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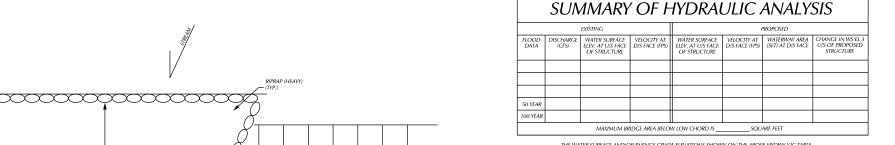


Ç ROADWAY & CONSTRUCTION Ç

GRASS

COFFERDAM LEFT - IN PLACE (TYP.)

> CURB & GUTTER (TYP.) SEE SH # FOR DETAILS



THE WATER SURFACE AND/OR ENEXCY CRODE ELEVATIONS SHOWN ON THE ABOVE PROBAULUE TABLE ARE TO BE USED FOR COMMENSION PURPOSES ONLY AND ARE NOT OR BUSING FOR STANLISHING ARE A RECULATORY FLOORFULNI. THE ELEVATIONS MAY NOT BE USED PROVIDED THEY ARE VERHED WITH THE LAND AND WATER MANAGEMENT DIVISION, MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY.

EROSION AND SEDIMENTATION CONTROL

KEY	QUANTITY	PAY ITEM
5 5	EA	Erosion Control, Filter Bag
	FT	Turbidity Curtain (Shallow)
26	FT	Erosion Control, Silt Fence
(39A)	EA	Erosion Control, Inlet Protection, Fabric Drop
•	LS	Sedimentation Control

MISCELLANEOUS QUANTITIES

LS Monitoring Whations (Structures)
LS Monitoring Whations (Structures)
LS Structures, Rem (B01 of 63021)
Cyd Masonny and Conc. Structures, Rem.
LS Structures, Rem Potrions (B01 of 63021)
Str. Flase Decking
Cyd Excavation, Rem Potrions (B01 of 63021)
Flase Decking
Cyd Excavation, Log. CIP
Cyd Excavation, Log. CIP
Cyd Excavation, Latth
Cyd Non Haz Containmated Material Handling and Disposal, LM
Riprap, Heavy, Special
Styd Articulating Concrete Block System, 6 Inches
Syd Articulating Concrete Block System, 6 Inches
Cyd Conc. Quality Assurance, Structure
Cyd Patching Mortar or Conc.
Stf. Patch, Forming **

* TO BE USED AS DIRECTED BY THE ENGINEER FOR REPAIRS ON THE EXISTING RETAINING WALL.

NOTES:

THE DESIGN OF THIS STRUCTURE IS BASED ON CURRENT AASHTO STANDARDS SPECIFICATIONS FOR HIGHWAY BRIDGES HS25 LOADING. THE LOAD FACTOR METHOD OF DESIGN WAS USED FOR THIS STRUCTURE.

THE REMOVAL OF THE EXISTING STRUCTURE, SLOPEWALLS AND GABIONS I INCLUDED IN THE PAY ITEM, "Structures, Rem B01 of 63021)".

REMOVAL OF THE EXISTING SUBSTRUCTURE UNITS SHALL BE ISOLATED FROM THE WATERWAY USING TEMPORARY STELL SHEET PILING. TEMPORARY SHEETING FOR THE REMOVAL SHALL ADHER TO THE SAME REQUIREMENTS FOR CONSTRUCTION AND DE-WATERING AS THE COFFERDAM. TEMPORARY SHEETING SHALL BE CUT OFF 1-4P BELOW PINSH CRADE AND SHALL NOT INTERFEE WITH PEOPOSED CONSTRUCTION. ALL COST ASSOCIATED WITH THE TEMPORARY SHEETING IS INCLUDING IN THE REMOVAL TEMS.

THE TOP 2' (±) OF THE EXISTING RETAINING WALL SHALL BE REMOVED BY SAW CUTTING. WORK IS INCLUDED IN "Structures, Rem Portions (801 of 632)." SEE RETAINING WALL REMOVAL AND CONSTRUCTION SEQUENCE ON SHEET _____.

