



29 AUG 2017

BRIDGE PERMIT

(9-17-8)

WHEREAS by an act of Congress approved 26 September 1972 entitled "International Bridge Act of 1972," (33 U.S.C. § 535), the consent of Congress was granted for the construction, maintenance and operation of any bridge and approaches thereto which will connect the United States with any foreign country;

AND WHEREAS said consent is subject to the provisions of an act entitled "An Act to regulate the construction of bridges over navigable waters," approved 23 March 1906 (33 U.S.C. § § 491-498 except Section 6 of 33 U.S.C. § 496);

AND WHEREAS the approval of the Secretary of Homeland Security as required by that act shall be given only subsequent to the President's approval for the construction, maintenance and operation of the International Bridge, as provided for in Section 4 of the "International Bridge Act of 1972" and said Presidential approval was granted by an Act of Congress approved 16 February 1928, as amended, entitled "An Act Granting the consent of Congress to the Kansas City, Mexico and Orient Railway Company of Texas and the Kansas City, Mexico and Orient Railway Company to construct, maintain, and operate a railroad bridge across the Rio Grande River, at or near Presidio, Texas," and that the bridge was constructed;

AND WHEREAS the functions, powers and duties which were vested in the Secretary of Homeland Security under Section 5 of the "International Bridge Act of 1972" as they relate to navigable waterways other than the Saint Lawrence River, have been delegated by the Secretary to the Commandant, U.S. Coast Guard by Department of Homeland Security Delegation Number: 0170.1;

AND WHEREAS the - **STATE OF TEXAS** - has submitted for approval the location and plans of an international bridge to be reconstructed across the Rio Grande between Presidio, Texas, and Ojinaga, Mexico;

NOW THEREFORE, This is to certify that the location and plans dated 27 March 2017 are hereby approved by the Commandant, subject to the following conditions:

1. No deviation from the approved plans may be made either before or after completion of the structure unless the modification of said plans has previously been submitted to and received the approval of the Commandant.

2. The construction of falsework, pilings, cofferdams or other obstructions, if required, shall be in accordance with plans submitted to and approved by the Commander, Eighth Coast Guard District, prior to construction of the bridge. All work shall be so conducted that the free navigation of the waterway is not unreasonably

interfered with and the present navigable depths are not impaired. Timely notice of any and all events that may affect navigation shall be given to the District Commander during construction of the bridge. The channel or channels through the structure shall be promptly cleared of all obstructions placed therein or caused by the construction of the bridge to the satisfaction of the District Commander, when in the judgment of the District Commander the construction work has reached a point where such action should be taken, but in no case later than 90 days after the bridge has been opened to traffic.

3. Issuance of this permit does not relieve the permittee of the obligation or responsibility for compliance with the provisions of any other law or regulation as may be under the jurisdiction of any federal, state or local authority having cognizance of any aspect of the location, construction or maintenance of said bridge.

4. This bridge permit approves only that portion of the bridge to be constructed across waters under the jurisdiction of the United States.

5. A bridge protective system shall be installed and maintained in good condition by and at the expense of the owner of the bridge when so required by the District Commander. Said installation and maintenance shall be for the safety of navigation and be in accordance with plans submitted to and approved by the District Commander prior to its construction.

6. Clearance gauges shall be installed and maintained in a good and legible condition by and at the expense of the owner of the bridge when so required by the District Commander. The type of gauges and the locations in which they are to be installed will be submitted to the District Commander for approval.

7. All parts of the existing to-be-replaced Presidio Railroad Bridge across the Rio Grande, mile 948.8, not utilized in the new bridge shall be removed down to a minimum of two feet below the natural ground line or mud line and the waterway cleared to the satisfaction of the District Commander. A period of 90 days subsequent to the opening to traffic of the new bridge, mile 948.8, will be allowed for such removal and clearance.

8. When the proposed bridge is no longer used for transportation purposes, that portion of the bridge constructed across waters under the jurisdiction of the United States shall be removed in its entirety or to an elevation deemed appropriate by the District Commander and the waterway cleared to the satisfaction of the District Commander. Such removal and clearance shall be completed by and at the expense of the owner of the bridge upon due notice from the District Commander.

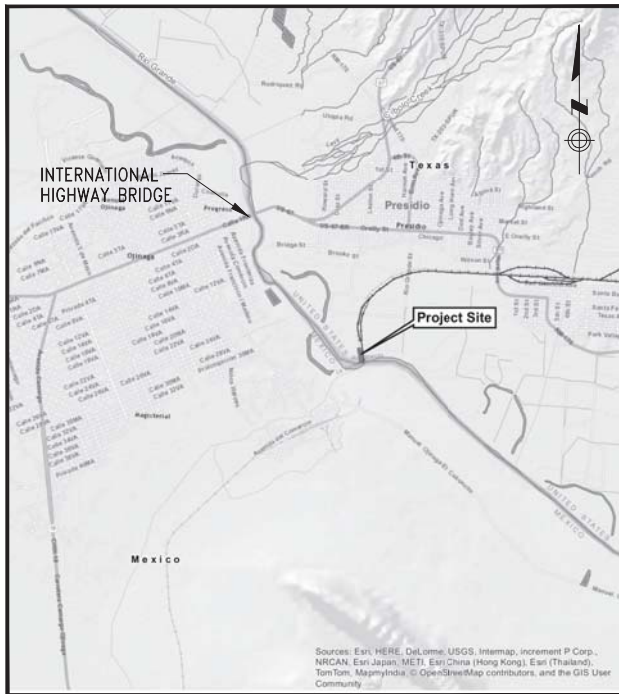
9. The approval hereby granted shall cease and be null and void unless construction of the bridge is commenced within two years and completed within five years after the date of this permit.



