TRAFFIC SIGNAL INVENTORY

No. __17_ Intersection: __Villa Maria @ Wm. Joel Bryan_____ Date of Installation: ___1980_____

NB/SB: ____Villa Maria_____ EB/WB ___Wm. Joel Bryan_____

Signal in Progression? Yes ___X_____ No _____

Lane Configuration

NB ___LT, T, RT_____ EB ___LT, T, T_____

SB ___LT, T, T_____ WB __LT, LT/T, T_____

Signal Type: Cantilevers ___X_____ Span Wire _____

Signal Configuration: (Vertical indicated by "V". Otherwise, signals mounted horizontally.)

NB __5-Sec, 3-Sec, 3-Sec, 3-Sec (w/ RT Arrow) (V)_____

SB __5-Sec, 3-Sec, 3-Sec_____

EB __4-Sec (w/ Green Ball/LT Arrow), 3-Sec_____

WB __4-Sec (w/ Green Ball/LT Arrow), 3-Sec_____

Lens Type: Glass ___X_____ LED: _____ Signal Head Color: __Yellow_____

Approach

	NB	SB	EB	WB
LT Lane?				
Length (ft.)	__127(+)__	___213___	__133(+)__	__130(+)__
RT Lane?				
Length (ft.)	_Unlimited_	___N/A___	___N/A___	___N/A___
Markings?				
Stop Line	____X____	____X____	____X____	____X____
Crosswalk	_____	_____	_____	_____
Signs?				
Left-Turn Signal	_____	_____	_____	_____
Left-Turn Yield on Green Ball	_____	_____	_____	_____
Protected Left on Green Arrow	____X____	____X____	____X____	____X____
Lane Use	_____	_____	_____	____X____
Right Lane Must Turn Right	____X____	_____	_____	_____
Other	_____	_____	_____	_____
Detection Type				
Loop	_____	_____	_____	_____
Video	____X____	____X____	____X____	____X____
None	_____	_____	_____	_____

TRAFFIC SIGNAL INVENTORY (Cont'd)

Controller: __EPAC 300_____
Cabinet Type: __P_____
Mounting Ground _X_____ Pole _____
Corner NE _____ NW _____ SE _____ SW __X____

Corner Inventory

	NE Corner	NW Corner	SE Corner	SW Corner
Signal Pole:				
Color	___Galv.__	___Galv.__	___Galv.__	___Galv.__
Height	__16 ft___	__16 ft___	__16 ft___	__16 ft___
Single Mast Arm	____X____	____X____	____X____	____X____
Dual Mast Arm	_____	_____	_____	_____
Mast Arm				
Color	___Galv.__	___Galv.__	___Galv.__	___Galv.__
Ped. Signals				
Color	___N/A___	___N/A___	___N/A___	___N/A___
Symbol	_____	_____	_____	_____
Word	_____	_____	_____	_____
On Signal Pole	_____	_____	_____	_____
On Pedestal Pole	_____	_____	_____	_____
On Other Pole	_____	_____	_____	_____
Illumination				
Yes/No	___No____	___Yes___	___Yes___	___No____
On Signal Pole	_____	_____	_____	_____
On Adjacent Pole	_____	____X____	____X____	_____
Street Name Sign				
None	_____	____X____	____X____	_____
Normal (on Signpost)	____X____	_____	_____	____X____
On Mast Arm	_____	_____	_____	_____
On Signal Pole	_____	_____	_____	_____
Illuminated	_____	_____	_____	_____
Confirmation Lights				
Yes/No	___No____	___No____	___No____	___No____
Priority Detectors				
Yes/No	___No____	___No____	___No____	____No___
Ramps				
None	_____	____X____	_____	_____
Not Possible	_____	_X (Inlet)__	_____	_____
Handicapped (Old)	____X____	_____	____X____	____X____
Ambulatory (New)	_____	_____	_____	_____

Comments: _____
_____
_____

Traffic Signal Inspection

Location: ***Villa Maria @ Wm. Joel Bryan***

Date of Inspection: *March 13, 2007* Inspected by: *J. Blaschke*

NB/SB: *Villa Maria* EB/WB: *Wm. Joel Bryan*

Signal Type: Cantilever__*X*_____

Span Wire _____

Side- Mounted_____

Eligible for Progression: Yes__*X*_____ No_____

Miscellaneous Information:

Split Phase on Wm. Joel Bryan. Very Inefficient Operation. Needs Capacity Improvements.

	NB	SB	EB	WB
Lane Configuration	*LT, T, RT*	*LT, T, T*	*LT, T, T*	*LT, LT, T, T*
Left-Turn Length	*127 ft (+)*	*213 ft*	*133 ft (+)*	*130 ft (+)*
Right-Turn Length	*Unlimited*	*N/A*	*N/A*	*N/A*
Signals	*Yellow*	*Yellow*	*Yellow*	*Yellow*
Horizontal	*5-Sec, 3, 3*	*5-Sec, 3, 3*	*4-Sec, 3, 3*	*4-Sec, 3, 3*
Vertical	*3-Sec (w RT arrow)*	-	-	-
Lens	*Glass*	*Glass*	*Glass*	*Glass*
Markings				
Stop Line	*X*	*X*	*X*	*X*
Crosswalk				
Signs				
Left-turn Signal				
LT Yield on Green Ball				
Other	*Protected Left on Green Arrow*	*Protected Left on Green Arrow*	*Protected Left on Green Arrow*	*Protected Left on Green Arrow*
Other	*Right Lane Must Turn Right (463' from int.)*			*Lane Use*
Other				
Detection Type				
Loop				
Video	*X*	*X*	*X*	*X*
Other				
None				

