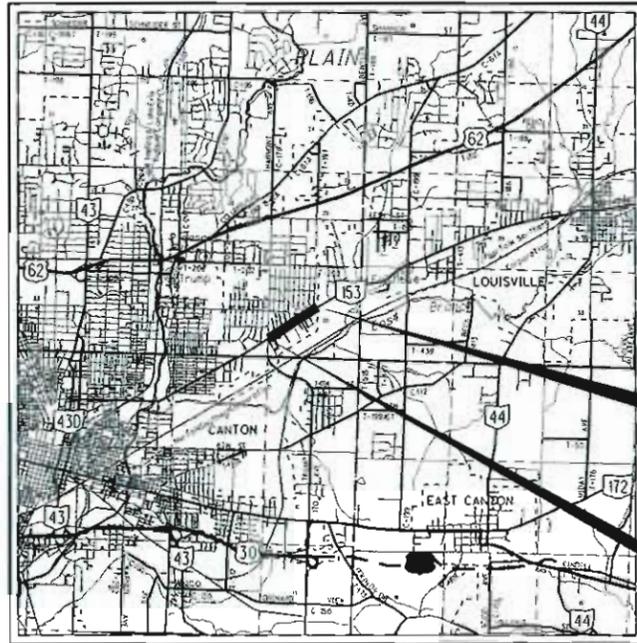


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
STA-153-2.37
PART 2
CITY OF CANTON
STARK COUNTY
FOR PART 1, SEE STA-153-1.70



LOCATION MAP

LATITUDE: N40°45'09" LONGITUDE: W81°26'58"



PORTION TO BE IMPROVED	-----
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	-----
STATE ROUTES	-----
COUNTY & TOWNSHIP ROADS	-----
OTHER ROADS	-----

DESIGN DESIGNATION

DESIGN SPEED	-----	40 MPH
LEGAL SPEED	-----	35 MPH
DESIGN FUNCTIONAL CLASSIFICATION:		
OTHER PRINCIPAL ARTERIAL URBAN		
NHS PROJECT	-----	YES

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS UNDERGROUND
PROTECTION SERVICE CALL: **1-800-925-0988**

PLAN PREPARED BY:
ODOT - DISTRICT 4 PLANNING & ENGINEERING
2088 SOUTH ARLINGTON RD.
AKRON, OHIO 44306

ENGINEERS SEAL:



SIGNED: *Amal Goza*
DATE: 3/3/2014

INDEX OF SHEETS:

TITLE SHEET	1
TYPICAL SECTIONS	2
GENERAL NOTES	3
MAINTENANCE OF TRAFFIC	4
GENERAL SUMMARY	5
SUBSUMMARIES	6
PLAN SHEETS	7
TRAFFIC CONTROL	8

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
		SEE PART 1		SEE PART 1	SEE PART 1

PROJECT DESCRIPTION

RESURFACING 0.63 MILES OF S.R. 153 FROM HARMONT AVENUE (SLM 2.37) TO CANTON EAST CORP LINE (SLM 3.00) IN THE CITY OF CANTON, STARK COUNTY, OHIO.

PROJECT EARTH DISTURBED AREA: 0.02 ACRES
ESTIMATED CONTRACTOR EDA: N/A (MAINTENANCE PROJECT)
NOTICE OF INTENT EDA: N/A (MAINTENANCE PROJECT)

2013 SPECIFICATIONS

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

I HEREBY APPROVED 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.

