

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

REQUIRED AT LOCATIONS INDICATED HEREIN: SOUTHEAST CORNER OF S.R. 237 AND BAKER STREET SOUTHEAST CORNER OF S.R. 237 AND NORTH ROCKY RIVER DRIVE



STATE OF OHIO DEPARTMENT OF TRANSPORTATION CUY-237-03.75

CITY OF BEREA CUYAHOGA COUNTY

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	SUPPLEMENTAL SPECIFICATIONS									
BP-2.1	07/17/15	CB-3A	07/16/21	TC-71.10	07/16/21	MT-95.31	07/19/19		800-2023	SEE PROPOSAL
BP-2.2	01/15/21	MH-3	07/21/23	TC-74.10	07/21/23	MT-95.32	04/19/19		821	04/20/12
BP-2.5	07/19/13	DM-1.1	07/17/20	TC-82.10	07/19/19	MT-97.10	04/19/19		832	07/21/23
BP-3.1	01/17/20	DM-1.2	07/16/21			MT-97.12	01/20/17	(872	01/21/22
BP-4.1	07/19/13	DM-4.4	01/15/16			MT-99.20	04/19/19		874	04/17/20
BP-5.1	07/16/21					MT-101.90	07/17/20		875	01/18/19
BP-7.1	07/21/23					MT-102.20	04/19/19		921	04/20/12
						MT-105.10	01/17/20			
						MT-110.10	07/19/13			
									CDECIAL	
									PROVI	SIONS

FEDERAL PROJECT NUMBER

E230828

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT INCLUDES ASPHALT RESURFACING AND PAVEMENT BASE REPAIR ALONG APPROXIMATELY 0.53 MILES OF SR 237 FROM BAKER STREET TO BAGLEY ROAD IN THE CITY OF BEREA. IMPROVEMENTS ALSO INCLUDE INSTALLATION OF ADA COMPLIANT CURB RAMPS, CASTING ADJUSTMENTS AND PAVEMENT MARKINGS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/ ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/ NOTICE OF INTENT EARTH DISTURBED AREA: N/ *ROUTINE MAINTENANCE PROJECT

N/A ACRES N/A ACRES N/A* ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

I/=

John Picuri, P.E., S.I. DISTRICT 12 DEPUTY DIRECTOR

KML

yck Marchbanks, PhD Director, Department of Transportation



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TITLE SHEET

CVC-

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CJD

REVIEWER WP 10/09/2

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DRAINAGE

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.

STRUCTURES ADJUSTED TO GRADE, RECONSTRUCTED TO GRADE OR REPLACED, AS PER PLAN

ALL ADJUSTMENT, RECONSTRUCTION OR REPLACED WORK, EXCEPT FOR THOSE STRUCTURES OWNED BY PRIVATE COMPANIES, SHALL BE PERFORMED BY THE CONTRACTOR, WHERE APPLICABLE. THE TIME BETWEEN RESETTING THE CASTINGS AND RESURFACING SHALL BE KEPT TO AN ABSOLUTE MINIMUM.

CASTINGS SHALL ADJUSTED OR RECONSTRUCTED TO GRADE IN ACCORDANCE WITH 611.10 USING CLAY BRICKS (704.01), CLASS C CONCRETE AND/OR CONCRETE MORTAR, OR PER 638.18 AND AS SPECIFIED BELOW FOR SERVICE BOX AND VALVE BOX ADJUSTMENTS. MAXIMUM CONCRETE MORTAR THICKNESS IS 1-1/2".

THE CONTRACTOR SHALL RESET EXISTING VALVE BOXES OR EXISTING CURB SHUT-OFF VALVE BOXES TO ESTABLISHED GRADE BY RAISING OR LOWERING THE EXISTING CASTINGS OR BY EITHER ADDING, DELETING OR CUTTING THE APPROPRIATE VALVE BOX STEM SELECTIONS. IN RAISING OF THE CASTINGS, NOT INSERTS WILL BE PERMITTED. ANY VALVE BOXES OR CURB SHUT-OFF VALVE BOXES FOUND TO BE DAMAGED OR UNSUITABLE FOR REUSE SHALL BE REPLACED BY THE CONTRACTOR AND PAID FOR UNDER ITEM SPECIAL - MISCELLANEOUS METAL. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY AS REQUIRED OR AS ORDERED TO COMPLETE THE ITEM.