Brian L. Dunn

Chief, Office of Bridge Programs
U.S. Coast Guard
By direction of the Commandant

TEXAS PACIFICO TRANSPORTATION, LTD (OPERATOR)
 TEXAS DEPARTMENT OF TRANSPORTATION (OWNER)
 REPLACEMENT OF BRIDGE ACROSS
 RIO GRANDE (RIVER MILE 948.80)
 PRESIDIO, TEXAS
 OJINAGA, CHIHUAHUA



VICINITY MAP

MINIMUM NAVIGATIONAL CLEARANCES:

EXISTING:

HORIZONTAL: 27.87 FEET (8.49 METERS) BETWEEN PIERS

VERTICAL: 12.36 FEET (3.77 METERS) ABOVE ORDINARY HIGH WATER MARK, EL. 2550 FEET (777.24 METERS)

PROPOSED:

HORIZONTAL: 65 FEET CLEAR (19.81 METERS) BETWEEN PIER

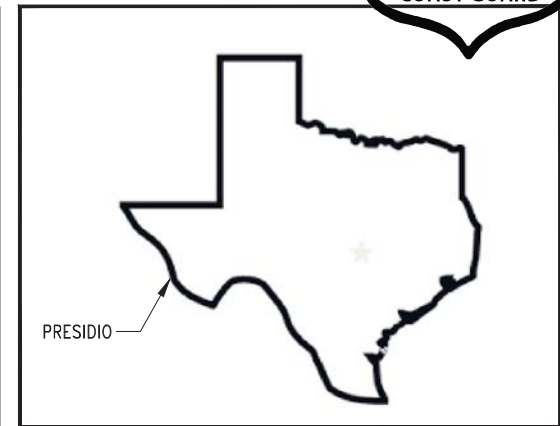
VERTICAL: 27.24 FEET (8.30 METERS) ABOVE ORDINARY HIGH WATER MARK, EL. 2550 (777.24 METERS)

THE REPLACEMENT BRIDGE WILL CROSS A FLOODPLAIN WITH A 100-YEAR FLOOD ELEVATION OF 2574.41 FEET, (784.68 METERS).

VERTICAL DATUM BASED ON NAD83 (2011) TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE.

NOTE:

STRUCTURE IS DESIGNED TO MEET THE RECOMMENDED PRACTICE OF THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION "MANUAL FOR RAILWAY ENGINEERING".



TEXAS

NOTE:

STRUCTURE AND LEVEE MODIFICATIONS ON MEXICAN SIDE OF BORDER ARE SHOWN FOR INFORMATION ONLY. FINAL DESIGN AND DRAWINGS FOR THESE ITEMS WILL BE DEVELOPED AND SEALED BY AN ENGINEER REGISTERED IN MEXICO. SEALS ON THESE PLANS APPLY ONLY TO STRUCTURE AND OTHER CONSTRUCTION WORK IN THE UNITED STATES.



ASK Rail Engineers, PLLC
 Firm No. F-10843



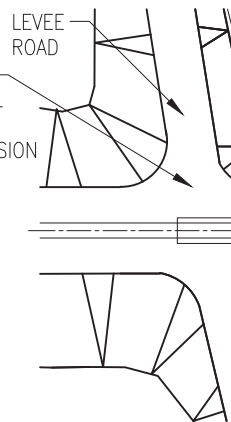
SCALE	AS SHOWN
DRAWN	RUA
DESIGNED	WJM
CHECKED	KLW
IN CHARGE	K. WAMMELL
DATE	3/27/2017

RIO GRANDE RIVER BRIDGE
 TEXAS DEPARTMENT OF
 TRANSPORTATION (OWNER)
 PRESIDIO COUNTY, PRESIDIO, TEXAS
 RIVER MILE 948.80

TITLE SHEET

CONTRACT	SHT NO.	REV
	SH. 1 OF 5	

LEVEE OWNED BY U.S. INTERNATIONAL BOUNDARY AND WATERWAY COMMISSION



CL JT. @ ABUTMENT 1

CL PIER 2

CL PIER 3

CL PIER 4

CL PIER 5

CL PIER 6

TOE OF EXISTING LEVEE
TOP OF EXISTING LEVEE

PROVIDE GATE AT PIER 6 (NOT SHOWN)

← UNITED STATES

MATCHLINE STA 509+00

21'-10" OUT-TO-OUT

792'-0" (241.402M) OVERALL LENGTH

MATCHLINE STA 509+00

NOTE: EXISTING BRIDGE NOT SHOWN IN PLAN VIEW.

