

TXDOT TRAFFIC SIGNAL PREEMPTION INSPECTION FORM

Form 2625 (Rev. 09/23)

of Transportation			ection 1 (Seneral Information					
<u>Section 1 – General Information</u> Reason for Inspection: New Location Annual Inspection System Changes After Incident Other:									
· · · · · · · · · · · · · · · · · · ·	ist of Attende		Ailiuai	Original Design Data Av					
Date of Inspection: Time:				Inspector Certification ID:					
TXDOT District:				•					
Traffic Signal Owner:		TXDOT Traffic Signal ID#: Traffic Signal Maintained by:							
Operating Railroad:				Commuter or Amtrak R		Yes	No		
	Dailroad Co	ما مان بامام		Commuter of Amiliak K	oute?				
DOT#: Other DOT# assigned an adjacent track	Railroad S	upaivisio)f1.	NI/A		Ra	ilroad Milepost:		
Other DOT# assigned on adjacent track	•			N/A Parallel Street Name:					
City: State: County:									
Any roadway geometry changes since la a. If yes, review impact on existing	•			ns. <u>Contact TXDOT Austi</u>	n TRF/D	istrict R	ailroad Coordinator/Railroad.		
Posted Roadway Speed: mph									
ENS phone number posted at railroad of a. Call ENS phone number to co	Ū	es N d Dispat		dentify crossing location:					
Remarks:									
		<u>s</u>	Section 2 –	Traffic Signal Data					
Traffic signal cabinet type: a. Changed since last inspection	n? Yes	No N	/A Previo	ous Type:					
Traffic signal controller - Type: a. Changed since last inspection	ı? Yes		acturer: /A Previo	Model: ous Type:	Manu	ufacture	r: Model:		
3. Traffic signal controller firmware:		Version	າ:						
 a. Changed since last inspection 	n? Yes	No N	/A Previo	ous Version:					
4. Traffic signal design plans in cabinet?	? Yes	No							
a. If yes, date on plans:				b. If no, follow	up with	Agency	to locate plans		
5. Traffic signal timing data in cabinet?	Yes	No							
a. If yes, date on data:						Agency	/ to locate data		
Preemption warning sticker present in Preemption railroad interconnect stick	ker present in	police a	ccess door			D - II	d Oo and in about a fact all		
a. If yes, verify information on la				•			d Coordinator to install		
7. Does traffic controller have existing b				No If yes, type -	BBU	Genera	ator Other:		
8. Interconnection method - Relay Pa			Isolator Ca						
9. Interconnection voltage - 120 Vac	24 Vac	12 Vdc	24 Vdc	Other:	1				
10. Interconnection circuits:	Designed:	N/A:	Designed	configuration:	Yes Yes	ected: No	Connected configuration:		
Advance (Vehicle) Preemption									
Advance Pedestrian Preemption									
Gate Down									
Crossing Active									
Traffic Signal Health									
Comments:						•			

Section 3 – Traffic Signal Timing/Phasing																
11. Phasing Diagram under Normal Operations: (Additional diagrams available in <u>Appendix – Additional Intersection Diagrams</u> or provide sketch)																
						List of Overlaps: OL Parent Ø: OL Parent Ø: OL Parent Ø: OL Parent Ø:										
NORTH ————————————————————————————————————																
Parallel Street Name:																
Notes:					Crossing Street Name:											
		Number o	Tracks:					711		+						
12. Controller resp		· · · · ·		1												
13. Worst-case cor		. ,		14	1. Wor			icting	pedest	rian pl	hase nu		. ,			
Track clearance,	dwell, and exit se	_				Desi	gned:					Pro	gramr	ned:		
15. Track clearanc	e –	Clearance pha														
		Clearance	plan number:													
a. Preempt	Trap resolution:	Gate Down Cir	cuit APT+15	Simultaneous Preemption Other:												
16. Preemption dw	ell –	D	vell operation:													
let i roompaon av	o.i.	Dwel	plan number:													
If limited-ser	vice operation –	Dwell pha	se number(s):													
If flash – red/yellow operation –		Red flash pha	se number(s):													
ii iiddii Todiyo	now operation	Yellow flash pha	se number(s):													
17. Preemption exi	t —	Exit pha	se number(s):	number(s):												
		Exi	plan number:													
Remarks:																
18. Yellow Trap:	During normal o	peration resolution	1:					Rema	ırks:							
Tor rollow rrap.	During preempti	on operation reso	ution:					R	emark	s:						
19. Is railroad pree		iority in the traffic	signal controller	? Yes				expla								
Preemption setting	igs		T		Pre	empt 1		empt 2		empt 3	Pree 4			empt 5	Pree	empt S
20. Preemption pla	in purpose:			esigned:												
			Progra	ammed:												
	D = Designed	P = Programme	d			T _		_			seconds	1		I _		
21. Preempt delay	time				D	Р	D	Р	D	Р	D	Р	D	Р	D	Р
22. Minimum green time during right-of-way transfer																
23. Other green time during right-of-way transfer																
24. Yellow change time																
25. Red clearance time																
26. Minimum walk time during right-of-way transfer																
27. Pedestrian clea			sfer								l					
28. Track clearanc		· · ·														
29. Track clearanc		time after gate do	own													
30. Preempt durati		_														
31. Minimum dwell	time															
32. Maximum pree	32. Maximum preemption timer (min)															

