Utility Conflict Matrix

Project Owner: Sample DOT **Project No.**: 445-56-4789

Project Description: Widening of IH-10 from Loop 410 to Loop 1604

Highway or Route: IH-10

Utility Conflict Matrix Developed/Revised By: Tom Designer

Date: 3/28/2011

Reviewed By: Tom Designer

Note: refer to subsheet for utility conflict cost analysis. Date: 4/28/2011

Utility Owner and/or Contact Name	Conflict ID	Drawing or Sheet No.	Utility Type	Size and/or Material	Utility Conflict Description	Start Station	End Station	Start Offset	Utility Investigation Level Needed	Test Hole	Recommended Action or Resolution	Estimated Resolution Date	Resolution Status
AWS	C16	1	Water	30" ductile iron pipe	Proposed 18" drainage pipe would cross water main.	36+50			QLA		Review possibility of adjusting drainage pipe to avoid conflict.		Utility conflict created
CPS	C32	1	Electric	45' pole	Existing pole in proposed roadway.	34+55			QLC		Pole to relocated.		Utility conflict created
AWS	C43	1	Water	12" water pipe	Proposed sidewalk in conflict with 12" water main.	37+00			QLA	21	Highway/sidewalk re-design to avoid utility impact.		Utility conflict created
CPS	C54	1	Electric	45' pole	Existing pole in proposed curb line.	38+30			QLC		Pole to relocated.		Utility conflict created
CPS	C55	1	Electric	45' pole	Existing pole in area of grade cut.	38+50			QLC		Pole may need to be supported or replaced with taller pole.		Utility conflict created
CPS	C61	1	Electric	45' pole	Existing pole in proposed curb line.	40+00			QLC		Pole to relocated.		Utility conflict created
ATT	C28	1	Communications	45' pole	Existing pole in conflict with proposed drainage.	40+15			QLC		Pole to relocated.		Utility conflict created

Utility Conflict Resolution Alternatives Cost Estimate Analysis

Project Owner:	Sample DOT
Project No. :	445-56-4789
Project Description:	Widening of IH-10 from Loop 410 to Loop 1604
Highway or Route:	IH-10
Utility Conflict:	1
Utility Owner:	AT&T
Utility Type:	Telephone
Size and/or Material:	Fiber Optic
Project Phase:	60% Design

Cost Estimate Analysis Developed/Revised By	Tom Designer						
Date	1/15/2011						
Reviewed By	Tom Designer						
Date	4/15/2011						

Alternative Number	Alternative Description	Alternative Advantage	Alternative Disadvantage	Responsible Party	Engineering Cost (Utility)	Direct Cost (Utility)	Engineering Cost (DOT)	Direct Cost (DOT)	Total Cost	Feasibility	Decision
0	Relocation before	No design change required,	Cost to utility for	Utility							
U	construction.	no additional cost to DOT.	relocation.		\$ 10,375.00	\$ 63,875.00	\$ -	\$ -	\$ 74,250.00	Yes	Selected
	Protect in-place.	Utility can remain in place.	Access to utility for	Utility							
1			maintenance problematic.								
			·		\$ 7,875.00	\$ 32,375.00	\$ -	\$ -	\$ 40,250.00	No	Rejected
2	Change highway design.	Utility can remain in place.	High cost and project delay.	DOT							
2					\$ -	\$ -	\$ 95,375.00	\$ -	\$ 95,375.00	Yes	Rejected
	Exception to policy.	No cost to utility or DOT.	High risk of damage to	N/A							
3			utility and maintenance								
			problems.		\$ -	\$ -	\$ -	\$ -	\$ -	No	Rejected

Utility Conflict Matrix

Note: refer to subsheet for utility conflict cost analysis.

Project Owner: Sample DOT

Project No.: 445-56-4789

Project Description: Widening of IH-10 from Loop 410 to Loop 1604 Highway or Route: IH-10

Utility Conflict Matrix Developed/Revised By: Tom Designer

3/28/2011 Date:

Reviewed By: Tom Designer

4/28/2011 Date:

Utility Owner and/or Contact Name	Conflict ID	Drawing or Sheet No.	Utility Type	Size and/or Material	Utility Conflict Description	Start Station	End Station	Start Offset		Utility Investigation Level Needed	Test Hole	Recommended Action or Resolution	Estimated Resolution Date	Resolution Status
СР	52	U-10	Electric	Pole	Pole is in conflict with retaining wall.	280+50		80' LT		QLC		Review possibility of modifying retaining wall 281 to avoid conflict.		Utility conflict created
СР	53E	U-10	Electric	Pole	Pole is within the proposed right of way.	282+50		80' LT		QLC		Protect in-place.		Utility conflict created
СР	89	U-15	Electric	Line	Power line is within the proposed right of way.	348+00	349+00	75' LT	85' LT	QLC		Relocate utility line.		Utility conflict created
EPP	63E	U-11	Unknown	Vault	Vault is within the proposed right of way.	19+50		0		QLA	14	Protect in-place.		Utility conflict created