

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SIGNING & PAVEMENT MARKINGS
3	GENERAL NOTES
4	RAILROAD SIGNAL CIRCUIT LAYOUT
5	STANDARD SHEETS BELOW

STANDARD SHEETS BELOW  
RCPM-09

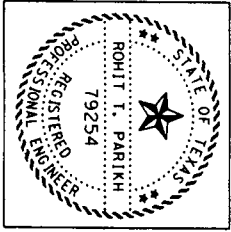
SHEET NO. 4, WIRING DIAGRAM, SHOWING RAILROAD SIGNAL CIRCUITS FOR THIS PROJECT WAS NOT DESIGNED BY THE UNDERSIGNED ENGINEER.

THE STANDARD SHEETS SPECIFICALLY IDENTIFIED AS SHEET NOS. 5 HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

*Rohit T. Parikh*  
ROHIT T. PARIKH, P.E.  
SENIOR TRAFFIC ENGINEER

DATE

SEAL



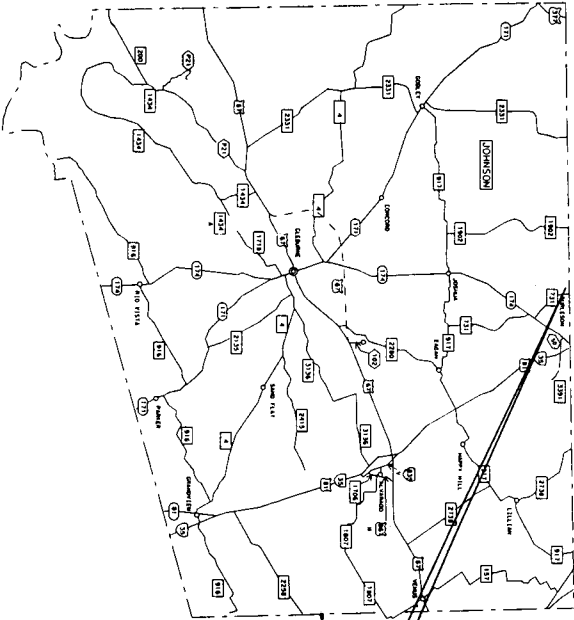
NOTE:  
THE RAILROAD COMPANY SHALL ERECT AND MAINTAIN SUCH BARRICADES AND WARNING SIGNS OR USE SUCH PRECAUTIONS AS MIGHT BE NECESSARY, IN THE OPINION OF THE TxDOT ENGINEER, TO INSURE AND SAFEGUARD THE NORMAL USE OF THE HIGHWAY DURING THE INSTALLATION OF THIS PROJECT.

THE ASSOCIATION OF AMERICAN RAILROADS, SIGNAL SECTION, SPECIFICATIONS SHALL GOVERN FOR THIS PROJECT.

STATE OF TEXAS  
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED  
STATE HIGHWAY IMPROVEMENT

PROJECT NO. STP 2013(368)FRS  
CSJ NO. 0902-50-111  
BNSF RAILWAY COMPANY  
UPGRADE EXISTING ACTIVE GRADE CROSSING WARNING DEVICES  
ON COUNTY ROAD 921 IN BURLESON  
JOHNSON COUNTY - DOT NO. 020 460 G



PROJECT LOCATION  
CR 921, DOT NO. 020 460G  
BNSF RAILWAY, RMP: 331.33

THESE PLANS WERE DEVELOPED BY MEMBERS OF THE DIAGNOSTIC TEAM IN ACCORDANCE WITH TERMS OF THE STATE-RAILROAD AGREEMENT AND ARE HEREBY AUTHORIZED FOR CONSTRUCTION.

TEXAS DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]* July 9<sup>th</sup> 2013  
MANAGER, CITY OF BURLESON

SUBMITTED FOR APPROVAL: *[Signature]* July 20 2013  
DIRECTOR OF TRANSPORTATION OPERATIONS

RECOMMENDED FOR APPROVAL: \_\_\_\_\_ 20\_\_\_\_  
APPROVED FOR CONSTRUCTION: \_\_\_\_\_ 20\_\_\_\_

DISTRICT ENGINEER \_\_\_\_\_ DIRECTOR, RAIL DIVISION

FED. AID DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
6	TEXAS	STP 2013(368)FRS	1
2	TARRANT	0902-50-111	CR 921

