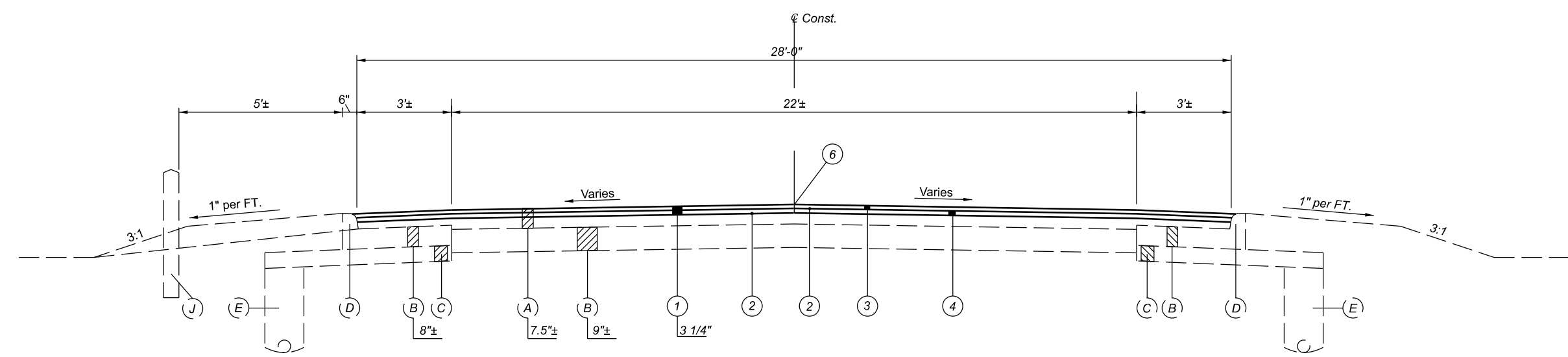


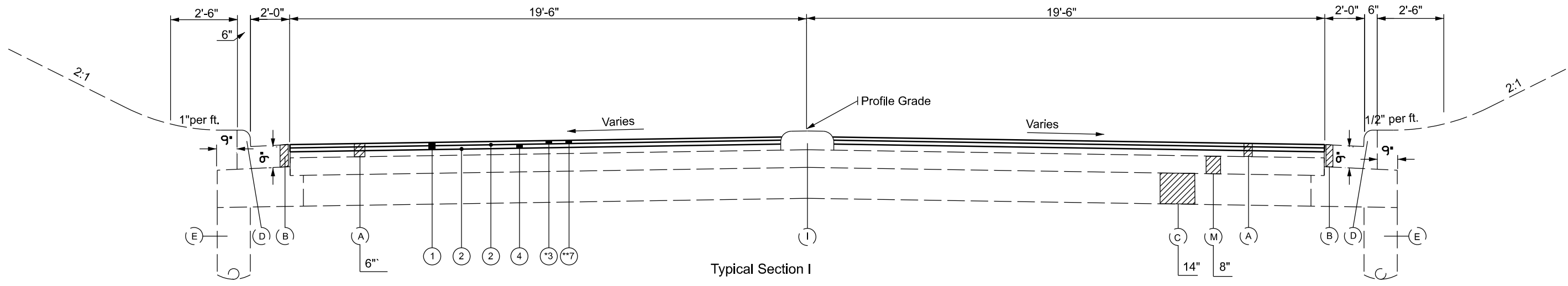
Typical Section A
 Typical Section Applies from Sta. 962+46.78 to 1008+48 = 4601.22 Lin. FT.



Typical Section B
 Typical Section Applies from: Sta. 1008+48 to 1026+10.08 = 1762.08 Lin. Ft.
 Typical Section Applies from: Sta. 1027+34.19 to 1028+85.3 = 151.11 Lin. Ft.