ALL EXISTING CASTINGS FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD CHECKED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED AS DIRECTED BY THE ENGINEER UNLESS OTHERWISE INDICATED ON THE PLAN. REPLACEMENT CASTINGS ARE PAID UNDER ITEM SPECIAL - MISCELLANEOUS METAL.

THE ENGINEER WILL STIPULATE THE WORK REQUIRED FOR ITEM 611 BASED ON THE GUIDELINES STIPULATED BELOW:

1. ADJUST TO GRADE, AS PER PLAN SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 AS NECESSARY TO RAISE THE EXISTING/NEW CASTING NO MORE THAN ONE (1) FOOT FROM ITS EXISTING ELEVATION OR TO LOWER THE EXISTING CASTING/NEW CASTING NO MORE THAN SIX (6) INCHES FROM ITS EXISTING ELEVATION. IN ADDITION, THIS WILL INCLUDE ANY SUPPORTING WALL REPAIR WORK NECESSARY, UP TO ONE (1) FOOT BELOW THE TOP OF THE EXISTING SUPPORTING WALL.

> PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 611) ADJUSTED TO GRADE.

2. RECONSTRUCT TO GRADE, AS PER PLAN SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 AS NECESSARY AND SHALL ALSO INCLUDE EXISTING/NEW CASTINGS RAISED MORE THAN ONE (1) FOOT FROM THEIR EXISTING ELEVATION OR LOWERED MORE THAN SIX (6) INCHES FROM THEIR EXISTING ELEVATION. IN ADDITION, THIS WILL INCLUDE ANY SUPPORTING WALL REPAIR WORK NECESSARY, MORE THAN ONE (1) FOOT BELOW THE TOP OF THE EXISTING SUPPORTING WALL.

> THE WORK LIMIT SHALL BE SPECIFIED BY THE ENGINEER AND PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 611) RECONSTRUCTED TO GRADE.

NO MORE THAN ONE (1) OF THE ABOVE PAYMENT ITEMS SHALL BE USED PER STRUCTURE.

STRUCTURES ADJUSTED TO GRADE, RECONSTRUCTED TO GRADE OR REPLACED, AS PER PLAN (CONT.)

ADDITIONALLY, WHILE ADJUSTING OR RECONSTRUCTING DRAINAGE MANHOLES TO GRADE, THE CONTRACTOR SHALL ROTATE ALL CASTINGS AWAY FROM CONFLICTS WITH THE PROPOSED CURBS.

RECONSTRUCT TO GRADE, AS PER PLAN SHALL NOT BE PERFORMED UNLESS SPECIFICALLY INDICATED IN THE PLANS OR OTHERWISE ORDERED BY THE ENGINEER. ANY SUCH WORK MADE NECESSARY DUE TO THE CONTRACTOR'S NEGLIGENT OPERATIONS, AS DETERMINED BY THE ENGINEER, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

TOPSOIL, SEEDING AND MULCHING REQUIRED ADJACENT TO CATCH BASIN OR INLET CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. SEEDING MIX SHALL CONFORM TO ODOT CMS 659.08 HIGH QUALITY SEEDS, CLASS 1.

AT LOCATIONS MARKED ON THE PLANS AND AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF IMPACTED SIDEWALK ADJACENT TO CATCH BASINS BEING ADJUSTED OR RECONSTRUCTED TO GRADE AT NO ADDITIONAL COST.

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	11 EACH
ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	4 EACH
ITEM 611 - INLET ADJUSTED TO GRADE, AS PER PLAN	10 EACH
ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN	27 EACH
ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	9 EACH
ITEM 638 - VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	12 EACH

THE FOLLOWING QUANTITY IS PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 611, DRAINAGE STRUCTURES.



ITEM 611 - INLET RECONSTRUCTED TO GRADE, AS PER PLAN

ITEM 305 - 8" CONCRETE BASE, CLASS QC 1P

THIS ITEM OF WORK INCLUDES THE REMOVAL AND REPLACEMENT OF THE UPPER BOX SECTION OF THE PAVEMENT INLET (INCLUDING CONCRETE APRON) AS IDENTIFIED IN THE PLANS AND/OR DIRECTED BY THE ENGINEER.