APPROVED: *[Signature]*
DATE: 3-3-14 DISTRICT DEPUTY DIRECTOR

APPROVED: _____
DATE: _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. **E110(538)**

PID NO. **90361**

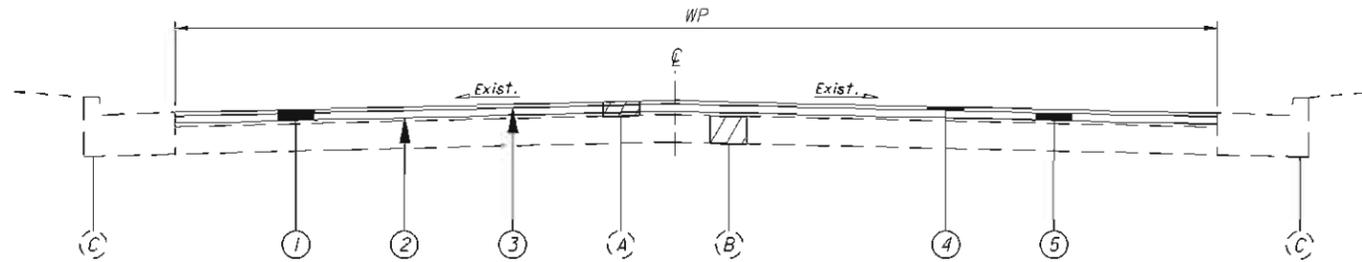
CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT **NONE**

STA-153-2.37

1
8

I:\Projects\STA\92235_153-0215\92235\roadway\shenit\92235\92235\92235.dgn 03-MAR-2014 12:41 PM



TYPICAL 1. SECTION APPLIES:

ROUTE	SLM		WP (FEET)	LENGTH (MILES)
	FROM	TO		
S.R. 627	2.37	3.00	35.00	0.63
TOTAL =				0.63

PROPOSED

- (1) 254, 2 1/4" PAVEMENT PLANING, ASPHALT CONCRETE
- (2) 407, TACK COAT
- (3) 407, TACK COAT FOR INTERMEDIATE COURSE
- (4) 424, 3/4" FINE GRADED POLYMER ASPHALT CONCRETE, TYPE A, AS PER PLAN
- (5) 448, 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22

EXISTING

- (A) EXISTING 3"± ASPHALT CONCRETE SURFACE
- (B) EXISTING 7"± BITUMINOUS BASE
- (C) EXISTING CURB AND GUTTER

UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS:

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO & GAS PROCEDURES UNDERGROUND PROTECTION SERVICE (OGPUPS), THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEAD-QUARTERS AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY)
OGPUPS 1-800-925-0988
QDOT 330-786-3145 KEN GREENE

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY 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.

INTERSECTIONS

INTERSECTIONS WILL BE RESURFACED 2 FT. BEYOND THE EDGE LINE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED IN THE PLAN. INTERSECTIONS SHALL BE PAVED AFTER COMPLETION OF THE SURFACE COURSE OR WITH THE MAINLINE PAVEMENT IF THIS CAN BE ACCOMPLISHED WITHOUT CHANGING THE VELOCITY AND DIRECTION OF THE PAVER. USE THE SAME ASPHALT CONCRETE AS THE MAINLINE PAVEMENT. PROVIDE A SMOOTH TRANSITION TO THE EXISTING PAVEMENT. ANY GRADING OR PRIME NECESSARY TO ACCOMPLISH THIS WORK SHALL BE INCLUDED IN THE COST OF THE PERTINENT BID ITEM.

PAVEMENT MARKING LANE WIDTHS

THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS (AT LEAST 3 DAYS PRIOR TO PERFORMING THE WORK CONTACT THE TRAFFIC OFFICE AT 330-786-3147 TO CONFIRM THE WIDTHS:

ROUTE	S.L.M. TO S.L.M.	LANE WIDTH
SR 156	2.37 TO 3.00	12'

