

FRANKLIN COUNTY, OHIO **OFFICE OF THE COUNTY ENGINEER COOK TRI-COUNTY DITCH DRAINAGE IMPROVEMENT PROJECT**

FRANKLIN COUNTY

PLAIN TWP. **DELAWARE COUNTY** HARLEM TWP. **LICKING COUNTY** MONROE TWP.

INDEX OF SHEETS

TITLE SHEET SCHEMATIC PLAN. TYPICAL SECTIONS. GENERAL NOTES PROFILES. CROSS SECTIONS - DITCH A. CROSS SECTIONS - FANCHER RD. . 22–28 MISCELLANEOUS DETAILS



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STANDARD	CONSTRUCTION	SUPPLEMENTAL		SPECIAL	
ODOT			SPEC	IFICATIONS	PROVISIONS
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MH-1.2	NRCS 410	COC 1441	832	10-19-18	SECTION 100
HW-2.1	NRCS 606				GEN. PROVISIONS
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PROJECT DESCRIPTION I involve the construction of closed storm sewer the installation of drain tile, the removal of ile and ditch rehabilitation.	S WORK ID
SPECIFICATIONS	SERVICE
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w signify only concurrence with the general purpose and of the project. All technical details remain the the engineer preparing the plans.	- -
plans and declare that the making of this improvement the closing to traffic of the highway and that provisions bance and safety of traffic will be as set forth in the bates.	503
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SPECIFICATIONS

The 2019 Construction and Material Specifications of the State of Ohio, Department of Transportation, including changes and Supplemental Specifications listed in the proposal, shall govern this improvement. except where noted otherwise.

WORK LIMITS

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The work limits shown on these plans are for physical construction only. Provide the installation and operation of all work zone traffic control and work zone traffic control devices required by these plans whether inside or outside these work limits.

HOURS OF OPERATION

Contractor's work hours shall be limited to 7:00 A.M. to 7:00 P.M. Monday through Saturday, unless permission is granted by the Engineer in writing. The Contractor shall be required to adhere to all local noise ordinances.

PRECONSTRUCTION MEETING AND EEO-PREVAILING WAGE SESSION

The contractor shall meet for a preconstruction meeting scheduled by the County as per Franklin County General Provision 108.02. An EEO-prevailing wage session will be held in conjunction with the general preconstruction meeting discussion of contract documents, affected third party concerns, schedule, proposed subcontractors-suppliers submittals, and possible pre-award safety meeting etc. Prevailing wage coordinator Raelynn McCown 614-525-2438.

STORM SEWER. WATERLINE & SANITARY SEWER BACKFILL

Trench backfill under all pavements (roadways, driveways, and sidewalks) and under influence lines of said pavements shall be Item 304 or Low Strength Mortar Backfill (LSMB). Recycled 304 may be used as per ODOT CMS 703.11 where permissible for trench backfill only; recycled material cannot be used as 304 Aggregate Base. LSMB shall follow the mix proportioning in ODOT CMS 613.03 Type III. All pipe to be subject to 611 performance inspection.

Backfill shall be placed as follows:

The minimum trench width shall be 3' to allow room for mechanical compaction equipment: hoe tamps, jumping jacks, etc.

Provide compaction equipment that compacts the material under the haunch of the pipe. Use shovel slicing and spud bars in conjunction with the compaction operations to compact the material and to manipulate the material under the haunch of the pipe.

Item 304 shall be used as the granular material and shall extend up to the bottom of the roadway subgrade. Except as noted below.

Where the new storm sewer, waterline, or sanitary sewer crosses under an existing utility line, No. 57 Stone or LSMB shall be used vertically from the bottom of the new trench to 6" above the top of the existing utility and horizontally 5' on each side of the existing utility (10' total).

The granular backfill shall be placed and compacted in lifts not to exceed 8" for 304 and 24" for No. 57 Stone.

Watering devices shall be onsite and used on 304 that has moisture content below optimum, as directed by the backfill inspector.

For trenches deeper than 10' use LSMB in the bottom of the trench to a point such that the compacted granular backfill the rest of the way up is no deeper than 10'.

All costs for ITEM 304. NO. 57 STONE, and LSMB backfill shall be included in the unit bid prices of the associated pipe.

EXPOSE NOTE

Where plans provide for a proposed conduit, storm sewer, waterline, or other construction to cross over or under an existing sewer or underground utility, the contractor shall locate the existing pipes or utilities both as to line and grade before starting to lay the proposed conduit, storm sewer, waterline, or other construction. If it is determined that the existing conduit or existing appurtenance to be connected differs from the plan elevation or results in a change in the planned work, the engineer shall be notified before starting construction of any portion of the proposed work which will be affected by the variance in the existing elevations. Payment for all the operations described above shall be included in the contract price for the pertinent items.

OVERNIGHT TRENCH CLOSING

Should work require that trenches remain open during non-work hours, the contractor shall use stone Payment for ITEM 653, TOPSOIL FURNISHED AND PLACED, AS PER PLAN, shall be the unit price bid per cubic wedges and PCB per SCD MT-101.90 and MT 101.70 accordingly. When the pavement is removed and yard 6" depth, and shall include any necessary excavation to place the topsoil and any incidentals necessary to the contractor is unable to complete the required replacement in time for it to be opened to traffic as complete the work. This material shall be pulverized topsoil meeting ODOT CMS 653.02 and manufactured at a indicated in the specifications, the excavation shall be filled with a bituminous patch material with a processing plant. Onsite processing operations will not be allowed. Topsoil Furnished and Placed shall be durable surface or properly plated (as per City of Columbus standard drawing 1441, sheet 7). The measured by the number of cubic yards furnished after compaction. contractor will be required to maintain these patches while they are in service. The cost of placing, maintaining, removing and disposing of the temporary patches or plates will be at the contractor's ITEM 659 SEEDING AND MULCHING. AS PER PLAN and ITEM 659 WATER. AS PER PLAN expense.