ANY DEBRIS AND SEDIMENT INSIDE EXISTING PAVEMENT INLETS SHALL BE REMOVED ONCE THE UPPER BOX SECTION HAS BEEN REMOVED AND PRIOR TO THE PLACEMENT OF THE NEW UPPER BOX SECTION.

ALL COSTS AS DESCRIBED IN THE WORK ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER ITEM 611 - INLET RECONSTRUCTED TO GRADE, AS PER PLAN.

IN ADDITION TO THE PLAN ESTIMATED QUANTITIES, THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 611 - INLET RECONSTRUCTED TO GRADE, AS PER PLAN 4 EACH

ITEM SPECIAL - MISCELLANEOUS METAL

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. FURNISH MATERIALS PER 611 WITH PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM SPECIAL - MISCELLANEOUS METAL 20.000 POUNDS

REPLACE EXISTING CASTINGS DAMAGED BY CONTRACTOR NEGLIGENCE, AS DETERMINED BY THE ENGINEER, AS THE EXPENSE OF THE CONTRACTOR

PAVEMENT

PROFILE AND ALIGNMENT

OF 2.5 INCHES).

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN

EXCEPT AS MODIFIED HEREIN.

251.02 REMOVAL OF EXISTING PAVEMENT APPROVED REMOVAL METHODS SHALL SATISFACTORILY ESTABLISH A NEAT VERTICAL FACE ALONG THE ENTIRE PERIMETER OF THE REPAIR AREA IN ORDER TO SUBSEQUENTLY PERMIT THE PROPER PLACEMENT AND COMPACTION OF THE ASPHALT CONCRETE PATCHING MATERIAL. THE PARTIAL DEPTH REPAIR WIDTH SHALL BE NO LESS THAN TWO (2) FEET. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, REMOVAL DEPTHS SHALL VARY FROM A ONE AND A HALF (1-1/2) MINIMUM TO A THREE (3) INCH MAXIMUM.

PARTIALLY EMBEDDED STEEL MESH EXPOSED SHALL BE WIRE-BRUSHED OR OTHERWISE CLEANED TO REMOVE ALL LOOSE RUST. LOOSENED OR TOTALLY EXPOSED WIRE MESH REINFORCING SHALL BE CUT AND REMOVED AS REQUIRED WITHOUT DISPLACEMENT OF DISRUPTION TO THE REINFORCEMENT AND/OR PAVEMENT TO REMAIN.

251.05 BASIS OF PAYMENT AS DIRECTED BY THE ENGINEER:

> ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN 736 SO YD

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

WITH ITEM 254.

AT THE APPROACH SLABS, WHERE THERE IS MORE THAN 2.5" OF ASPHALT, THE CONTRACTOR SHALL PLANE OFF ALL OF THE EXISTING ASPHALT.

THE INTENT OF THE PLANING IS TO MILL THE SPECIFIED DEPTH ALONG THE CURB CONTINGENT ON THE FOLLOWING: THE MAXIMUM CROSS SLOPE SHALL BE 0.02 WHILE THE MINIMUM CROSS SLOPE SHALL BE 0.01. THE PREFERRED CROSS SLOPE IS 0.016. THE CROWN OF THE PAVEMENT SHALL BE LOCATED BETWEEN THE TRAVELED LANES, OR WHERE DETERMINED BY THE ENGINEER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CURB, TO PRODUCE A CROSS SLOPE IN CONFORMANCE WITH THE ABOVE GUIDELINES. THE MINIMUM CURB REVEAL SHALL BE 4" PREFERRED AND 3" MINIMUM.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE DURATION OF TIME BETWEEN PLANING THE ASPHALT AND PLACING THE INTERMEDIATE COURSE SHALL BE KEPT TO A MINIMUM. IN NO INSTANCE SHALL THE TIME EXCEED 30-CALENDAR DAYS. THE LIMIT SHALL BEGIN ON THE FIRST DAY OF PLANING. AND SHALL CONTINUE BASED ON CALENDAR DAYS, MINUS ANY BAD WEATHER DAYS, UNTIL COMPLETION OF THE ASPHALT CONCRETE INTERMEDIATE COURSE. THIS IS TO ENSURE THAT THE POTENTIAL DEGRADATION OF THE EXPOSED PAVEMENT DUE TO TRAFFIC IS KEPT TO A MINIMUM.