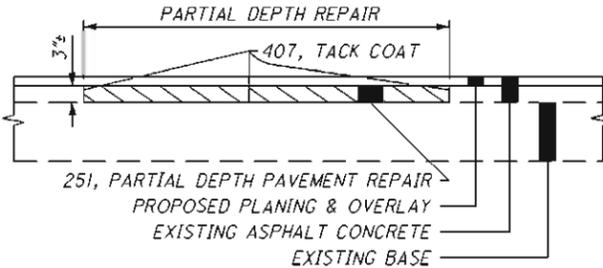
PAVEMENT MARKING DETAILS

THE PAVEMENT MARKING DETAIL SHEETS WILL BE SUPPLIED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 448 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE I PNEUMATIC TIRE ROLLER AND A STEEL WHEEL ROLLER AS PER 401.13. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN 7 DAYS OF THE COMPLETION OF MAINLINE PAVEMENT PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

251, PARTIAL DEPTH PAVEMENT REPAIR 50 50 YD



CURB RAMPS / DETECTABLE WARNINGS

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, INSTALLATION OF THE CURB RAMPS / DETECTABLE WARNINGS WILL BE PERFORMED PRIOR TO MAINLINE RESURFACING.

ITEM 424 - FINE GRADED POLYMER ASPHALT CONCRETE, TYPE A, AS PER PLAN

703.05 DO NOT USE FINE AGGREGATE FROM A SOURCE DESIGNATED 'SR' OR 'SRH' ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (OMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.

ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN

GRADE RINGS SHALL NOT BE USED TO ADJUST MANHOLES TO GRADE. ALL OTHER REQUIREMENTS SHALL STILL BE APPLICABLE. A QUANTITY OF THIS ITEM SHALL BE PROVIDED AND CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.
611, MANHOLE ADJUSTED TO GRADE, AS PER PLAN 14 EACH

ITEM 638, VALVE BOX ADJUSTED TO GRADE

A QUANTITY OF THIS ITEM SHALL BE PROVIDED AND CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.
638, VALVE BOX ADJUSTED TO GRADE 10 EACH

BEST MANAGEMENT PRACTICES

WATER COLUMN AND SEDIMENTATION IMPACTS SHALL BE KEPT TO A MINIMUM THROUGH THE USE OF BEST MANAGEMENT PRACTICES FOR SOIL EROSION AND SEDIMENTATION CONTROL. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EXCAVATION, GRADING OR FILLING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. THEY SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND THE AREA IS STABILIZED AS ACCEPTED BY THE ENGINEER.

NATURAL BUFFERS ADJACENT TO STREAMS AND WETLANDS SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE. EQUIPMENT STAGING AREAS SHALL BE KEPT WELL AWAY FROM STREAMS AND WETLANDS TO THE EXTENT PRACTICABLE. ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS SECTION 107.10 (PROTECTION AND RESTORATION OF PROPERTY) PROHIBITS THE CONTRACTOR FROM CREATING STAGING AREAS NEAR STREAMS/WETLANDS. AREAS DISTURBED BY THE PROJECT SHALL BE SEEDED/REVEGETATED WITH NATIVE PLANT SPECIES AND MULCHED DURING CONSTRUCTION TO ENCOURAGE ESTABLISHMENT OF VEGETATION COVER, DECREASE EROSION AND PREVENT EROSION OF SEDIMENTS INTO WATERS OF THE UNITED STATES.

ENDANGERED SPECIES - INDIANA BAT (MYOTIS SODALIS)

WHENEVER PRACTICABLE, UNAVOIDABLE CUTTING OF LIVING OR DEAD TREES OR SNAGS WITH EXFOLIATING, PEELING OR LOOSE BARK, SPLIT TRUNKS AND/OR BRANCHES OR CAVITIES TREES SHALL BE PERFORMED AFTER SEPTEMBER 30 AND BEFORE APRIL 1. IF AT ALL POSSIBLE, TREES CONTAINING SUITABLE INDIANA BAT ROOST HABITAT, THAT MUST BE REMOVED BY THE PROJECT BETWEEN APRIL 1 AND SEPTEMBER 30, SHALL BE MARKED BY THE CONTRACTOR FOR AVOIDANCE DURING THESE MONTHS.