S 7° 33' 58" E

APPROXIMATE INTERNATIONAL BOUNDARY

→ MEXICO

APPROXIMATE BANK LIMITS



CL PIER 7

CL PIER 8

CL PIER 9

CL PIER 10

CL PIER 11

APPROXIMATE BANK LIMITS

CL BRIDGE

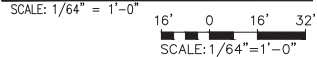
CONSTRUCT RIPRAP BLANKET

LEVEE OWNED BY COMISION INTERNACIONAL DE LIMITES Y AGUAS

SOUTH RAILROAD APPROACH EMBANKMENT

TOE OF EXISTING LEVEE
TOP OF EXISTING LEVEE

PLAN VIEW

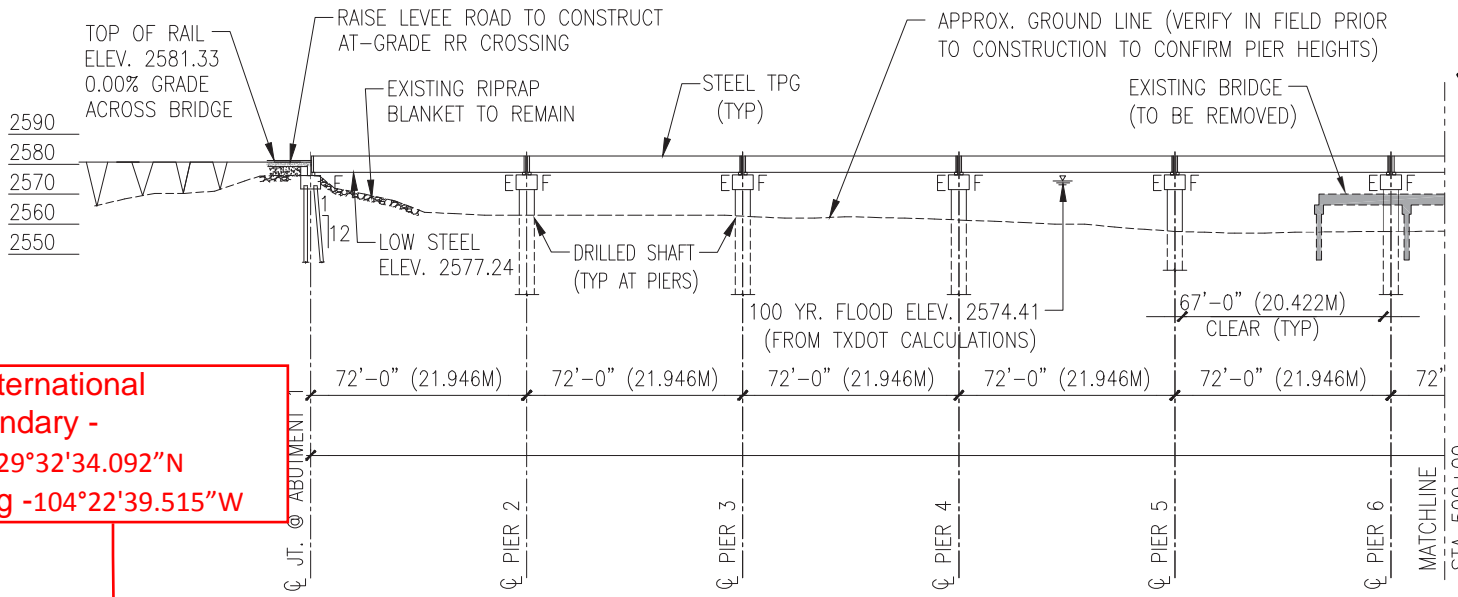


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IN CHARGE	K. WAMMEL
DATE	3/27/2017

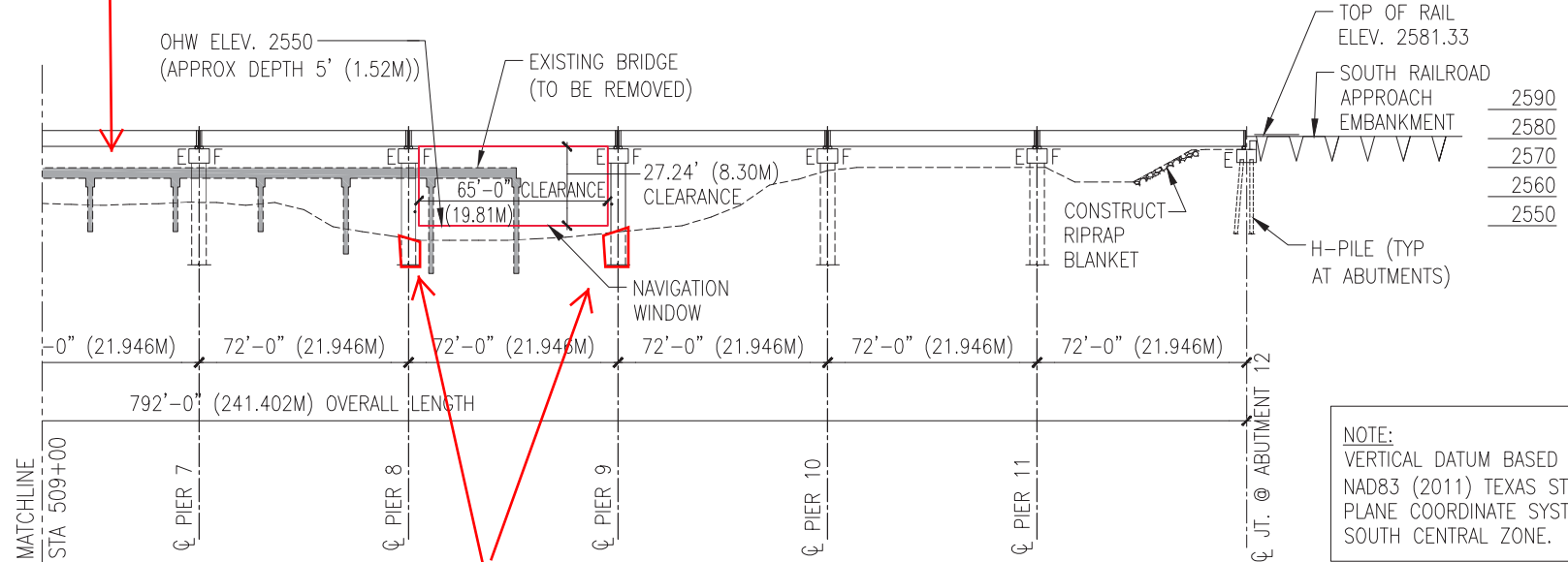
RIO GRANDE RIVER BRIDGE
TEXAS DEPARTMENT OF TRANSPORTATION (OWNER)
PRESIDIO COUNTY, PRESIDIO, TEXAS
RIVER MILE 948.80

