

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS ARE IN METERS.
- ASSUMED LIVE LOAD = MS18 OR ALTERNATE LOADING.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR SEISMIC DESIGN OF HIGHWAY BRIDGES" FOR SEISMIC PERFORMANCE CATEGORY A.
- THIS BRIDGE HAS BEEN DESIGNED BY THE STRENGTH DESIGN METHOD AS SPECIFIED IN AASHTO STANDARD SPECIFICATIONS.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SNSM.

- PILES FOR END BENT NO. 1 AND 2 SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 530 KN EACH. WHEN DRIVING PILES, THE MAXIMUM BLOW COUNT SHALL NOT BE EXCEEDED.
- THE CONTRACTOR SHALL OBSERVE A THREE MONTH WAITING PERIOD BEFORE BEGINNING ANY WORK FOR END BENT CONSTRUCTION AFTER COMPLETION OF THE EMBANKMENT AT EACH END BENT. THE CONTRACTOR MAY BEGIN THE REINFORCED BRIDGE APPROACH FILL CONSTRUCTION AFTER COMPLETION OF END BENT INCLUDING WINGWALLS.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR METRIC STRUCTURAL STEEL, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALL FOR ON THE PLANS OR APPROVED BY THE ENGINEER.
- FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH PROPOSED STRUCTURE, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMS OVER OR ADJACENT TO TRAFFIC, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

TOTAL BILL OF MATERIAL												
	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	STRUCTURAL STEEL	HP310x79 STEEL PILES	CONCRETE BARRIER RAIL	100mm CONCRETE SLOPE PROTECTION	ELASTOMERIC BEARINGS	EVAZOTE JOINT SEALS	
	m ²	m ²	m ³	LUMP SUM	KGS.	APPROX. KGS.	NO. METERS	METERS	m ²	LUMP SUM	LUMP SUM	
SUPERSTRUCTURE	476.0	570.2		LUMP SUM		66,700		72.400		LUMP SUM	LUMP SUM	
END BENT 1			22.9		2,435		9 135.0		381			
END BENT 2			21.8		2,351		9 162.0		345			
TOTAL	476.0	570.2	44.7	LUMP SUM	4,786	66,700	18 297.0	72.400	726	LUMP SUM	LUMP SUM	

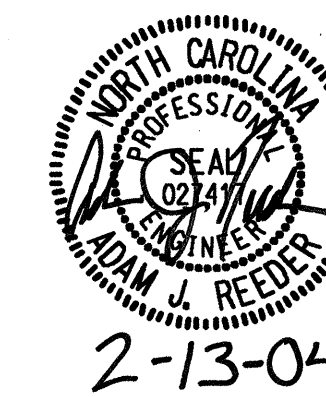
PROJECT NO. R-2552B
JOHNSTON COUNTY
 STATION: 78+35.547 -L-
12+97.374 -Y10-

SHEET 4 of 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE ON US 70
 BYPASS OVER SR1555
 BETWEEN SR1554 & SR1560
 (LEFT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-33
2			4			431



1616 E. MILLBROOK RD., SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE (919) 876-6888
 FAX (919) 876-6848

DRAWN BY : AR DATE : 9/03
 CHECKED BY : JL DATE : 10/03