SHOULD ADDITIONAL INFORMATION ON LISTED ENDANGERED/ THREATENED/POTENTIALLY THREATENED SPECIES OR THEIR CRITICAL HABITAT BECOME AVAILABLE, OR IF NEW INFORMATION REVEALS EFFECTS OF THIS PROJECT THAT WERE NOT PREVIOUSLY CONSIDERED, ODOT WILL REINITIATE CONSULTATION WITH THE USFWS ACCORDINGLY.

STARK ELECTRIC RAILWAY TRAIL

THE CONTRACTOR SHALL ADVISE THE ODOT PROJECT ENGINEER A MINIMUM OF EIGHTEEN (18) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE ODOT PROJECT ENGINEER WILL FORWARD PROJECT CONSTRUCTION SCHEDULE INFORMATION TO THE CITY OF CANTON AND THE STARK COUNTY PARK DISTRICT FOURTEEN (14) DAYS PRIOR TO THE START OF PROJECT CONSTRUCTION.

FOR WORK ENCRANCHING ON THE STARK ELECTRIC RAILWAY TRAIL, TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG THE PROPOSED CONSTRUCTION LIMITS IN PROXIMITY OF THE STARK ELECTRIC RAILWAY TRAIL PRIOR TO THE START OF CONSTRUCTION TO PROTECT THE SECTION 4(F) RESOURCE (PUBLIC RECREATIONAL LAND) AND THE PUBLIC. NO STAGING AND/OR STORAGE OF CONSTRUCTION EQUIPMENT AND/OR MATERIALS SHALL OCCUR BEYOND THE PROJECT CONSTRUCTION LIMITS WITHIN THE STARK ELECTRIC RAILWAY TRAIL FACILITY PROPERTY. NO TREES OR SHRUBS OR EXISTING TRAIL SIGNAGE SHALL BE IMPACTED ON THE STARK ELECTRIC RAILWAY TRAIL FACILITY PROPERTY AND GRASS AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED AND SEEDED TO MATCH PRE-CONSTRUCTION CONDITIONS.

SHORT DURATION CLOSURES/RESTRICTIONS OF THE STARK ELECTRIC RAILWAY TRAIL MAY BE NECESSARY TO PERFORM UTILITY CROSSINGS. IN SUCH INSTANCES, THE CONTRACTOR SHALL USE APPROPRIATE MAINTENANCE OF TRAFFIC TECHNIQUES TO ENSURE THE SAFETY OF TRAIL USERS. THE CONTRACTOR WILL BE REQUIRED TO INSTALL APPROPRIATE CLOSURE AND DETOUR SIGNS IN AREAS THAT WILL BE VISIBLE TO USERS OF THE TRAIL,

PRIOR TO CLOSURE AND MAINTAIN A TEMPORARY PATH AROUND ANY SECTIONS OF THE TRAIL TO BE CLOSED FOR THE DURATION OF THE PROJECT.

THE CONTRACTOR SHALL PROVIDE ADVANCE NOTICE TO THE ODOT PROJECT ENGINEER, CITY OF CANTON AND THE STARK COUNTY PARK DISTRICT A MINIMUM OF 48-HOURS PRIOR TO ANY IMPLEMENTATION OF A TRAIL RESTRICTION AND/OR CLOSURE AND POST DETOUR SIGNS AT LOCATIONS ALONG THE TRAIL THAT MEET ALL LOCAL AND STARK COUNTY PARK DISTRICT SPECIFICATIONS.

THE CONTRACTOR SHALL CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE WITH ODOT, THE CITY OF CANTON AND THE STARK COUNTY PARK DISTRICT.