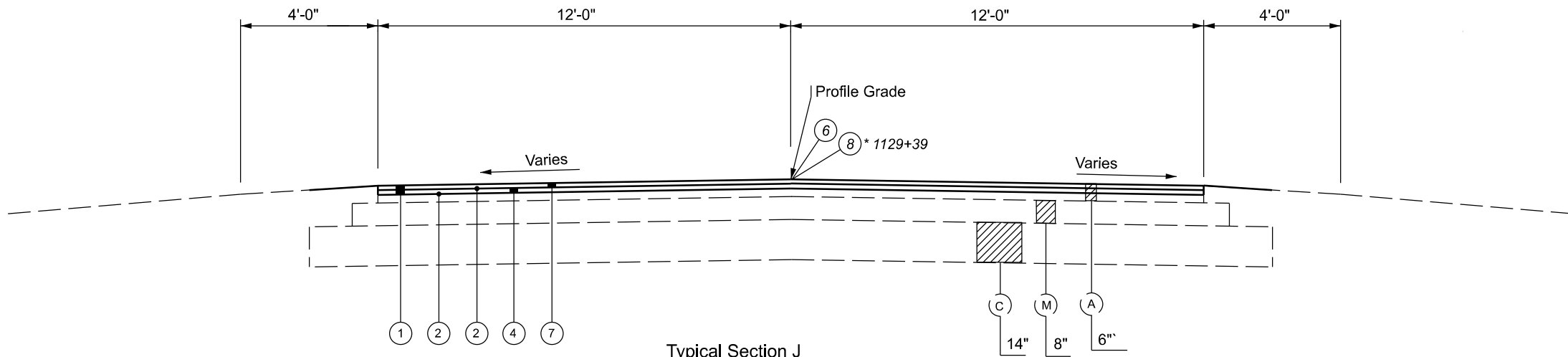
Legend

- | | |
|--|---|
| <ul style="list-style-type: none"> ① Item 254 - Pavement Planing, Asphalt Concrete ② Item 407 - Non Tracking Tack Coat ③ Item 442 - 1 1/2" Asphalt Concrete Surface Course, 12.5mm, Type A (446), As Per Plan, PG76-22M ④ Item 442 - 1 3/4" Asphalt Concrete Intermediate Course, 19mm, Type A (446) ⑤ Item 617 - Compacted Aggregate and Item 209 Linear Grading ⑥ Item 872 - Void Reducing Asphalt Membrane (VRAM) ⑦ Item 442 - 1 1/2" Asphalt Concrete Surface Course, 12.5mm, Type A (446) ⑧ Item 874 - Longitudinal Joint Preparation ⑨ Diamond Grinding As Per Plan | <ul style="list-style-type: none"> (A) Existing Asphalt Concrete (B) Existing Portland Cement Concrete Base (C) Existing Subbase (D) Existing Concrete Curb (E) Existing Underdrains (F) Existing Concrete Sidewalk (G) Existing Brick (H) Existing Aggregate Shoulder (I) Existing Precast White Concrete Traffic Divider (J) Existing Guard Rail (K) Existing Aggregate Base (L) Existing Wood Ties and Rails (M) Existing Macadam |
|--|---|



Typical Section I

- * Typical Section Applies from: Sta. 1106+00 to 1107+74 = 174 Lin. Ft.
- * Typical Section Applies from: Sta. 1107+74 to 1108+88 = 114 Lin. Ft.
- ** Typical Section Applies from: Sta. 1108+88 to 1111+50 = 262 Lin. Ft.
550 Lin. Ft.



Typical Section J

Typical Section Applies from: Sta. 1113+00 to 1268+68.06 = 15568.06 Lin. Ft.
15568.06 Lin. Ft.

DESIGN AGENCY	
DESIGNER	JWZ
REVIEWER	JMF MM-DD-YY
PROJECT ID	101295
SHEET	TOTAL
5	36

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

- | | |
|--|---|
| TOLEDO EDISON
6099 ANGOLA RD
HOLLAND, OH 43528
419-249-5218 | FULTON CTY PUBLIC UTILITIES
9306 CO RD 14
WAUSEON, OH 43567
419-337-9263 |
| OHIO GAS COMPANY
P.O. BOX 528
BRYAN, OH 43506
800-331-7396 | WINDSTREAM
6777 ENGLE RD, SUITE E
MIDDLEBURG HEIGHTS, OH 44130
440-214-0209 |
| VILLAGE OF DELTA
401 MAIN ST
DESHLER, OH 43516
419-822-3190 | WINDSTREAM
6777 ENGLE RD
SUITE E
MIDDLEBURG HEIGHTS, OH 44130
440-214-0209 |
| MCI
120 RAVINE AVE.
AKRON, OH 44303
330-253-8267 | LEVEL 3 COMMUNICATIONS, LLC
1025 EL DORADO BLVD.
BROOMFIELD, CO 80021
512-742-1428 |
| RIDGEVILLE TEL. COM.
5732 COUNTY RD. 20B
RIDGEVILLE CORNERS,
OH 43555
419-267-5185 | CHARTER TELECOM.
3760 INTERCHANGE DR.
COLUMBUS, OH 43402
614-255-6340 |

UNDERGROUND UTILITIES NEAR GUARDRAIL INSTALLATION

EXTREME CAUTION SHOULD BE EXERCISED IN THE AREAS WITH UNDERGROUND WATERLINES, DRAINS, CABLES, SEWERS OR OTHER UTILITIES. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ALL DAMAGE INFLICTED ON UNDERGROUND UTILITIES IN THE EXECUTION OF THIS CONTRACT. SECTIONS 105.07 AND 107.16 OF THE OHIO DEPARTMENT OF TRANSPORTATION MATERIALS AND SPECIFICATIONS REQUIRE, AMONG OTHER THINGS THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ANY UTILITIES THAT MAY BE AFFECTED BY THE WORK PERFORMED FOR THIS CONTRACT. THE CONTRACTOR SHALL NOTIFY THE UTILITIES SUFFICIENTLY BEFORE WORK BEGINS SO THAT THE COMPANIES CAN LOCATE AND MARK THE LOCATION OF THEIR FACILITIES BEFORE ANY EXCAVATION OR POST DRIVING BEGINS. THE CONTRACTOR SHALL ALSO LOCATE AND AVOID UNDERGROUND DRAINAGE PIPES NOT ASSOCIATED WITH A PARTICULAR UTILITY COMPANY.

