash.

During Phase 7, the southbound phase at the Riverside Drive shall be placed on flash or covered.

During all Phases, Emerald Parkway shall be fully open to traffic on Riverside Drive and Emerald Parkway from 6:00 A.M. to 8:00 P.M.

All other notes on plans remain in effect.

ITEM 410 - TRAFFIC COMPACTED SURFACE

The Contractor shall utilize PAY ITEM 410 TRAFFIC COMPACTED SURFACE as directed.

WORKING HOURS

All work in the intersection of the Dale Drive / SR 161 must be performed between the hours of 8 P.M. and 6 A.M. and temporary traffic control measures are to be installed and removed daily. Costs associated with these traffic control measures are to be included in ITEM 614 – MAINTANANCE OF TRAFFIC.

All work in the intersection of the Riverside Drive / Tuller Rd. must be performed between the hours of 8 P.M. and 6 A.M. and temporary traffic control measures are to be installed and removed daily. Costs associated with these traffic control measures are to be included in ITEM 614 – MAINTANANCE OF TRAFFIC.

All other work associated with the project shall be constructed from 7 A.M. to 7 P.M., Monday through Saturday.

The Contractor may request modification to these working hours in writing with appropriate explanation and justification for review by the Program Management Consultant and approval by the City Engineer. Any alteration to the working hours above will be evaluated on a case-by-case basis, and must be made with the best interest of the City and local traffic conditions in mind.

GEOTECHNICAL INFORMATION

The subsurface exploration report for this project is included in the bid documents. Dublin does not guarantee that the conditions outlined in the report are the conditions of this project.

TEST HOLES

The Contractor is encouraged to dig test holes at the project site prior to making their bid to familiarize themselves with site subsurface conditions. The bidder shall take into account any difficulty they perceive in constructing the project due to rock, ground water, weak soils, topsoil, etc.

ITEM 203 – EXCAVATION, AS PER PLAN ITEM 203 – EMBANKMENT, AS PER PLAN

No excavated rock shall be used as embankment material.

All excavation shall be considered as unclassified, including rock.

The contractor shall work with the Program Management Consultant and the City Inspection Staff as necessary to determine the quality of material being stockpiled prior to delivery to the stockpile area identified on Sheet 24. If the contractor utilizes the stockpile area for material not in compliance with ITEM 203 or ITEM 653, the contractor will be required to remove the unapproved material from their stockpile area at their own expense.

It is anticipated that the amount of excavated materials found within this project will not exceed 10,000 C U.YD. The contractor shall include as part of their base bid, removing any excavated material in excess of this quantity offsite.

CONSTRUCTION MATERIALS

No alternates or deviations shall be permitted from those construction materials shown on the plans. Bidders shall not submit alternates with their bid.

INSPECTION

All inspections shall be provided by the City.

COORDINATION

Contractor shall coordinate his work to facilitate work by utilities in the right-of-way and outside of the construction work limits.

PROPOSAL

No extra compensation will be paid to the Contractor by reason of compliance with any of the requirements indicated in the Specifications. Payment shall be deemed to be included among the several items, as bid upon, unless otherwise specifically provided.

CPM SCHEDULING

Critical Path Method (CPM) Schedule (Type B) is included in the bid documents. Contractor shall also be required to supply schedule in Primavera 6.0 or later and coordinate with the City and its Program Management Consultant. Meetings with the Program Management Consultant will be coordinated with established progress meetings. A pay item for Type B – CPM Schedule has been included.

CONSTRUCTION LAYOUT

All construction layout stakes for this project shall be provided by the Contractor. All work shall be performed by and under the guidance of an Ohio Professional Surveyor.

COORDINATING WITH UTILITIES

It is the Contractor's responsibility to coordinate their work with the private utilities as required. The utility owner may be required to brace, temporarily support, or relocate their respective utilities so that the proposed improvements can be constructed.

Utilities are not relocated as of the date and time of the Addendum No. 1. AT&T, Time Warner Cable, and AEP are anticipated to have conflicts. Columbia Gas is determining need for relocation to provide adequate depth of cover but is not anticipated to require lowering.

DEWATERING

The cost of any dewatering operations required for the construction of the sanitary sewers, storm sewers, water mains, culverts, AEP duct systems and vaults, and/or conduits shall be included in the price bid for the various items.