	NE	NW	SE	SW
Pole	*16 ft.*	*16 ft.*	*16 ft.*	*16 ft.*
Color	*Galv.*	*Galv.*	*Galv.*	*Galv.*
Mast Arm				
Color	*Galv.*	*Galv.*	*Galv.*	*Galv.*
Ped Signals	*None*	*None*	*None*	*None*
Color				
Word/Symbol				
SNS		*None*	*None*	
Regular	***X***			***X***
Mast Arm				
Illumination				
Confirmation Lights	*No*	*No*	*No*	*No*
Priority Detector	*No*	*No*	*No*	*No*
Illumination	*No*	*Yes*	*Yes*	*No*
Mast arm		***X*** *(on wood pole)*	***X*** *(on wood pole)*	
Security				
Ramps				
None		***X***		
Handicapped (Old)	***X*** *(one side)*		***X*** *(one side)*	***X***
Ambulatory (Modern)				
Not Possible		*Inlets*		
Controller Location				***X***
Pole-Mounted				
Ground-Mounted				***X***

Needs:

Long Term:

1. *Improve Capacity on WB Approach*
2. *Add Right Turn Lane on NB Approach*
3. *Moderate Pedestrian Facilities Need Update, Including Ped Signals*
4. *Major signal Update, with Capacity Improvements*

Short Term:

1. *Need Left-Turn Yield on Green Ball Sign on NB & SB Approaches*
2. *Replace Right Lane Must turn Right Sign*
3. *Add Right Turn Arrows on Approach Next to Sign. Upgrade Existing*
4. *Remove Vertical Signal. Replace 3-section with Vertical 5-section.*
5. *Lengthen Left-Turn Lane (Striped) on WB Approach*

TIMING FORM

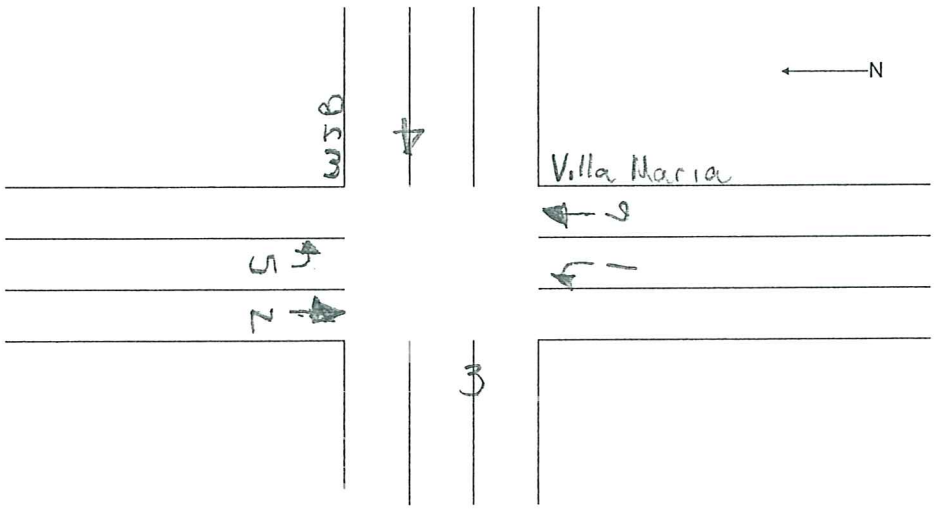
INT.	DESCRIPTION	1	2	3	4	5	6	7	8
O0	MIN INT.	5	5	5	5	5	5	5	5
O1	ADDED INIT.								
O2	INITL GAP.	1	3	1	1	1	3	1	1
O3	MIN GAP.	0	0	0	0	0	0	0	0
O4	TBGR								
O5	TTR								
O6	WALK	0	0	0	0	0	0	0	0
O7	PED	0	0	0	0	0	0	0	0
O8	MAX. 1	20	40	25	25	20	40	35	35
O9	MAX. 2	30	50	30	50	30	50	30	50
I0	YELLOW	4	4	4	4	4	4	4	4
I1	ALL RED	1	1	1	1	1	1	1	1
I2	RED REV.								
I3	COOR.								
I4	COOR.								
I5	RECALL	0	2	2	2	0	2	0	0

RECALL FUNCTIONS

0 = OMIT PHASE
1 = NON ACTUATED PHASE
2 = PRE RECALL PHASE
3 = LOCKING MEMORY ON PHASE
4 = NON LOCKING MEMORY
5 = VEHICLE RECALL ON PHASE
6 = MAXIMUM RECALL ON PHASE
7 = SOFT RECALL - LOCKING
8 = SOFT RECALL - NON - LOCKING

cycle	am	pm	off

NAME OF MAIN ST. Villa Maria

NAME OF CROSS ST. William J. Bryan

EAGLE EPAC 300