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

Note: refer to subsheet for utility conflict cost analysis.

Utility Conflict Matrix Developed/Revised By: Tom Designer
Date: 3/28/2011
Reviewed By: Tom Designer
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	End 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	17	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 construction.	No design change required, no additional cost to DOT.	Cost to utility for relocation.	Utility	$ 10,375.00	$ 63,875.00	$ -	$ -	$ 74,250.00	Yes	Selected
1	Protect in-place.	Utility can remain in place.	Access to utility for maintenance problematic.	Utility	$ 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	$ -	$ -	$ 95,375.00	$ -	$ 95,375.00	Yes	Rejected
3	Exception to policy.	No cost to utility or DOT.	High risk of damage to utility and maintenance problems.	N/A	$ -	$ -	$ -	$ -	$ -	No	Rejected

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

Note: refer to subsheet for utility conflict cost analysis.

Utility Conflict Matrix Developed/Revised By: Tom Designer
Date: 3/28/2011
Reviewed By: Tom Designer
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	End Offset	Utility Investigation Level Needed	Test Hole	Recommended Action or Resolution	Estimated Resolution Date	Resolution Status
CP	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
CP	53E	U-10	Electric	Pole	Pole is within the proposed right of way.	282+50		80' LT		QLC		Protect in-place.		Utility conflict created
CP	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