CONDUIT END TREATMENT

Immediately after placement of any conduits, the Contractor shall construct the end treatments required by the plans at both the outlet and inlet ends. This shall include headwalls, flared-end sections, rip-rap, rock channel protection, seeding, etc.

MANHOLES, CATCH BASINS AND INLETS

The contractor will make all final grade adjustments of manhole, catch basin and inlet covers and frame assemblies using injection molded high density polyethylene (HDPE) adjustment rings where practical. These adjustment rings shall be manufactured from polyethylene plastic as identified in ASTM Designation D-1248 (Standard Specification for Polyethylene Plastic Molding and Extrusion Materials). Installation shall be per manufacture's recommendations only. The annular space between the rings and cone basin, the rings, and the rings and cover frame shall be sealed utilizing an approved butyl sealant.

ITEM 625 – POWER SERVICE, AS PER PLAN

Work shall include lighting controller complete in place.

STORAGE OF EQUIPMENT AND MATERIALS

No materials, including pipe, shall be stored within twenty (20) feet of any intersecting street or driveway. During non-working hours, storage of equipment shall comply with these same requirements and shall not in any way relieve the Contractor of their legal responsibilities or liabilities for the safety of the public.

SURVEY MONUMENTATION

The contractor shall carefully preserve bench marks, property corners, reference points, stakes and other survey reference monuments or markers. In cases of willful or careless destruction, the contractor shall be responsible. Resetting of markers shall be performed by an Ohio Professional Surveyor as approved by the City Engineer at the contractor's expense.

CONSTRUCTION NOISE

Any device shall not be operated at any time in such a manner that the noise created substantially exceeds the noise customarily and necessarily attendant to the reasonable and efficient performance of such equipment.

TRAFFIC CONTROL

Permanent signing shall be non-performed. The City will fabricate and install all permanent traffic control signs. Maintenance of Traffic signing shall be performed by the Contractor with the Maintenance of Traffic.

ITEM SPECIAL – EXPANSION MATERIAL

Full depth expansion material one half (1/2) inches thick conforming to ASTM D 1752, Type 1 (recycled rubber expansion material) shall be utilized where new work meets existing walk, curbs or structures. Fibrous type expansion material is not to be used.

BID SCHEDULE

BIDDER agrees to perform all work described in the CONTRACT DOCUMENTS for the following unit prices:

**Dale Drive - Tuller Ridge Drive
Temporary Connector**

CITY OF DUBLIN

| REF NO. | (1) ITEM | (2) DESCRIPTION | (3) QUANT. | (4) UNIT | (5) LABOR (\$) | (6) MATERIAL (\$) | (7) (5)+(6) TOTAL (\$) | (8) (3) x (7) TOTAL EXTENDED INFORMAL PRICE (\$) |
|---------|----------|-------------------------------------|------------|----------|----------------|-------------------|---------------------------|--|
| | | ROADWAY | | | | | | |
| 1 | 201 | CLEARING AND GRUBBING | 1 | LUMP | | | | |
| 2 | 202 | WALK REMOVED | 2,850 | SQ FT | | | | |
| 3 | 202 | PAVEMENT REMOVED (CONCRETE) | 600 | SQ FT | | | | |
| 4 | 202 | CURB AND GUTTER REMOVED | 1,350 | FT | | | | |
| 5 | 202 | CURB AND GUTTER INLET REMOVED | 2 | EACH | | | | |
| 6 | 202 | PIPE REMOVED, 24" AND UNDER | 15 | FT | | | | |
| 7 | 203 | FENCE REMOVED | 425 | FT | | | | |
| 7A | 203 | EXCAVATION, AS PER PLAN | 14,119 | CU YD | | | | |
| 8 | 203 | EMBANKMENT, AS PER PLAN | 554 | CU YD | | | | |
| 9 | 204 | PROOF ROLLING | 4 | HR | | | | |
| 10 | 204 | SUBGRADE COMPACTION | 4,050 | SQ YD | | | | |
| 11 | 204* | EXCAVATION OF SUBGRADE | 600 | CU YD | | | | |
| 12 | 204* | GRANULAR MATERIAL, TYPE B | 600 | CU YD | | | | |
| 13 | 204* | GEOTEXTILE FABRIC, TYPE D | 1,100 | SQ YD | | | | |
| 14 | 608 | CONCRETE WALK, AS PER PLAN (T=4") | 800 | SQ FT | | | | |
| 15 | 608 | DETECTABLE WARNING (PD-03) | 2 | EACH | | | | |
| | | | | | | | <i>ROADWAY SUBTOTAL =</i> | |
| | | EROSION CONTROL | | | | | | |
| 16 | 207 | PERIMETER FILTER FABRIC FENCE | 850 | FT | | | | |
| 17 | 207 | INLET PROTECTION | 12 | EACH | | | | |
| 18 | 207* | CONSTRUCTION SEEDING AND MULCHING | 18,770 | SQ YD | | | | |
| 19 | 653 | TOPSOIL FURNISHED AND PLACED (T=4") | 1,320 | CU YD | | | | |
| 20 | 659 | SEEDING AND MULCHING, AS PER PLAN | 11,860 | SQ YD | | | | |

