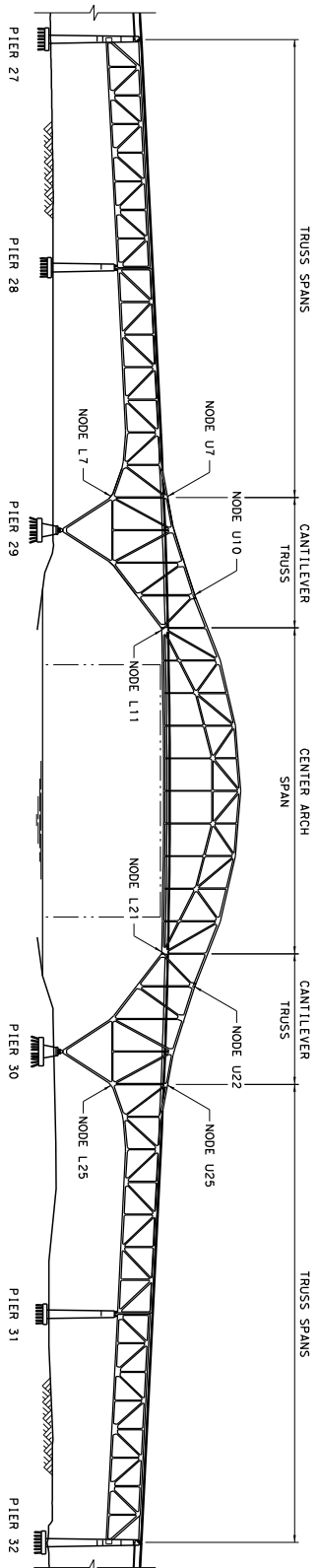


ELEVATION - ENTIRE BRIDGE




ELEVATION - MAIN BRIDGE UNIT

PRELIMINARY NOT FOR CONSTRUCTION, MARCH 2015

FLATIRON
A JOINT VENTURE
in association with FIGG & ASSOCIATES

DRACADOS USA
TYPE: FINAL PLANS

**Texas Department of Transportation**
US 181/1H 37 - HARBOR BRIDGE
EXISTING BRIDGE
DEMOLITION PROCEDURE 1

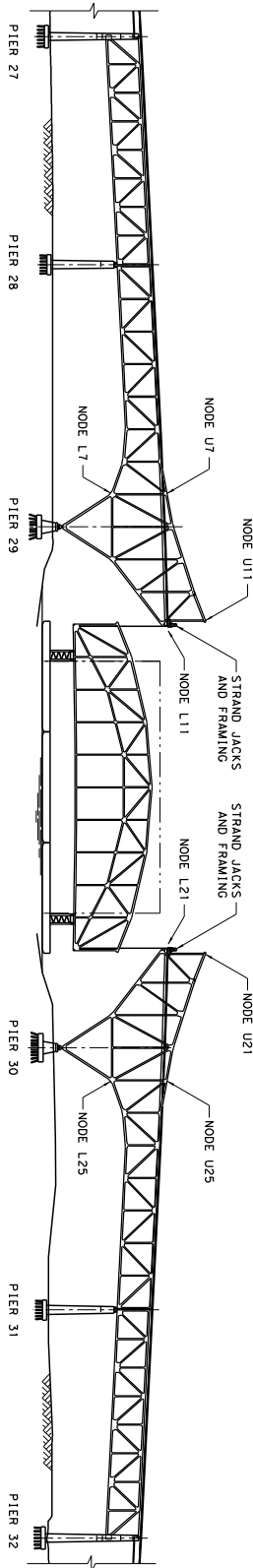
FIGG
TYPE: FINAL PLANS

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SECTION	SHEET NO.
GRAPHICS	X	(See Title Sheet)	SECTION	X
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	CRP	NUJECES	
CHECK	CONTROL	SECTION	JOB	
	0101	06	095	D1