Section 4 – Railroad Data								
33. Railroad equipment – Predictor Model: a. Change since last inspection? Yes No N/A Previous Predictor Model:								
Preemption Programming								
34. Type of Preemption: Simultaneous Preemption Advar	nce (Vehicle) Preemptio	n Advance Ped	destrian Pre	emption				
35. Track # 1 – Main	Railroad Design Spee	d (mph):		Remarks				
	Designed	Programmed	N/A					
a. Warning time								
b. Advance preempt timer								
c. Preempt warning time (Vehicle)								
d. Pedestrian preempt warning time								
e. Approach (feet)								
f. Approach field measured (feet) [If applicable]:								
36. Track # 2 – Main Siding Industry/Spur N/A	Railroad Design Spee	d (mph):		Remarks				
Remarks:	Designed	Programmed	N/A					
a. Warning time		-						
b. Advance preempt timer								
c. Preempt warning time (Vehicle)								
d. Pedestrian preempt warning time								
e. Approach (feet)								
f. Approach field measured (feet) [if applicable]:								
37. Are there more than 2 tracks programmed at the grade crossing? Yes No a. If yes, include additional track data in <i>Appendix</i>								
38. Do railroad switching moves take place at or within the approaches for this grade crossing? Yes No								
39. Is the grade crossing controlled through a DAX (Downstream Adjacent Xing), or remote location? Yes No a. If yes, include DAX								
information in <u>Appendix</u>								
Section 5 – Traffic Signal/Active Warning Preemption Testing								
40. Method used for advance (vehicle) testing: Test switch Open relay Train activation Other:								
41. Method used for advance pedestrian testing: N/A Test switch Open relay Train activation Other:								
42. Method used for crossing active testing: N/A Test switch Open relay Train activation Other:								
43. Preemption test during worst-case vehicle phase(s) – Opera		Remarks:						
	Right-of-Way Transfer	Time (RWTT) (sec	onds):					
44. Preemption test during best-case vehicle phase – Operating		Remarks:	,					
	RWTT (seconds):							
45. Preemption test during worst-case pedestrian phase – Oper		Remarks:						
	RWTT (seconds):							
46. Track clearance reservice/second train - Operating as design	ned?	Remarks:						
Yes No N/A								
47. Advance pedestrian preemption test - Operating as designe	d?	Remarks:						
Yes No N/A								
48. Crossing active circuit test - Operating as designed? Remarks:								
Yes No N/A a. Field measured RWTT (seconds):								
49. Gate down circuit test - Operating as designed? Remarks:								
Yes No N/A								
50. Supervised circuit test - Operating as designed?		Remarks:						
Yes No N/A								
51. Traffic signal health test - Operating as designed?		Remarks:						
Yes No N/A								
52. Backup power supply test - Operating as designed?		Remarks:						
Yes No N/A								
53. Blank out sign(s) test - Operating as designed?		Remarks:						
Yes No N/A								

List of Attendees

Name:	Company:	Email:	Phone #:

Options list

Section 2 - Traffic Signal Data

Box

- 1. Traffic signal cabinet type: TS-1; TS-2 Type 1; TS2 Type 2; 332; ACT/ITS; Other (Describe)
- 2. Traffic signal controller:

Type: 170; 2070; NEMA; Other (Describe)

Manufacturer: Econolite; Intelight; McCain; Siemens; Trafficware; Other (Describe)