REMOVAL OF EXISTING SHEETING IN THE SLOPE ADJACENT TO THE PROPOSED

DURING WORK ON THE EXISTING AND PROPOSED RETAINING WALLS CASE SHALL BE TAKEN TO PREVENT ANY MATERIAL FROM ENTERING THE WATERWAY. THE CONTRACTOR SHALL PROPOSED A SYSTEM FOR PROTECTION OF THE WATERWAY & SUBMIT IT TO THE ENGINEER FOR APPROVAL. PAID FOR AS 'Sedimentation Contro'. SEE SPECIAL PROVISION.

PAYMENT FOR FALSE DECKING SHALL BE BASED ON THE AREA OF THE EXISTING ARCH BARREL OVER THE WATERWAY REGARDLESS OF THE SIZE OF THE BARCE OR PLATFORM USED. THE CONTRACTOR SHALL TAKE CARE NOT TO ALLOW THE EXISTING EARTH FILL TO FALL INTO THE WATERWAY.

GEOTEXTILE LINER SHALL BE PLACED ON ALL SLOPES PRIOR TO PLACING RIPRAP. PAYMENT FOR GEOTEXTILE LINER SHALL BE INCLUDED IN THE PAYMENT FOR "Riprap, Heavy, Special".

THE EXISTING STRUCTURE PROVIDES A WATERWAY AREA OF ______.

WITHOUT THE PREVENTIVE MEASURES SHOWN ON THESE PLANS, THERE IS A POSSIBLUITY THAT STREAM BED SCOUR MAY OCCUR. THE ESTIMATED TOTAL SCOUR DEPTH IS CACULATED TO BE 6,6" AT ABLAMENT A AND 13.6" AT ABLAMENT B. THESE DEPTHS ARE BASED ON A 100 YEAR RUNOFF EVENT.

THE DRAINAGE AREA CONTRIBUTORY TO THIS CROSSING IS 18 SQUARE MILES

BROKEN CONCRETE SHALL NOT BE USED AS RIPRAP.

E IKEWIE SEAL DESIGN WAS BASED ON A WATER SURFACE AT EL.

THE WIDTH OF THE TREME UNDER THE STRUCTURE MAY NOT BE INCREASED EXCEPT IN THE SOUTHWEST QUADRANT IN THE VICINITY OF THE EXISTING AND PROPOSED SANTIAR'S SWER.

THE USE OF VIBRATORY HAMMERS FOR INSTALLATION COFFERDAM SHALL NOT BE ALLOWED.

NOWATERING OF THE COFFERDAM IS TO BE MADE THRU FILTER DACS UNTIL

DEWALERING OF THE COTTENDAY IS TO BE WINDE THAT FILTER DAGS UNTIL COMPLETION OF THE TREMIE SEA. ALL COST ASSOCIATED WITH DEWATERING ARE THE REPONSIBILITY OF THE CONTRACTOR.

COFFERDAMS IN STREAM SHALL BE CUT OFF AT ELEVATION OR A MINIML OF 1'-0' BELOW THE STREAM BOTTOM OR 1'-0' BELOW GRADE. WORK IS INCLUDED IN THE BID ITEM, Cofferdams, Left in Place (C01 of 63821').

CONCRETE SURFACE COATING IS TO BE APPLIED TO BOTH SIDES OF THE RAILIN THE HEADRAIL FACIA, THE CULVERT AND PEDESTAL WALL END FACES, THE TOP AND EXPOSED SIDE OF THE WINCWALL, RETURNWALLS AND THE RETAINING WOOD, AND EXPOSED SIDE OF THE WINCWALL SHOW FINISHED GRADE, THE SETMATET BAFE OF COTATING IS 150N SOLDHER FABRYS.

LL EXCAVATION ON THE PROJECT SHALL BE CONSIDERED NONHAZARDOU ONTAMINATED. STORAGE AREA FOR THE MATERIAL ON SITE MAY BE LIMITE

WEST PARKWAY CULVERT

PLAN

OR ADE

OSCRIPTION

OR NCK DAPY GOAT C

FINAL

OR SEVISIONS

GRASS

CITY OF DETROIT

CITY ENGINEERING DIVISION - D.P.W.

BUREAUS OF STREETS AND HIGHWAYS

FOR

WEST PARKWAY CULVERT OVER ROUGE RIVER

GENERAL PLAN OF STRUCTURE

SHEET OF SHEET
CONTRACT
NO.
ASSIGNMENT
NO.