SHEET 1 OF 6

PHASE 1 - REMOVE MAIN SPAN CENTER ARCH

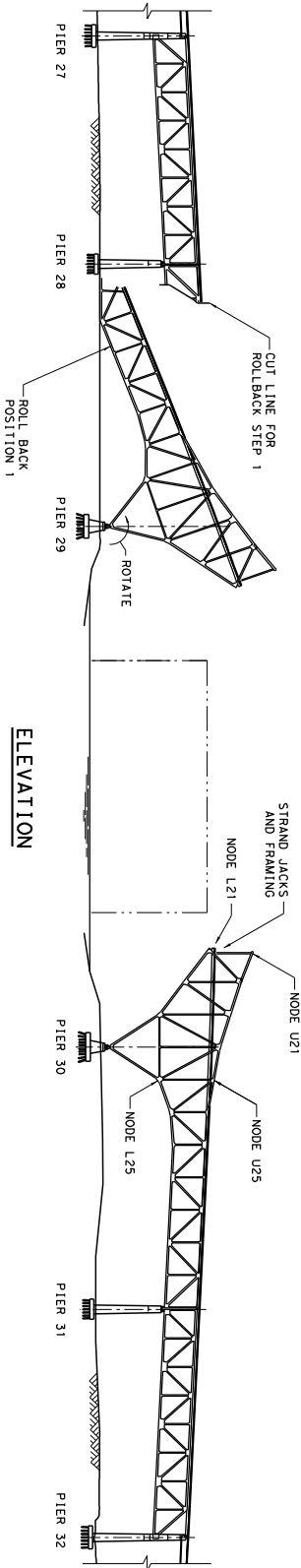
1. REINFORCE CANTILEVER TRUSSES AND INSTALL FRAMING, INCLUDING ADDITIONAL ANCHORAGES AND SUPPORTS, FOR MOUNTING OF THE STRAND JACKS THAT WILL BE USED TO LOWER THE CENTER ARCH.
2. REMOVE ROADWAY DECKING AFTER PREP WORK IS COMPLETED AND PRIOR TO LOWERING CENTER SPAN.
3. INSTALL CRIBBING ON BARGE TO SUPPORT THE CENTER ARCH.
4. DETACH MAIN SPAN CENTER ARCH FROM CANTILEVER TRUSSES ALONG NODES U11-L11 AND U21-L21.
5. LOWER CENTER ARCH SPAN THROUGH USE OF STRAND JACKS TO BARGE POSITIONED UNDERNEATH SPAN AND MOVE BARGE TO ANCHORAGE CLEAR OF SHIP CHANNEL.
6. REMOVE STRAND JACK FRAMING.



ELEVATION

PHASE 2 - REMOVE CANTILEVER TRUSSES

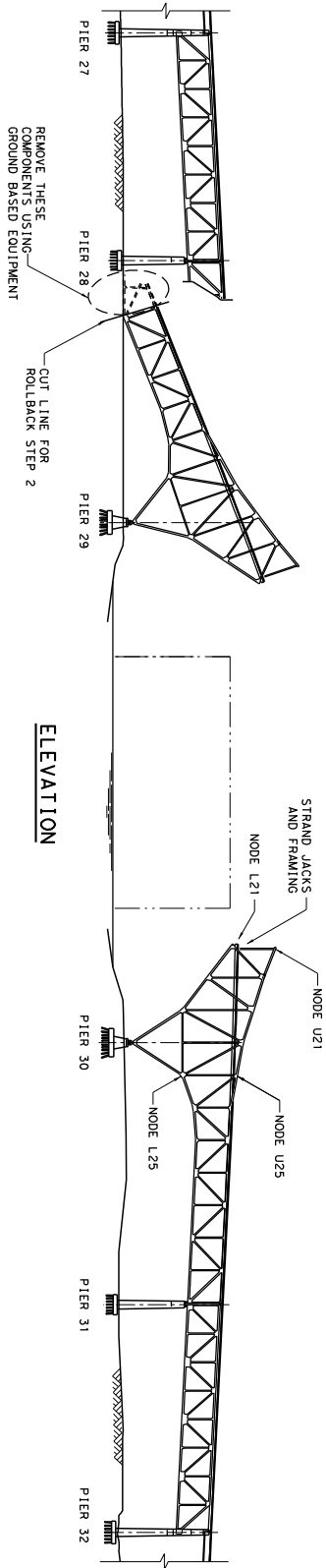
1. REMOVE ROADWAY DECK FROM PIERS 28 & 31 TOWARDS CHANNEL.
2. CUT TRUSS MEMBERS AS SHOWN TO ROTATE AND LOWER SPAN ON LAND.