SAFETY REQUIREMENTS AND RESPONSIBILITIES

The contractor is responsible for ensuring that all work under this contract meets or exceeds the Occupational Safety & Health Administration (OSHA) standards in addition to complying with the recognized best practice within the construction industry.

1.0 Certification Requirements

The manufacturer of safety systems (shoring, protective systems, fall protection) or a professional engineer (PE) must certify that the design of major or critical facilities, equipment, support structures, or systems, embankments, shoring systems, and formwork (false work) is structurally suitable for the intended use. This certification must be in writing and submitted to the FCEO Project Manager before construction or use of such facilities, equipment, or support systems.

2.0 Required Safety Programs and MSDS Submittals

The contractor must submit a comprehensive written safety program covering all aspects of onsite and applicable offsite operations and activities associated with the contract. In addition, the contractor shall submit Material Safety Data Sheets (MSDS) prior to bringing chemicals on site. The Contractor Written Safety Program will be used to evaluate compliance and ensure that the contractor has a program in place to deal with all safety and health related requirements. The contractor is fully responsible for its content and implementation. Onsite work must not begin until the FCEO Project Manager has received the program or appropriate supplementary submittals. The submission of the program in no ways relieves the contractor of the responsibility for providing employees with a safe and healthful work environment or compliance with OSHA standards.

3.0 Required Safety Meetings

3.1 Pre-Construction Safety Program Review

The contractor shall submit the Written Safety Program for review at a Pre-Construction Meeting prior to starting any site activities. The contractor must be prepared to discuss in detail the procedures to control the hazards likely to happen during major phases of the work, and the organizational assignments involved in administering the safety program.

3.2 Progress Meeting Safety

The FCEO Project Manager, the contractor's principal onsite representative, and designated members of respective staffs responsible for safety will review site safety concerns at the Progress Meetings. The safety segment of the meeting will review the contractor's safety effort, resolve health and safety problems relating to current operations, and provide a forum for planning safe future activities.

4.0 Safety and Health Responsibility

The contractor must designate, in writing, a Safety Coordinator to administer the safety program on site and who has supervisory authority over the general contractor, subcontractors, and suppliers. This person shall have responsibility of site safety and worker health, and shall have the authority to correct deficiencies and stop work, if necessary, until deficiencies are corrected.

5.0 Accident and Incident Investigating and Reporting

The contractor's Safety Coordinator shall report all injury accidents and incidents to the FCEO Project Manager as they occur. If a death or injury involving a serious medical condition occurs, the incident shall be reported to the FCEO Project Manager and next of kin within 30 minutes by the contractor's Safety Coordinator. Results of accident investigations and corrective actions shall be provided to FCEO Project Manager as soon as practical following the investigation.

6.0 Safety Orientation.

The contractor must give employees training containing pertinent provisions of the site safety and health program. Additionally, all sub-contractor and their employees are required to have training before working on the site. The contractor is responsible for the content of the training and shall make available the training for FCEO review.

7.0 Refusal to Comply With Occupational Safety and Health Requirements The contractor must remove employees who refuse or repeatedly fail to comply with safe work practices and standards, or supervisors who fail to enforce compliance, from the associated work assignments.

ITEM 653, TOPSOIL FURNISHED & PLACED, AS PER PLAN

Contractor to separate topsoil during excavation. Contractor to place topsoil as final lift during backfill procedure. Contractor to have rockhound / soil condition ran over before topsoil and/or seeding and mulching is placed.

The Contractor shall maintain all seeded areas until the Engineer accepts a vigorous grass grown area. This includes protection of the area from wind and fire. The areas shall be watered every other day (rain or shine) for three weeks after seeding. Work for eroded areas due to no fault of the Contractor shall be performed as stated in the ODOT-CMS SECTION 659. No payment shall be made for ITEM 659, SEEDING AND MULCHING, AS PER PLAN unless all the watering applications specified herein are made and until the grass exhibits a vigorous growth. Only when all of the above criteria are met, will payment be made for ITEM 659, SEEDING AND MULCHING, AS PER PLAN. All watering costs to be paid under the ITEM 659, WATER, AS PER PLAN.

Seed certification of grass the botanical and common purity, germination, and we National Turfgrass Evaluation or higher should be used f Kentucky Blue Grass and a

Grass seed must be fresh, Technology" rules for testing

Seed species shall be as fo pure seed, and not more th less than 85 percent. The

An example of a proprietar

A. ~40% Jamboree Tui

- B. ~35% Essential Turf C. ~12.5% Katie Kentu
- D. ~12.5% All* Star 3

All proprietary cultivar turfa mulching takes place.

Contractor to run a rockho

SEEDING. Sow seed at a to seed lightly into top 1/8 ir

HYDRO-MULCHING. The use may be used only if straw at no additional cost to the the hydro-mulch at his/hei

TURE MAINTENANCE. Maintair replanting to establish healt remulch to produce a unifo used in the original installa

Mow turfgrass seed mix are maintain specified height wi to 3 inches.

DRAINAGE CONNECTIONS

All conduits paid for under below.

All drains, which are encou Existing drains which are lo be replaced within construc the existing conduit.

Existing collectors and isola ditches, shall be outletted elevation shall be 12" abov

All lateral connections outsi pipe material (N-12).

The location, type, size and shall be made on final med

Tie-ins to existing conduits Engineer. All conduits shall and cutting into curb or dr item.

Erosion control pads and a Standard Construction Draw for the erosion control pad items.