PLAN VIEW

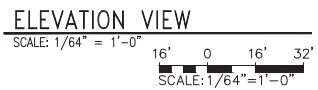
CONTRACT	SHT NO.	REV
	SH. 2 OF 5	X



~ International Boundary -
 Lat 29°32'34.092"N
 Long -104°22'39.515"W



86.1 cubic yards fill below OHWM



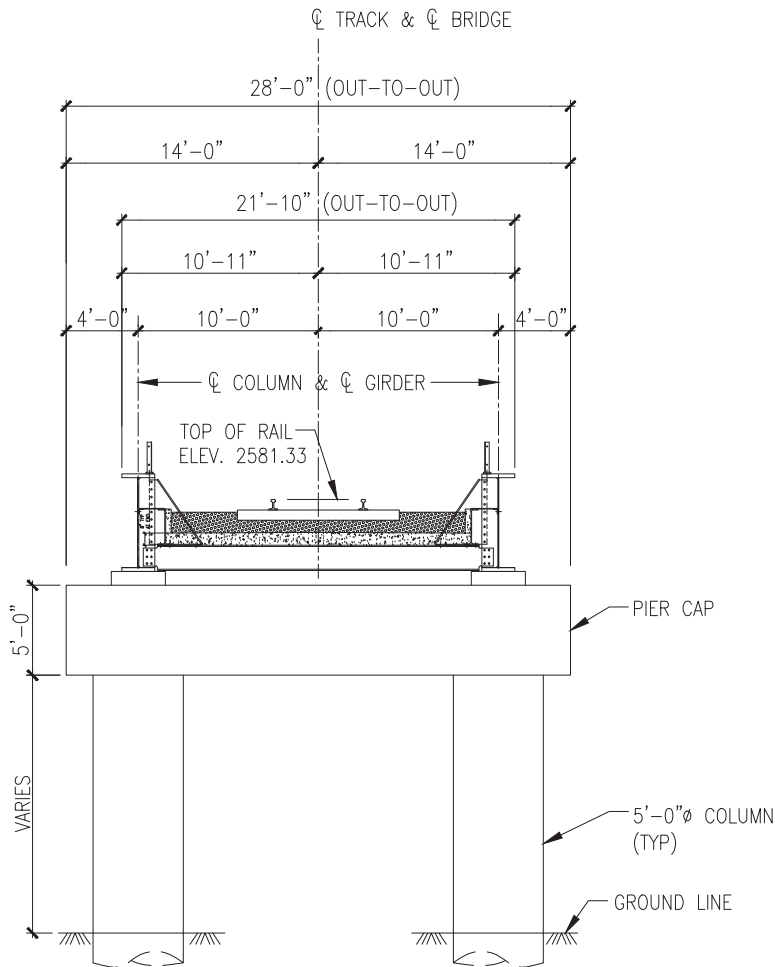
NOTE:
 VERTICAL DATUM BASED ON NAD83 (2011) TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE.



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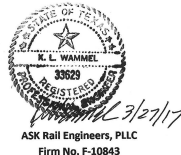
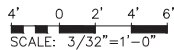
RIO GRANDE RIVER BRIDGE
 TEXAS DEPARTMENT OF TRANSPORTATION (OWNER)
 PRESIDIO COUNTY, PRESIDIO, TEXAS
 RIVER MILE 948.80
 ELEVATION VIEW

CONTRACT	SHT NO.	REV
	SH. 3 OF 5	X



TYPICAL SECTION

SCALE: 3/32" = 1'-0"

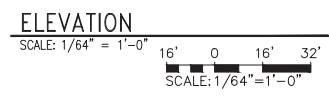
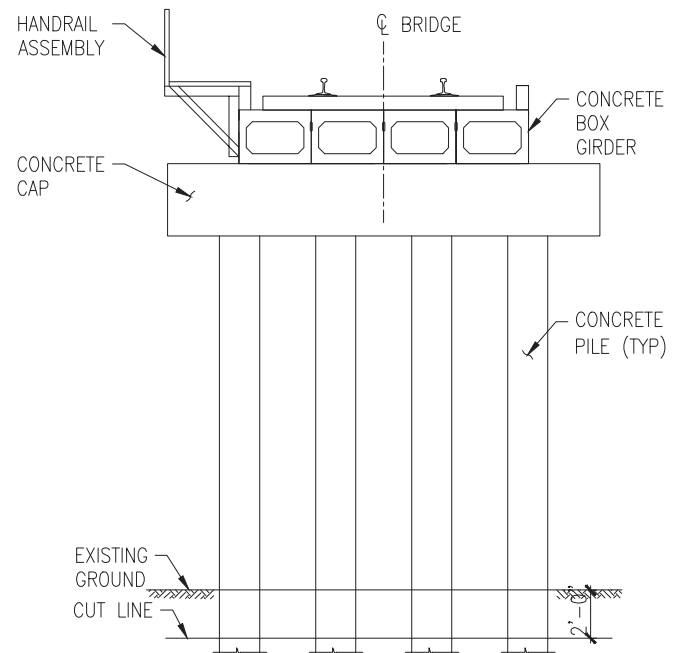
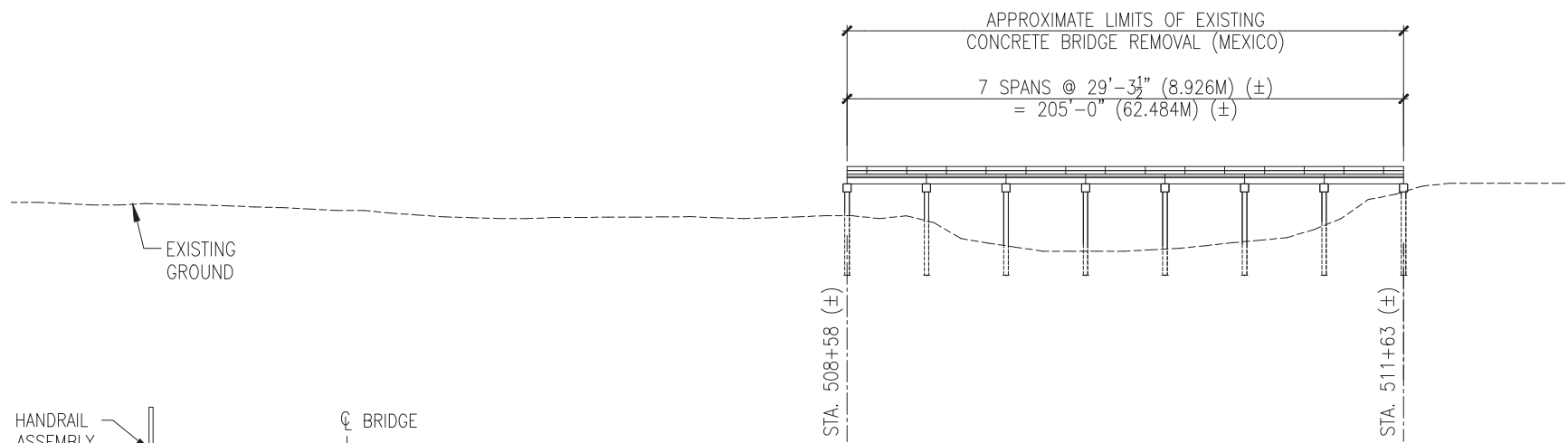


