



ESTIMATED QUANTITIES*	
REMOVE 10' CONCRETE JERSEY BARRIER SECTION	1 EACH
SIGN, REMOVE	2 EACH
MAILBOX, RELOCATE	1 EACH
MOVE CONCRETE BLOCKS	6 EACH
SAWCUT ASPHALT PAVEMENT	200 LFT
REMOVE ASPHALT PAVEMENT	120 SYS
GUARDRAIL, W-BEAM, 6 FT 3 IN SPACING	87.4 LFT
GUARDRAIL, THRIE BEAM, 6 FT 3 IN SPACING	27.6 LFT
GUARDRAIL, W-BEAM, SHOP CURVED, 6 FT 3 IN SPACING	31.4 LFT
GUARDRAIL, THRIE BEAM TRANSITION SECTION, GALV.	2 EACH
GUARDRAIL, THRIE BEAM, SHOP CURVED, 6 FT 3 IN SPACING	21.9 LFT
GUARDRAIL END TREATMENT, TYPE OS, TL-2, 31"	2 EACH
HAND DIG GUARDRAIL POST HOLES	10 EACH
GUARDRAIL CURVED TERMINAL END	2 EACH
RIPRAP, UNIFORM B	113 TON
GEOTEXTILES	170 SYS
SIGN, SHEET, ENCAPSULATED LENS WITH LEGEND, 0.100 IN. THICKNESS	9 SFT
SIGN POST, SQUARE, 2 IN., 2.25 IN. SQUARE BASE	12 LFT
STREET SIGN, RELOCATE	1 EACH
TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, WHITE, 24 IN.	34 LFT

*NOT ALL ITEMS WILL BE PAY ITEMS, SEE BID SHEET AND SPECIFICATIONS.

NOTES

- REMOVE EXISTING ASPHALT AND/OR CONCRETE PAVEMENT AS REQUIRED TO CONSTRUCT PROPOSED GUARDRAIL. REMOVAL LIMIT SHALL BE SAWCUT.
- GUARDRAIL AND GUARDRAIL END TREATMENTS SHALL COMPLY WITH THE 2016 MANUAL FOR ASSESSING SAFETY HARDWARE (MASH). GUARDRAIL SHALL ALSO COMPLY WITH THE MIDWEST GUARDRAIL SYSTEM.
- ALL WORK TO COMPLY WITH THE INDOT STANDARD SPECIFICATIONS, CURRENT EDITION.
- MOVE CONCRETE BLOCKS ON THE EAST SIDE OF THE ROAD AS REQUIRED FOR GUARDRAIL CONSTRUCTION.
- SIGN SHEETING SHALL BE PRISMATIC DIAMOND GRADE.
- ALL SHEET SIGNS SHALL BE MINIMUM 0.10 IN. THICK.
- ALL SIGN POSTS TO BE 2" X 2" SQUARE TUBE IN 2-1/4" X 2-1/4" SQUARE SLEEVES.
- ALL SIGNS AND MARKINGS SHALL CONFORM TO CURRENT MUTCD.
- (47) STOP LINE, THERMOPLASTIC, 24"
- ⊕ GROUND MOUNTED SHEET SIGN
- AREAS DESIGNATED FOR RIPRAP, UNIFORM B SHALL BE EXCAVATED 12" BELOW EXISTING GRADE, GEOTEXTILE PLACED ON SUBGRADE, AND RIPRAP, UNIFORM B PLACED ON GEOTEXTILE UP TO EXISTING GRADE.
- GUARDRAIL POSTS TO BE HAND DUG AS REQUIRED TO ACCOMMODATE EXISTING UNDERGROUND UTILITIES.

LEGEND

Elkhart County
HIGHWAY DIVISION
ENGINEERING SECTION

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THOMAS M. RUSHLOW
NO. 60920368
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISION DATE:	DESCRIPTION
1 07/10/2018	Repl. curb w/guardrail
2 08/28/2018	Thrie beam rail
3 10/03/2018	Sealed

ENGINEERING SECTION
DEPARTMENT OF PUBLIC SERVICES

TARMAN RD/CR 23 INTERSECTION
NEW PARIS

DESIGNED: tmr	DRAWN: tmr
CHECKED: ***	CHECKED: ***
HORIZONTAL SCALE AS NOTED	SHEETS 1 of 1
VERTICAL SCALE ***	PROJECT TARMAN RD