	FACTOR 1– DURATION OF SPECIFIC WORK ELEMENT (SEE NOTE 3)	POINTS POSSIBLE	POINTS
CHOOSE ONE CONDITION	LONG TERM STATIONARY WORK WITH DURATION GREATER THAN TEN MONTHS	10	
	LONG TERM STATIONARY WORK WITH DURATION OF THREE THROUGH TEN MONTHS	8	
	LONG TERM STATIONARY WORK WITH DURATION OF MORE THAN THREE DAYS TO LESS THAN THREE MONTHS, AND THE PROCUREMENT AND INSTALLATION OF POSITIVE PROTECTION DEVICES CAN BE COMPLETED PRIOR TO WORK STARTING	6	
	INTERMEDIATE TERM STATIONARY WORK, AND PROCUREMENT & INSTALLATION OF POSITIVE PROTECTION DEVICES CAN BE COMPLETED PRIOR TO WORK STARTING	3	
	SHORT TERM STATIONARY, SHORT DURATION, AND MOBILE WORK	0	
	FACTOR 2 – EXPOSURE (WORK CLEAR ZONE, SEE STD. DWG. TC 3A TABLE 1)		
CHOOSE ONE CONDITION	WORKERS ARE EXPECTED TO BE WITHIN WORK CLEAR ZONE	10	
	WORKERS ARE EXPECTED TO BE OUTSIDE OF THE WORK CLEAR ZONE, BUT WITHIN TWICE THE WORK CLEAR ZONE	6	
	WORKERS ARE EXPECTED TO BE OUTSIDE OF TWICE THE WORK CLEAR ZONE	3	
	WORKERS ARE EXPECTED TO BE OUTSIDE OF THE AASHTO CLEAR ZONE	0	
	FACTOR 3 – POSTED SPEED (PRIOR TO CONSTRUCTION)		
CHOOSE ONE CONDITION	POSTED SPEED IS 55 MPH OR GREATER	10	
	POSTED SPEED IS 40 MPH, 45 MPH, OR 50 MPH	6	
	POSTED SPEED IS 30 MPH OR 35 MPH	3	
	POSTED SPEED IS 25 MPH OR LESS	0	
	Factor 4 – Location of Work		
CHOOSE ONE CONDITION	BRIDGE STRUCTURES, DROP-OFFS 5 FEET OR GREATER, FILLS OR CUTS STEEPER THAN 2:1, OR CONFINED AREAS WITH NO ESCAPE ROUTE FOR WORKERS	10	
	AREAS WITH BARRIERS OR OTHER IMPEDIMENTS THAT HAVE A VIABLE ESCAPE ROUTE FOR WORKERS	6	
	AREAS WITH DROP-OFFS LESS THAN 5 FEET THAT HAVE A VIABLE ESCAPE ROUTE FOR WORKERS	3	
	OPEN AREA WITH MULTIPLE ESCAPE ROUTES FOR WORKERS	0	
		TOTAL POINTS	

UNDER EACH FACTOR CHOOSE WHICH CONDITION BEST DESCRIBES THE WORK ZONE. THE POINTS ACCUMULATED WILL DETERMINE WHAT ACTION NEEDS TO BE TAKEN.

RESULTS:

TOTAL IS 31 POINTS OR MORE - POSITIVE PROTECTION DEVICE(S) ARE REQUIRED IN ADDITION TO STANDARD TRAFFIC CONTROL AND ANY OTHER MITIGATION EFFORTS.

TOTAL IS FROM 20 THRU 30 POINTS - POSITIVE PROTECTION DEVICE(S) OR OTHER MITIGATION EFFORTS AND STANDARD TRAFFIC CONTROL ARE REQUIRED TO MITIGATE WORKER EXPOSURE. MITIGATION WILL INCLUDE, AT A MINIMUM, ONE OF THE FOLLOWING AT THE WORKER LOCATION:

1. PROVIDING POSITIVE PROTECTION DEVICE(S).
2. REDUCING TRAFFIC DEVICE SPACING TO A MAXIMUM OF ONE-HALF THE REQUIRED DEVICE SPACING.
3. PROVIDING A BUFFER SPACE AND/OR PROVIDING A TRUCK MOUNTED ATTENUATOR.

TOTAL IS LESS THAN 20 POINTS - USE OF STANDARD TRAFFIC CONTROL IS REQUIRED.

NOTES:

1. POSITIVE PROTECTION DEVICES ARE DEVICES THAT CONTAIN AND/OR REDIRECT VEHICLES AND MEET CRASH WORTHINESS CRITEREA.
2. POSITIVE PROTECTION DEVICES INCLUDE PORTABLE CONCRETE BARRIER, BALLAST FILLED BARRIERS, STEEL BARRIERS, MOVABLE BARRIERS, SHADOW VEHICLES WITH ATTENUATORS AND VEHICLE ARRESTING SYSTEMS.
3. WORK DURATION DEFINITIONS:
   A. LONG-TERM IS WORK THAT OCCUPIES A LOCATION MORE THAN THREE DAYS.
   B. INTERMEDIATE-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 DAYS, OR NIGHTTIME WORK LASTING MORE THAN ONE HOUR.
   C. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN ONE HOUR WITHIN A DAYLIGHT PERIOD.
   D. SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO ONE HOUR.
   E. MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

USE OF POSITIVE PROTECTION DEVICES FOR WORKERS IN WORK ZONES

REVISIONS

NO.	DATE	APPR.	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — JAN.01,2012 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED — JAN.01,2012 DATE
DEPUTY DIRECTOR

HAZARD MITIGATION AND POSITIVE PROTECTION DEVICES
STANDARD DRAWING TITLE

STD. DWG. NO.
TC 3B

16-DEC-2011 DGN File:L:\Standard_Drawings\Imperial\2012Approved\Traffic Control TC\TC03B.dgn