

CONSTRUCTABILITY REVIEW PROCESS

PRE- CONSTRUCTION

SCOPING CONSTRUCTABILITY REVIEW

THE PROJECT MANAGER DISTRIBUTES THE SCOPE WORKSHEETS TO THE PROJECT TEAM MEMBERS FOR THEIR INPUT ON ISSUES THAT MIGHT AFFECT THE SCOPE OF THE PROJECT. WHEN THE WORKSHEETS ARE COMPLETED AND RETURNED TO THE PROJECT MANAGER, THE INFORMATION IS ASSEMBLED FOR SCOPE DEVELOPMENT.

SCOPING REVIEW ITEMS

- ◆ **R/W MAPS**
- ◆ **TRAFFIC COUNTS**
- ◆ **ACCIDENT HISTORY**
- ◆ **SOIL BARINGS**
- ◆ **BRIDGE CONES**
- ◆ **PAVEMENT CONES**
- ◆ **PAVEMENT MANAGEMENT SYSTEM**
- ◆ **BRIDGE MANAGEMENT SYSTEM**
- ◆ **OLD CONSTRUCTION PLANS**
- ◆ **AS BUILT PLANS**
- ◆ **BRIDGE INSPECTION REPORT**
- ◆ **EXISTING GEOTECHNICAL INFORMATION**
- ◆ **SUFFICIENCY RATING**

THE PROJECT'S PURPOSE AND NEED STATEMENT MUST BE CLEAR AND DEFINITIVE TO DEVELOP A SCOPE THAT IS COMPATIBLE WITH PRACTICAL DESIGN.

IT SHOULD BALANCE SAFETY, ECONOMICS, MOBILITY, ENVIRONMENTAL, AND COMMUNITY.

THE PURPOSE OF THE PROJECT SCOPING WORKSHEETS IS TO PROVIDE FUNCTIONAL GROUPS WITH A TOOL TO INVESTIGATE AND RECORD POTENTIAL ITEMS THAT COULD BE INCLUDED IN THE SCOPE OF THE PROJECT.

DISTRIBUTION OF SCOPING WORKSHEETS

SCOPING WORKSHEETS ARE TO BE COMPLETED BY FUNCTIONAL GROUPS RESPONSIBLE FOR EACH AREA. BELOW IS A RECOMMENDATION FOR DISTRIBUTION OF EACH OF THE ATTACHED SCOPING WORKSHEETS.

WORKSHEET	TITLE	NAME	DATE COMPLETED
<u>PROJECT MANAGER SCOPING WORKSHEET</u>	PROJECT MANAGER		
<u>BUSINESS IMPACT ASSESSMENT SCOPING WORKSHEET</u>	PROJECT MANAGER		
<u>PLANNING SECTION SCOPING WORKSHEET</u>	PLANNING DIRECTOR		
<u>REAL ESTATE SCOPING WORKSHEET</u>	REAL ESTATE PM		
<u>SURVEYS SCOPING WORKSHEET</u>	PRINCIPAL SURVEYOR		
<u>ENVIRONMENTAL DOCUMENTATION SCOPING WORKSHEET</u>	ENVIRONMENTAL DIRECTOR		
<u>BRIDGE SCOPING WORKSHEET</u>	BRIDGE ENGINEER		
<u>CONSTRUCTION SCOPING WORKSHEET</u>	DISTRICT AREA ENGINEER		
<u>DESIGN SCOPING WORKSHEET</u>	DESIGN ENGINEER		
<u>HYDRAULICS SCOPING WORKSHEET</u>	HYDRAULIC ENGINEER		
<u>MAINTENANCE SCOPING WORKSHEET</u>	AREA MAINTENANCE ENGINEER		
<u>PAVING SCOPING WORKSHEET</u>	PAVING ENGINEER		
<u>TRAFFIC SCOPING WORKSHEET</u>	DISTRICT TRAFFIC ENGINEER		

IN GENERAL, THE SCOPING WORKSHEETS SHOULD BE SENT TO THE PERSON THAT OVERSEES EACH FUNCTIONAL AREA (PRINCIPAL ENGINEER OR ABOVE). IN MANY DISTRICTS, MULTIPLE WORKSHEETS MAY BE SENT TO ONE PERSON, SINCE THEY MAY OVERSEE MORE THAN ONE FUNCTIONAL AREA. DISTRICT SHOULD COMPLETE THE ABOVE TABLE WITH THE NAME OF THE PERSON THAT WILL RECEIVE EACH WORKSHEET SO THAT IT IS DONE CONSISTENTLY ACROSS THE DISTRICT. THE PERSON THAT COMPLETES EACH WORKSHEET SHOULD FILL IN THE "DATE COMPLETED" BOX WHEN IT IS FINISHED.

