CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR 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.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED. DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD **OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY** THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

BARRIER MISC.: GLARE SCREEN REMOVED FOR STORAGE

CONTRACTOR SHALL CAREFULLY REMOVE WITHOUT DAMAGING, STORE AND TRANSPORT ALL EXISTING GLARE SHIELD TO ODOT NORTHWOOD GARAGE. CONTACT MANNY CARRILLO AT 419-373-7060 OR AMY HENDRICKS AT 419-373-7064 TO COORDINATE RECEIPT OF THESE MATERIALS AT NORTHWOOD GARAGE. THE FOLLOWING ESTIMATED QUANTITY IS CARRIED TO THE GENERAL SUMMARY:

ITEM 622 - BARRIER MISC.: GLARE SCREEN REMOVED FOR STORAGE 680 FT

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS. IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF. AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606. ANCHOR ASSEMBLY. MGS TYPE E. EACH. AND SHALL INCLUDE ALL LABOR. TOOLS. EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED. AS REQUIRED BY THE MANUFACTURER.

SAWCUTTING

SAWCUTTING SHALL BE INCIDENTAL TO ALL ITEMS REMOVED AS PART OF THIS PROJECT AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.

ITEM 512 - SEALING OF CONCRETE SURFACES ITEM 519 - PATCHING CONCRETE STRUCTURE

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR PATCHING CONCRETE PIER COLUMNS AND CAPS AS DIRECTED BY THE ENGINEER.

5 SF LUC-00280-00.270 (BROWN RD.) 10 SF LUC-00280-00.790 (PICKLE RD.) LUC-00002-21.240 (NAVARRE AVE.) 15 SF

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR SEALING THE PATCHED CONCRETE PIER COLUMNS AND CAPS.

LUC-00280-00.270 (BROWN RD.) 1 SY 1 SY LUC-00280-00.790 (PICKLE RD.) LUC-00002-21.240 (NAVARRE AVE.) 194 SY

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 519 - PATCHING CONCRETE STRUCTURE 30 SF ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) 196 SY