The following estimated qua

Necessary bends, branches The Contractor shall not or

Contractor to provide north size of pipe. Price to be in

seed shall be provided by seed vendor for each grass—seed mixture stating name, percentage by weight of each species and variety; and percentage of ed seed. Include the year of production and date of packaging. Furnish n Program (NTEP) data for each species to be used. A NTEP score of 6.0 for all turf tall fescue, a NTEP score of 5.8 or higher should be used for all NTEP score of 6.0 or higher should be used for Perennial Rye Grass.	CALCULATED	CHECKED
clean, dry, new—crop seed complying with the A.O.S.A. "Journal of Seed g seeds for purity and germination tolerances. Collows, with not less than 90 percent germination, not less than 90 percent than 0.5 percent weed seed. for Kentucky Blue Grass a germination of, not		
seed used should be a proprietary cultivar of a turf seed producer. ry cultivar turfgrass seed mix proportioned by weight:		
rf Tall Fescue f Tall Fescue icky Blue Perennial Rye		
rass seed mixes shall be approved by the Engineer before seeding and		
und / soil on any native soil prior to seeding.		
otal rate of 7–9 lb. / 1,000 s.f. with a spreader or seeding machine. Rake nch of soil, roll lightly, and water with fine spray.		
of hydro—mulch (seeding, fertilizer, mulch, and water together) applications is applied on top of the hydro—mulch at the rate as per ODOT—CMS 659 e County. The contractor is totally responsible to ensure vigorous growth of r own expense.		<i>(</i>)
n and establish turf by watering, fertilizing, weeding, mowing, trimming, and thy, viable turf. Roll, regrade, and replant bare or eroded areas and ormly smooth turf. Provide the same materials and installation as those tion.		VOTES
eas as soon as top growth is tall enough to cut. REPEAT Mowing to ithout cutting more than 1/3 of grass height. Mow areas to a height of 2		RAL
this item shall be considered and bid as an "As Per Plan" item. See note intered during construction, shall be provided with unobstructed outlets. located below the roadway ditch elevation, and which cross the roadway, shall tion limits using Item 611 Conduit, Type B, one commercial size larger than ated farm drains, which are encountered above the elevation of roadway into the roadway ditch by Item 611 Type C Conduit. The optimum outlet the flow line elevation of the ditch.		GEN
ide the road ROW should be performed under NRCS 606 using ODOT 707.33		
l grade of replacements shall be determined by the Engineer and payment asurements.		
shall use a rubber boot connection and hardware as approved by the I be Schedule 40 Polyvinyl Chloride Plastic Pipe (PVC). Blind tap connections rainage structures shall be included in the linear foot price bid for each		
nimal guards shall be provided at the outlet end of all drains as per ing DM—1.1M, except when they outlet into a drainage structure. Payment 's and animal guards shall be included for payment in the pertinent conduit		
intities have been included in the General Summary for the work noted above		
JIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT JIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT JIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT JIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT JIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT JIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 50 LIN FT		-
and rubber boot connectors shall be included in the price bid for each item. der any of the above materials unless approved by the Engineer.		
ing and easting for all tie—ins to the new main. Will also denote type and ncluded in the price bid with the associated LF of item used.		DITCH
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Destruction of Clay or Non-reinforced Concrete Subsurface Drain: Excavate soil material from the ground surface to the top of the subsurface drain separating topsoil material from subsoil material. Collapse the clay subsurface drain within the existing trench. Replace the soil material into the trench.

Payment for the destruction of clay subsurface drain shall be per lineal foot.

All clay tile debris remaining on the ground surface following tile destruction and exceeding 2" in size in any dimension shall be removed from the site.

This work consists of leaving specified lengths in place and constructing masonry bulkheads or placing precast stoppers and filling the pipe's internal void. The fill material shall be controlled density fill mix. Payment for Pipe to be Abandoned shall be per lineal foot.

steel.

Posts shall be set per the first paragraph of 606.03, and shall in no instance be encased in concrete.

Support hardware shall accommodate either a single or a double mailbox installation, and no more than two boxes may be mounted on a single post.

The mailbox shall be securely and neatly attached by the contractor to the support. The contractor shall furnish all necessary attachment hardware (nuts, bolts, plates, spacers, and washers) as necessary to accommodate the complete installation.

movement of any mailbox to a new location. Payment under this item shall be limited to final permanent installations. Temporary installations shall be in accordance with 107.10. However, the same material and size limitations as for permanent installations shall apply.

UTILITIES

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The identity and location of existing un construction area have been shown an provided by the respective utility owner	nderground utilities located in and around the nd labeled on the plans by using information rs. The county and the consulting engineer will not
assume responsibility for the accuracy as shown on the plan.	of location or depth of existing underground utilities
Support and protection of all utilities of contractor. Costs for the repair and contractor shall be the responsibility of locating all service laterals and lines. responsibilities shall be included in the	and appurtenances shall be the responsibility of the restoration of existing utilities damaged by the f the contractor. The contractor is responsible for Costs associated with the above work and e price bid for various items.
Prior to excavation, the contractor sho Protection Service (OUPS) by calling (a also be given to the owners of underg members of a registered underground	all give a 48—hour notice to the Ohio Utilities 800) 362—2764 and 811. A 48—hour notice shall ground utilities shown on the plans who are not protection service.
Listed below are utility companies that project and subscribe to OUPS.	have facilities located within the work limits of this
COLUMBIA GAS MIKE SUCHARSKI 3350 JOHNNY APPLESEED CT. COLUMBUS, OH 43231 OFFICE: 614-818-2104 CUSTOMER SERVICE: 800-344-4077 DAMAGE PREVENTION: 866-632-6243 AMERICAN ELECTRIC POWER ROD SLONEKER 850 TECH CENTER DRIVE GAHANNA, OH 43230 614-833-6817 SOLUTION CENTER: 800-277-2177 ASPIRE ENERGY ANTHONY DEGIDIO 300 TRACY BRIDGE ROAD ORVILLE, OH 44667	AT&T 111 NORTH 4TH STREET COLUMBUS, OH 43215 OFFICE: 614–223–5316 REPAIR SERVICE: 888–611–4466 PROMPT #1 THEN #5 SPECTRUM RAY MAURER 3760 INTERCHANGE ROAD COLUMBUS, OH 43204 614–481–5262 CENTURY LINK 1–800–244–1111 NATIONAL GAS AND ELECTRIC 749–348–2641
330–439–8508 CONSOLIDATED ELECTRIC 4993 S.R. 521 DELAWARE, OH 43015 740–363–2641 LICKING RURAL ELECTRIC 1500 GRANVILLE ROAD NEWARK, OH 43055	STORM SEWER FRANKLIN COUNTY ENGINEER STEVE BUSKIRK 970 DUBLIN ROAD COLUMBUS, OH 43215 614–525–3063