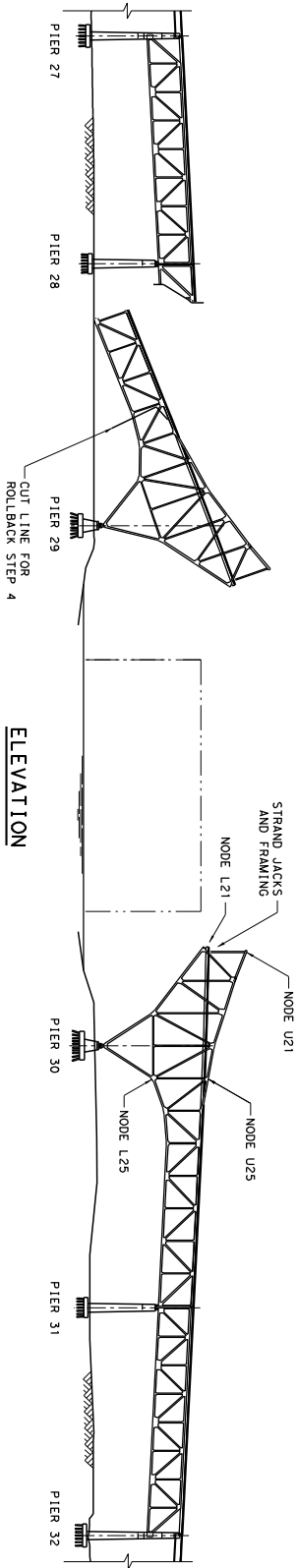
ELEVATION

FLATIRON		DRAGADOS USA		FIGS	
A JOINT VENTURE		IN ASSOCIATION WITH FIGS & AGS		TYPE FROM FIGS	
US 181/1H 37 - HARBOR BRIDGE					
EXISTING BRIDGE					
DEMOLITION PROCEDURE 2					
SHEET 2 OF 6					
DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
GRAPHICS	X	(See Title Sheet)	X		
CHECK	STATE	DISTRICT	COUNTY		
CHECK	TEXAS	CRP	NUCCES		
CHECK	CONTROL	SECTION	JOB		
CHECK	0101	06	095		
				D2	

PHASE 3 - REMOVE CANTILEVER TRUSSES
1. REMOVE STEEL TRUSS MEMBERS NEAR PIER 28 WITH GROUND BASED EQUIPMENT



PHASE 4 - REMOVE CANTILEVER TRUSSES
1. CUT TRUSS MEMBERS AS SHOWN TO LOWER AND ROTATE REMAINING CANTILEVER TRUSS ON LAND.



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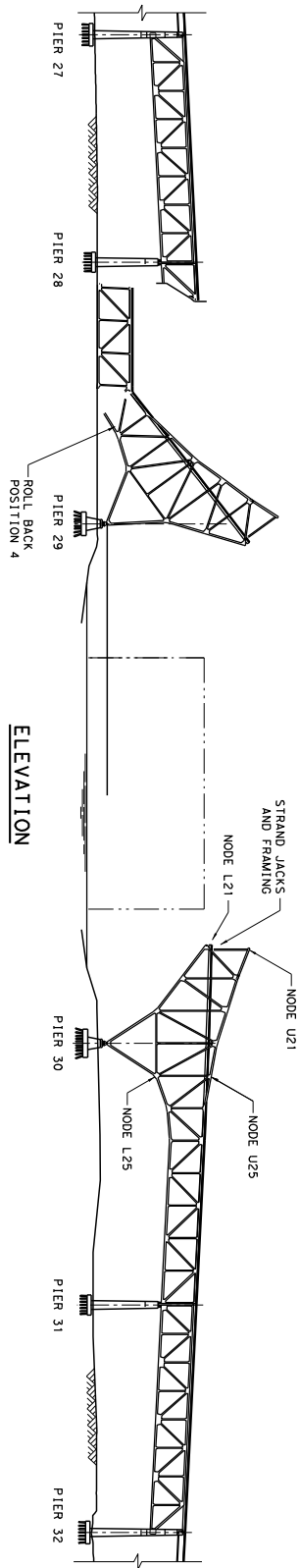
DRACADOS USA
TYPE FRAMING

Texas Department of Transportation
US 181/1H 37 - HARBOR BRIDGE
EXISTING BRIDGE
DEMOLITION PROCEDURE 3