SECURED SIGN ON AND ACCESS THROUGH TH https://mydot.dot.state.oh.us MORE INFORM TO THE CONTRACTOR VIA EMAIL FOR DETAILS REGISTRATION.	ATION SHALL BE PROVIDED	EXPOSED SOIL BETWEEN THE RIGHT-OF-W THE CONSTRUCTION LIMITS FOR AREAS O OF-WAY LINES COVERED BY WORK AGREE EASEMENT. QUANTITY CALCULATIONS FOR MULCHING ARE BASED ON THESE LIMITS.	UTSIDE THE RIGHT MENT OR SLOPE	
DISTRICT ASSET MANAGER (LISA RAYBURG) W CONTRACTOR WITH ANY CLARIFICATION OF S QUESTIONS. THE CONTRACTOR SHALL OBTAIN A NAMED U	PECIFICATION OR SER ACCOUNT FOR	659, INTER-SEEDING 659, COMMERCIAL FERTILIZER 659, WATER SEEDING AND MULCHING SHALL BE APPLIE	699 SQ. YD. 2.03 TON 77 M. GAL. ED TO ALL AREAS OF	
WORK INCLUDES: FILED DATA COLLECTION OF ASSETS LISTED ABOVE, IN ACCORDANCE WITH MANUALS, WHICH CAN BE FOUND AT THIS LII https://extranet.dot.state.oh.us/AMLT/Collect	THE INVENTORY IK	GROWTH AND CARE OF PERMANENT SEEL 659, TOPSOIL 659, SEEDING AND MULCHING 659, REPAIR SEEDING AND MULCHING		
-UNDERDRAINS -LIGHTING -GROUND MOUNTED SIGNS	R	SEEDING AND MULCHING THE FOLLOWING QUANTITIES ARE PROVID	ED TO PROMOTE	
PROJECT. FIELD DATA COLLECTION SHALL INCLUDE THE	FOLLOWING:	INSPECTION OF TRANSPORTATION ASSETS INC PROJECT, SHALL BE PAID UNDER ITEM 623 LUI LAYOUT STAKES AND SURVEYING, AS PER PLAI	MP SUM CONSTRUCTION	
TRANSPORTATION FIELD DATA COLLECTION TE FIELD MAPS APPLICATION) TO FACILITATE THE INSPECTION OF TRANSPORTATION ASSETS INC	CHNOLOGY (ARCGIS INVENTORY AND	DAMAGES PER 108.07-1. PAYMENT: ALL WORK ASSOCIATED WITH THE		
ITEM 623 LUMP SUM CONSTRUCTION LAYO SURVEYING, AS PER PLAN THE CONTRACTOR SHALL UTILIZE OHIO DEPAR		INVENTORY AND INSPECTIONS OF TRANSPORT BE COMPLETED AND ACCEPTED PRIOR TO FIN PER 109.12. FAILURE TO SUBMIT COMPLETED PRIOR TO FINAL ACCEPTANCE DATE WILL RESU	AL ACCEPTANCE DATE AND ACCEPTED DATA	
SECTIONS) NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.		OBSERVED HOLIDAYS. THE DISTRICT ASSET MA CONTACTED FOR ALL MATTERS RELATED TO IN WORKFLOWS, DATA QUALITY ISSUES AND INV SPECIFICATIONS. CONTRACTOR SHALL COMMU CONCERNS OR PROBLEMS WITH THE APPLICA BE RESOLVED.	IVENTORY/INSPECTION ENTORY UNICATE ANY	GENERAL NOT
SAW CUT PAVEMENT (PLANED JOINT IS ACCEPTABLE IN NON-CONCRETE	ULDER	DISTRICT ASSET MANAGER CAN PROVIDE PHO MONDAY TO FRIDAY 8:00 AM TO 3:30 PM, WI		TES
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	GGREGATE BASE	THE DATA IS DEPLOYED ON TECHNOLOGY INFR (DATABASES AND SERVERS) WHICH OPERATE 2 PERIODIC SCHEDULED MAINTENANCE MAY OC TEMPORARY UNAVAILABILITY. ODOT WILL COM MAINTENANCE IN ADVANCE AS MUCH AS POS	24/7/365, HOWEVER CCUR, RESULTING IN MMUNICATE SYSTEM	
ITEM 301 (PAVEMENT REPAIR)	ASPHALT	<u>LISA.RAYBURG@DOT.OHIO.GOV</u> FOR REVIEW		
ITEM 253, 6" OF	S <u>LEGEN</u> D	AFTER ALL INFORMATION HAS BEEN COLLECT SHALL EMAIL THE DISTRICT ASSET MANAGER		
ITEM 253, PAVEMENT REPAIR ESTIMATED QUANTITIES CARRIED TO THE	721 CU. YD. GENERAL SUMMARY.	ONCE THE CONTRACTOR OBTAINS THE NEW A EMAIL <u>LISA.RAYBURG@DOT.OHIO.GOV</u> FOR A PURPOSES.		
THE FOLLOWING ESTIMATED QUANTITIES 6" PAVEMENT REPAIR FOR IR 280 FROM ST STA. 327+65.00 AS DIRECTED BY THE ENGI QUANTITY BASED ON 5% OF THE PAVEMEI	A. 89+48.00 TO NEER. ESTIMATED	IF THE CONTRACTOR WOULD LIKE ACCESS TO A WEB MAPPING APPLICATION, ACCESSIBLE THROUGH A WEB BROWSER, THEY WILL NEED TO MAKE MENTION OF THIS PRIOR TO ASSET COLLECTION.		
PAVEMENT SHALL BE PLANED BEFORE PA PERFORMED.	/EMENT REPAIRS ARE	LOCATIONAL DATA COLLECTION. MOBILE DEVI SUFFICIENT MEMORY AND STORAGE TO SUPP CONNECTION GIVEN A CIRCUMSTANCE WHER BECOMES UNAVAILABLE	ORT OFFLINE DATA	
ITEM 253, PAVEMENT REPAIR:		MOBILE DEVICES SHALL HAVE GPS FUNCTION	ALITY TO ENABLE	

ARCGIS FIELD MAPS APPLICATION IS ACCESSED THROUGH A MOBILE DEVICE PROVIDED BY THE CONTRACTOR AND SHALL BE DOWNLOADED FROM THE APP STORE FREE OF CHARGE.