IF ANY CONFLICTS OCCUR THE ENGINEER SHALL DETERMINE WHETHER THE POSITION OF THE GUARDRAIL CAN BE ADJUSTED TO AVOID THE UTILITY OR IF RELOCATION OF THE UTILITY WILL BE REQUIRED.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. THE PROPOSED ASPHALT CONCRETE OVERLAY SHALL BE AS SHOWN ON THE TYPICAL SECTIONS.

WORK LIMITS

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.

PAVEMENT MARKINGS

THE CONTRACTOR SHALL MAKE NOTE OF ALL EXISTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS BEFORE PERFORMING ANY WORK. ESTIMATED QUANTITIES HAVE BEEN INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER.

PLANED SURFACES

NO PLANED SURFACES SHALL BE OPEN TO THE PUBLIC FOR MORE THAN 7 DAYS. IF THE PLANED SURFACE IS OPEN FOR MORE THAN 7 DAYS, THEN IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THE PAVEMENT FAILURES THAT OCCURRED AFTER THE 7 DAYS.

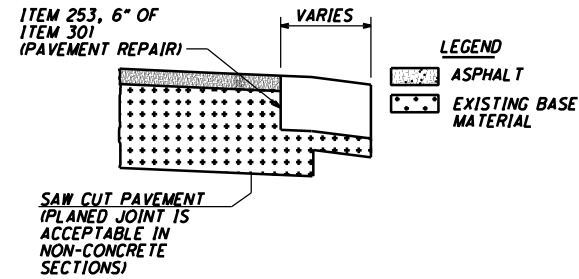
ITEM 253, PAVEMENT REPAIR:

ALL EXISTING PAVEMENT AREAS WHICH WILL BE IN CONTACT WITH THE PAVEMENT REPAIR SHALL BE COATED WITH PG GRADE LIQUID ASPHALT (SIDES AND BOTTOM) AT AN APPLICATION RATE OF 0.25 GAL. PER SQ YD.

THE FOLLOWING ESTIMATED QUANTITY ARE TO BE USED FOR 6" PAVEMENT REPAIRS FOR FUL-20A AS DIRECTED BY THE ENGINEER AND BASED ON VARYING LOCATIONS AND WIDTH WITHIN THE PAVEMENT.

US 20A MAINLINE = 1452 CU YD
 TOTAL = 1452 CU YD

DETAIL FOR CALCULATION PURPOSES ONLY. PLACEMENT IS AT THE CONSTRUCTION ENGINEERS DISCRETION. QUANTITY CARRIED TO THE GENERAL SUMMARY.



NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

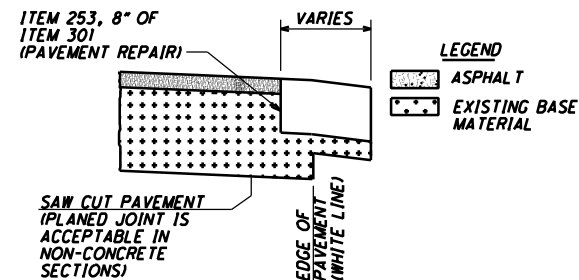
ITEM 253, PAVEMENT REPAIR:

ALL EXISTING PAVEMENT AREAS WHICH WILL BE IN CONTACT WITH THE PAVEMENT REPAIR SHALL BE COATED WITH PG GRADE LIQUID ASPHALT (SIDES AND BOTTOM) AT AN APPLICATION RATE OF 0.25 GAL. PER SQ YD.

THE FOLLOWING ESTIMATED QUANTITY ARE TO BE USED FOR 6" PAVEMENT REPAIRS FOR FUL-109 AS DIRECTED BY THE ENGINEER AND BASED ON VARYING WIDTHS ON BOTH SIDES OF THE ROAD.

SR 109 MAINLINE = 238 CU YD
 TOTAL = 238 CU YD

DETAIL FOR CALCULATION PURPOSES ONLY. PLACEMENT IS AT THE CONSTRUCTION ENGINEERS DISCRETION. QUANTITY CARRIED TO THE GENERAL SUMMARY.



NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXTREME CARE SHALL BE TAKEN TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LONGITUDINAL JOINTS SHALL BE LAPPED AS SHOWN ON SCD BP-3.1.

ITEM 209, PREPARING SUBGRADE FOR SHOULDER PAVING

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

FUL-20A
 TOTAL = 8.53 MILES

A QUANTITY OF 8.53 MILES HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR PREPARING SUBGRADE FOR SHOULDERS.