Mr. Derek Gordon, Canton City Parks Director
City Service Center
2436 30th Street NE
Canton, OH 44705
Telephone: 330 489 3015

Mr. Bob Fonte, P.E., Stark County Park District Director
5300 Tyner Street NW
Canton, OH 44708
Telephone: 330 477 3552
Fax: 330 477 1211

COPERMITTEE NOTICE OF INTENT FOR COVERAGE UNDER OHIO EPA STORMWATER CONSTRUCTION GENERAL PERMIT

BECAUSE OVER 1.0 ACRE OF GROUND DISTURBANCE WILL OCCUR AS A RESULT OF THE PROJECT, A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER CONSTRUCTION GENERAL PERMIT WILL IS REQUIRED FROM THE OHIO EPA. THE NOTICE OF INTENT (NOI), PREPARED BY ODOT, AND OHIO EPA NPDES CONSTRUCTION STORM WATER GENERAL PERMIT SHALL BE PROVIDED TO THE CONTRACTOR BY ODOT PERSONNEL AT THE PRECONSTRUCTION MEETING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE COPERMITTEE NOTICE OF INTENT FOR COVERAGE UNDER OHIO EPA STORMWATER CONSTRUCTION GENERAL PERMIT AND SUBMITTING TO THE OHIO EPA FOR THEIR APPROVAL, ALONG WITH THE DEVELOPMENT OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP), BEFORE CONSTRUCTION ACTIVITY CAN TAKE PLACE.

SPECIFICATIONS SET FORTH IN THE MOST CURRENT VERSION OF ODOT'S "CONSTRUCTION AND MATERIAL SPECIFICATIONS, LOCATION AND DESIGN MANUAL AND STANDARD DRAWINGS" SHALL BE USED TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL, ALONG WITH ADDITIONAL PROTECTIVE MEASURES TO AVOID IMPACTS TO ADJACENT PROPERTIES AND WETLANDS FROM CONSTRUCTION ACTIVITIES. WATER COLUMN AND SEDIMENTATION IMPACTS SHALL BE KEPT TO A MINIMUM THROUGH THE USE OF BEST MANAGEMENT PRACTICES FOR SOIL EROSION AND SEDIMENTATION CONTROL. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IN PLACE PRIOR TO ANY EXCAVATION, GRADING OR FILLING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. THEY SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND THE AREA IS STABILIZED AS ACCEPTED BY THE ENGINEER. THEY SHALL ALSO COMPLY WITH ODOT'S "HANDBOOK FOR SEDIMENT AND EROSION CONTROL".

I:\Projects\STA\92235_Vroadway\sheet\92235GN001.dgn 04-MAR-2014 2:13PM agoza

CALCULATED
RCB
CHECKED
AAG

GENERAL NOTES

STA - 153 - 2.37

I:\Projects\STA\92235_153-0235\roadway\sheet\92235MN001.dgn 04-MAR-2014 2:13PM agoza

MAINTENANCE OF TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

1. A MINIMUM OF ONE TEN FOOT BIDIRECTIONAL LANE SHALL BE MAINTAINED ON THE EXISTING PAVEMENT AND COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.
2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
3. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY REMOVING AND/OR PLACING PAVEMENT MATERIALS.
4. TRUCK MOUNTED ATTENUATORS [TMA'S] SHALL BE USED AS SHOWN IN THE STANDARD CONSTRUCTION DRAWINGS.
5. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS ONE (1) MILE.
6. ONLY DURING OFF-PEAK PERIODS (i.e ANY PERIOD OTHER THAN 6-8AM AND 3-6PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.
7. IN ADDITION TO THE REQUIREMENTS OF 614.11 WORK ZONE PAVEMENT MARKINGS, AT THE END OF EACH DAY OF WORK, THE CONTRACTOR SHALL REPLACE (WITH WORK ZONE MARKINGS) ALL LANE, CENTER, STOP OR CHANNELIZING LINES THAT WERE REMOVED OR COVERED DURING THE PAVEMENT REMOVAL OR PLACEMENT OPERATIONS. QUANTITIES FOR SUCH PLACEMENT ARE CARRIED AS PART OF THE ITEMS LISTED UNDER 614 WORK ZONE PAVEMENT MARKINGS.
8. A QUANTITY OF 10 CU. YDS. OF ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.
9. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.