ESIGNER GCB REVIEWER

DTC 07/14/23 ROJECT ID 108584 HEET TOTAL P.8 189

CONSTRUCT THE SUBGRADE AS	FOLLOWS AND IN THE
FOLLOWING SEQUENCE:	
1. SHAPE THE SUBGRADE TO	
PLAN SUBGRADE ELEVATIO	N.
2. EXCAVATE AND REPLACE A	
	ROOF ROLLING. UNSUITABLE
	UITABLE SOIL (A-4B, A-2-5, A-5, A-7-5,
	MIT GREATER THAN 65) AND
ANY COAL, SHALE, OR ROC	K WHICH NEEDS TO BE REMOVED
	04.05 OF THE CONSTRUCTION AND
MATERIAL SPECIFICATIONS	G(C&MS).
IF THERE IS UNSUITABLE SL	IBGRADE IN A SHALLOW FILL
LOCATION, EXCAVATE AND F	REPLACE THE UNSUITABLE
SUBGRADE BEFORE CONST	RUCTING THE SHALLOW FILL
AND SHAPING THE SUBGRA	DE.
3. COMPACT THE SUBGRADE	ACCORDING TO C&MS 204.03.
4. THE ENGINEER WILL IDENT	IFY THE ACTUAL LIMITS OF
	E SUBGRADE BASED ON THE PROOF
ROLLING RESULTS AND VIS	UAL OBSERVATIONS.
PROOF ROLL THE COMPACT TO C&MS 204.06.	ED SUBGRADE ACCORDING
10 Cams 204.00.	
5. EXCAVATE UNSTABLE SUBG	GRADE AS DIRECTED BY THE
ENGINEER AND STABILIZE B	Y REPLACING WITH ITEM SPECIAL
- GEOCELLULAR CONFINEM	ENT SYSTEM.
6. PROOF ROLL THE STABILIZE C&MS 204.06 TO VERIFY STA	
7. FINE GRADE THE SUBGRAD	DE TO THE SPECIFIED GRADE.
THE QUANTITIES FOR EXCAVATIN	IG THE UNSUITABLE SUBGRADE
AND UNSTABLE SUBGRADE ARE I	BOTH PAID UNDER ITEM 204,
EXCAVATION OF SUBGRADE.	
THE OLIANITITIES IN THE DAVIEME	NT SUBSUMMARY ARE CALCULATED
····	F THE SUBGRADE AREA FOR AREAS
SHOWN AS "AS DIRECTED BY THE	
SUBGRADE AREA SHOWN AS "GL	OBAL STABILIZATION" IN THE TABLE
ON TYPICAL SECTION SHEET P.6.	
ITEM SPECIAL - GEOCELLULAR CON	ΕΙΝΕΜΕΝΤ «Υ«ΤΕΛΛ
I LIVI JI LUML - OLOCELLOLAR COM	, , a Liviliai Jijilivi
THIS ITEM SHALL PERTAIN TO THE G	EOCELLULAR CONFINEMENT SYSTEM
	THE TYPICAL SECTIONS AND USED FOR
LOAD SUPPORT. THE CONTRACTOR	
(4 INCH CELL DEPTH) AND GEOWEB	
MANUFACTURED BY PRESTO GEOSY (4 INCH CELL DEPTH) AND ENVIROG	-
4 INCH CELL DEPTH) AND ENVIROG MANUFACTURED BY GEO PRODUCT	
ALTERNATE IF SUBMITTED TO AND A	
PRESTO GEOSYSTEMS	GEO PRODUCTS, LLC
PO BOX 2399 APPLETON, WI 54912-2399	12626 N. HOUSTON ROSSLYN RD HOUSTON, TX 77086
TOLL FREE: (800) 548-3424	PH: (281) 820-5493
PH: (920) 738-1328	EMAIL: INFO@GEOPRODUCTS.ORG
EMAIL: INFO@PRESTOGEO.COM	WEB: WWW.GEOPRODUCTS.ORG
WEB: WWW.PRESTOGEO.COM	
THE MANUFACTURER SHALL PROVIL	

DOCUMENTS.

HE MANUFACTURER SHALL PROVIDE A QUALIFIED FIELD EPRESENTATIVE ON SITE AT THE START OF THE INSTALLATION O ENSURE THE GEOCELL SYSTEM IS INSTALLED IN ACCORDANCE VITH THE MANUFACTURER'S REQUIREMENTS AND THE CONTRACT OCUMENTS.

RIOR TO INSTALLATION OF ANY MATERIALS, THE CONTRACTOR HALL COORDINATE A PRE-INSTALLATION MEETING TO DISCUSS HE SCOPE OF WORK AND REVIEW INSTALLATION REQUIREMENTS. HE PRE-INSTALLATION MEETING SHALL BE ATTENDED BY ALL ARTIES INVOLVED IN THE INSTALLATION OF THE GEOCELLULAR ONFINEMENT SYSTEM, INCLUDING THE DISTRICT GEOTECHNICAL NGINEER.