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|-----------------------------------|----------|--|------------|----------|----------------|-------------------|------------------------|--|
| 21 | 659 | REPAIR SEEDING AND MULCHING, AS PER PLAN | 600 | SQ YD | | | | |
| 22 | 659 | COMMERCIAL FERTILIZER | 1.07 | TON | | | | |
| 23 | 659 | WATER | 65 | M GAL | | | | |
| 24 | 670 | DITCH EROSION PROTECTION MAT, AS PER PLAN | 2,350 | SQ YD | | | | |
| 25 | SPEC | CONCRETE WASHOUT AREA | 1 | LUMP | | | | |
| <i>EROSION CONTROL SUBTOTAL =</i> | | | | | | | | |
| DRAINAGE | | | | | | | | |
| 26 | 601 | ROCK CHANNEL PROTECTION, TYPE B, WITH FILTER FABRIC | 37 | CU YD | | | | |
| 27 | 601 | ROCK CHANNEL PROTECTION, TYPE C, WITH FILTER FABRIC | 1.2 | CU YD | | | | |
| 28 | 602 | ENDWALL FOR 12 INCH PIPE (AA-S169) | 2 | EACH | | | | |
| 29 | 602 | HEADWALL FOR 30 INCH PIPE (AA-S168) | 1 | EACH | | | | |
| 30 | 604 | MANHOLE, TYPE C (AA-S102 WITH ST-03) | 7 | EACH | | | | |
| 31 | 604 | MANHOLE, TYPE C, (AA-S102) WITH GRATED LID | 2 | EACH | | | | |
| 32 | 604 | MANHOLE, TYPE C (AA-S102 WITH ST-03) WITH DIVERSION WEIR | 1 | EACH | | | | |
| 33 | 604 | STANDARD CATCH BASIN (21 INCH AND SMALLER PIPE) (AA-S133A) | 5 | EACH | | | | |
| 34 | 604 | STANDARD CATCH BASIN (24 INCH AND LARGER PIPE) (AA-S133B) | 2 | EACH | | | | |
| 35 | 604 | RECTANGULAR CONCRETE CATCH BASIN 48" INLET (AA-S136) | 1 | EACH | | | | |
| 36 | 605 | 4 INCH PIPE UNDERDRAIN | 2,360 | FT | | | | |
| 37 | 606 | 4 INCH UNCLASSIFIED PIPE UNDERDRAIN | 160 | FT | | | | |
| 38 | 611* | 4 INCH CONDUIT, TYPE F (UNDERDRAIN OUTLETS) | 84 | FT | | | | |
| 39 | 901 | 12 INCH PIPE, 706.02, WITH TYPE 1 BEDDING, WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 583 | FT | | | | |

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|---------|-------------|--|---------------|-------------|----------------------|-------------------------|----------------------------|---|
| 40 | 901 | 18 INCH PIPE, 706.02, WITH TYPE 1 BEDDING, WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 79 | FT | | | | |
| 41 | 901 | 24 INCH PIPE, 706.02, WITH TYPE 1 BEDDING, WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 397 | FT | | | | |
| 42 | 901 | 27 INCH PIPE, 706.02, WITH TYPE 1 BEDDING, WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 27 | FT | | | | |
| 43 | 901 | 30 INCH PIPE, 706.02, WITH TYPE 1 BEDDING, WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 122 | FT | | | | |
| | | | | | | | <i>DRAINAGE SUBTOTAL =</i> | |