MOST ITEMS HAVE CHECK BOXES ASSOCIATED WITH THEM IN THE WORKSHEETS. BELOW IS GUIDANCE TO AID IN DETERMINING HOW TO COMPLETE THE CHECKBOXES.

"YES"- THERE IS A KNOWN ISSUE THAT NEEDS TO BE ADDRESSED

"NO"- AS THE PROJECT CURRENTLY STANDS, THE ITEM IS NOT AN ISSUE

"NOT NEEDED"- THE TASK IS NOT NEEDED

"MAYBE"- THE POTENTIAL FOR AN ISSUE EXISTS, BUT MORE INFORMATION IS NEEDED TO DETERMINE SPECIFICS

"NEED"- THE ITEM IS REQUIRED BECAUSE IT CURRENTLY DOES NOT MEET STANDARDS, IS REQUIRED BY LAW, MUST BE INCLUDED TO ACCOMPLISH PURPOSE OF THE PROJECT, ETC...

"WANT"- THE ITEM IS NOT REQUIRED, BUT IT WOULD BE IDEAL TO ADDRESS AS PART OF THE PROJECT

"NOT"- THE ITEM IS NOT APPLICABLE TO THIS PROJECT

THE LIST OF ITEMS IN THE WORKSHEETS IS NOT AN EXHAUSTIVE LIST, BUT MERELY GUIDANCE TO HELP FUNCTIONAL GROUPS SCOPE INDIVIDUAL PROJECTS. DISTRICTS SHOULD FEEL FREE TO MAKE CHANGES TO THE SCOPING WORKSHEETS AS THEY SEE FIT.

PROJECT MANAGER SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

PROJECT MANAGERS SHOULD UTILIZE THE PRINCIPLES OF PRACTICAL DESIGN SOLUTIONS (OPEN ROADS) BY INCLUDING A FULL RANGE OF STAKEHOLDERS WITH TRANSPORTATION OFFICIALS IN THE SCOPING PHASE IN ORDER TO CLEARLY DEFINE THE PROJECT PURPOSE AND DEVELOP CONSENSUS ON THE SCOPE BEFORE PROCEEDING. THUS, POTENTIAL STAKEHOLDERS SHOULD BE CONTACTED FOR INPUT INTO THE SCOPE OF THE PROJECT.

ITEM	YES	NOT NEEDED	IF YES, DESCRIBE (OR SEE BELOW)
COORDINATION ON PRACTICAL DESIGN SOLUTIONS WITH OPEN ROADS	<input type="checkbox"/>	<input type="checkbox"/>	
PUBLIC INFORMATION PLAN	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH CITY, COUNTY, TOWNSHIPS	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH OTHER EXTERNAL AND LIKELY STAKEHOLDER GROUPS	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH FHWA	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH PERMITTING AGENCIES	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH UTILITIES	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH RAILWAY OFFICE	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH AERONAUTICS OFFICE	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH CO ROAD DESIGN OFFICE	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH REAL ESTATE OFFICE	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION WITH BRIDGE OFFICE	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION ON BUSINESS IMPACTS (SEE SCOPING WORKSHEET)	<input type="checkbox"/>	<input type="checkbox"/>	

COMMENTS AND RISK IDENTIFICATION:

BUSINESS IMPACT ASSESSMENT SCOPING WORKSHEET

TO 'CHECK' IN THE CHECK BOXES, DOUBLE CLICK AND CLICK ON 'CHECKED' IN THE DEFAULT VALUE BOX

	YES	NO	MAYBE	IF YES, DESCRIBE (OR SEE BELOW)
ARE BUSINESS IMPACTS ANTICIPATED?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IS BUSINESS IMPACTS MITIGATION REQUIRED?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
POTENTIAL BUSINESS IMPACTS				DURATION OF IMPACT (# DAYS)/COMMENTS
ACCESS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PARKING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VISIBILITY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
INCREASED CONGESTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LANE OR STREET CLOSURES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DETOUR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RIGHT-OF-WAY ACQUISITION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOISE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DUST OR VIBRATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SIDEWALKS/TRAILS/ADA FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IF CHECKED "YES" OR "MAYBE", THEN DESCRIBE, IDENTIFY ANY RISKS, AND DOCUMENT RECOMMENDED SCOPE ITEMS:

PLANNING SECTION SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

ITEM	YES	NO	IF YES, DESCRIBE (OR SEE BELOW)
CITY ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
COUNTY ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
TURN BACK ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
ACCESS ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
BUSINESS ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
DEVELOPER ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
TRANSIT ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
FREIGHT ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
LOAD RESTRICTIONS ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
RAILROADS ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
AIRPORTS ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
BIKE ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
PEDESTRIAN AND ADA ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
UTILITY ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	
LAND OWNER ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	

COMMENTS AND RISK IDENTIFICATION:

REAL ESTATE LAND ACQUISITION SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

EXISTING R/W WIDTH	
POTENTIAL PARCELS	
POTENTIAL BUSINESS IMPACTS	
POTENTIAL RELOCATIONS	
ACCESS ISSUES	<input type="checkbox"/> Yes <input type="checkbox"/> No
PLATS NEEDED	<input type="checkbox"/> Yes <input type="checkbox"/> No
R/W BUDGET	
ESTIMATED R/W CLEAR DATE	

COMMENTS AND RISK IDENTIFICATION:

UTILITIES SECTION SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

UTILITIES COST ESTIMATE AND SCHEDULE

LIST EACH ACTIVITY REQUIRED WITH THE ANTICIPATED DURATION TO ACCOMPLISH THE NECESSARY WORK FOR THIS PROJECT, AND PROVIDE ESTIMATED COSTS.

THE PROJECT MANAGER WILL BUILD THE PRELIMINARY SCHEDULE AND ESTIMATE USING THIS INFORMATION.

<u>ACTIVITY DESCRIPTION</u>	<u>ESTIMATED DURATION</u>	<u>ESTIMATED COST</u>
PRELIMINARY ENGINEERING (PRIOR TO R/W & UT NTP)		\$
UTILITY RELOCATION (ENGINEERING AND CONSTRUCTION)		\$
UTILITY STAFF/INSPECTION		\$
TOTAL ESTIMATED COST		\$

TECHNICAL INFORMATION

SERVICES PROVIDED BY

CENTRAL OFFICE
 DISTRICT
 CONSULTANT

ISSUES AFFECTING THE SCOPE OF THE PROJECT

ITEM	DESCRIPTION
<input type="checkbox"/> CATV	
<input type="checkbox"/> COMMUNICATIONS	
<input type="checkbox"/> ELECTRIC	
<input type="checkbox"/> ELECTRIC – TRANSMISSION	
<input type="checkbox"/> FIBER OPTICS	
<input type="checkbox"/> GAS	
<input type="checkbox"/> SEWER	
<input type="checkbox"/> TELEPHONE (LAND)	
<input type="checkbox"/> TELEPHONE (CELL)	
<input type="checkbox"/> WATER	
<input type="checkbox"/> OTHER	

OTHER POTENTIAL ISSUES TO CONSIDER
(* - IF UNCHECKED INDICATES INFORMATION IS NOT AVAILABLE TO DETERMINE AT THIS TIME)