Model: 170E; 2070; ASC/2; ASC/3; ATX; Cobalt; EPAC 300; M50; M60; ATC; Other (Describe)

Designed and Connected configurations: Blank (if N/A selected); No supervision, single break; No supervision, double break; Supervision, double break

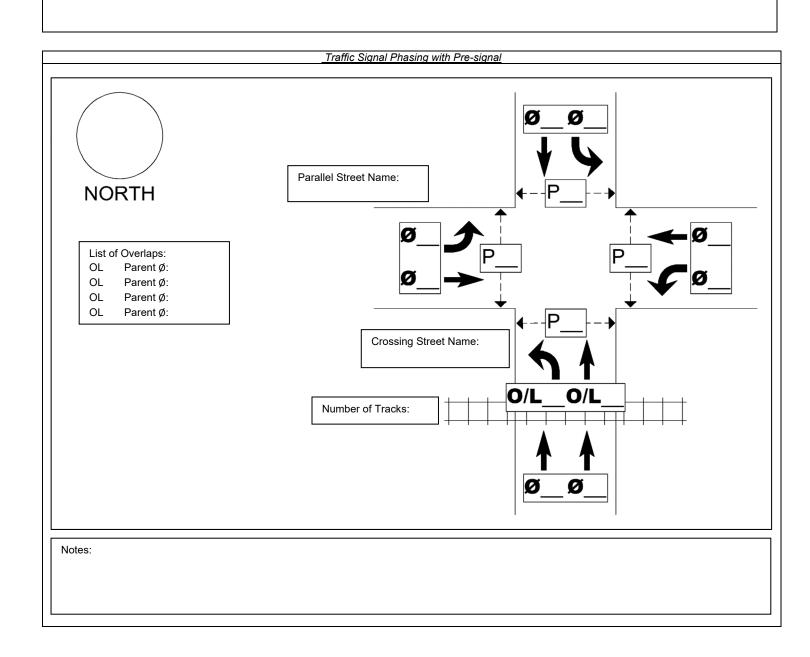
Section 3 - Traffic Signal Timing/Phasing

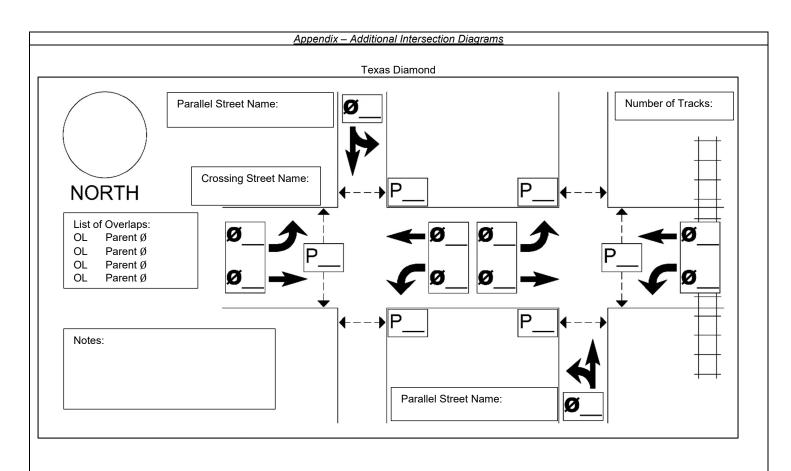
- 16. Preemption dwell Designed and Programmed: Limited Service; Full Service; Flash all red; Flash red/yellow; Other (Describe)
- 18. **Yellow Trap Resolution Normal operation and Preemption operation:** All-red before track clearance green; Flashing yellow arrow; Split phase; No yellow trap; Yellow trap still present
- 20. Preemption plan purpose all preempt plans, both designed and programmed: (1) Preemption interconnect failure; (2) Advance (Vehicle) preemption Track clearance only; (3) Simultaneous preemption Track clearance only; (4) Advance (Vehicle) preemption Track clearance and dwell; (5) Simultaneous preemption Track Clearance and dwell; (6) Dwell/Limited Service; (7) Second track clearance; (8) Advance (Pedestrian) preemption; N/A