HE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S PECIFICATIONS INCLUDING, BUT NOT LIMITED TO, DELIVERY, TORAGE, HANDLING, IN-FILL MATERIAL, AND INSTALLATION PECIFICATIONS.

HE CONTRACTOR SHALL INSTALL GEOTEXTILE FABRIC ONFORMING TO CMS 712.09, TYPE D, AND SHALL BE INSTALLED S DETAILED ON THE TYPICAL SECTIONS. THE GEOTEXTILE ABRIC SHALL BE CONSIDERED INCIDENTAL TO THE GEOCELLULAR ONFINEMENT SYSTEM.

HE CONTRACTOR SHALL INSTALL THE CELL INFILL MATERIAL OF RUSHED AGGREGATE CONFORMING TO CMS 703.18.

VERFILL CELLS WITH INFILL MATERIAL. LIMIT THE DROP HEIGHT OF INFILL MATERIAL TO 3 FEET TO AVOID DAMAGE OR Varies DISPLACEMENT OF THE CELL WALL. LEVEL INFILL APPROXIMATELY 4 ± 33.75 " min. <u>+56.25" max.</u> INCHES ABOVE CELL WALLS. THE ITEM 204 - EXCAVATION OF UBGRADE AND ITEM 411 STABILIZED CRUSHED AGGREGATE, AS PER PLÂN STIMATED QUANTITY ACCOUNTS FOR THIS ADDITIONAL DEPTH. COMPACT NFILL TO A MINIMUM OF 95 PERCENT CONFORMING TO SUPPLEMENT 015 TEST SECTION METHOD A. COMPACTION OF INFILL SHALL BE ONSIDERED INCIDENTAL TO THE GEOCELLULAR CONFINEMENT SYSTEM.

T THE PROPOSED MEDIAN SPREAD FOOTING LIGHT POLE OUNDATIONS, EXCAVATE THE SUBGRADE AN ADDITIONAL 2" AND NSTALL THE GEOCELL 2" DEEPER TO AVOID A CONFLICT WITH THE ROPOSED FOUNDATION.

HE GEOCELLULAR CONFINEMENT SYSTEM SHALL BE MEASURED BY HE NUMBER OF SQUARE YARDS OF SURFACE AREA OF EOCELLULAR CONFINEMENT SYSTEM PLACED.

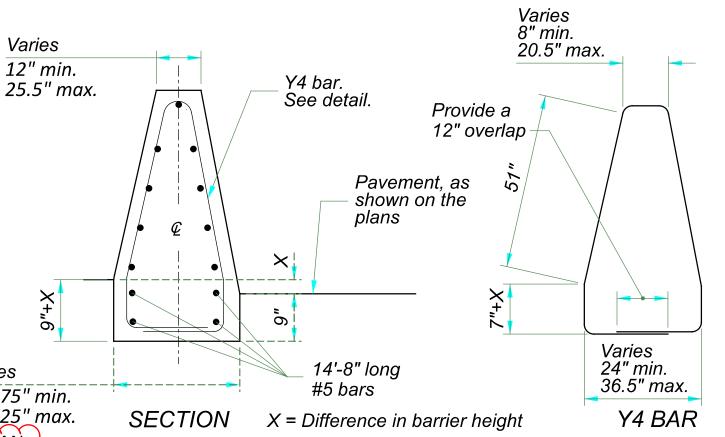
LL EQUIPMENT, MATERIALS, LABOR, TOOLS, AND INCIDENTALS ECESSARY TO COMPLETE THE WORK OUTLINED ABOVE AND PER HE MANUFACTURER'S INSTRUCTIONS SHALL BE INCLUDED IN THE INIT PRICE BID PER SQUARE YARD FOR ITEM 204 - SPECIAL - GEOCELL, UBGRADE AND ITEM 411 - STABILIZED CRUSHED AGGREGATE, S PER PLAN

ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1 OR C1, AS PER PLAN

CONSTRUCT SINGLE SLOPE CONCRETE BARRIER IN ACCORDANCE WITH CMS 622 AND SCD RM-4.3 AND RM-4.4, EXCEPT INCREASE THE WIDTH TO ACCOMMODATE 42" WIDE SQUARE PIER COLUMNS.