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|---------|----------|---|------------|----------|----------------|-------------------|----------------------------|--|
| | | PAVEMENT | | | | | | |
| 44 | 254 | PAVEMENT PLANING (T=1.25 INCHES) | 1,140 | SQ YD | | | | |
| 45 | 259 | PAVEMENT REPLACEMENT, TYPE I | 21 | CU YD | | | | |
| 46 | 301 | ASPHALT CONCRETE BASE | 501 | CU YD | | | | |
| 47 | 301 | ASPHALT CONCRETE BASE (FOR DRIVEWAY) | 15 | CU YD | | | | |
| 48 | 304 | AGGREGATE BASE | 629 | CU YD | | | | |
| 49 | 304 | AGGREGATE BASE (FOR DRIVEWAY) | 32 | CU YD | | | | |
| 50 | 407 | NTSS-1HM TRACKLESS TACK COAT | 280 | GAL | | | | |
| 51 | 407 | NTSS-1HM TRACKLESS TACK COAT (FOR DRIVEWAY) | 13 | GAL | | | | |
| 52 | 407 | NTSS-1HM TRACKLESS TACK COAT FOR INTERMEDIATE COURSE | 210 | GAL | | | | |
| 53 | 407 | NTSS-1HM TRACKLESS TACK COAT FOR INTERMEDIATE COURSE (FOR DRIVEWAY) | 10 | GAL | | | | |
| 54 | 423 | CRACK SEAL | 225 | LB | | | | |
| 55 | 448 | ASPHALT CONCRETE INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22 | 146 | CU YD | | | | |
| 56 | 448 | VARIABLE THICKNESS ASPHALT CONCRETE INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22 | 58 | CU YD | | | | |
| 57 | 448 | ASPHALT CONCRETE INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22 (FOR DRIVEWAY) | 7 | CU YD | | | | |
| 58 | 448 | ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC), PG64-22 | 163 | CU YD | | | | |
| 59 | 448 | ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC), PG64-22 (FOR DRIVEWAY) | 6 | CU YD | | | | |
| 60 | 609 | CURB, STRAIGHT 18 INCH | 150 | FT | | | | |
| | | | | | | | PAVEMENT SUBTOTAL = | |

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|--------------------|----------|--|------------|----------|----------------|-------------------|-------------------------------|--|
| WATER WORKS | | | | | | | | |
| 61 | 801 | 6 INCH WATER PIPE & FITTINGS WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL | 25 | LF | | | | |
| 62 | 801 | 12 INCH WATER PIPE & FITTINGS WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL | 310 | LF | | | | |
| 63 | 801* | CONCRETE BLOCKING CLASS C, INCREASE OR DECREASE | 50 | CU YD | | | | |
| 64 | 801* | DUCTILE IRON FITTINGS, INCREASE OR DECREASE | 50 | LB | | | | |
| 65 | 802 | 6" VALVE AND APPURTENANCES | 1 | EACH | | | | |
| 66 | 802 | 12" VALVE AND APPURTENANCES | 2 | EACH | | | | |
| 67 | 807 | COLUMBUS STANDARD HEAVY DUTY VALVE BOX | 2 | EACH | | | | |
| 68 | 809 | FIRE HYDRANT, TYPE A | 1 | EACH | | | | |
| 69 | 811* | INCREASE OR DECREASE IN EXCAVATION AND BACKFILL | 50 | CU YD | | | | |
| 70 | 816 | 8" WATER SERVICE TAP ABANDONED | 1 | EACH | | | | |
| 71 | SPEC | SURVEY COORDINATES | 1 | LUMP | | | | |
| | | | | | | | WATER WORKS SUBTOTAL = | |
| SANITARY | | | | | | | | |
| 72 | 604 | MANHOLE, RECONSTRUCTED TO GRADE | 2 | EACH | | | | |
| | | | | | | | SANITARY SUBTOTAL = | |

BID SCHEDULE

BIDDER agrees to perform all work described in the CONTRACT DOCUMENTS for the following unit prices:

**Dale Drive - Tuller Ridge Drive
Temporary Connector**

CITY OF DUBLIN

| REF NO. | (1) ITEM | (2) DESCRIPTION | (3) QUANT. | (4) UNIT | (5) LABOR (\$) | (6) MATERIAL (\$) | (7) (5)+(6) TOTAL (\$) | (8) (3) x (7) TOTAL EXTENDED INFORMAL PRICE (\$) |
|------------------------|----------|---|------------|----------|----------------|-------------------|-----------------------------------|--|
| TRAFFIC CONTROL | | | | | | | | |
| 73 | 630+ | GROUND MOUNTED SUPPORT, NO. 3 POST, TYPE S, AS PER PLAN | 98 | LF | | | | |
| 74 | 630+ | 2 1/4" SQUARE ANCHOR POST, AS PER PLAN | 7 | EACH | | | | |
| 75 | 630+ | STREET NAME SIGN SUPPORT, AS PER PLAN | 2 | EACH | | | | |
| 76 | 630+ | STREET NAME SIGN, AS PER PLAN | 6 | EACH | | | | |
| 77 | 630+ | SIGN FLAT SHEET, AS PER PLAN | 65 | SQ FT | | | | |
| 78 | 644* | CENTER LINE, 4 INCH | 0.37 | MILE | | | | |
| 79 | 644* | STOP LINE, 24 INCH | 34 | LF | | | | |
| 80 | 644* | CHANNELIZING LINE, 8" | 40 | LF | | | | |
| 81 | 644* | TRANSVERSE LINE, 24 INCH | 139 | LF | | | | |
| 82 | 644* | LANE ARROW, 72" | 2 | EACH | | | | |
| 83 | 644* | EDGE LINE, 4 INCH | 0.57 | MILE | | | | |
| 84 | 644* | REMOVAL OF PAVEMENT MARKINGS | 33 | LF | | | | |
| | | | | | | | <i>TRAFFIC CONTROL SUBTOTAL =</i> | |
| TRAFFIC SIGNAL | | | | | | | | |
| 85 | 625* | CONDUIT, 2 INCH, 725.05 | 31 | LF | | | | |
| 86 | 625* | TRENCH | 31 | LF | | | | |
| 87 | 625* | PULLBOX, 725.08, 18 INCH | 1 | EACH | | | | |
| 88 | 625* | DETECTOR LOOP | 4 | EACH | | | | |
| 89 | 625* | LOOP DETECTOR LEAD-IN CABLE, 2-CONDUCTOR, NO. 14 AWG | 160 | LF | | | | |
| | | | | | | | <i>TRAFFIC SIGNAL SUBTOTAL =</i> | |

DO NOT BID

BID SCHEDULE

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**Dale Drive - Tuller Ridge Drive
Temporary Connector**

CITY OF DUBLIN

| REF NO. | (1) ITEM | (2) DESCRIPTION | (3) QUANT. | (4) UNIT | (5) LABOR (\$) | (6) MATERIAL (\$) | (7) (5)+(6) TOTAL (\$) | (8) (3) x (7) TOTAL EXTENDED INFORMAL PRICE (\$) |
|---------|----------|---|------------|----------|----------------|-------------------|------------------------|--|
| | | DUCT BANK | | | | | | |
| 90 | 202 | CURB AND GUTTER REMOVED AND REPLACED (FOR DUCT BANK) | 85 | FT | | | | |
| 91 | 259 | PAVEMENT REPLACEMENT, ASPHALT PATH | 5 | SQ YD | | | | |
| 92 | 259 | PAVEMENT REPLACEMENT, CONCRETE WALK | 12 | SQ YD | | | | |
| 93 | 259 | PAVEMENT REPLACEMENT, TYPE I (FOR DUCT BANK) | 1,510 | SQ YD | | | | |
| 94 | SPEC | 2-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 100 | FT | | | | |
| 95 | SPEC | 2-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 425 | FT | | | | |
| 96 | SPEC | 4-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 75 | FT | | | | |
| 97 | SPEC | 4-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 125 | FT | | | | |
| 98 | SPEC | 6-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 400 | FT | | | | |
| 99 | SPEC | 6-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 175 | FT | | | | |
| 100 | SPEC | 9-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 750 | FT | | | | |

BID SCHEDULE

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**Dale Drive - Tuller Ridge Drive
Temporary Connector**