10. A QUANTITY OF ITEM 614 WORK ZONE MARKING SIGN HAS BEEN INCLUDED IN THE PLAN. THIS QUANTITY SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING SIGNS: W8-1 [BUMP], W6-3 [TWO-WAY TRAFFIC], R4-1 [DO NOT PASS], R4-2 [PASS WITH CARE], W8-11 [UNEVEN LANES]. THESE QUANTITIES SHALL BE AS PER 614.04.

THE FOLLOWING QUANTITIES SHALL BE USED FOR THE MAINTENANCE OF TRAFFIC ON THIS PROJECT:

PHASE I- PLANED SURFACE

- 614, WORK ZONE CENTER LINE, CLASS II, 1.23 MILE
- 614, WORK ZONE STOP LINE, CLASS I, 35 FT
- 614, WORK ZONE CHANNELIZING LINE, CLASS I, 160 FT
- 614, WORK ZONE MARKING SIGN,(ALL PHASES) 12 EACH

PHASE II- INTERMEDIATE COURSE

- 614, WORK ZONE CENTER LINE, CLASS II, 1.23 MILE
- 614, WORK ZONE STOP LINE, CLASS I, 35 FT
- 614, WORK ZONE CHANNELIZING LINE, CLASS I, 160 FT

PHASE III- SURFACE COURSE

- 614, WORK ZONE CENTERLINE, CLASS III, 642 PAINT 1.23 MILE
- 614, WORK ZONE STOP LINE, CLASS III, 642 PAINT 35 FT
- 614, WORK ZONE CHANNELIZING LINE, CLASS III, 642 PAINT 160 FT

ADVANCED NOTICE TO PAVE

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE DISTRICT CONSTRUCTION ENGINEER A DETAILED SCHEDULE 15 DAYS PRIOR TO THE PLACEMENT OF THE OVERLAY COURSES, ON HOW THEY PROPOSE TO PROSECUTE THE PAVING OPERATIONS. THE DETAILS SHALL SHOW THE ORDER OF PERFORMANCE OF EACH STAGE (START TO FINISH) OF THE WORK INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

TRAFFIC CONTROL INSPECTOR

THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL OTHER THAN THE SUPERINTENDENT AND SUBJECT TO THE APPROVAL OF THE ENGINEER, TO CONTINUOUSLY INSPECT ALL TRAFFIC CONTROL DEVICES WHENEVER CONSTRUCTION WORK IS BEING PERFORMED WITHIN THE WORK LIMITS OF THE PROJECT. THE DESIGNATED INDIVIDUAL SHALL ALSO INSPECT ALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR A QUALIFIED REPRESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISSING TRAFFIC CONTROL DEVICES. THESE INDIVIDUALS SHALL BE EQUIPPED WITH CELLULAR PHONES AND THEIR NAMES AND PHONE NUMBERS SHALL BE GIVEN TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION MEETING. THE DESIGNATED INDIVIDUAL MAY HAVE OTHER CONSTRUCTION RELATED DUTIES AS LONG AS IMMEDIATE ATTENTION IS GIVEN TO TRAFFIC CONTROL. PAYMENT FOR THE SERVICES OF THE TRAFFIC CONTROL INSPECTOR SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

WINTER TRAFFIC LIMITATIONS

ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC BETWEEN NOVEMBER 15 AND APRIL 1. NOVEMBER 14 SHALL BE CONSIDERED TO CONSTITUTE AN INTERIM COMPLETION DATE AND DISINCENTIVES OF \$500 SHALL BE ASSESSED FOR EACH CALENDAR DAY THAT THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT. THE CONTRACTOR MAY CLOSE LANES PRIOR TO APRIL 1 WITH WRITTEN APPROVAL FROM THE DISTRICT CONSTRUCTION ENGINEER.

ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	12:00N WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$3000 FOR EACH HOUR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

CALCULATED
CNC
CHECKED
LMP

MAINTENANCE OF TRAFFIC GENERAL NOTES

STA - 153 - 2.37

4
8

I:\Projects\STA\922235_153-0235\roadway\sheet\92235GC001.dgn 04-MAR-2014 2:13PM agozo

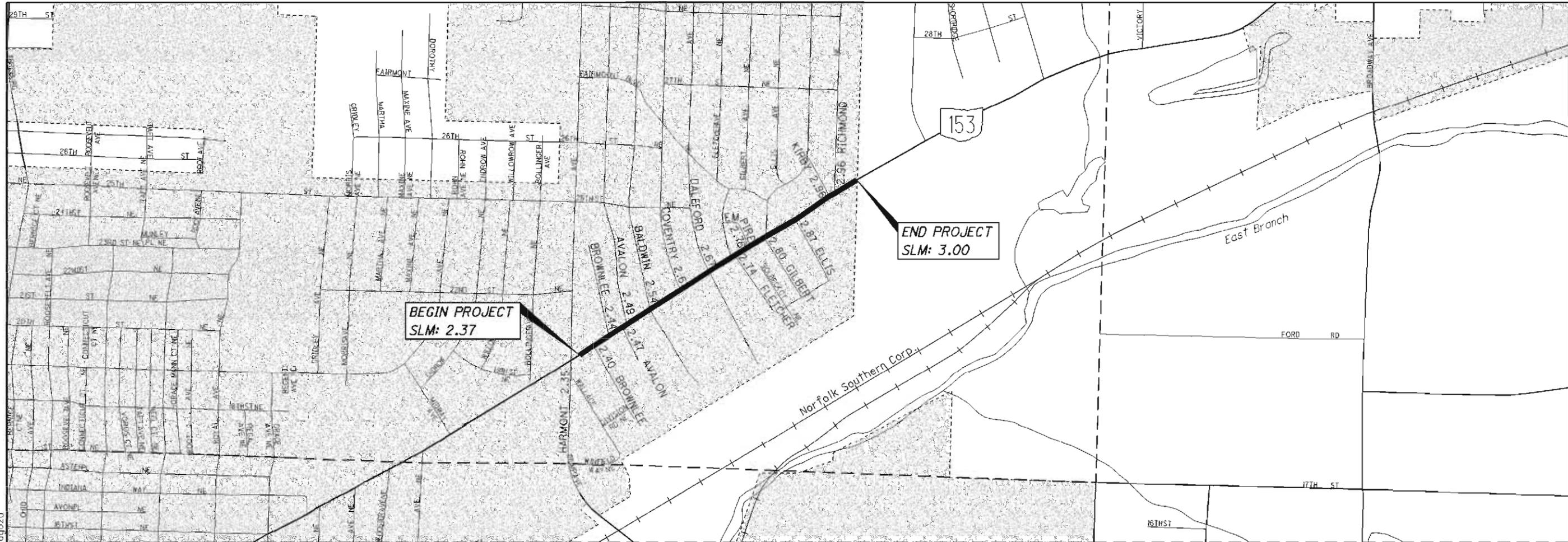
MAIN ROUTE	INTERSECTING ROUTE	QUADRANT RL=REAR LT, RR=REAR RT FL=FWD LT, FR=FWD RT (LOOKING UPSTATION)	CURB RAMP TYPE (SCD BP-7, 1, SHEET 2/3)	202	202	202	202	202	203	203	608	608	608	608	609	609	644	659
				PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT	WALK REMOVED	CURB REMOVED	CURB AND GUTTER REMOVED	EXCAVATION (FOR WALK OR CURB RAMP INSTALLATION)	EMBANKMENT	4" CONCRETE WALK	6" CONCRETE WALK	CURB RAMP	DETECTABLE WARNING	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 6	CROSSWALK LINE	SEEDING AND MULCHING
				SQ YD	SQ YD	SQ FT	FT	FT	CU YD	CU YD	SQ FT	SQ FT	SQ FT	SQ FT	FT	FT	FT	SQ YD
S.R. 153	BROWNLEE	RR		4.44							40		20			56	2	
		FR		4.44							40		20				2	
S.R. 153	BROWNLEE	FR			30						30		8				2	
		RL	C2		68.85							68.85					4	
		FL	C2		73.8							73.8					4	
S.R. 153	AVALON	RR		4.44							40		20			56	2	
		FR		4.44							40		20				2	
		RL	C2		64.5							64.5					4	
		FL	C2		64.5							64.5					4	
S.R. 153	BALDWIN	RR		4.44							40		20			70	2	
		FR		4.44							40		20				2	
		FL	C2		71							71					4	
S.R. 153	COVENTRY	RL	C2		78.75						78.75					4		
S.R. 153	DALEFORD	RR	B3	6.67			16						100			70	2	
		FR	B3	6.67			16						100				2	
		FR	B2		30								30				4	
		FL	C2		73								73				4	
S.R. 153	FLETCHER	RR	B2		30								30			60		
		RR	B3	6.67			16						100				2	
		FR	B3	6.67			16						100				2	
		RL	C2		71.5								71.5				4	
		FL	C2		71.5								71.5				4	
S.R. 153	EMPIRE	RR	B2		30							30						
S.R. 153	GILBERT	RR	B3	6.67			16						100			60	2	
		FR	B3	6.67			16						100				2	
	REMOVE EXIST.	FR			174		19		3.22					19			19.33	
	REVISE EXIST.	RL	A2		30							30					2	
	ADD LOCATION	RL	A2				7	1.00				71.5					3	
	NEW LOCATION	FL	A2		35		18					54		18			5	
S.R. 153	ELLIS	RR		4.44							40		20			56	2	
		FR		4.44							40		20				2	
		RR			51			0.63									5.67	
		FR	B2		24								24					
		FL	A2		45		7					45				2		
S.R. 153	KIRBY	RR	A2		120		12	0.15					150				3	
		RL	C2		81								81				4	
		FL	A2		37.5								37.5				2	
S.R. 153	RICHMOND	RL	A2		45								45				2	
		FL	A2		36								36					
SUBTOTALS				0	75.56	1435.9	0	159	1.15	3.85	350	0	1901.4	168	37	0	428	114.00
TOTALS CARRIED TO GENERAL SUMMARY				0	76	1436	0	159	2	4	350	0	1902	168	37	0	428	114

