## 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.

#### PROJECT CLEANUP

DUE TO THE NATURE OF THIS WORK THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO PROJECT CLEANUP. HE SHALL RESTORE THE PROJECT SITE TO A "AS GOOD AS OR BETTER" CONDITION THAN WHEN HE BEGAN CONSTRUCTION. THE CONTRACTOR AND PROJECT ENGINEER SHALL REVIEW AND ADDRESS ANY CONCERNS PRIOR TO AND AFTER CONSTRUCTION. FINAL PAYMENT SHALL BE WITHHELD UNTIL ALL PARTIES ARE SATISFIED AS TO THE CONDITION OF THE FINAL PRODUCT OR PROJECT SITE.

#### WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

#### <u>UTILITIES</u>

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

### CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 9 PM. AND 6 AM. IN ADDITION, ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

# PROTECTION OF RIGHT-OF-WAY LANDSCAPING

THE CONTRACTOR SHALL CONSTRICT ALL OF HIS/HER ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE HARDBARGER AND ROGOWSKI PROPERTY LOCATED TO THE WEST OF THE BRIDGE OR WITHIN THE CONSTRUCTION LIMITS. THE CONSTRUCTION LIMITS ARE IDENTIFIED AS THE AREA WITHIN THE RAILROAD RIGHT-OF-WAY. SHOULD THE CONTRACTOR WISH TO USE ANY AREA OUTSIDE THESE LIMITS, A REQUEST IN WRITING MUST BE SUBMITTED TO THE PROJECT ENGINEER. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA THAT THE CONTRACTOR PLANS TO USE AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. THE ENGINEER SHALL APPROVE THE REQUEST IN WRITING BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA. PRIOR TO BEGINNING WORK, THE CONTRACTOR, SUPERINTENDENT OR HIS REPRESENTATIVE, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY SHALL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE. ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS DIRECTED BY THE PROJECT ENGINEER.

### PROFILE GRADE

THE PROPOSED PROFILE OF THE BIKE PATH SHALL MATCH THE EXISTING RAILROAD PROFILE, AS CLOSELY AS POSSIBLE, TO MINIMIZE ANY NEEDED EXCAVATION OR EMBANKMENT. ANY NECESSARY EXCAVATION OR EMBANKMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 203, SUBGRADE COMPACTION.

## EXISTING RAILROAD TIES

THE EXISTING RAILROAD TIES ARE TO BE REMOVED BY OTHERS AND ARE NOT A PORTION OF THIS CONTRACT.

#### ITEM 203 - LINEAR GRADING:

THIS WORK SHALL CONSIST OF SHAPING OR RESHAPING THE SHOULDER AS DIRECTED BY THE ENGINEER TO INSURE A SMOOTH DRAINABLE SURFACE FREE OF ALL IRREGULARITIES. EXCESS EXCAVATION RESULTING FROM THE SHOULDER WORK SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. PAYMENT FOR SHAPING OR RESHAPING THE GRADED SHOULDER AS DESCRIBED SHALL BE INCLUDED IN THE CONTRACT PRICE PER LINEAR FOOT FOR ITEM 203, LINEAR GRADING.

## BRIDGE STRUCTURE, AS PER PLAN

THIS ITEM SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE ITEMS OF ODOT SECTION 500, STRUCTURES. THIS WORK SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO REHABILITATE THE EXISTING RAILROAD STRUCTURE INTO A BIKE PATH STRUCTURE IN ACCORDANCE WITH THE PLANS.

## THE REHABILITATION SHALL INCLUDE THE FOLLOWING:

- 1. INSTALLATION OF W14X26 (A-36) STRINGERS BETWEEN THE EXISTING BEAM LINES. NOTE: TO INCLUDE PAINTING OF NEW STRINGER AND CONNECTIONS.
- 2. INSTALLATION OF 3" X 9" X 10' 7-GAUGE CORRUGATED GALVANIZED BRIDGE DECKING. 3. INSTALLATION OF 7" X 1/4" WIDE GALVANIZED END DAM ALONG EACH SIDE OF THE BRIDGE DECKING WITH 2 1/2" X 2 1/2" X 5/16" (6" WIDTH) STIFFENING ANGLES AT 10' C/C (TO MATCH FENCE POST LOCATIONS).
- 4. INSTALLATION OF 2 PIECES OF 5" X 3 1/2" X 1/4" END CLOSURE ANGLES ON EACH BEAM. NOTE: TO INCLUDE PAINTING OF NEW ANGLES.