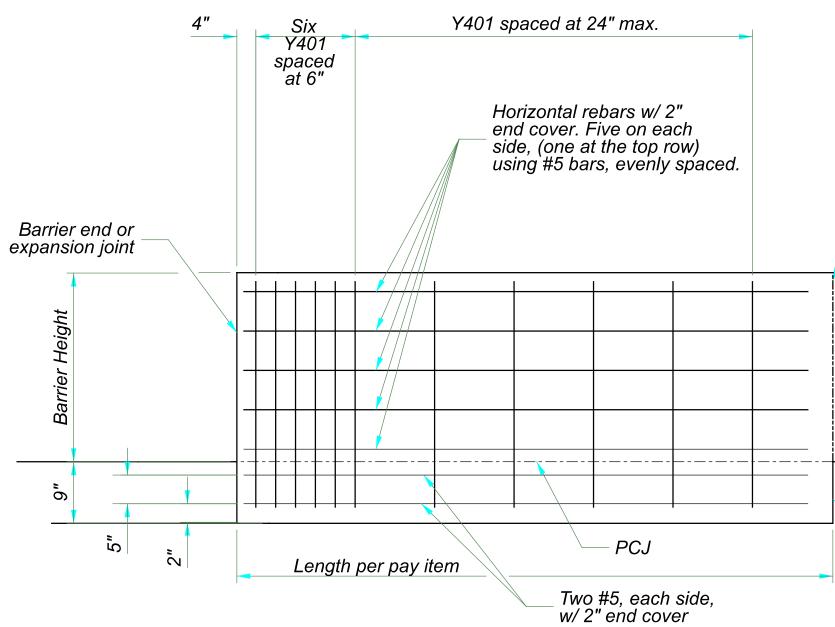
ITEM 622 - CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN, PIER TRANSITION

CONSTRUCT REINFORCED CONCRETE BARRIER END ANCHORAGE IN ACCORDANCE WITH CMS 622 AND SCD RM-4.3, EXCEPT VARY THE WIDTH OF THE BARRIER IN ACCORDANCE WITH THE DETAILS BELOW AND SCD RM-4.4 SINGLE SLOPE BARRIER TRANSITIONS.



ITEM 622 - CONCRETE BARRIER, END ANCHORAGE, REINFORCED, (TYPE), (LENGTH)

CONSTRUCT REINFORCED CONCRETE BARRIER END ANCHORAGES IN ACCORDANCE WITH CMS 622, SCD RM-4.3, AND AS SHOWN IN THE DETAIL BELOW.



ELEVATION

ITEM 622 - CONCRETE BARRIER, END ANCHORAGE, RE B1, AS PER PLAN, 15' END TRANSITION	INFORCED, TYPE	
CONSTRUCT REINFORCED CONCRETE BARRIER END AND ACCORDANCE WITH CMS 622 AND SCD RM-4.3, EXCEPT THE SHAPE AND HEIGHT OF THE BARRIER TO MATCH TH CONCRETE MEDIAN BARRIER.		
PAVEMENT REPLACEMENT FOR DRAINAGE INSTALLATI		
DRAINAGE INSTALLATION UNDER THE NAVARRE AVENU REQUIRE FULL DEPTH REPLACEMENT OF PORTIONS OF COMPOSITE PAVEMENT. LOCATE THE LONGITUDINAL JC PAVEMENT REPLACEMENT OUTSIDE OF THE WHEEL PAT 40 TO 62 INCHES FROM THE CENTER OF THE LANE. UTIL IN THE CONCRETE BASE PAVEMENT IN ACCORDANCE W		
THE FOLLOWING QUANTITIES ARE CARRIED TO THE GEI SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FO REPLACEMENT FOR DRAINAGE INSTALLATION.		
STA. 84+60 TO STA. 86+00 ASSUMED WIDTH = 3'		
ITEM 202 - PAVEMENT REMOVED ITEM 305 - 9" CONCRETE BASE, CLASS QC 1P ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449)	47 SY 47 SY 5 CY	VOTES
		GENERAL NOTES
Provide six Y401 spaced at 6" on both ends of end anchorage at locations where there is an expansion joint at both ends.		
Base		
		DESIGNER GCB REVIEWER DTC 07/14/23 PROJECT ID 108584 SHEET TOTAL P.9 189

302 ASPHALT CONCRETE BASE, AS PER PLAN

MIX DESIGN - FOLLOW THE REQUIREMENTS OF 302.02 EXCEPT AS MODIFIED BELOW:

- USE A MAXIMUM F/A RATIO OF 1.4. IF THE F/A RATIO IS GREATER THAN 1.2. RECALCULATE THE F/A RATIO USING THE EFFECTIVE ASPHALT BINDER CONTENT.
- THE TSR IS REQUIRED AND THE MINIMUM TSR IS 0.70 AS DETERMINED USING SUPPLEMENT 1051. ADD ANTISTRIP ADDITIVE AS SPECIFIED IN 440.06 IF REQUIRED BASED ON TSR AND ENSURE THE MINIMUM IS 0.80 AFTER ANTISTRIP.