MISCELLANEOUS ITEMS FOR GUARDRAIL

THE FOLLOWING ITEMS ARE TO BE USED AS DIRECTED BY THE ENGINEER. THE ESTIMATED QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY AND ARE TO BE USED FOR PROPOSED GUARDRAIL RUNS:

- | | |
|---|--------|
| ITEM 203 - EMBANKMENT | 100 CY |
| ITEM 601 - CRUSHED AGGREGATE SLOPE PROTECTION | 100 CY |

EMBANKMENT SHALL BE USED TO OBTAIN A GRADED SLOPE OF 10:1 OR FLATTER THROUGHOUT THE GUARDRAIL RUN UP TO FACE OF GUARDRAIL.

CRUSHED AGGREGATE SLOPE PROTECTION SHALL BE USED IN AREAS OF OBVIOUS EROSION TO GRADED SHOULDER.

MONUMENT BOX

IF THE CONTRACTOR REMOVES OR DISTURBS ANY MONUMENT BOX ASSEMBLIES DURING CONSTRUCTION, THEN THEY WILL NEED TO HAVE A REGISTERED SURVEYOR CERTIFY THAT THE MONUMENTS HAVE BEEN RESET AT THE PRE-DISTURBED LOCATION AND PER THE OHIO ADMINISTRATIVE CODE CHAPTER 4733-37, "STANDARDS FOR BOUNDARY SURVEYS". THE CONTRACTOR IS TO FORWARD A COPY OF SAID CERTIFICATION TO THE PROJECT ENGINEER, AND THE DISTRICT SURVEY OPERATIONS MANAGER FOR REVIEW. (SEE EXAMPLE)

I, JOHN D. DOE, P.S. HEREBY CERTIFY THAT THE CENTERLINE MONUMENTATION HAS BEEN RESET AT THE PRECONSTRUCTION LOCATIONS DURING PROJECT CTY-RT-SEC, PID 00000. ALL OF MY WORK CONTAINED HEREIN WAS CONDUCTED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 4733-37 COMMONLY KNOWN AS "A MINIMUM STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO" UNLESS OTHERWISE NOTED. THE WORDS I AND MY AS USED HEREIN ARE TO MEAN MYSELF OR SOMEONE UNDER MY DIRECT SUPERVISION.

ALL SURVEY MONUMENTS SET AND/OR RESET BY THE CONSTRUCTION CONTRACTOR'S SURVEYOR SHALL BE CONSTRUCTED ACCORDING TO STANDARD CONSTRUCTION DRAWING RM-1.1.

A QUANTITY OF 1 MONUMENT BOX ADJUSTED TO GRADE HAS BEEN CARRIED TO THE GENERAL SUMMARY AS A CONTINGENCY QUANTITY

ENVIRONMENTAL COMMITMENTS

FOR QUESTIONS, CONTACT ODOT DISTRICT 2 ENVIRONMENTAL COORDINATOR, PHOENIX NEAL (419) 373-4329.

THE CONTRACTOR SHALL PERFORM ALL WORK WITHIN THE EXISTING RIGHT OF WAY.

SAFETY EDGE

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A,(446)

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A (446)

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A,(446)
 $\frac{24130 \text{ FT} * 0.031}{27} * 2 = 55.4 \text{ CU YD}$

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446)
 $\frac{24130 \text{ FT} * 0.0127}{27} * 2 = 22.7 \text{ CU YD}$

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, AS PER PLAN

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446), AS PER PLAN SHALL FOLLOW THE SPECIFICATIONS FOR THE 446 ITEM EXCEPT FOR SECTION 442.04 ASPHALT BINDER. THE BINDER SHALL BE PG76-22M FOR THE SURFACE COURSE AND A MAXIMUM OF 15% OF RAP BY DRY WEIGHT OF MIX CAN BE USED

DIAMOND GRINDING AS PER PLAN

DIAMOND GRIND THE CONCRETE PAVEMENT IN THE EASTBOUND LANE FROM STA. 1043+95.32 TO STA. 1047+35.71 @ THE INTERSECTION OF US 20A AND SR 109 AND IN THE WESTBOUND LANE FROM STA. 1047+67.74 TO STA. 1051+64.18 @ THE INTERSECTION OF US 20A AND SR 109 AFTER COMPLETING THE WORK.

WORK WITH THE DISTRICT TO CREATE A GRINDING PLAN PRIOR TO PERFORMING ANY DIAMOND GRINDING. BLANKET GRIND THE AREA SO THE LOCALIZED ROUGHNESS DOES NOT EXCEED AN IRI OF OVER 200 IN 25 FEET FOR MORE THAN 10% OF THE LENGTH OF THE CONCRETE SECTION AND HAS NO LOCALIZED ROUGHNESS OVER 250 IN 25 FEET. AFTER COMPLETING DIAMOND GRINDING OF THE CONCRETE PAVEMENT, GROOVE THE PAVEMENT ACCORDING TO 511.17. THIS GROOVING WILL BE INCLUDED IN THE COST OF THE DIAMOND GRINDING, AS PER PLAN.