CITY OF DUBLIN

| REF NO. | (1) ITEM | (2) DESCRIPTION | (3) QUANT. | (4) UNIT | (5) LABOR (\$) | (6) MATERIAL (\$) | (7) (5)+(6) TOTAL (\$) | (8) (3) x (7) TOTAL EXTENDED INFORMAL PRICE (\$) |
|---------|----------|---|------------|----------|----------------|-------------------|------------------------|--|
| 101 | SPEC | 9-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 2,898 | FT | | | | |
| 102 | SPEC | 11-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 200 | FT | | | | |
| 103 | SPEC | 13-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 200 | FT | | | | |
| 104 | SPEC | 15-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 225 | FT | | | | |
| 105 | SPEC | 15-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH 912 COMPACTED GRANULAR MATERIAL | 100 | FT | | | | |
| 105A | SPEC | 17-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CONTROLLED DENSITY FILL | 25 | FT | | | | |
| 106 | SPEC | 27-5" PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH 912 COMPACTED GRANULAR MATERIAL | 100 | FT | | | | |
| 107 | SPEC | ELECTRIC MANHOLE, COMPLETE | 10 | EACH | | | | |
| 108 | SPEC | SWITCH GEAR PAD, COMPLETE | 4 | EACH | | | | |
| 109 | SPEC | RISER CONDUITS, COMPLETE | 5 | EACH | | | | |
| 110 | SPEC * | INCREASE OR DECREASE IN EXCAVATION | 246 | CU YD | | | | |

BID SCHEDULE

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**Dale Drive - Tuller Ridge Drive
Temporary Connector**

CITY OF DUBLIN

| REF NO. | (1) ITEM | (2) DESCRIPTION | (3) QUANT. | (4) UNIT | (5) LABOR (\$) | (6) MATERIAL (\$) | (5)+(6) TOTAL (\$) | (8) TOTAL EXTENDED INFORMAL PRICE (\$) (3) x (7) |
|---------|----------|---|------------|----------|----------------|-------------------|-----------------------------|---|
| 111 | SPEC | 1-4" AND 12-1.25" SDR-11 CONDUITS WITH CMSC 912 COMPACTED GRANULAR MATERIAL | 900 | FT | | | | |
| 112 | SPEC | 1-4" AND 12-1.25" SDR-11 CONDUITS WITH CONTROLLED DENSITY FILL | 2,575 | FT | | | | |
| 113 | SPEC | 1-4" AND 12-1.25" SDR-11 CONDUITS HORIZONTALLY DIRECTIONALLY DRILLED | 100 | FT | | | | |
| 114 | SPEC | COMMUNICATIONS MANHOLE, COMPLETE | 5 | EACH | | | | |
| | | | | | | | <i>DUCT BANK SUBTOTAL =</i> | |

BID SCHEDULE

BIDDER agrees to perform all work described in the CONTRACT DOCUMENTS for the following unit prices:

**Dale Drive - Tuller Ridge Drive
Temporary Connector**

CITY OF DUBLIN

| REF NO. | (1) ITEM | (2) DESCRIPTION | (3) QUANT. | (4) UNIT | (5) LABOR (\$) | (6) MATERIAL (\$) | (7) (5)+(6) TOTAL (\$) | (8) (3) x (7) TOTAL EXTENDED INFORMAL PRICE (\$) |
|----------------------|----------|--|------------|----------|----------------|-------------------|---------------------------------|--|
| MISCELLANEOUS | | | | | | | | |
| 115 | 108.03** | TYPE B - CRITICAL PATH METHOD (CPM) SCHEDULE | 1 | LUMP | | | | |
| 116 | 614 | MAINTAINING TRAFFIC, AS PER PLAN | 1 | LUMP | | | | |
| 117 | 623 | CONSTRUCTION LAYOUT STAKES | 1 | LUMP | | | | |
| 118 | 624 | MOBILIZATION | 1 | LUMP | | | | |
| 119 | SPEC | PROOF SURVEY | 1 | LUMP | | | | |
| | | | | | | | <i>MISCELLANEOUS SUBTOTAL =</i> | |

* DENOTES ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS (2013 EDITION).
 ** DENOTES CITY OF DUBLIN GENERAL CONDITIONS SECTION 100.
 + DENOTES ITEM TO BE FURNISHED AND INSTALLED BY CITY OF DUBLIN; ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS (2013)
 ALL OTHER ITEMS REFERENCE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (2012 EDITION.)

GRAND TOTAL =

TOTAL BID FOR PROJECT: _____
SUBMITTED BY: _____
(COMPANY) _____