QUALITY CONTROL AND ACCEPTANCE - FOLLOW THE REQUIREMENTS AS SPECIFIED IN 403 USING 446 ACCEPTANCE EXCEPT AS MODIFIED BELOW:

• RUN MSG AND AIR VOIDS AND FOLLOW 403.06.G INSTEAD OF 403.06.F.

Table 403.06-1

Mix Characteristic	Out of Specification Limits ¹⁵¹			
Asphalt Binder Content	-0.5% to 0.5%			
1/2 inch (12.5 mm) sieve	-7.0% to 7.0%			
No. 4 (4.75 mm) sieve	-6.0% to 6.0%			
No. 8 (2.36 mm) sieve	-5.0% to 5.0%			
No. 200 (75 mm) sieve	-2.0% to 2.0%			
Air Voids ¹²¹	2.5% to 5.5%			
MSG ⁽³⁾	-0.015 to 0.015			
	1.4 max			
VMA	12.0 min			
[1] Deviation from the JMF.				

[2] For Design Air Voids of 4.0%. Compact using a six-inch Marshall hammer with 70 blows on both sides per 302.02.

[3] Deviation from the MTD.

[4] If the F/A ratio is greater than 1.2, recalculate the F/A ratio using the effective asphalt binder content.

[5] Do not follow the minimum 7% retained during production per 403.06.F.5.

- REPLACE MSG COMPARISON IN TABLE 403.10-1 WITH 0.015.
- NOTIFY ERIC BIEHL OMM 614-275-1380 AND JULIA MILLER OCA 614-466-3165 ONE WEEK PRIOR TO PLANNED BEGINNING PRODUCTION AND PLACEMENT. YOU MAY EMAIL THEM AS WELL.

DENSITY ACCEPTANCE - FOLLOW THE REQUIREMENTS OF 446 ASPHALT CONCRETE CORE DENSITY ACCEPTANCE, INCLUDING JOINT CORES, EXCEPT AS MODIFIED BELOW:

OBTAIN 6-INCH DIAMETER CORES ON EACH LIFT PLACED.

OBTAIN JOINT CORES AT COLD LONGITUDINAL JOINTS SUCH THAT THE CORE'S CLOSEST EDGE IS 6 INCHES (152 MM) FROM THE EDGE OF THE MAT.

PAY FACTORS FOR EACH LIFT OF 302 APP WILL BE AS SPECIFIED IN THE FOLLOWING TABLE.

	Pay Factor
Mean of Lot Core Density	302, APP
>98.0%	[2]
>97.0% to 98.0%	[3]
92.0% to 97.0%	1
91.0% to 91.9%	0.9
90.0% to 90.9%	0.8
89.0% to 89.9%	0.7
<89.0%	[4]

[1] Mean of cores as percent of average MSG for the production day. [2] The District will determine whether the material may remain in place. The pay factor for material allowed to remain in place is 0.50. [3] The District will determine whether the material may remain in place. The pay factor for material allowed to remain in place is 0.70. [4] The District will determine whether the material may remain in place. The pay factor for material allowed to remain in place is 0.50.

If material is removed and replaced the Contractor will remove and replace this course and all courses paved on this course.

ITEM 442 - ASPHALT CONCRETE SURFACE (OR INTERMEDIATE COURSE), AS PER PLAN

BEFORE PAVEMENT PLANING. CHECK THE PROFILE OF THE EXISTING PAVEMENT AT 50-FOOT INTERVALS ALONG THE OUTSIDE EDGE OF EACH TRAFFIC LANE AND ALONG ANY ADDITIONAL LINE DESCRIBED IN SUPERELEVATION TABLES. AND SUBMIT TO THE ENGINEER A TABULATION OF ALL **RESULTS THAT INCLUDES DOCUMENTATION OF ALL** DEVIATIONS FROM THE EXISTING ELEVATIONS SHOWN IN SUPERELEVATION TABLES.

PROVIDE A PLANING AND PAVING WORK PLAN FOR THE ENGINEER'S REVIEW AND APPROVAL FOR HOW THE SUPERELEVATION CORRECTION WORK WILL BE COMPLETED. INCLUDE MAINTENANCE OF TRAFFIC PHASING OF THE PLANING AND PAVING WORK IN THE WORK PLAN.