FIGG
TYPE FRAMING

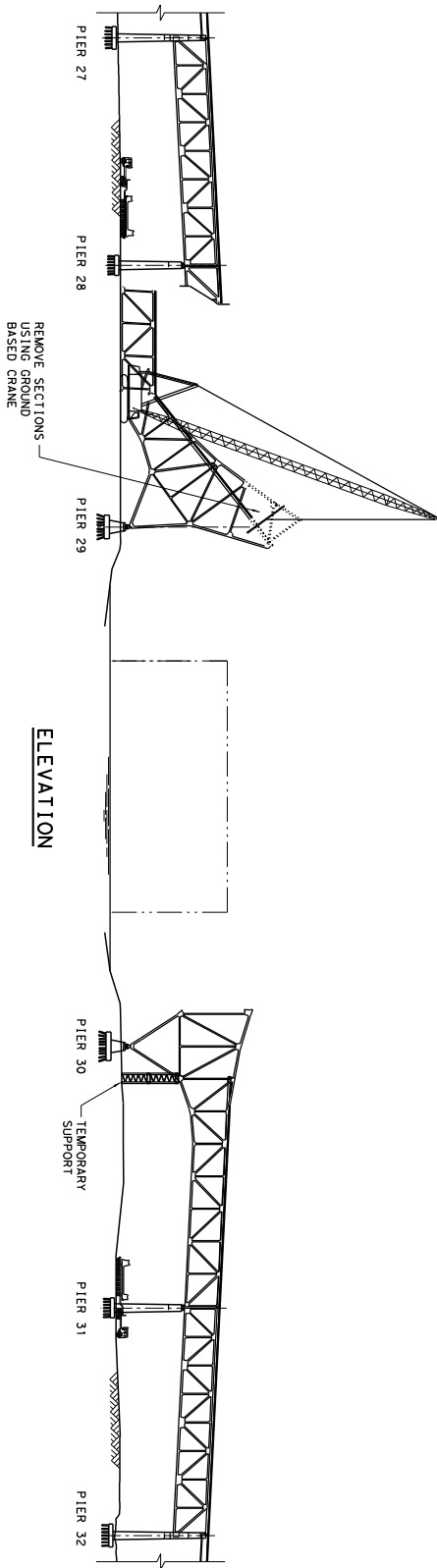
DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET 3 OF 6
GRAPHICS	X	(See Title Sheet)	X
CHECK	STATE	DISTRICT	COUNTY
CHECK	TEXAS	CRP	NUCCES
CHECK	CONTROL	SECTION	JOB
	0101	06	095
			D3

PHASE 5 - REMOVE CANTILEVER TRUSSES
1. REMOVE PORTIONS OF STEEL TRUSS WITH GROUND BASED EQUIPMENT.



ELEVATION

PHASE 6 - REMOVE CANTILEVER TRUSSES
1. SET UP CRANE ON NORTH AND SOUTH SIDE OF SHIP CHANNEL AT PIER 29.
2. CAREFULLY REMOVE PORTIONS OF REMAINING CANTILEVER TRUSS OVER LAND TO AVOID WATERWAY.