IN THE EVENT THAT THE TIME BETWEEN EXPOSING THE PAVEMENT AND PLACING THE ASPHALT INTERMEDIATE COURSE EXCEEDS 7-CALENDAR DAYS, LIQUIDATED DAMAGES AS PER 108.07 OF THE C&MS SHALL BE ASSESSED.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN.

ഫ -237-03.7 PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY (WITH A UNIFORM THICKNESS

WHEN THIS ITEM IS CALLED FOR ON THE PLANS OR IN THE PROPOSAL, ALL APPLICABLE PROVISIONS OF ITEM 251, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL APPLY

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE

CONTRACTOR SHALL BEGIN PAVEMENT PLANING OPERATION AT CENTERLINE AT PAVEMENT AND THEN PLANE OFF ALL OF THE EXISTING ASPHALT ON TOP OF THE CONCRETE BASE IN ACCORDANCE



PAVEMENT (CONTINUED)

ITEM 254 - PAVEMENT PLANING. PORTLAND CEMENT CONCRETE. AS PER PLAN

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER, TO GRIND THE EXISTING CONCRETE BASE IN ORDER TO ACHIEVE A 3" MINIMUM CURB REVEAL

ITEM 254 - PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, AS PER PLAN 488 SQ YD

ITEM 254 - PATCHING PLANED SURFACE

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER. TO PATCH PLANED SURFACES THAT HAVE SPALLING OR DISLODGED UNSOUND PAVEMENT:

ITEM 254 - PATCHING PLANED SURFACE 736 SQ YD

ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1, AS PER PLAN

WORK FOR THIS ITEM IS CALLED FOR ON THE PLANS. ALL APPLICABLE PROVISIONS FOR ITEM 255, AS SET FORTH IN THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATION, SHALL APPLY EXCEPT AS MODIFIED HEREIN AND AS OTHERWISE DETAILED OR SPECIFIED.

AFTER THE WEARING COURSE IS REMOVED, THE CONTRACTOR SHALL CLEAN THE MILLED/PLANED SURFACE FOR INSPECTION BY THE ENGINEER. THE ENGINEER SHALL IDENTIFY THE AREAS REQUIRING FULL DEPTH REMOVAL AND RIGID REPLACEMENT. THE FULL DEPTH RIGID PAVEMENT REMOVAL WORK SHALL INCLUDE THE REMOVAL OF DETERIORATED ASPHALT, BRICK, AND/OR CONCRETE PAVEMENT UNDER MILLED SURFACE, INCLUDING OLD UTILITY TRENCH AREAS AND OTHER PAVEMENT PATCH AREAS ALONG THE MAILING OF VARIOUS PAVEMENT COMPOSITIONS, REGARDLESS OF SHAPE OR SIZE. SEE DETAIL ON SHEET 5.

FULL DEPTH SAW CUTS SHALL BE MADE ALONG THE ENTIRE PERIMETER OF THE GENERALLY RECTANGULAR SHAPED REMOVAL AREAS, IN ORDER TO ESTABLISH NEAT VERTICAL FACES. THE COST OF ALL SAW CUTTING WORK SHALL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM. THE CONTRACTOR SHALL USE APPROVED METHODS FOR REMOVAL OF THE FULL DEPTH PAVEMENT REPLACEMENT AREAS, THAT WILL MINIMIZE DAMAGE TO THE SURROUNDING AREA.

THE SUBGRADE SHALL BE CORRECTED PER 255.04 TAKING CARE TO THOROUGHLY COMPACT WITH PROPER MOISTURE CONTROL. USING TAMPERS OR ROLLERS AS NECESSARY TO ACHIEVE ACCEPTABLE COMPACTION. THE COST OF THIS SUBGRADE WORK IS INCLUDED WITH THIS PAY ITFM.