## GENERAL NOTES

1. SIGNAL CIRCUITS ARE DESIGNED TO GIVE 20 SECONDS MINIMUM WARNING TIME PRIOR TO THE ARRIVAL OF THE FASTEST TRAIN AT THIS CROSSING.
2. EXISTING CONSTANT WARNING CIRCUITS ARE TO REMAIN AT THIS LOCATION. RTU CELL UNIT UPGRADE REQUIRED IN THE EXISTING CONTROL CABIN FOR CIRCUIT COMPATIBILITY.
3. THE RAILROAD COMPANY OR ITS CONTRACTOR WILL REMOVE THE EXISTING SIDE LIGHT AS SHOWN ON THE LAYOUT.
4. THE STATE OR ITS CONTRACTOR WILL FURNISH AND INSTALL OR REPLACE THE APPROPRIATE PAVEMENT MARKINGS AS OUTLINED ON THE ATTACHED LAYOUT AND STANDARD SHEET AND IN ACCORDANCE WITH THE GUIDELINES IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. THE STATE OR ITS CONTRACTOR WILL FURNISH AND INSTALL OR REPLACE THE FOLLOWING SIGNS IN ACCORDANCE WITH THE GUIDELINES IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND THE STANDARD HIGHWAY SIGN DESIGNS MANUAL FOR TEXAS (SHSD): 2 EA. (W10-1), 2 EA. (R15-4).
6. THE COUNTY AND CITY AGREES TO MAINTAIN THE PAVEMENT MARKINGS AND ADVANCE WARNING SIGNS PLACED ALONG THE ROADWAYS UNDER THEIR JURISDICTION IN ACCORDANCE WITH THE GUIDELINES IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND AS SHOWN ON THE LAYOUT AND STANDARD SHEETS AS ACKNOWLEDGED ON THE TITLE SHEET.
7. THE COUNTY AND CITY AGREES TO TRIM AND MAINTAIN TREES AND VEGETATION FOR ADEQUATE VISIBILITY OF THE CROSSING SIGNALS AND ADVANCE WARNING SIGNS AS ACKNOWLEDGED ON THE TITLE SHEET.
8. THE RAILROAD COMPANY OR ITS CONTRACTOR WILL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE GUIDELINES IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

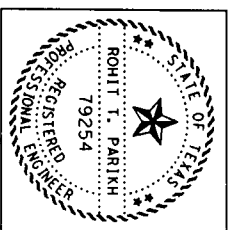
## DESCRIPTION OF PROJECT

UPGRADE EXISTING LIGHTS TO LED'S AND REPLACE MECHANICAL BELLS WITH ELECTRONIC BELLS.  
 12" LAMP HOUSING SHALL BE USED AND EQUIPPED WITH LIGHT EMITTING DIODES (LED'S),  
 OPERATED AT NOT LESS THAN 8.5 VOLTS UNDER NORMAL OPERATING CONDITIONS.

## GENERAL NOTES

BNSF RAILWAY COMPANY  
 EXISTING GRADE CROSSING WARNING DEVICES  
 ON CR 921 IN BURLESON-JOHNSON CO.  
 DOT NO. 020 460G RMP 331.33

*Rohit T. Parikh*  
 ROHIT T. PARIKH, P.E.      DATE 06-20-13

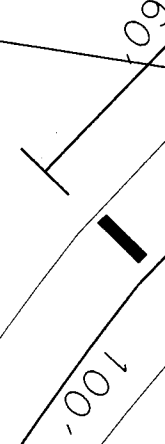


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
6	TEXAS	STP 2013(368)FRS	3
DISTRICT NO.	COUNTY	COR. STATE NO.	HIGHWAY NO.
2	JOHNSON	0902-50-111	CR 921

CR 921



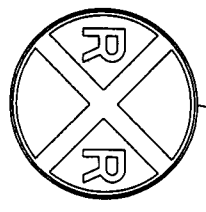
RR TO INSTALL RTU IN EXISTING CABIN AT STATE'S EXPENSE.



PROPOSED STOP BAR LOCATED 8 FEET IN FRONT OF GATE

RR TO UPGRADE GATE LIGHTS TO LED'S AT STATE'S EXPENSE.

W10-1 (36" DIA.)



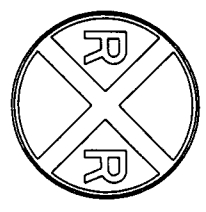
JOHNSON COUNTY LINE  
BURLESON CITY LIMIT

RR TO UPGRADE GATE LIGHTS TO LED'S AT STATE'S EXPENSE.

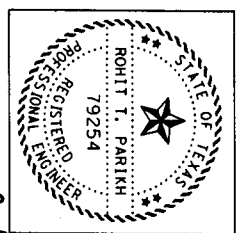
RR TO REMOVE SIDE LIGHT

PROPOSED STOP BAR LOCATED 8 FEET IN FRONT OF GATE

W10-1 (36" DIA.)



NOTE: THE CITY OF BURLESON AND JOHNSON COUNTY HAS AGREED TO MAINTAIN THE SIGNING AND PAVEMENT MARKINGS AT THIS RAILROAD CROSSING AS DETAILED ON THIS LAYOUT SHEET AND THE ATTACHED STANDARD SHEETS AFTER THIS PROJECT IS COMPLETED. SEE STANDARD SHEET RCPM-09 FOR DETAILS.

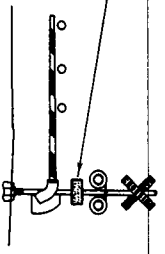


*Rohit T. Parikh*  
ROHIT T. PARIKH, P.E. DATE 06-20-13

LAYOUT SHEET & SIGNS & PAVEMENT MARKINGS

BNSF RAILWAY COMPANY  
EXISTING GRADE CROSSING WARNING DEVICES ON CR 921 IN BURLESON-JOHNSON CO.  
DOT NO. 020 460G RRP 331.33

RIS-SIGNS ON SIGNAL MAST POLES  
REPORT PROBLEMS TO 1-800-772-7677  
CROSSING #020 460G



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SCALE: 1" = 20'

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
6	TEXAS	STP 201316801FS	2
DIST. NO.	COUNTY	CONTRACT NO.	HIGHWAY NO.
2	JOHNSON	0902-50-111	CR 921