ITEM SPECIAL, HYDRO-EXCAVATING UTILITY EXPOSURE

740-348-1288

The Contractor shall expose utilities as directed by the Engineer utilizing Hydro-Excavating methods. The unit price bid for this pay item shall include all costs for labor, equipment, backfill of the exposure holes utilizing Flowable Controlled Density Fill as per Columbus 2012 CMS 613.04 Type I or Type III, and any incidentals necessary to complete the work.

This is a special pay item to be used as directed by the Engineer and not to be used for usual utility exposures associated with OUPS tickets and general construction of the project. Costs to expose utilities associated with OUPS tickets and general construction of the project shall be included in the unit bid prices for the items of work affected. The Contractor is reminded to keep his/her OUPS ticket updated according to industry practices.

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SUBSURFACE DRAIN DESTRUCTION & REMOVAL SUPPLEMENTAL TO ODOT #202

Should there be any discrepancy discovered between the intentions of these specifications and any other specification prepared for this Contract, the Engineer shall be the deciding authority, and his decision shall be final. The right is reserved by the Engineer to correct any error or omissions in the plans or specifications. The Contractor shall be paid for extra work on unit bid price. The right is also reserved for non-performance and shall be deducted from the contract at unit price.

Removal of Clay Tile Debris from Site:

Removal of clay tile debris shall be considered incidental to payment for destruction of clay subsurface drain.

ITEM 202, SPECIAL - FILL AND PLUG EXISTING CONDUIT

ITEM 690, SPECIAL - MAILBOX REMOVED AND RESET

This work shall consist of removal and replacement of mailbox and supports. Due care shall be exercised in such an operation, and the contractor shall be responsible for repairing or replacing any box damaged by improper handling on his part, as judged and directed by the engineer. Any damaged mailbox or post shall be replaced as follows:

Wood posts shall be nominal 4 inches by 4 inches square or 4.5 inches diameter round, and conform to 710.14.

Steel posts shall be nominal pipe size 2 inches i.d., and conform to AASHTO M 181.

All hardware including but not limited to plates, screws, bolts, and etc. shall be commercial-grade galvanized

The contractor shall be responsible for coordinating with the local post master regarding the timing of the