PAYMENT FOR THE ABOVE SHALL INCLUDE ALL NECESSARY WELDING, CONNECTIONS, SEATS, AND INCIDENTALS TO PERFORM THE WORK.

# ITEM SPECIAL, BOLLARDS PERMANENT OR REMOVABLE

THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO CONSTRUCT THE BOLLARDS AS PER THE PLANS AND TYPICAL DETAILS.

## ITEM 607 FENCE, TYPE CL (APPROACHES)

THIS WORK SHALL BE DONE IN ACCORDANCE WITH ODOT ITEM 607 FENCE, TYPE CL AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO CONSTRUCT THE CHAIN LINK FENCE AS PER THE PLANS AND DETAILS FOR THE APPROACHES.

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES SHALL BE MADE IN ACCORDANCE WITH ITEM 607.

# ITEM 607 FENCE, TYPE CL, AS PER PLAN (BRIDGE)

THIS WORK SHALL BE DONE IN ACCORDANCE WITH ODOT ITEM 607 FENCE, TYPE CL AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO CONSTRUCT THE CHAIN LINK FENCE AS PER THE PLANS AND DETAILS FOR THE BRIDGE.

PAYMENT FOR THE FABRICATION, ERECTION: (INCLUDING ALL NECESSARY CONNECTIONS), AND PAINTING OF THE FENCE SUPPORTS, PER THE POST SUPPORT DETAIL, SHALL ALSO BE INCLUDED IN THE UNIT BID PRICE FOR THIS ITEM.

NOTE: THE POST SUPPORT DETAIL SHALL CONSIST OF THE FOLLOWING:

- 1. THE 4" X 4" X 1/4" (6" WIDTH) POST SUPPORT ANGLES.
- 2. THE 3" ID. X 1' STRUCTURAL STEEL POST SUPPORT SLEEVE.

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES SHALL BE MADE IN ACCORDANCE WITH ITEM 607.

## ITEM 659 - SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS DISTURBED BY GRADING OR AS DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE ESTIMATED QUANTITIES ON THIS

659, SEEDING AND MULCHING

3000 SQ. YARDS

# ESTIMATED QUANTITIES

TEV	DESCRIPTION	UNIT	QUANTITY
ITEM		LS	1
103	CONTRACT BOND		
		SY	2649
203	SUBGRADE COMPACTION		
		LF	5297
203	LINEAR GRADING		0201
		CY	278
301	BITUMINOUS AGGREGATE BASE, PG64-22		2,0
		CY	184
448	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22		101
		LF	1,054
607	FENCE, TYPE CL, AS PER PLAN (BRIDGE)		1,05+
		LF	200
607	FENCE, TYPE CL (APPROACHES)		200
	September 1997 (1997)		1
624	MOBILIZATION	LS	1
			7000
659	SEEDING AND MULCHING	SY	3000
			8
SPECIAL	BOLLARD, STANDARD	EA EA	0
			1
SPECIAL	BOLLARD, REMOVABLE	EA	4
			4
SPECIAL	BRIDGE STRUCTURE, AS PER PLAN	LS	1

QUANTITIES GIVEN ARE APPROXIMATE ONLY AND ARE INTENDED MERELY TO SERVE AS A UNIFORM BASIS FOR THE COMPARISON OF BIDS. THE CONTRACTOR WILL BE RESPONSIBLE FOR DELIVERING A COMPLETE PROJECT WITHIN THE INTENT OF THE CONSTRUCTION DOCUMENTS.

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