THE FULL DEPTH RIGID REPLACEMENT SHALL INCLUDE 203 EXCAVATION, 204 SUBGRADE COMPACTION, SAW CUTTING, REMOVAL OF ASPHALT, BRICK, CONCRETE BASE, AND SUBBASE, PLACEMENT OF NEW 304 AGGREGATE BASE (IF NECESSARY), DOWELS PER ODOT SCD BP-2.2, AND PLACEMENT OF A CONCRETE PAVEMENT BASE COURSE AS SHOWN ON SHEET 5. IN ADDITION TO CMS SPECIFICATIONS, NO SLAG OF ANY KIND IS PERMITEED FOR USE AS 304 AGGREGATE BASE. THE TOP OF THE CONCRETE SHALL BE CONSTRUCTED TO THE SAME DEPTH AS THE CONCRETE BASE SURROUNDING THE REPAIR AREA, USING DOWEL BARS. #5X TIE BARS SHALL BE REQUIRED, AS PER ODOT SCD BP-2.1. IN ADDITION, DOWELS SHALL BE REQUIRE, AS PER ODOT SCD BP-2.2. NO EXPANSION ANCHORS WILL BE PERMITTED.

FULL DEPTH REPAIRS 10 FEET OR LONGER MUST CONTAIN MESH REINFORCING.

THE FOLLOWING CONTINGENCY QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1, AS PER PLAN 1.700 SQ YD

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), AS PER PLAN (PG70-22M)

THE COURSE AGGREGATE FOR THIS ITEM SHALL BE A BLEND OF 60% MIN. AIR COOLED BLAST FURNACE SLAG (ACBFS) OR TRAP ROCK FROM ONTARIO WITH LIMESTONE COMPRISING THE REMAINING PERCENTAGE.

RECYCLED MATERIAL USED IN THE SURFACE COURSE SHALL BE LIMITED TO A MAXIMUM OF 10%.

ASPHALT CONCRETE SURFACE COURSE SEALING REQUIREMENTS

IN ADDITION TO THE GUTTER SEALING REQUIREMENTS SPECIFIED IN SCD BP-3.1 AND C&MS 401.15, THE CONTRACTOR SHALL SEAL THE FOLLOWING LOCATIONS:

- ALL CASTINGS INCLUDING BUT NOT LIMITED TO MONUMENTS, MANHOLES, WATER VALVES, CATCH BASINS, CURB INLETS.
- BUTT JOINTS AND FEATHER JOINTS INCLUDING BRIDGE APPROACHES.
- FORWARD JOINT FOR DRIVEWAY ASPHALT AND TRAILING JOINT WHEN BUTTING TO EXISTING ASPHALT DRIVE.
- PERIMETER OF ALL PAVEMENT REPAIRS OR OTHER ASPHALT INLAYS WHEN THE REPAIR/INLAYS ARE NOT OVERLAID WITH AN ASPHALT CONCRETE SURFACE COURSE.
- ALL COLD TRANSVERSE CONSTRUCTION JOINTS PER 401.17.
- ALL COLD LONGITUDINAL JOINTS BETWEEN PAVED SHOULDERS AND GUARDRAIL ASPHALT.

THE MATERIAL USED SHALL BE A CERTIFIED 702.01 BINDER. THE WIDTH OF THE SEALER SHALL BE 2 INCHES

ANY ADDITIONAL COSTS ASSOCIATED WITH THE WORK IDENTIFIED IN THIS NOTE SHALL BE INCLUDED IN THE APPROPRIATE ASPHALT CONCRETE SURFACE COURSE ITEM OF WORK.

ITEM 609 - CURB, TYPE 6, AS PER PLAN

ITEM 609 - CURB, TYPE 6, AS PER PLAN SHALL CONFORM TO ALL REQUIREMENTS OF ITEM 609 EXCEPT THAT THE NOSING OF THE PROPOSED CURB SHALL MATCH ADJACENT EXISTING CURBING.

CAST-IN-PLACE CONCRETE SHALL BE PROVIDED IN ACCORDANCE WITH THE ODOT CMS, EXCEPT THE MINIMUM CEMENT CONTENT OF THE MIX SHALL BE 650 LBS. PER CUBIC YARD.