US 20A AND SR 109 CONCRETE INTERSECTION

- | | |
|--|----------|
| FOR TRANSVERSE CRACKS USE | |
| ITEM 258 RETROFIT DOWEL BAR | 122 EACH |
| ITEM 202 PAVEMENT REMOVED | 252.6 SY |
| ITEM 255 JOINT REPAIR | 67 SY |
| ITEM 255 FULL DEPTH PAVEMENT SAWING | 320 FT |
| FOR PAVEMENT REPLACEMENT USE | |
| ITEM 452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC IP | 252.6 SY |

CONTINGENCY QUANTITIES

THE FOLLOWING ITEMS HAVE BEEN INCLUDED AS A CONTINGENCY QUANTITY TO BE APPROVED BY THE PROJECT ENGINEER AND CARRIED TO THE GENERAL SUMMARY.

- | | |
|---|--------|
| ITEM 611 - CATCH BASIN ADJUSTED TO GRADE | 7 EACH |
| ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE | 4 EACH |
| ITEM 611 - MANHOLE ADJUSTED TO GRADE | 4 EACH |
| ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE | 3 EACH |
| ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE | 1 EACH |
| ITEM 638 - VALVE BOX ADJUSTED TO GRADE | 2 EACH |

AIR SPEED ZONE MARKINGS

AIR SPEED ZONE MARKINGS SHALL BE WHITE AND 24 INCHES WIDE MEASURED IN THE DIRECTION OF TRAVEL AND 4 FEET IN LENGTH. ON TWO-LANE ROADWAYS WITH PAVED SHOULDERS LESS THAN 4 FEET IN WIDTH, THE AIR SPEED ZONE MARKINGS SHALL BE PLACED WITH 2 FEET ON EACH SIDE OF THE CENTER LINE OR EDGE LINE MARKINGS. WHEN PAVED SHOULDERS OF SUFFICIENT WIDTH ARE AVAILABLE, THE AIR SPEED ZONE MARKINGS SHALL BE PLACED ON THE SHOULDERS. AN AIR SPEED ZONE CONSISTS OF MARKINGS AT 0.25-MILE INTERVALS FOR A MINIMUM OF 1 MILE IN LENGTH ALONG THE ROADWAY.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE MARKINGS LAID OUT BY A REGISTERED SURVEYOR. A RECORD IS TO BE KEPT AND ONE ORIGINAL SIGNED AND SEALED DOCUMENT IS TO BE SENT TO THE DISTRICT TRAFFIC ENGINEER AND ONE COPY IS TO BE SENT TO THE DISTRICT CONSTRUCTION ENGINEER. MATERIALS, EQUIPMENT AND APPLICATION SHALL BE ACCORDING TO THE TYPE OF PAVEMENT MARKING MATERIAL USED. PAYMENT WILL BE FOR EACH 24-INCH-WIDE BY 4 FEET LONG MARKING AND SHALL INCLUDE THE PAVEMENT MARKING MATERIAL USED AND THE SURVEYING WORK.

ASPHALT CONCRETE FOR DRIVEWAYS

THE FOLLOWING ESTIMATED QUANTITY FOR ASPHALT CONCRETE IS TO BE USED FOR DRIVEWAYS AS DIRECTED BY THE ENGINEER:

- | | |
|---|------------|
| ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A(446) | 241 CU YD |
| ITEM 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A(446) | 281 CU YD |
| PAVEMENT PLANING, ASPHALT CONCRETE | 5772 SO YD |
| NON-TRACKING TACK COAT - 0.085 | 490 GAL |
| NON-TRACKING TACK COAT - 0.055 | 317 GAL |
| TOTAL CARRIED TO THE GENERAL SUMMARY | |

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET ___ OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: OHIO STATE PLANE, SOUTH ZONE
MONUMENT TYPE: NAD83 (2011)

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOD 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION:
COORDINATE SYSTEM: OHIO STATE PLANE, SOUTH ZONE
COMBINED SCALE FACTOR: 1.00002576
ORIGIN OF COORDINATE SYSTEM: (0,0)

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH

UNITS ARE IN U.S. SURVEY FEET.

US 20A AND SR 109 INTERSECTION MAINTENANCE OF TRAFFIC

THE ROAD SHALL BE CLOSED TO TRAFFIC AND DETOURED AS PER THE ROAD CLOSURE DETOUR. ROAD CLOSURE SHOULD NOT EXCEED 10 DAYS. DAMAGES IN THE AMOUNT OF \$5000 SHALL BE ASSESSED FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