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RIO GRANDE RIVER BRIDGE
 TEXAS DEPARTMENT OF
 TRANSPORTATION (OWNER)
 PRESIDIO COUNTY, PRESIDIO, TEXAS
 RIVER MILE 948.80

TYPICAL SECTION

CONTRACT	SHT NO.	REV
	SH. 4 OF 5	X



**TYPICAL SECTION
EXISTING CONCRETE BRIDGE**
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"



K. L. Wammell
3/27/17
ASK Rail Engineers, PLLC
Firm No. F-10843



SCALE	AS SHOWN
DRAWN	RUA
DESIGNED	WNM
CHECKED	KLW
IN CHARGE	K. WAMMEL
DATE	3/27/2017

RIO GRANDE RIVER BRIDGE
TEXAS DEPARTMENT OF
TRANSPORTATION (OWNER)
PRESIDIO COUNTY, PRESIDIO, TEXAS
RIVER MILE 948.80
EXISTING BRIDGE REMOVAL

CONTRACT	SHT NO.	REV
	SH. 5 OF 5	X



BRIDGE PERMIT

29 AUG 2017

(9-17-8)

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Brian L. Dunn
Chief, Office of Bridge Programs
U.S. Coast Guard
By direction of the Commandant

TEXAS PACIFICO TRANSPORTATION, LTD (OPERATOR)
 TEXAS DEPARTMENT OF TRANSPORTATION (OWNER)
 REPLACEMENT OF BRIDGE ACROSS
 RIO GRANDE (RIVER MILE 948.80)
 PRESIDIO, TEXAS
 OJINAGA, CHIHUAHUA



VICINITY MAP

MINIMUM NAVIGATIONAL CLEARANCES:

EXISTING:

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VERTICAL: 12.36 FEET (3.77 METERS) ABOVE ORDINARY HIGH WATER MARK, EL. 2550 FEET (777.24 METERS)

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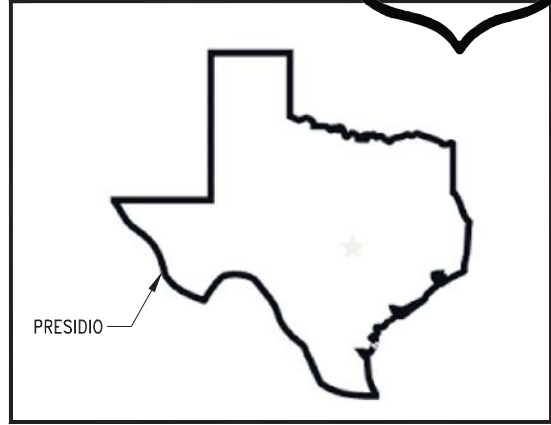
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VERTICAL DATUM BASED ON NAD83 (2011) TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE.

NOTE:
 STRUCTURE IS DESIGNED TO MEET THE RECOMMENDED PRACTICE OF THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION "MANUAL FOR RAILWAY ENGINEERING".