BEFORE PLACING THE SURFACE COURSE, CHECK THE PROFILE OF THE PRECEDING COURSE AND COMPLETE THE PAVING WORK IN ACCORDANCE WITH CMS 401.10 SURFACE TOLERANCES.

ALL WORK DESCRIBED IS INCLUDED FOR PAYMENT IN THE UNIT PRICE BID FOR THE ASPHALT CONCRETE PAVEMENT ITEMS.

ITEM 619 - FIELD OFFICE, TYPE C, AS PER PLAN

THIS ITEM SHALL BE IN ACCORDANCE WITH ITEM 619 OF THE 2023 OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS EXCEPT AS MODIFIED BY THE FOLLOWING:

- 1. THE FIELD OFFICE SHALL BE ACCEPTED BY THE ENGINEER AND BE LOCATED IN THE AREA ALONG SR 795 BETWEEN OREGON RD. AND I-75 OR BETWEEN SR-795. LIME CITY RD AND US 20. LOCATIONS OUTSIDE THE FOOTPRINT WILL NOT BE ACCEPTED UNLESS APPROVAL IS RECEIVED BY THE ENGINEER.
- 2. A CONFERENCE ROOM SHALL BE SUPPLIED WITH A MINIMUM OF 250 SQUARE FEET OF FLOOR SPACE
- 3. THE SPACE SHALL BE CONTINUOUS AND WITHIN THE SAME BUILDING. A MINIMUM OF 1 BATHROOM SHALL BE DEDICATED TO THE FIELD OFFICE. NO PORTABLE FACILITIES WILL BE ACCEPTED. BATHROOM FACILITIES SHALL BE HANDICAP ACCESSIBLE. THE CONTRACTOR SHALL PROVIDE BOTTLED WATER SERVICE FOR THE FIELD OFFICE. THE CONTRACTOR SHALL PROVIDE CLEANING SERVICES FOR THE FIELD OFFICE A MINIMUM OF 2 TIMES/MONTH.
- 4. THE REQUIREMENT OF ONE SEPARATE ROOM SHALL BE INCREASED TO A MINIMUM OF 6 SEPARATE ENCLOSED ROOMS OF 100 SQUARE FEET MINIMUM PER ROOM. EACH ROOM SHALL BE SUPPLIED WITH A MINIMUM OF TWO ELECTRICAL OUTLETS. THE OVERALL FLOOR SPACE SHALL BE INCREASED TO A MINIMUM OF 2000 SQUARE FEET INCLUDING THE 6 SEPARATE OFFICES.
- 5. SECURITY SHALL BE PROVIDED FOR THE FIELD OFFICE AND SURROUNDING FACILITIES ON ALL SIDES OF THE FIELD OFFICE AND PARKING AREA. THIS SECURITY SHALL INCLUDE A WELL-LIT PARKING LOT AND EITHER A SECURITY SYSTEM WITH CAMERAS THAT COVER THE ENTIRE PARKING AREA OR A FULL FENCED PARKING AREA, WITH 8' TALL SECURITY FENCING. THE CAMERA SECURITY SYSTEM WILL NOT BE PERMITTED TO UTILIZE THE INTERNET SERVICE TO BE PROVIDED TO THE DEPARTMENT AS PART OF THE OFFICE REQUIREMENTS. THE CAMERA SHALL BE CELLULAR 4G/LTE. WEATHERPROOF, HAVE A WIDE ANGLE LENS, HAVE MOTION DETECTION AND NIGHT VISION, REMOTE VIEWING, HAVE THE ABILITY TO PROVIDE ALERTS, AND USES A CLOUD STORAGE SYSTEM THAT WITH ACCESS PROVIDED TO ODOT PERSONNEL. CAMERAS SHALL BE POWERED BY ELECTRIC. IF ELECTRIC POWER IS NOT AVAILABLE. POWER BY SOLAR PANEL. POWER BY RECHARGEABLE BATTERY IS PROHIBITED.
- 6. THE FIELD OFFICE SHALL PROVIDE SPACE FOR 2 NUCLEAR DENSITY GAUGES. THE AREA DESIGNATED MUST BE A MINIMUM OF 15' AWAY FROM ANY OFFICES OR OTHER CONTINUALLY OCCUPIED SPACES OF THE OFFICE.
- 7. NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR ADDITIONAL REQUIREMENTS STATED ABOVE. THE DEPARTMENT WILL MEASURE FIELD OFFICE, TYPE C, AS PER PLAN BY THE NUMBER OF MONTHS THE OFFICE IS MAINTAINED.
- 8. THE OFFICE WILL BE USED DAILY BY ODOT PERSONNEL FOR VARIOUS PROJECTS IN THE AREA