<p>U.S. 20A</p>	<p>US 20A SHALL BE CLOSED TO TRAFFIC. FROM STA. 1043+95.32 TO STA. 1051+64.18.</p> <p>US 20A CLOSURE DETOUR:</p> <p>EASTBOUND US 20A EAST TO SR 109 NORTH SR 109 NORTH TO US 20 EAST US 20 EAST TO SR 64 SOUTH SR 64 SOUTH TO US 20A EAST</p> <p>WESTBOUND US 20A WEST TO SR 64 NORTH SR 64 NORTH TO US 20 WEST US 20 WEST TO SR 109 SOUTH SR 109 SOUTH TO US 20 WEST</p>
<p>SR 109</p>	<p>SR 109 SHALL BE CLOSED TO TRAFFIC. FROM STA. 335+00 TO STA. 335+36.69.</p> <p>SR 109 CLOSURE DETOUR:</p> <p>NORTHBOUND SR 109 NORTH TO US 6/24 WEST US 6 /24 WEST TO SR 108 NORTH SR 108 NORTH TO US 20A EAST US 20A EAST TO SR 109 NORTH</p> <p>SOUTHBOUND SR 109 SOUTH TO US 20A WEST US 20A WEST TO SR 108 SOUTH SR 108 SOUTH TO US 6 /24 EAST US 6 /24 EAST TO SR 109 SOUTH</p>