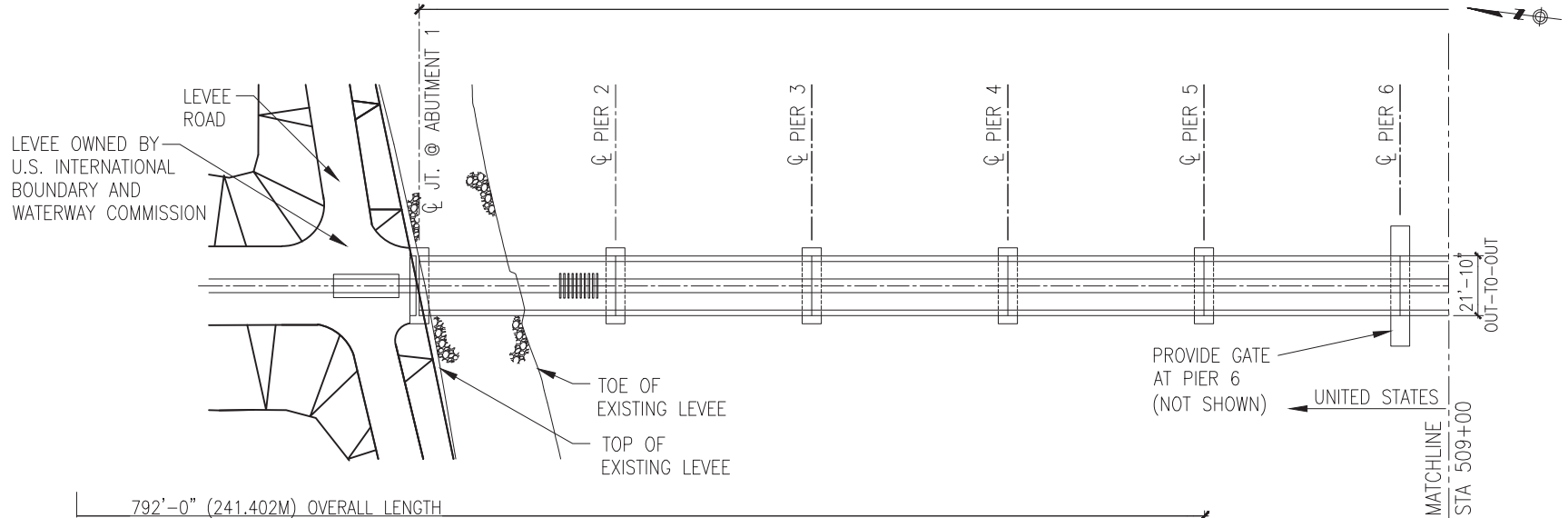


TEXAS

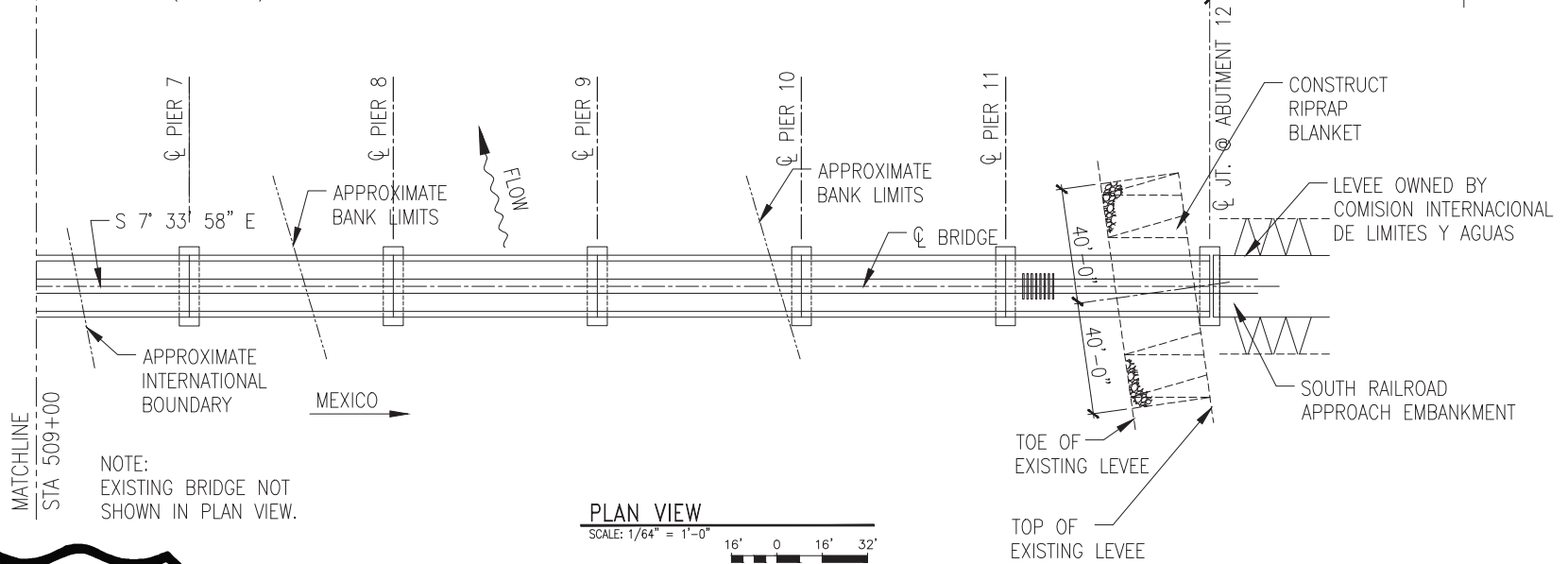
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SCALE	AS SHOWN	RIO GRANDE RIVER BRIDGE TEXAS DEPARTMENT OF TRANSPORTATION (OWNER) PRESIDIO COUNTY, PRESIDIO, TEXAS RIVER MILE 948.80 TITLE SHEET
DRAWN	RUA	
DESIGNED	WNM	
CHECKED	KLW	
IN CHARGE	K. WAMMEL	
DATE	3/27/2017	
CONTRACT	SHT NO.	REV
	SH. 1 OF 5	