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23.3 26 C.Y. ENDEMNMENT STATUS	203	100	<i>C.Y.</i>	EXCAVATION (USED AS DIRECTED BY ENGINEER)			
203 C.Y. EMBANKANI (USU / STORE (USD AS DIRECTED BY ENGINEER) 203 SO C.Y. EMBANKANI / STORE (USD AS DIRECTED BY ENGINEER) 203 SO C.Y. ENGANKENT (JSJ / STORE (USD AS DIRECTED BY ENGINEER) 203 SO C.Y. ENGANKENT (JSJ / STORE (USD AS DIRECTED BY ENGINEER) 203 SO C.Y. ENGINEER/ 203 SO C.Y. ENGINE CONTROL SO C.Y. ENGINE CONTROL	203	26	C.Y.	EMBANKMENT			
Display C.T. Externational of get Solution (Cost D As Directed BY Ensineer) 203 50 C.Y. Externational of get Solution (Cost D As Directed BY Ensineer) 653 186 C.Y. TorSolut FURNSHED AND FLACED. AS DIRECTED BY ENSINEER 653 186 C.Y. TorSolut FURNSHED AND FLACED. AS DIRECTED BY ENSINEER 659 9 EACH SPECIL ANABOX FEMORYED AND FLACED. AS DIRECTED BY 651 8.0 C.Y. ROCK OrdANNEL FPOTECTION INTPE C WITH FARIC FULTER 659 1.32 S.Y. SEEDING AND MULCHED, AS PER PLAN 659 1.32 S.Y. SEEDING AND MULCHED, AS DIRECTED BY ENGINEER) 659 1.32 S.Y. SEEDING AND MULCHER, TYPE 3 CORONN VETCH) 832 100000 EACH EROSION CONTROL USED AS DIRECTED BY ENGINEER) 601 1 EACH TYPE APROMANE TYPE 3 CORONNE NRCS 606 11 EACH TYPE APROMANE TYPE 3 CONON 111 127 CONDUIT, TYPE 0, 706.02 TI TI S' CONDUIT, TYPE 0, 707.33 611 480 <t< td=""><td>203</td><td>100</td><td>C.Y.</td><td>EMBANKMENT (USED AS DIRECTED BY ENGINEER)</td><td></td><td></td><td></td></t<>	203	100	C.Y.	EMBANKMENT (USED AS DIRECTED BY ENGINEER)			
Diff Other Diff Diff< Diff Diff Diff Diff Diff Diff Diff< Diff Diff< Diff< Diff< Diff< Diff< Diff< Diff< Diff< <thdiff< th=""> <thdiff< th=""> <thdiff< th=""></thdiff<></thdiff<></thdiff<>	203	50	C.T.	EMBANKMENT #2 STONE (USED AS DIRECTED BT ENGINEER)			
B00 D CALH SPECIAL MAILEDX REMOVED AND RESET SPEC 10 EACH MYDRO EXAMINE UTURY EXPOSURE USE SPECIAL SPECIAL MYDRO EXAMINE EXPOSURE USE SPECIAL MYDRO EXAMINE FROSION CONTROL SPECIAL MYDRO SPECIAL SPECIAL SPECIAL <td>653</td> <td>186</td> <td>C.Y.</td> <td>TOPSOIL FURNISHED AND PLACED. AS PER PLAN</td> <td></td> <td></td> <td></td>	653	186	C.Y.	TOPSOIL FURNISHED AND PLACED. AS PER PLAN			
SPEC 10 EACH BY ENGINEER HYDRO EXCAUNTING UTUTY EXPOSURE (USED AS DIRECTED BY ENGINEER) SUBJECT SPEC 10 EACH BY ENGINEER EROSION CONTROL EROSION CONTROL 601 8.0 C.Y. ROCK CHANNEL PROTECTION, TYPE C. WITH FABRIC FILTER 659 EROSION CONTROL EROSION CONTROL 659 1132 S.Y. SEEDING AND MULCHED, AS PER PLAN DRAIMORE ENGINEER ENGINEER 659 1132 S.Y. SEEDING AND MULCHED, AS PER PLAN DRAIMORE ENGINEER ENGINEER 659 1132 S.Y. SEEDING AND MULCHED, AS DIRECTED BY ENGINEER ENGINEER ENGINEER ENGINEER 70000 FACH REPOSIDE TABLIZATION STRUCTURE DRAIMORE ENGINEER ENGINEER ENGINEER 70000 FACH TILE MANN BREATHER USED AS DIRECTED BY ENGINEER ENGINEER ENGINEER 70000 FACH TILE MANN BREATHER ENGINEER ENGINEER ENGINEER 7011 137 FT. 18° CONDUIT, TYPE 0, 707.33 TYPE S. ENGINEER ENGINEER	690	9	EACH	SPECIAL - MAILBOX REMOVED AND RESET			
Image: Second	SPEC	10	EACH	HYDRO EXCAVATING UTILITY EXPOSURE (USED AS DIRECTED BY ENGINEER)			-IES
601 8.0 C.Y. ROCK CHANNEL PROTECTION, TYPE C WITH FABRIC FILTER 653 5005 S.Y. SEEDING AND MULCHED, AS PER PLAN 659 132 S.Y. SEEDING AND MULCHUNG, TYPE C (WITH FABRIC FILTER 659 27 M.CAL. WATER, AS PER PLAN 832 10000 EACH EROSION CONTROL (USED AS DIRECTED BY ENGINEER) NRCS 400 2688 FT. 24" HOPE DRAIN TILE DRAMAGE NRCS 606 10 EACH TILE MAIN BREATHER USED AS DIRECTED BY ENGINEER) NRCS 606 10 EACH TILE MAIN BREATHER USED AS DIRECTED BY ENGINEER) 611 187 FT. 12" CONDUIT, TYPE D, 706.02 611 611 130 FT. 18" CONDUIT, TYPE D, 706.02 611 611 139 FT. 18" CONDUIT, TYPE D, 706.02 611 611 130 FT. 18" CONDUIT, TYPE D, 706.02 611 611 130 FT. 18" CONDUIT, TYPE D, 706.02 611 611 50 FT. 24" CONDUIT, TYPE B, 707.33<				EROSION CONTROL		С Ш С	
659 5005 S.Y. SEEDING AND MULCHED, AS PER PLAN 659 1132 S.Y. SEEDING AND MULCHING, TYPE 3C (CROWN VETCH) 659 27 MGAL, WARE, AS PER PLAN DRAINAGE 832 10000 EACH EROSION CONTROL (USED AS DIRECTED BY ENGINEER) NCS 410 1 EACH GRADE STABIL/ZATION STRUCTURE DRAINAGE NRCS 606 2688 FT. 24" HOPE ORAIN TILE MRCS 606 DEACH TILE MAIN BREATHER USED AS DIRECTED BY ENGINEER) 802 0.46 C.Y. CONCRETE MASONRY GOILT, TYPE C PERFORATED (707.33, TYPE SP) FT. 18" CONDUT, TYPE C, 707.33 FT. 18" CONDUT, TYPE C, 707.33 FT. 18" CONDUT, TYPE B, 707.33 FT. 18" CONDUT, TYPE C, 707.33 FT. 24" CONDUT, TYPE C, 707.33 FT. FT. 4" CONDUT, TYPE C, 707.33 FT. FT. 4" CONDUT, TYPE C, 707.33 FT. FT. 4" CONDUT, TYPE C, SCHEDULE 40 P	601	8.0	<i>C.Y.</i>	ROCK CHANNEL PROTECTION, TYPE C WITH FABRIC FILTER		F	V