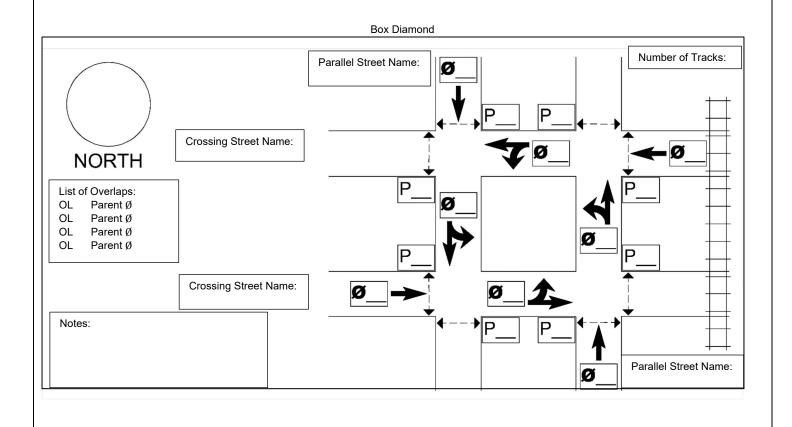
Section 4 - Railroad Data

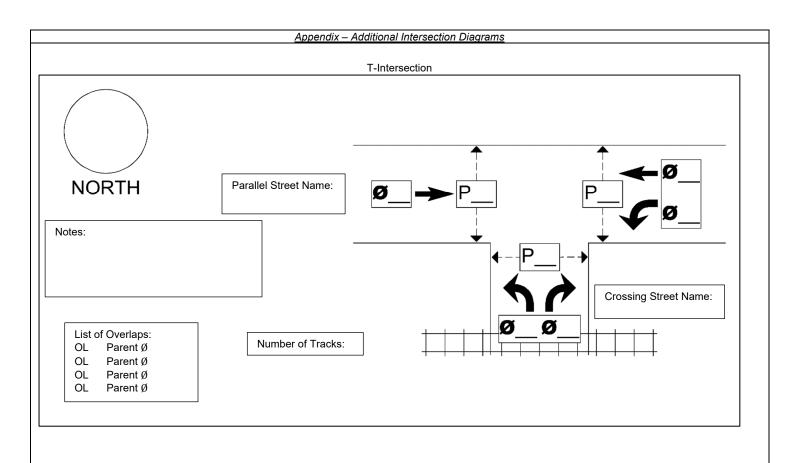
33. Railroad equipment - Predictor Model: Ex - GCP3000, GCP4000, GCP5000, HXP2, HXP3, HXP3R, HXP3R2, PMD-2, PMD-3, PMD-4, XP4

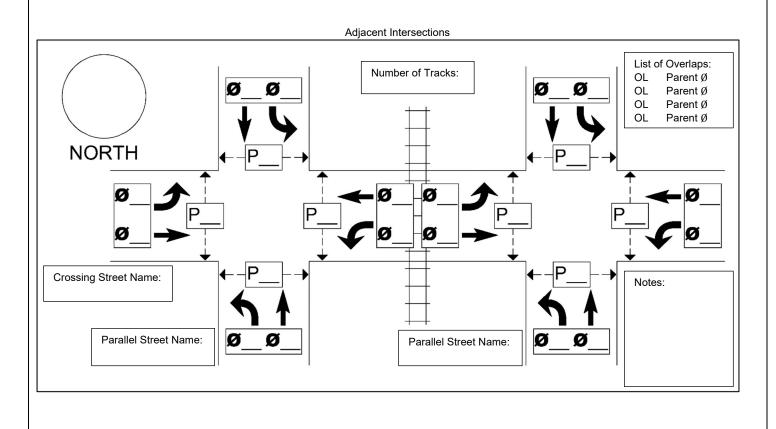
Appendix – Pre-signal Data								
54. Describe location of the pre-signal relation to the railroad tracks:	Upstr	eam	Downstream Remarks:					
55. Do motorists routinely stop at pre-signal stop line?	Yes	No	Remarks:					
56. Are right turns on red restricted across the railroad tracks?	Yes	No	Remarks:					
57. Are the downstream signal indications visible at the pre-signal stop line?	Yes	No	Remarks:					
58. Are the pre-signal indications ball or thru arrow indications only?	Yes	No	Remarks:					
59. Is the pre-signal progressively timed with the downstream signals?	Yes	No						
a. Designed Clearance Time b. Programmed Clearance	Time							
60. Is a "Stop Here on Red", R10-6 sign installed adjacent to the pre-signal stop line?	Yes	No	Remarks:					
61. Is the stop line for the pre-signal located at least 40 feet from the indications?	Yes	No	If no, what is the measurement:					
62. Do the pre-signal indications change to and remain red during preemption?	Yes	No	Remarks:					
Pre-signal Comments:								