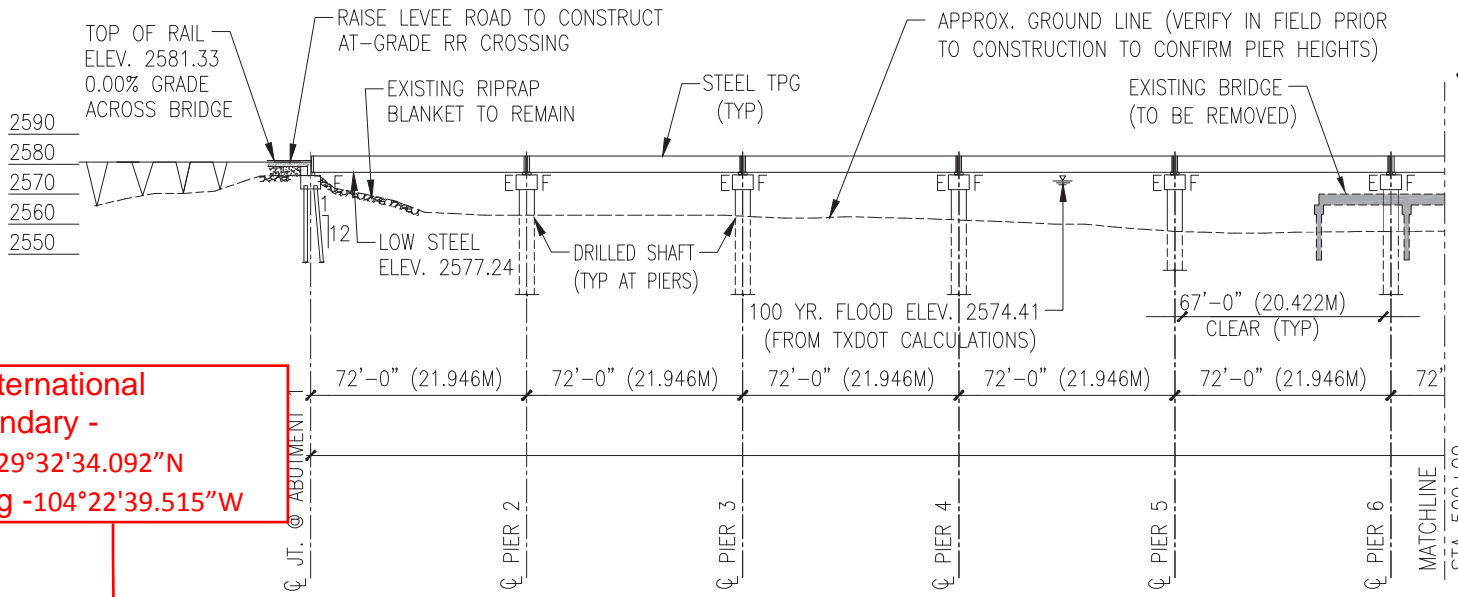
792'-0" (241.402M) OVERALL LENGTH



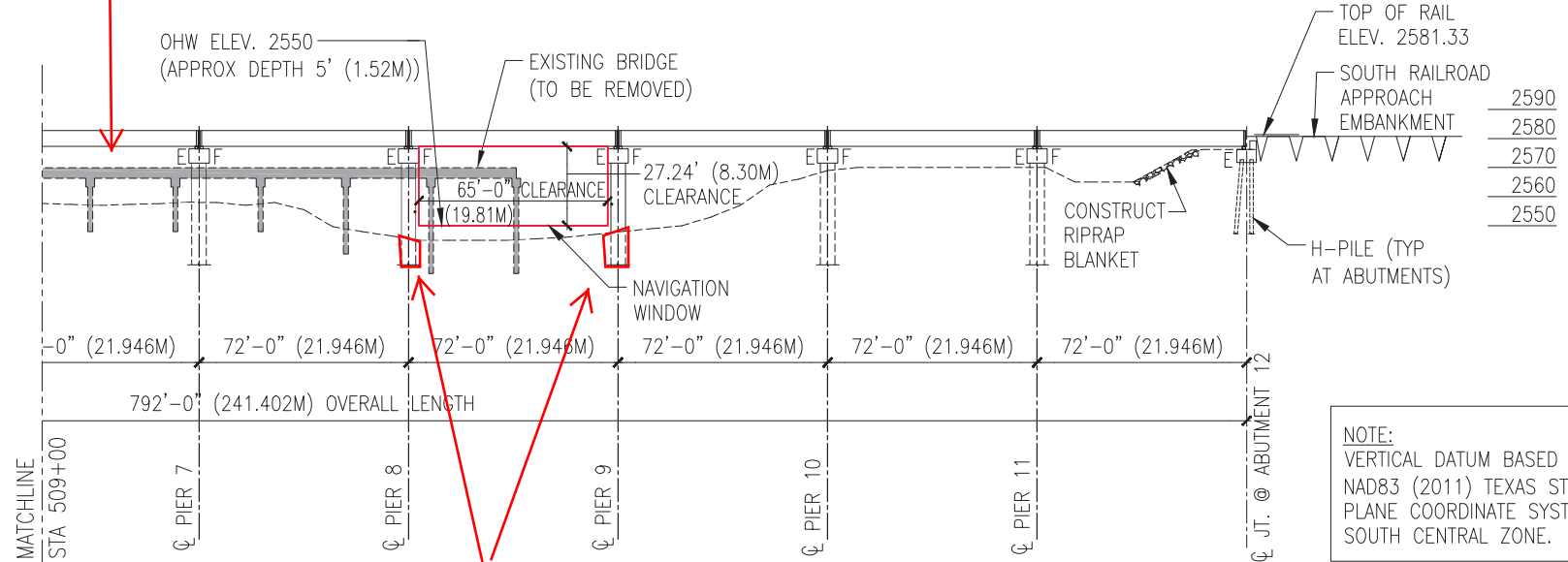
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RIO GRANDE RIVER BRIDGE
 TEXAS DEPARTMENT OF
 TRANSPORTATION (OWNER)
 PRESIDIO COUNTY, PRESIDIO, TEXAS
 RIVER MILE 948.80
 PLAN VIEW

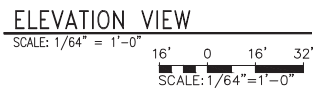
CONTRACT	SHT NO.	REV
	SH. 2 OF 5	X



~ International Boundary -
 Lat 29°32'34.092"N
 Long -104°22'39.515"W



86.1 cubic yards fill below OHW



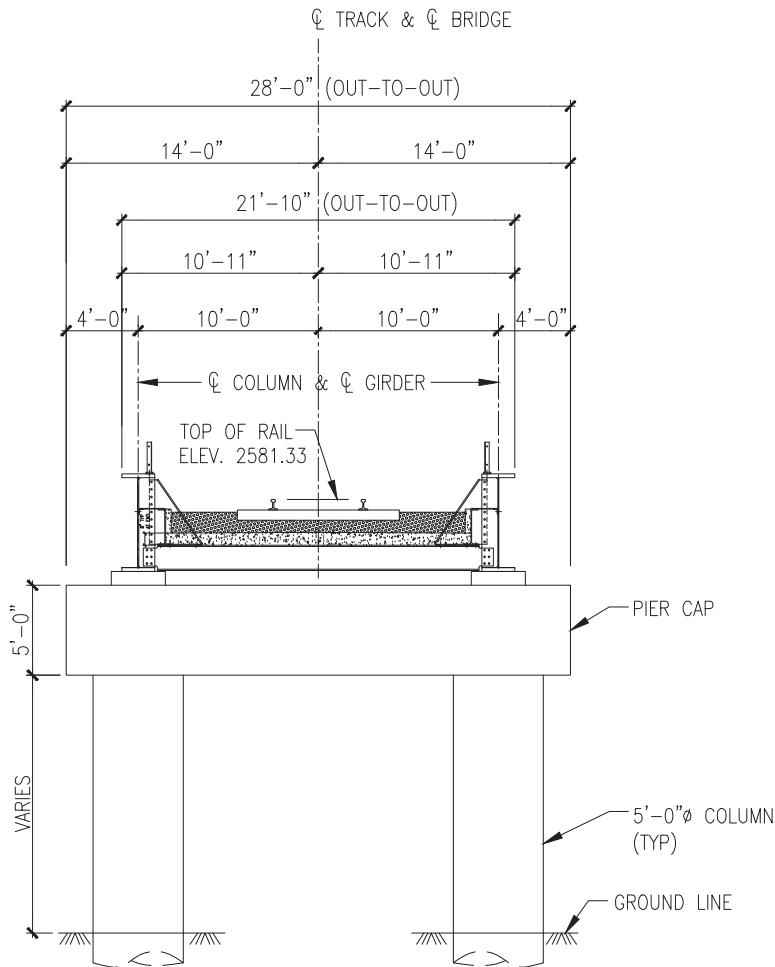
NOTE:
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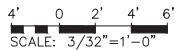
RIO GRANDE RIVER BRIDGE
 TEXAS DEPARTMENT OF TRANSPORTATION (OWNER)
 PRESIDIO COUNTY, PRESIDIO, TEXAS
 RIVER MILE 948.80
 ELEVATION VIEW