TOPSOIL, SEEDING AND MULCHING AND LINEAR GRADING REQUIRED ADJACENT TO CURB CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. SEEDING MIX SHALL CONFORM TO ODOT CMS 659.09-1 HIGH QUALITY SEEDS, CLASS 1.

THE FOLLOWING CONTINGENCY QUANTITY IS CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER TO REPLACE CURB.

ITEM 609 - CURB, TYPE 6, AS PER PLAN 1,876 FT

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 305 - 8" CONCRETE BASE. CLASS QC 1P



THE ABOVE QUANTITY IS BASED ON A 305 THICKNESS OF 8 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

CLASS QC MS

APRON REPLACEMENTS.

THE ENGINEER.

AT ALL TIMES.

CLASS 1.

ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC .: SURCHARGE FOR CLASS MS CONCRETE



450 SY



GENERAL NOTES

SHEET NUM.														PART.		ITEM	GRAND			SEE	
	8	9	10	11	14	15	18	19	20					01/MPO/0 5	ITEM	EXT	TOTAL	UNIT	DESCRIPTION	SHEET NO.	
																			ROADWAY		
							115		44					159	202	23000	159	SY	PAVEMENT REMOVED		
	2,261							27						2,288	202	30001	2,288	SF	WALK REMOVED, AS PER PLAN	8	
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	661							560						1,221	608	10001	1,221	SF	4" CONCRETE WALK, AS PER PLAN	8	
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		11												11	611	98631	11	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	9	
		4												4	611	98635	4	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	9	
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		20,000												20,000	SPECIAL	61199820	20,000	LB	MISCELLANEOUS METAL	9	
																			PAVEMENT	_	
		736								_				736	251	01001	736	SY	PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN	9	
ВM							14,367							14,367	254	01001	14,367	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (2.5" UNIFORM PLANING)	9	
01.d							345							345	254	01001	345	SY SV	PAVEINENT PLANNING, ASPHALT CONCRETE, AS PER PLAN (VARIES 2.75 TO 3.75)	10	
6SI			488											488	254	01011	488	SY	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE, AS PER PLAN (2:5' ONITOXIT PLANING)	10	
3176			400				-							400	234	01011	400	51		10	
ets/2			736				_							736	254	01600	736	SY	PATCHING PLANED SURFACE		
\she			1,700											1,700	255	10011	1,700	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1, AS PER PLAN	10	
dway		3	3											6	305	12010	6	SY	8" CONCRETE BASE, CLASS QC 1P		
Road							1							1	304	20000	1	СҮ	AGGREGATE BASE		
ering/							1,039							1,039	407	13900	1,039	GAL	ТАСК СОАТ, 702.13		DESIGN AGENCY
ginee															107					_	A 1
AM -							520					-		520	407	20000	820 521	GAL	NUN-IKALKING TALK LUAT	_	
. 4\40							521							521	441	70100	521		ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), PG70-22101		
E: 8:3 1131:							520		31	1		1	1	31	451	20000	31	SY	REINFORCED CONCRETE PAVEMENT, MISC.: 6" REINFORCED CONCRETE PAVEMENT, CLASS QC MS	10	ENGINEERING, LTD
TIMI			450			t		1	1	1	1	1	1	450	452	19200	450	SY	NON-REINFORCED CONCRETE PAVEMENT, MISC.: SURCHARGE FOR CLASS MS CONCRETE	10	CLEVELAND, OHIO 44146
rurfac																					FAX: (440) 439-1999 FAX: (440) 439-1969
7 Res			1,876					92					4	1,968	609	26001	1,968	FT	CURB, TYPE 6, AS PER PLAN	10	
SR 23			ļ				_	-	1	1	1	+ $ -$	hum	0.42	874	21000	0.42	MILE	LONGITUDINAL JOINT PREPARATION		REVIEWER
ea - 5							_										·				CWP 10/09/23
- Bei		17					_	1	1		1	1		12	628	10201	12	FΔСH	VALER WORK	٥	PROJECT ID
3176		12				1	-		1	1	1	1	1	15	0.00	10001	15	LACH			SHEET TOTAL
P:\2									1	1	1	1	1	1							16 31