659 1132 S.Y. SEEDING AND MULCHING, TYPE 3C (CROWN VETCH) 659 27 M.GAL. WATER, AS PER PLAN 832 100000 EACH EROSION CONTROL (USED AS DIRECTED BY ENGINEER) 832 100000 EACH EROSION CONTROL (USED AS DIRECTED BY ENGINEER) NRCS 410 1 EACH GRADE STABILIZATION STRUCTURE NRCS 606 11 EACH TILE MAIN BREATHER NRCS 606 10 EACH TILE MAIN BREATHER NRCS 606 10 EACH TILE MAIN BREATHER NRCS 606 10 EACH TILE MAIN BREATHER NRCS 606 11 EACH TILE MAIN BREATHER NRCS 606 10 EACH TILE MAIN BREATHER NRCS 606 10 EACH TILE MAIN BREATHER 11 187 CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 6111 130 FT. 18" CONDUIT, TYPE D, 706.02 6111 38 FT. 18" CONDUIT, TYPE C, 707.33 6111 48 FT. 24" CON	659	5005	<i>S.Y</i> .	SEEDING AND MULCHED, AS PER PLAN			5
659 27 M.G.AL. WATER, AS PER PLAN 832 10000 EACH EROSION CONTROL (USED AS DIRECTED BY ENGINEER) NRC5 DAMAGE NRC5 G60 266 266 NRC5 660 2668 FT. 24" HOPE DRAIN TILE DRAMAGE NRC5 606 10 EACH TILE MAN BREATHER DRAMAGE NRC5 606 10 EACH TILE MAN BREATHER DIRECTED BY ENGINEER) 602 0.46 C.Y. CONDUT, TYPE D, 706.02 DIRECTED BY ENGINEER) 611 187 FT. 15" CONDUT, TYPE D, 706.02 DIRECTED BY ENGINEER) 611 130 FT. 15" CONDUT, TYPE D, 706.02 DIRECTED BY ENGINEER) 611 38 FT. 18" CONDUT, TYPE D, 706.02 DIRECTED BY ENGINEER) 611 38 FT. 18" CONDUT, TYPE D, 707.33 DIRECTED BY ENGINEER) 611 38 FT. 24" CONDUT, TYPE B, 707.33 DIRECTED BY ENAL 611 50 FT. <th< td=""><td>659</td><td>1132</td><td><i>S.Y</i>.</td><td>SEEDING AND MULCHING, TYPE 3C (CROWN VETCH)</td><td></td><td></td><td>Ø</td></th<>	659	1132	<i>S.Y</i> .	SEEDING AND MULCHING, TYPE 3C (CROWN VETCH)			Ø
832 10000 EACH ERDISION CONTROL (USED AS DIRECTED BY ENGINEER) 0 DRAINAGE NRCS 410 1 EACH GRADE STABILIZATION STRUCTURE NRCS 606 11 EACH TILE DRAINAGE NRCS 606 10 EACH TILE DRAIN DRAINER NRCS 606 10 EACH TILE MAIN BREATHER (USED AS DIRECTED BY ENGINEER) 602 0.46 C.Y. CONCRETE MASONRY EACH TILE MAIN BREATHER 611 127 CONDUIT, TYPE D, 706.02 FI 12" CONDUIT, TYPE D, 706.02 FI 6111 28 FT. 18" CONDUIT, TYPE B, 707.33 FI	659	27	M.GAL.	WATER, AS PER PLAN			Ц
DRAINAGE NRCS 410 I EACH GRADE STABILIZATION STRUCTURE NRCS 606 2688 FT. 24" HOPE DRAIN TILE NRCS 606 10 EACH TILE MAIN BREATHER NRCS 606 10 EACH TILE MAIN BREATHER NRCS 606 10 EACH TILE MAIN BREATHER (USED AS DIRECTED BY ENGINEER) NRCS 606 10 EACH TILE MAIN BREATHER (USED AS DIRECTED BY ENGINEER) NRCS 606 10 EACH TILE MAIN BREATHER (USED AS DIRECTED BY ENGINEER) NRCS 606 10 EACH TILE MAIN BREATHER USED AS DIRECTED BY ENGINEER) NRCS 606 10 EACH TILE MAIN BREATHER USED AS DIRECTED BY ENGINEER) NRCS 606 11 EACH TILE MAIN BREATHER USED AS DIRECTED BY ENGINEER) NRCS 606 11 TILE TILE NRCS 611 120 FT. 12" CONDUIT, TYPE D, 706.02 111 130 FT. 18" CONDUIT, TYPE B, 707.33 111 135 FT. 24" CONDUIT, TYPE B, 707.33 111 155 FT. 24" CONDUIT, TYPE C, PERFORATED (707.33, TYPE SP) 1611 1611 150 FT. 24"	832	10000	EACH	EROSION CONTROL (USED AS DIRECTED BY ENGINEER)		R	
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NRCS 606 2688 FT. 24" HOPE DRAIN TILE NRCS 606 11 EACH TILE MAIN BREATHER NRCS 606 10 EACH TILE MAIN BREATHER 602 0.46 C.Y. CONCRETE MASONRY 611 187 FT. 8" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 120 FT. 12" CONDUIT, TYPE D, 706.02 611 130 FT. 15" CONDUIT, TYPE D, 706.02 611 38 FT. 18" CONDUIT, TYPE B, 707.33 611 38 FT. 18" CONDUIT, TYPE B, 707.33 611 135 FT. 24" CONDUIT, TYPE B, 707.33 611 148 FT. 24" CONDUIT, TYPE C, 707.33 611 148 FT. 24" CONDUIT, TYPE C, 707.33 611 14 EACH MANHOLE, NO. 3 6111 50 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 6111 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 6111 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 6111 50 FT. 8" CO	NRCS 410	1	EACH	GRADE STABILIZATION STRUCTURE		Ш	Ā
NRCS 606 11 EACH IILE MAIN BREATHER (USED AS DIRECTED BY ENGINEER) 602 0.46 C.Y. CONCRETE MASONRY 611 187 FT. 8" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 130 FT. 12" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 130 FT. 12" CONDUIT, TYPE D, 706.02 6111 130 FT. 18" CONDUIT, TYPE A, 707.33 6111 39 FT. 18" CONDUIT, TYPE B, 707.33 6111 39 FT. 18" CONDUIT, TYPE B, 707.33 6111 135 FT. 24" CONDUIT, TYPE C, 707.33 6111 15 FT. 24" CONDUIT, TYPE C, 707.33 6111 10 EACH INLET FRAME AND GRATE, AS PER PLAN 6111 50 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 6111 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 6111 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 6111 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 6111 50 FT. 8" CO	NRCS 606	2688	FT.	24" HDPE DRAIN TILE		U	2