CURB RAMP SUBSUMMARY S.R. 153

STA - 153-2.37

CALCULATED
RCB
CHECKED
AAG

0
8



SLM RANGE			TYPICAL SECTION	SIDE	DISTANCE (D) FT	AVERAGE WIDTH (W) FT	SURFACE AREA (A) SQ YD A=DxW/8	CADD GENERATED AREA SQ YD	254	407	407	424	448										
2.37	TO	3.00							LT/RT	254	407	407	424	448									
									PAYEMENT PLANING, ASPHALT CONCRETE, 2 1/4" A	TACK COAT @ 0.15 GAL/SY	TACK COAT FOR INTERMEDIATE COURSE @ 0.04 GAL/SY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE A, AS PER PLAN, 3/4" (0.75xAY/36)	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, 1 1/2" (1.5xAY/36)										
									SQ YD	GALLON	GALLON	CU YD	CU YD										
					3326.40	35.00	12936.00		12936.00	1940.40	517.44	269.50	539.00										
INTERSECTIONS							292.44	292.44	43.87	11.70	6.09	12.19											
SUBTOTALS									13228.44	1984.27	529.14	275.59	551.19										
TOTALS CARRIED TO GENERAL SUMMARY									13229	1985	530	276	552										

PLAN SHEET
S.R. 153 - SLM 2.37 TO SLM 3.00

STA - 153 - 2.37