CONTRACT	SHT NO.	REV
	SH. 3 OF 5	X



TYPICAL SECTION

SCALE: 3/32" = 1'-0"

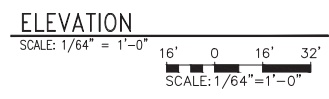
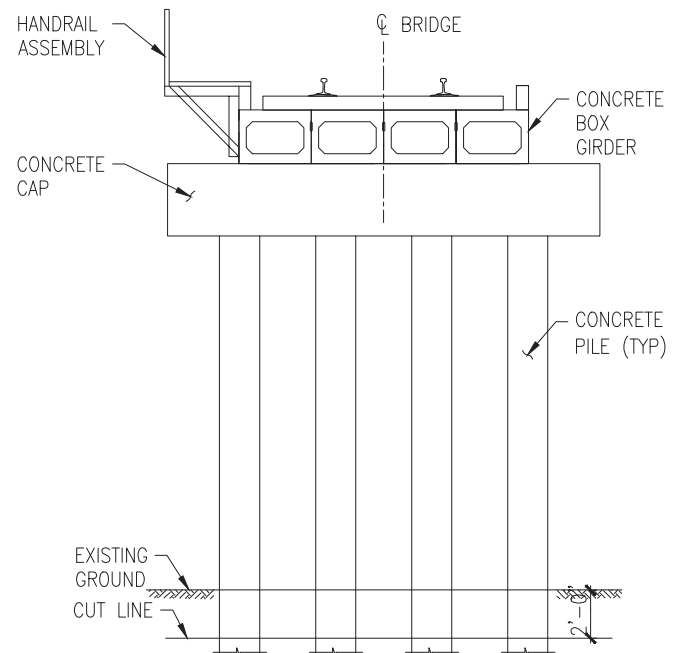
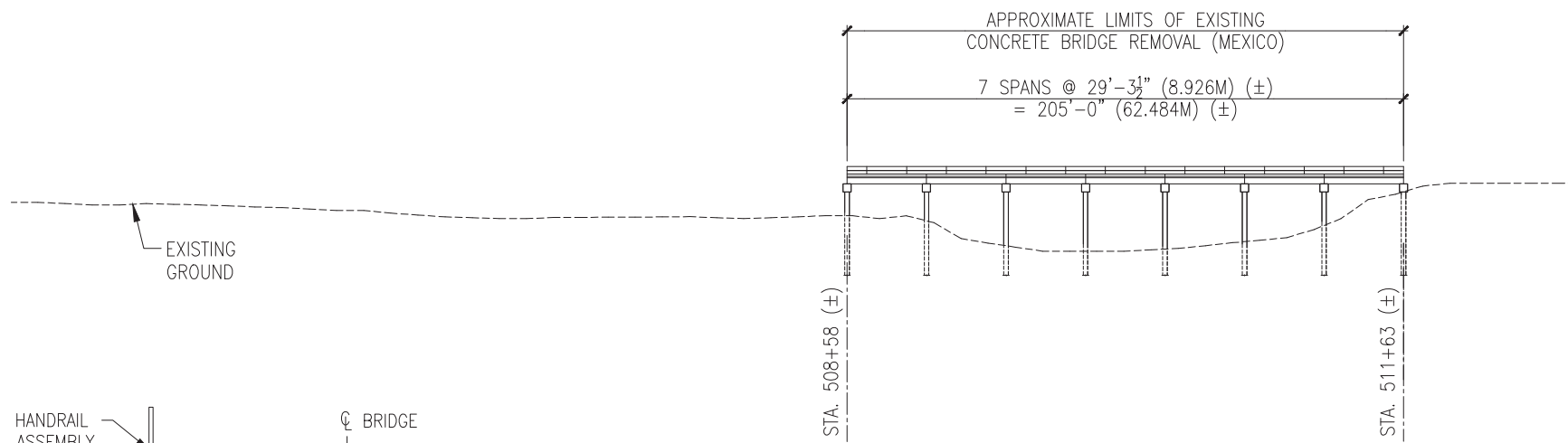


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RIO GRANDE RIVER BRIDGE
 TEXAS DEPARTMENT OF
 TRANSPORTATION (OWNER)
 PRESIDIO COUNTY, PRESIDIO, TEXAS
 RIVER MILE 948.80

TYPICAL SECTION

CONTRACT	SHT NO.	REV
	SH. 4 OF 5	X



TYPICAL SECTION
EXISTING CONCRETE BRIDGE

SCALE: 1/8" = 1'-0"

2' 0 2' 4'

SCALE: 1/8" = 1'-0"



SCALE	AS SHOWN	RIO GRANDE RIVER BRIDGE TEXAS DEPARTMENT OF TRANSPORTATION (OWNER) PRESIDIO COUNTY, PRESIDIO, TEXAS RIVER MILE 948.80 EXISTING BRIDGE REMOVAL
DRAWN	RUA	
DESIGNED	WNM	
CHECKED	KLW	
IN CHARGE	K. WAMMELL	
DATE	3/27/2017	
CONTRACT	SHT NO.	
	SH. 5 OF 5	X