Inite Mile Main Submitter (USD / S Directed D) Ensingery 602 0.46 C.Y. CONCRETE MASONRY 611 187 FT. 8" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 4289 FT. 12" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 210 FT. 12" CONDUIT, TYPE D, 706.02 611 38 FT. 18" CONDUIT, TYPE B, 707.33 611 39 FT. 18" CONDUIT, TYPE B, 707.33 611 48 FT. 24" CONDUIT, TYPE B, 707.33 611 15 FT. 24" CONDUIT, TYPE B, 707.33 611 48 FT. 24" CONDUIT, TYPE B, 707.33 611 16 FT. 24" CONDUIT, TYPE B, 707.33 611 50 FT. 4" CONDUIT, TYPE B, 707.33 611 50 FT. 4" CONDUIT, TYPE B, 707.43 611 50 FT. 4" CONDUIT, TYPE B, 707.43 611 50 FT. 4" CONDUIT, TYPE B, 707.43 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. <td< td=""><td>NRCS 606</td><td>11</td><td>EACH</td><td>THE MAIN BREATHER (USED AS DIRECTED BY ENCINEER)</td><td></td><td></td><td>F</td></td<>	NRCS 606	11	EACH	THE MAIN BREATHER (USED AS DIRECTED BY ENCINEER)			F
602 0.46 C.Y. CONCRETE MASONRY 611 187 FT. 8" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 4289 FT. 12" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 120 FT. 12" CONDUIT, TYPE D, 706.02 611 130 FT. 15" CONDUIT, TYPE D, 706.02 611 38 FT. 18" CONDUIT, TYPE D, 707.33 611 39 FT. 12" CONDUIT, TYPE B, 707.33 611 48 FT. 24" CONDUIT, TYPE C, 707.33 611 135 FT. 24" CONDUIT, TYPE B, 707.33 611 14 EACH NILET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 15 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PE	NICS 000			THE WAIN DREATTER (USED AS DIRECTED DT ENGINEERY			Ш
611 187 FT. 8" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 4269 FT. 12" CONDUIT, TYPE D, 706.02 611 210 FT. 12" CONDUIT, TYPE D, 706.02 611 130 FT. 18" CONDUIT, TYPE D, 706.02 611 38 FT. 18" CONDUIT, TYPE D, 706.02 611 39 FT. 18" CONDUIT, TYPE B, 707.33 611 48 FT. 24" CONDUIT, TYPE B, 707.33 611 148 FT. 24" CONDUIT, TYPE C, 707.33 611 155 FT. 24" CONDUIT, TYPE C, 707.33 611 14 EACH NILET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 50 FT. 4" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 4" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS	602	0.46	<i>C.Y.</i>	CONCRETE MASONRY			
611 4289 FT. 12" CONDUIT, TYPE C. PERFORATED (707.33, TYPE SP) 611 210 FT. 12" CONDUIT, TYPE D, 706.02 611 130 FT. 15" CONDUIT, TYPE D, 706.02 611 130 FT. 15" CONDUIT, TYPE D, 707.33 611 39 FT. 18" CONDUIT, TYPE B, 707.33 611 39 FT. 24" CONDUIT, TYPE B, 707.33 611 135 FT. 24" CONDUIT, TYPE B, 707.33 611 135 FT. 24" CONDUIT, TYPE C, 707.33 611 15 FT. 24" CONDUIT, TYPE C, 707.33 611 1 EACH INLET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 50 FT. 4" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, A	611	187	FT.	8" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP)			
611 210 FT. 12" CONDUIT, TYPE D, 706.02 611 130 FT. 15" CONDUIT, TYPE D, 707.33 611 39 FT. 18" CONDUIT, TYPE B, 707.33 611 39 FT. 18" CONDUIT, TYPE B, 707.33 611 135 FT. 24" CONDUIT, TYPE C, 707.33 611 135 FT. 24" CONDUIT, TYPE C, 707.33 611 155 FT. 24" CONDUIT, TYPE C, 707.33 611 1 EACH INLET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 4 EACH MANHOLE, NO. 3 611 50 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN	611	4289	FT.	12" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP)			
611 130 FI. 15 CONDUIT, IMPE A, 707.33 611 38 FT. 18" CONDUIT, TYPE B, 707.33 611 139 FT. 14" CONDUIT, TYPE B, 707.33 611 135 FT. 24" CONDUIT, TYPE B, 707.33 611 135 FT. 24" CONDUIT, TYPE C, PERFORATED (707.33, TYPE SP) 611 135 FT. 24" CONDUIT, TYPE C, 707.33 611 1 EACH INLET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 1 EACH INLET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 4 EACH MANHOLE, NO. 3 611 50 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE	611	210	FT.	12" CONDUIT, TYPE D, 706.02			
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611 48 FT. 24" CONDUIT, TYPE B, 707.33 611 135 FT. 24" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 135 FT. 24" CONDUIT, TYPE C, 707.33 611 1 EACH INLET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 1 EACH INLET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 4 EACH MANHOLE, NO. 3 611 50 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 10TCH MAINTENANCE, SEE NOTE SHEET 13 SPEC 1178	611	39	FT.	18" CONDUIT. TYPE B. 707.33			
611 135 FT. 24" CONDUIT, TYPE C PERFORATED (707.33, TYPE SP) 611 86 FT. 24" CONDUIT, TYPE C, 707.33 611 1 EACH INLET FRAME AND GRATE, AS PER PLAN, SHEET 10 611 4 EACH MANHOLE, NO. 3 611 50 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 4" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 6" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE B, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. 8" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. B" CONDUIT, TYPE C, SCHEDULE 40 PVC, AS PER PLAN 611 50 FT. DITCH MAINTENANCE, SEE NOTE SHEET 13	611	48	FT.	24" CONDUIT, TYPE B, 707.33			
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ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN

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These plans provide a suggested method of maintaining traffic for this project. The Contractor may, in lieu of this method of operation or sequence of construction, submit their own, in writing, to the Engineer for review and approval. However, the Contractor shall provide at the preconstruction conference a set of reproducible prints (scale 1"=40' or 1"=20') showing how they plan to maintain traffic in accordance with the OMUTCD and these traffic maintenance notes. These plans will have to be reviewed and approved by the Franklin County Engineer's Office. The Contractor will be advised as to the review results in writing within thirty (30) days.

A minimum of two 10' lanes (one lane of traffic in each direction) shall be maintained on all roads during non-working hours and peak periods (7am-9am and 4pm-6pm). If this requirement cannot be met, traffic shall be detoured using ODOT Standard Construction Drawing MT-101.60 and OMUTCD Chapter 6H (Figure 6H-20).

Two-way one-lane traffic is permitted during working non-peak hours (9am-3:30pm) in accordance with ODOT Standard Construction Drawing MT-97.10 or MT-97.11.

The Contractor shall notify the County Engineer's Mobility Department at 614–525–6036 two weeks prior to beginning work, and weekly thereafter, to discuss any changes to the maintenance of traffic plan and/or completion date. Before work is started on this project the Contractor shall submit a written schedule of operation and a traffic maintenance control plan for approval. No work will be started that will restrict any lane usage unless it is the intent of the Contractor to work full time with a full force in order to complete the work without unnecessary delays.

The following devices must meet NCHRP 350 or MASH–08 before the devices are installed on the project: drums, cones, vertical panels and the panel support, portable sign supports, temporary impact attenuators, temporary concrete barrier, and barricades.

All construction signing shall be installed and covered before construction begins. After construction sign installation, the Contractor shall notify the Franklin County Engineer's Office Mobility Department at 614–525–6036 three working days before work begins and request an inspection of all signing.

Faces of construction signs and reflective sheeting on barricades shall be Type H (VIP). All orange construction signs shall be fluorescent orange. All sheeting will be tested for reflectivity per ODOT 730.192. Vertical panels and drum bands shall be reflectorized with Type G (high intensity) sheeting complying with the requirements of 730.19. All signs and barricades, vertical panels, and drums will be like new and in good condition in conformance with "Quality Guidelines for Temporary Traffic Control Devices and Features" published by ATSSA.

Maintenance of all Contractor-supplied signs, barricades, vertical panels and drums is the Contractor's responsibility. If the Contractor fails to correct deficiencies within four hours of notification, Franklin County shall correct or hire someone to correct the deficiencies. The Contractor shall then be back charged per ODOT Specification 614. In the case that back charging the Contractor is not applicable, the County will rescind and withhold all permits issued to the Contractor to work within County right-of-way until the issue is settled. These provisions shall not in any way relieve the Contractor of any of their legal responsibilities or liabilities for the safety of the public.

All barricades at closures shall have yellow Type A low intensity flashing warning lights and two flags. Reflective material is required on both sides of all barricades.

Cones are approved for daytime use only. Drums shall be used at night and have yellow Type C steady burn lights. Cones and Drums shall be placed as follows: 25' c/c on tangents, 15' c/c on tapers, and 8' c/c in radii, or as specified in MT-97.10 or MT-95.30.

All signs nine square feet (36" x 36") and over shall have yellow Type A low intensity flashing warning lights and two flags.

All work and traffic control devices shall be in accordance with ODOT CMS 614 and other applicable portions of the specifications, as well as the latest version of the OMUTCD. Payment for all labor, equipment and materials shall be included in the lump sum contract price for Item 614, Maintaining Traffic, as Per Plan, unless separately itemized in the plan.

LOCAL ACCESS

Ingress and egress shall be maintained to all residential and commercial properties. Driveway closures may be necessary to enable work on, or in front of, a drive. The Contractor will be responsible for notifying owners, residents, or business operators, in writing, at least 7 days, prior to closure per ORC 6131.47. The Engineer shall be given a list of the persons that were given notices with the date of notice included. Closure is permitted only during work hours and access must be returned at the end of each working day. Properties with multiple drives may have one drive closed at a time, while work is performed in the area of the closed drive.

Individual drive closures shall be kept to the minimum time needed for construction activities. Every effort must be made to accommodate the owner's need for access. No weekend closures.

EXISTING TRAFFIC SIGN MAINTENANCE

Special care shall be taken to maintain existing street name signs and stop signs. If necessary, the Contractor shall relocate these signs out of the way of construction, but in conformance with OMUTCD. Any damaged sign shall be replaced at the expense of the Contractor.

REMOVAL OF PAVEMENT MARKINGS

Removal of existing or work zone pavement markings from the final surface course using water blasting or grinding is not permitted. Removal of markings shall be by means of full-width milling and overlaying to a depth of 1 1/2" before the permanent markings are applied. All replacement pavement markings shall comply with ODOT Item 644 – Thermoplastic Pavement Marking, applied at the widths shown below: Edge Lines – 6" White Channelizing Lines – 12" White Center Lines – 6" Yellow

CALCULATED
MAINTENANCE OF TRAFFIC NOTES
COOK TRI-COUNTY DITCH







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EXPOSE NOTE

Where plans provide for a proposed conduit, storm sewer, waterline, or other construction to cross over or under an existing sewer or underground utility, the contractor shall locate the existing pipes or utilities both as to line and grade at the beginning of the project. If it is determined that the existing conduit or existing appurtenance to be connected differs from the plan elevation or results in a change in the planned work, the engineer shall be notified before starting construction of any portion of the proposed work which will be affected by the variance in the existing elevations. Payment for all the operations described above shall be included in the contract price for the pertinent items.

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