MAINTENANCE OF TRAFFIC NOTES

FUL-20A/109-18.23/5.85

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DESIGN AGENCY



DESIGNER

JWZ

REVIEWER

JMF MM-DD-YY

PROJECT ID

101295

SHEET TOTAL

13 36


FUL-20A/109-18.23/5.85

MODEL: Sheet_PAPER SIZE: 17x11 (in.) DATE: 2/8/2021 TIME: 2:09:12 PM USER: jzlems
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STATION RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	209	254	257	407	407	442	442	442	617	618	618	872	874											
								LINEAR GRADING	PAVEMENT PLANING, ASPHALT CONCRETE	DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT	NON-TRACKING TACK COAT-0.085	NON-TRACKING TACK COAT-0.055	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	COMPACTED AGGREGATE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	VOID REDUCING ASPHALT MEMBRANE (VRAM)	LONGITUDINAL JOINT PREPARATION	FT	FT									
962+46.78	TO	967+00.00	A	LT/RT	453.22	30.5	1535.91	0.17	1535.91		130.55	84.48	64.00	74.66		18.18	0.17	0.09								453.22					
967+00.00	TO	972+00.00	A	LT/RT	500.00	30.8	1711.11	0.19	1711.11		145.44	94.11	71.30	83.18		20.06	0.19	0.09								500.00					
972+00.00	TO	977+00.00	A	LT/RT	500.00	31.1	1727.78	0.19	1727.78		146.86	95.03	71.99	83.99		20.06	0.19	0.09								500.00					
977+00.00	TO	982+00.00	A	LT/RT	500.00	30.2	1677.78	0.19	1677.78		142.61	92.28	69.91	81.56		20.06	0.19	0.09								500.00					
982+00.00	TO	987+00.00	A	LT/RT	500.00	30.0	1666.67	0.19	1666.67		141.67	91.67	69.44	81.02		20.06	0.19	0.09								500.00					
987+00.00	TO	992+00.00	A	LT/RT	500.00	30.6	1700.00	0.19	1700.00		144.50	93.50	70.83	82.64		20.06	0.19	0.09								500.00					
992+00.00	TO	997+00.00	A	LT/RT	500.00	30.2	1677.78	0.19	1677.78		142.61	92.28	69.91	81.56		20.06	0.19	0.09								500.00					
997+00.00	TO	1002+00.00	A	LT/RT	500.00	30.7	1705.56	0.19	1705.56		144.97	93.81	71.06	82.91		20.06	0.19	0.09								500.00					
1002+00.00	TO	1007+00.00	A	LT/RT	500.00	31.1	1727.78	0.19	1727.78		146.86	95.03	71.99	83.99		20.06	0.19	0.09								500.00					
1007+00.00	TO	1012+00.00	A,B	LT/RT	500.00	29.7	1650.00		1650.00		140.25	90.75	68.75	80.21					500.00												
1012+00.00	TO	1017+00.00	B	LT/RT	500.00	28.3	1572.22		1572.22		133.64	86.47	65.51	76.43					500.00												
1017+00.00	TO	1022+00.00	B	LT/RT	500.00	28.4	1577.78		1577.78		134.11	86.78	65.74	76.70					500.00												
1022+00.00	TO	1026+10.08	B	LT/RT	410.08	31.6	1439.84		1439.84		122.39	79.19	59.99	69.99					410.08												
1027+34.19	TO	1032+00.00	B,C	LT/RT	465.81	41.5	2147.90		2147.90		182.57	118.13	89.50	104.41					465.81												
1032+00.00	TO	1037+00.00	C,D	LT/RT	500.00	55.6	3088.89		3088.89		262.56	169.89	128.70	150.15					500.00												
1037+00.00	TO	1042+00.00	D	LT/RT	500.00	50.6	2811.11		2811.11		238.94	154.61	117.13	136.65					500.00												
1042+00.00	TO	1047+00.00	D,E	LT/RT	500.00	39.9	2216.67		2216.67	756.42	188.42	121.92	92.36	107.75					500.00												
1047+00.00	TO	1052+00.00	E,F	LT/RT	500.00	37.9	2105.56		2105.56	880.98	178.97	115.81	87.73	102.35					500.00												
1052+00.00	TO	1057+00.00	F	LT/RT	500.00	34.1	1894.44		1894.44		161.03	104.19	78.94	92.09					500.00												
1057+00.00	TO	1062+00.00	F	LT/RT	500.00	34.8	1933.33		1933.33		164.33	106.33	80.56	93.98					500.00												
1062+00.00	TO	1067+00.00	F	LT/RT	500.00	34.9	1938.89		1938.89		164.81	106.64	80.79	94.25					500.00												
1067+00.00	TO	1072+00.00	F	LT/RT	500.00	34.9	1938.89		1938.89		164.81	106.64	80.79	94.25					500.00												
1072+00.00	TO	1077+00.00	F,G	LT/RT	500.00	32.5	1805.56	0.19	1805.56		153.47	99.31	75.23	87.77		20.06			500.00												
1077+00.00	TO	1082+00.00	G	LT/RT	500.00	31.0	1722.22	0.19	1722.22		146.39	94.72	71.76	83.72		20.06			500.00												
1082+00.00	TO	1087+00.00	G,H	LT/RT	500.00	31.4	1744.44	0.19	1744.44		148.28	95.94	72.69	84.80		20.06			500.00												
1087+00.00	TO	1092+00.00	H	LT/RT	500.00	30.7	1705.56	0.19	1705.56		144.97	93.81	71.06	82.91		20.06			500.00												
1092+00.00	TO	1097+00.00	H	LT/RT	500.00	30.4	1688.89	0.19	1688.89		143.56	92.89	70.37	82.10		20.06			500.00												
1097+00.00	TO	1102+00.00	H	LT/RT	500.00	33.1	1838.89	0.19	1838.89		156.31	101.14	76.62	89.39		20.06			500.00												
1102+00.00	TO	1107+00.00	H,I	LT/RT	500.00	36.5	2027.78	0.19	2027.78		172.36	111.53	84.49	98.57		20.06			500.00												
1107+00.00	TO	1112+00.00	H,I	LT/RT	500.00	37.8	2100.00	0.19	2100.00		178.50	115.50	87.50	102.08		20.06			500.00												
1112+00.00	TO	1117+00.00	H,J	LT/RT	500.00	34.4	1911.11	0.19	1911.11		162.44	105.11	79.63	92.90		20.06			500.00												
1117+00.00	TO	1122+00.00	J	LT/RT	500.00	29.9	1661.11	0.19	1661.11		141.19	91.36	69.21	80.75		20.06			500.00												
1122+00.00	TO	1135+00.00	J	LT/RT	1300.00	30.6	4420.00	0.49	4420.00		375.70	243.10		214.86	184.17	52.16	0.49	0.25								1300.00					
1135+00.00	TO	1140+00.00	J	LT/RT	500.00	31.2	1733.33	0.19	1733.33		147.33	95.33		84.26	72.22	20.06	0.19	0.09								500.00					
1140+00.00	TO	1145+00.00	J	LT/RT	500.00	30.3	1683.33	0.19	1683.33		143.08	92.58		81.83	70.14	20.06	0.19	0.09								500.00					
1145+00.00	TO	1150+00.00	J	LT/RT	500.00	29.7	1650.00	0.19	1650.00		140.25	90.75		80.21	68.75	20.06	0.19	0.09								500.00					
1150+00.00	TO	1173+00.00	J	LT/RT	2300.00	30.0	7666.67	0.87	7666.67		651.67	421.67		372.69	319.44	92.28	0.87	0.44								2300.00					
1173+00.00	TO	1225+00.00	J	LT/RT	5200.00	30.3	17506.67	1.97	17506.67		1488.07	962.87		851.02	729.44	208.64	1.97	0.98								5200.00					
1225+00.00	TO	1268+68.06	J	LT/RT	4368.06	30.0	14560.20	1.65	14560.20		1237.62	800.81		707.79	606.68	175.26	1.65	0.83								4368.06					
308+88.00	TO	314+00.00	K-N	LT/RT	512.00	28.5	1621.33		1621.33		89.17		67.56						512.00												
314+00.00	TO	319+00.00	N,O	LT/RT	500.00	28.9	1605.56		1605.56		88.31		66.90						500.00												
319+00.00	TO	324+00.00	O	LT/RT	500.00	29.8	1655.56		1655.56		91.06		68.98						500.00												
324+00.00	TO	329+00.00	O,P	LT/RT	500.00	31.6	1755.56		1755.56		96.56		73.15						500.00												
329+00.00	TO	335+00.00	P	LT/RT	600	34.0	2266.67		2266.67		124.67		94.44						600.00												
SUBTOTALS								9.14	117776.29	1637.40	9743.86	5987.96	2856.51	5292.37	2050.84	967.78	7.24	3.58	13987.89	19121.28											
TOTALS CARRIED TO GENERAL SUMMARY								10	117777	1638	9744	5988	2857	5293	2051	968	8	4	13988	19122											