Annandia Interpoliting Clientale Area	
Appendix – Intersection Sketch Area	

		Appendix – Addition	al Tracks		
Track #:	Main Siding Industry/Spur	Railroad Design Sp	Remarks		
		Designed	Programmed	N/A	
a. War	rning time				
b. Adv	ance preempt timer				
c. Pre	empt warning time (Vehicle)				
d. Ped	lestrian preempt warning time				
е. Арр	roach (feet)				
f. App	roach field measured (feet) [If applicable]:			'	
Track #:	Main Siding Industry/Spur	Railroad Design Sp	eed (mph):		Remarks
	, , ,	Designed	Programmed	N/A	
a. War	rning time		Ü		
	rance preempt timer				
	empt warning time (Vehicle)				
	lestrian preempt warning time				
	proach (feet)				
	proach field measured (feet) [If applicable]:			1	
Track #:	Main Siding Industry/Spur	Railroad Design Sp	eed (mnh).		Remarks
11dok #	Main Claing industry/Opai	Designed	Programmed	N/A	Romano
a. War	rning time	Designed	1 Togrammed	IV/A	
	rance preempt timer				
	empt warning time (Vehicle)				
	lestrian preempt warning time				
	roach (feet)				
	roach field measured (feet) [If applicable]:				
		Dellared Design On	d (Domonto
Track #:	Main Siding Industry/Spur	Railroad Design Sp			Remarks
- 10/		Designed	Programmed	N/A	
	rning time				
	rance preempt timer				
	empt warning time (Vehicle)				
	lestrian preempt warning time			 	
	proach (feet)				
	roach field measured (feet) [If applicable]:	1 =			
Track #:	Main Siding Industry/Spur	Railroad Design Sp			Remarks
		Designed	Programmed	N/A	
	rning time			<u> </u>	
	ance preempt timer				
	empt warning time (Vehicle)				
	lestrian preempt warning time				
	roach (feet)				
f. App	roach field measured (feet) [If applicable]:				

	Appendix – DAX (Downstream Adjacent Xing) Locations								
Crossing	DOT#:	Milepost:	Roadway Name (IF applicable):					
Track #:	DAX Identifier:	DAX Identifier:		Programmed	N/A	Remarks			
a.	Warning time								
b.	DAX warning time								
C.	Offset distance (feet)								
d.	Approach (feet)								
e.	Approach field measured (fee	•							
Crossing	DOT#:	Roadway Name	(IF applicable):	<u> </u>					
Track #:	DAX Identifier:	Milepost:	Designed	Programmed	N/A	Remarks			
a.	Warning time		-	_					
b.	DAX warning time								
C.	Offset distance (feet)								
d.	Approach (feet)								
e.	Approach field measured (fee	et) [if applicable]:	L						
Crossing		Milepost:	Roadway Name	(IF applicable):	L				
Track #:	DAX Identifier:	'	Designed	Programmed	N/A	Remarks			
a.	Warning time	<u> </u>	Ü						
b.	DAX warning time								
C.	Offset distance (feet)								
d.	Approach (feet)								
e.	Approach field measured (fee								
Crossing		Roadway Name	(IF applicable).						
Track #:	DAX Identifier:	Milepost:	Designed	Programmed	N/A	Remarks			
a.	Warning time		g	,					
b.	DAX warning time								
C.	Offset distance (feet)								
d.	Approach (feet)								
e.	Approach field measured (fee	et) [if applicable]:							
Crossing		Milepost:	Roadway Name	(IF applicable).					
Track #:	DAX Identifier:		Designed	Programmed	N/A	Remarks			
a.	Warning time			g. a	,, .	. temante			
b.	DAX warning time								
C.	Offset distance (feet)								
d.	Approach (feet)								
e. Approach field measured (feet) [if applicable]:									
Crossing	• • • • • • • • • • • • • • • • • • • •	Milepost:	Roadway Name	(IF applicable).					
Track #:	DAX Identifier:	_ <u>'</u>	Designed	Programmed	N/A	Remarks			
a.	Warning time		Beelgried	1 Togrammou	1071	romano			
b.	DAX warning time								
C.	Offset distance (feet)								
d.	Approach (feet)								
e.	Approach field measured (fee	et) [if applicable].	l	<u> </u>					
	r	, _L appaubioj.							