ELEVATION


FLATIRON **DRAGADOS USA**

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FIGG

TYPE: FINAL PLANS

**Texas Department of Transportation**

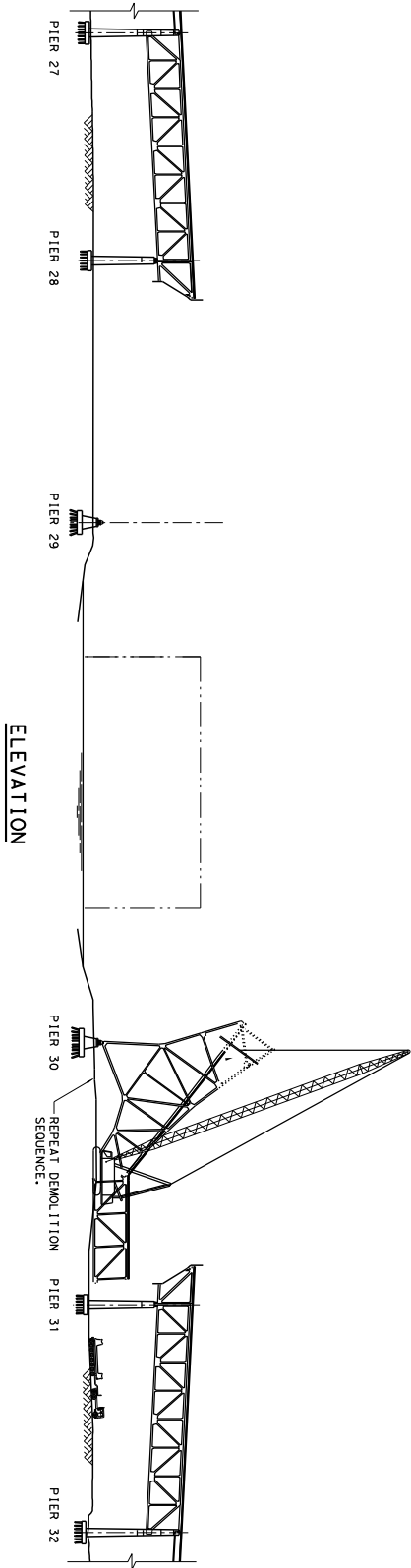
US 181/IH 37 - HARBOR BRIDGE

EXISTING BRIDGE

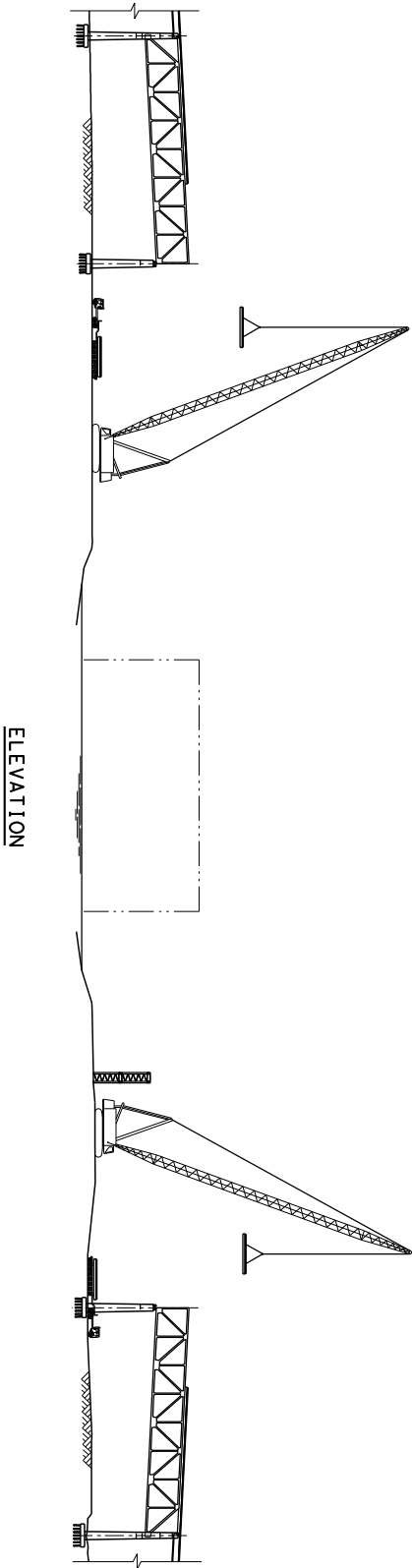
DEMOLITION PROCEDURE 4

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET 4 OF 6
GRAPHICS	X	(See Title Sheet)	X
CHECK	STATE	DISTRICT	COUNTY
CHECK	TEXAS	CRP	NUCCES
CHECK	CONTROL	SECTION	JOB
	0101	06	095

- PHASE 7 - REMOVE CANTILEVER TRUSSES**
- 1. REPEAT CANTILEVER REMOVAL STEPS FOR OPPOSITE SIDE OF THE CHANNEL.
 - 2. REMOVE FOUNDATION PIERS 29 AND 30.



- PHASE 8 - REMOVE TRUSS SPANS**
- 1. REMOVE DECK FROM REMAINING TRUSS SPANS ON EACH SIDE OF CHANNEL.



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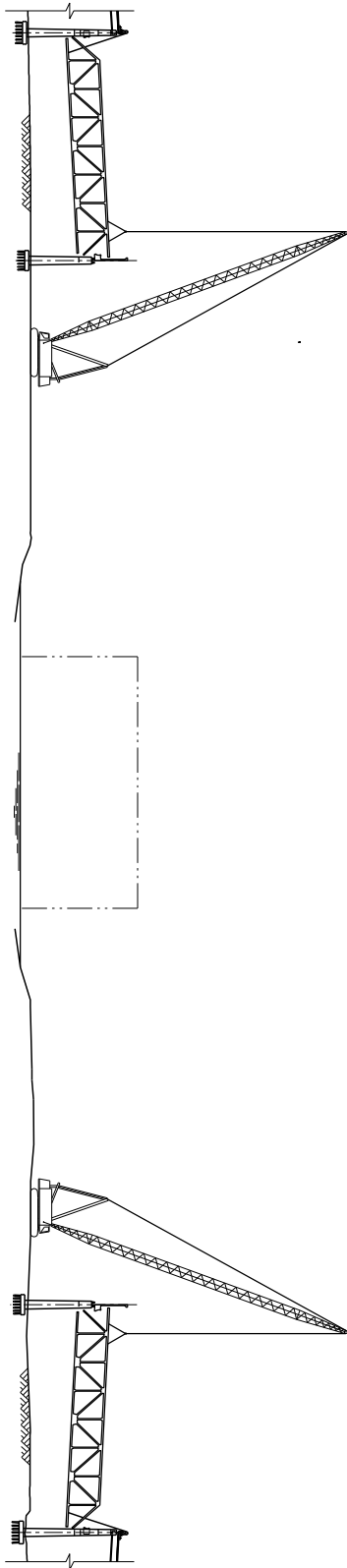
DRACADOS USA
TYPE: FINAL PLANS