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 619 - FIELD OFFICE, TYPE C, AS PER PLAN



GENERAL NOTES	
DESIGN AGENCY	

SHEET NUM. 10 11 12 13 14 15 21 54 8 196 30 480 2,330 4 4 10 5 5 178 367 5 476 71 547 2,248 10 2.14 7.2 9.94 17.09 37 4,367 627 8,057 3,452 11,787 5*,*393 50 300 75 22*,*679 35 15 5 LS 12 LS RENKE Ξ. RE GAF USER: 0 2914-220 ME: 9:01:35 AM OhioDOT\200-12 WOO/LUC-280-06.20/00.00)23 DATE: 10/ 1-us-pw-04/ : 34x22 (in.) -----tetratect ERSIZE: ົດ DEL 0M ≥

	PART.		ITEM	GRAND		
	01/IMS/04	ITEM	EXT	TOTAL	UNIT	D
						STRUCTURE REPAIR (LUC-00280-
	196	512	10100	196	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHA
	30	519	11100	30	SF	PATCHING CONCRETE STRUCTURE
	480	614	11110	480	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FO
	2,330	614	11630	2,330	FT	INCREASED BARRIER DELINEATION
-	4	614	12380	4	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZA
	LS	614	12420	LS		DETOUR SIGNING
	4	614	12460	4	EACH	WORK ZONE MARKING SIGN
_	 10	614	12484	10	EACH	WORK ZONE INCREASED PENALTIES SIGN
	5	614	12500	5	EACH	REPLACEMENT SIGN
	 5 178	614	12600	5 178	EACH	REPLACEMENT DRUM WORK ZONE RAISED PAVEMENT MARKER
	367	614 614	12800 12801	367	EACH EACH	WORK ZONE RAISED PAVEMENT MARKER
	507	011	12001		L/ (CIT	
	5	614	13000	5	СҮ	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
	476	614	13310	476	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY
	71	614	13314	71	EACH	BARRIER REFLECTOR, TYPE 3, ONE WAY
	547	614	13350	547	EACH	OBJECT MARKER, ONE WAY
_	 2,248	614	18030	2,248	FT	MAINTAINING TRAFFIC, MISC.: FILLING RUMBLE ST
_	 10	614	18600	10	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN
	2.14	614	20056	2.14	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT
_	7.2	614	20030	7.2	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT
	9.94	614	22056	9.94	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT
	54.09	614	22110	54.09	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT
	4,367	614	23110	4,367	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807
_	8,684	614	23210	8,684	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642
_	 3,452	614	24102	3,452	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT
	17,180 50	614 616	24202 10000	17,180 50	FT MGAL	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT WATER
	50	010	10000		WIG/ (L	
	375	617	10100	375	CY	COMPACTED AGGREGATE
	22,679	622	41100	22,679	FT	PORTABLE BARRIER, UNANCHORED
	 35	808	18700	35	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY
	 15	896	00010	15	SNMT	PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS
	5	896	00020	5	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN
_	LS	108	30000	LS		CPM PROGRESS SCHEDULE SHORT DURATION PRO.
	LS	614	11000	LS		MAINTAINING TRAFFIC
	(12)	619	16021	(12)	MNTH	FIELD OFFICE, TYPE C, AS PER PLAN
	 LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING,
_	LS	624	10000	LS		MOBILIZATION
1						
_						
-						
1						
	1					

DESCRIPTION	SEE SHEET NO.	
D-00.270, LUC-00280-00.790, LUC-00002-21.240)		
ANE)		
FOR ASSISTANCE		
ZARDS, (UNIDIRECTIONAL)		
LANDS, (UNIDINECTIONAL)		
PLAN	13	
TRIPS IN EXISTING CONCRETE PAVEMENT	15	۲۲
	13	AF
		GENERAL SUMMARY
		Ī
		N
		S
		٦L
		R/
D7 PAINT		
12 PAINT		
·		5
SS I		
INCIDENTALS		
DJECTS		
	10	
, AS PER PLAN	10 8	
, AS FLN FLAN	0	
		DESIGN AGENCY
		designer TSR
		REVIEWER
		DTC 07/14/23
		PROJECT ID 108584
		SHEET TOTAL
		P.48 189