SEE SHEET 34-36 FOR BRIDGE PLAN
ONLY REMOVING 1.5" OF SURFACE AND REPLACING
STA. 1147+13.00 TO STA. 1148+01.50

DESIGN AGENCY



DESIGNER
JWZ

REVIEWER
JMF MM-DD-YY

PROJECT ID
101295

SHEET TOTAL
16 | 36

SUB SUMMARY

REF NO.	SHEET NO.	STATION TO STATION		621	621	621	642	642	642	642	644	644	644	644	644	644	
				RPM WHITE	RPM YELLOW/YELLOW	RAISED PAVEMENT MARKER REMOVED	EDGE LINE, 6", TYPE 1	CENTER LINE, TYPE 1 DASHED	CENTER LINE, TYPE 1 DASHED/SOLID	CENTER LINE, TYPE 1 DOUBLE SOLID	PARKING LOT STALL MARKING	CROSSWALK LINE	STOP LINE	CHANNELIZING LINE, 12"	TRANSVERSE/DIAGONAL LINE	LANE ARROW	SPEED MEASUREMENT MARKING
				EACH	EACH	EACH	MILE	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH
US 20A																	
15		962+46.78	TO	977+00.00		18	18	0.55	0.56								
16		977+00.00	TO	992+00.00		19	19	0.57	0.56								
17		992+00.00	TO	1007+00.00		19	19	0.57	0.56								
18		1007+00.00	TO	1022+00.00		19	19	0.06	0.28								
19		1022+00.00	TO	1037+00.00		19	19		0.11	0.07	0.09	800	99		27	23	
20		1037+00.00	TO	1052+00.00		19	19			0.09	0.19	1048	656	80	98	62	1
21		1052+00.00	TO	1067+00.00		19	19		0.28				252				
22		1067+00.00	TO	1082+00.00		19	19	0.3	0.21	0.07							
23		1082+00.00	TO	1097+00.00		19	19	0.57		0.08	0.2						
24		1097+00.00	TO	1112+00.00	10	19	29	0.57			0.43				82		
25		1112+00.00	TO	1135+00.00		29	29	0.87		0.27	0.17						
26		1135+00.00	TO	1150+00.00		19	19	0.57	0.16	0.5							
27		1150+00.00	TO	1268+68.06		148	148	4.5	3.98	0.6							6
SR 109																	
28		308+88.00	TO	324+00.00					0.05	0.11							
29		324+00.00	TO	335+00.00					0.03	0.13		108	16				
TOTALS CARRIED TO GENERAL SUMMARY				10	385	395	10	6.8	1.9	1.1	1848	1115	96	125	167	1	6

REF NO.	SHEET NO.	STATION TO STATION		202	202	202	202	202	209	606	606	606	606	606	606	606	606	614
				GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	ANCHOR ASSEMBLY REMOVED, TYPE T	ANCHOR ASSEMBLY REMOVED, TYPE B	BRIDGE TERMINAL ASSEMBLY REMOVED	RESHAPING UNDER GUARDRAIL	GUARDRAIL, TYPE MGS	GUARDRAIL, TYPE MGS WITH LONG POSTS	ANCHOR ASSEMBLY, MGS TYPE B	ANCHOR ASSEMBLY, MGS TYPE E	ANCHOR ASSEMBLY, MGS TYPE T	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	BRIDGE TERMINAL ASSEMBLY, TYPE 4	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL), AS PER PLAN	BARRIER REFLECTOR, TYPE 1
				FT	EACH	EACH	EACH	EACH	STA	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH
GR-1	15	964+98.24	TO	968+97.87	200			2	2	3	200				2			5
GR-2	15	966+74.08	TO	970+73.62	200			2	2	3	200				2			5
GR-3	15,16	976+52.86	TO	981+75.59	425	2				6	425			2				5
GR-4	15,16	976+78.86	TO	980+94.38	350	1	1			4	350			1	1			4
GR-5	18	1013+57.46	TO	1021+80.44	725	2				8		725		2				9
GR-6	19	1025+30.20	TO	1029+62.34	187.5	1	1		2	3		187.5		1	1	2		7
GR-7	19	1025+97.42	TO	1027+79.21	25		2		2	2		25			2	2		6
GR-8	24	1103+31.00	TO	1105+78.20	412.5	1	1		2	5	412.5			1	1	2		7
GR-9	24	1104+41.72	TO	1106+46.54	337.5	1	1		2	4	337.5			1	1	2	1	7
GR-10	26	1145+24.38	TO	1149+03.56	187.5	2			2	4	187.5			2			2	6
GR-11	26	1146+24.74	TO	1149+53.06	162.5	1	1		2	4	162.5			1	1		2	6
TOTALS CARRIED TO GENERAL SUMMARY				3213	11	7	4	16	46	2275	938	4	11	7	12	4	1	67

SUB SUMMARY

DESIGN AGENCY



DESIGNER
JWZ

REVIEWER
JWZ MM-DD-YY

PROJECT ID
101295

SHEET TOTAL
17 36