Texas Department of Transportation
US 181/IH 37 - HARBOR BRIDGE
EXISTING BRIDGE
DEMOLITION PROCEDURE 5

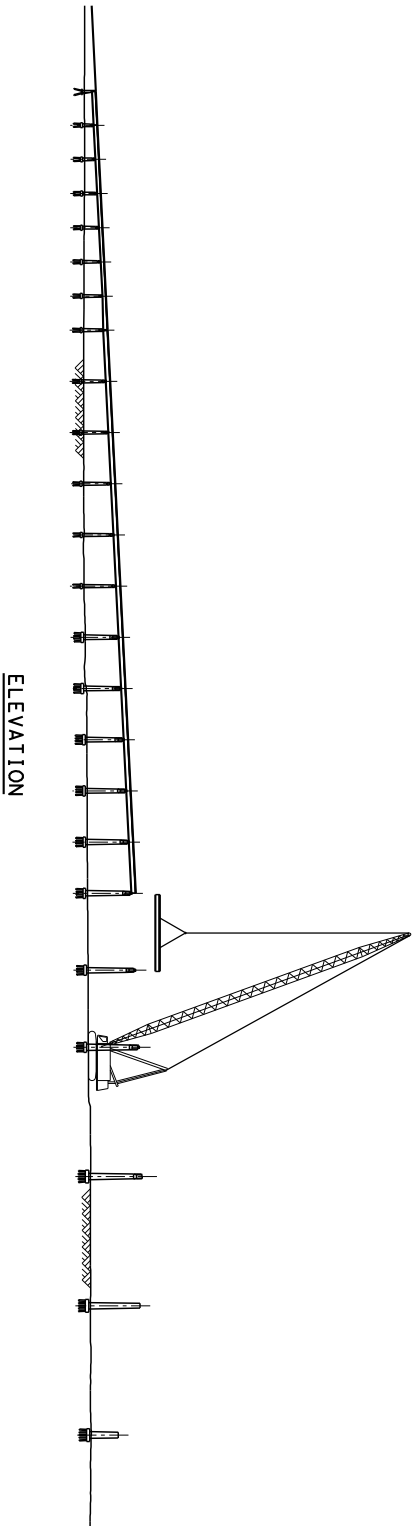
FIGG
TYPE: FINAL PLANS

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET 5 OF 6
GRAPHICS	X	(See Title Sheet)	X
CHECK	TEXAS	CRP	NUCES
CHECK	CONTROL	SECTION	JOB
CHECK	0101	06	095
			D5

- PHASE 9 - REMOVE TRUSS SPANS**
1. CUT AND LOWER ANCHOR TRUSS BETWEEN PIERS 27 & 28 ON THE NORTH APPROACH AND BETWEEN PIERS 31 & 32 ON THE SOUTH APPROACH.
 2. REMOVE FOUNDATION PIERS 28 AND 31.



- PHASE 10 - REMOVE GIRDER SPANS**
1. DEMOLITION OF BENTS 19 TO 26 AND 32 TO 38 BY MECHANICAL MEANS OR BY USE OF CONTROLLED EXPLOSIVES (TENTATIVE).
 2. DEMOLITION OF BENTS 1 TO 18 AND 39 TO 58 BY MECHANICAL MEANS OR BY USE OF CONTROLLED EXPLOSIVES (TENTATIVE).



ELEVATION

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TYPE: FINAL PLANS

Texas Department of Transportation
US 181/IH 37 - HARBOR BRIDGE
EXISTING BRIDGE
DEMOLITION PROCEDURE 6

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET 6 OF 6
GRAPHICS	X	(See Title Sheet)	X
CHECK	STATE	DISTRICT	COUNTY
CHECK	TEXAS	CRP	NUCCES
CHECK	CONTROL	SECTION	JOB
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