- COORDINATE WITH UTILITY FOR ANY PROJECT SPECIFIC INFORMATION: _____
- CONSIDER CANDIDACY FOR SUBSURFACE UTILITY ENGINEERING (SUE): _____
- CONSIDER NECESSARY ENVIRONMENTAL CLEARANCES BEYOND ORIGINAL SURVEY SCOPE FOR RELOCATING UTILITIES: _____
- CONSIDER NECESSARY STAGING WITH OTHER UTILITIES: _____
- * CONSIDER PLANNED/FUTURE UTILITY WORK WITHIN THE PROJECT LIMITS: _____
- CONSIDER POTENTIAL CONFLICTS AT BRIDGES, RETAINING WALLS, PILE DRIVING, CRANE OPERATIONS, ETC. _____
- CONSIDER RELOCATION OF CERTAIN UTILITIES BY THE ROADWAY CONTRACTOR: _____
- CONSIDER ROADWAY AND BRIDGE DESIGN ALTERNATIVES TO MINIMIZE OR AVOID UTILITY CONFLICTS: _____
- CONSIDER SEASONAL RESTRICTIONS THE UTILITY MAY HAVE FOR RELOCATING FACILITIES: _____
- CONSIDER THE IMPACT OF ABRUPT CHANGES IN RIGHT OF WAY: _____
- CONSIDER THE NEED FOR A SPECIFIC CORRIDOR TO ACCOMMODATE UTILITIES: _____
- CONSIDER UTILITIES ATTACHED TO BRIDGES: _____
- * EVALUATE NEED TO RELOCATE FACILITIES AFTER SOME OF THE ROADWAY CONTRACTOR'S WORK: _____
- * EVALUATE SOIL CONDITIONS (I.E. UNDERCUTS NECESSARY): _____
- EVALUATE WHETHER OR NOT UTILITY CAN/WILL USE COMMON TRENCH/DUCTBANK WITH OTHER UTILITIES: _____
- * IDENTIFY POTENTIAL EASEMENTS UTILITY MAY REQUEST INDOT TO ACQUIRE: _____
- * IDENTIFY POTENTIAL "NATURAL" CONFLICTS SUCH AS HAZARDOUS WASTE SITES, UNDERGROUND STORAGE TANKS, CISTERNS, WELLS, WETLANDS, STRUCTURES AND PONDS: _____
- * IDENTIFY THE PROJECT'S UTILITY AFFECTED PARCELS: _____
- * INVESTIGATE SERVICE CONNECTIONS TO INDOT SIGNALS, REST AREA, ETC.: _____
- PERFORM FIELD CHECK: _____
- * PRIORITIZATION OF PARCEL ACQUISITION SUGGESTED TO REAL ESTATE: _____
- * REVIEW PRELIMINARY CROSS SECTIONS IF AVAILABLE TO DETERMINE IMPACTS ON UTILITIES: _____
- SPECIALTY PERMITS, RAILROAD, WETLANDS NEEDED: _____

COMMENTS AND RISK IDENTIFICATION:

SURVEYS SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON EXISTING CONDITIONS FOR SURVEYS AND R/W TO DETERMINE WHAT WILL BE NEEDED TO DELIVER THE PROJECT. MAPS WOULD BE USEFUL.

ITEM	YES	NO	IF YES, DESCRIBE (OR SEE BELOW)
EXISTING PHOTOS	<input type="checkbox"/>	<input type="checkbox"/>	
EXISTING MAPPING	<input type="checkbox"/>	<input type="checkbox"/>	
EXISTING SURVEYS	<input type="checkbox"/>	<input type="checkbox"/>	
AS-BUILTS AVAILABLE	<input type="checkbox"/>	<input type="checkbox"/>	
USE CONSULTANT	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

COMMENTS AND RISK IDENTIFICATION:

ENVIRONMENTAL DOCUMENTATION SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON POTENTIAL SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACTS ASSOCIATED WITH THE PROJECT. MAPS ARE VERY USEFUL.

ITEM	YES	NO	MAYBE	IF YES, DESCRIBE (OR SEE BELOW)
TRAILS, PARKS OR OTHER RECREATION AREAS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WILDLIFE/WATERFOWL REFUGES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
HISTORIC SITES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EXTENSIVE CULTURAL/HISTORICAL WORK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BICYCLE ACCOMMODATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PEDESTRIAN & ADA ACCOMMODATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOISE CONCERNS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WETLANDS PRESENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PUBLIC WATERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FLOODPLAIN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SENSITIVE EROSION AREAS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
KNOWN T&E SPECIES-STATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
KNOWN T&E SPECIES-FEDERAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CONTAMINATED SITE POTENTIAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FARMLAND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CONSERVATION EASEMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NAVIGABLE WATER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AIR QUALITY MAINTENANCE AREA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VEGETATION & LANDSCAPE CONCERNS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VISUAL QUALITY CONCERNS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IF CHECKED "YES" OR "MAYBE", THEN DESCRIBE (TYPE OF DOCUMENT, PERMITS, REVIEWS, ETC) ALSO IDENTIFY ANY RISKS:

DES #:

PROJECT MANAGER:

DATE:

BRIDGE SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

ITEM	ITEM NEEDED			STRUC. #	RP	NOTES (QUANTITY/COST ESTIMATE AND OTHER COMMENTS)
	NEED	WANT	NOT			
REPLACE BRIDGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Span Bridge <input type="checkbox"/> Box <input type="checkbox"/> Unique Structure
REPLACE BRIDGE DECK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
BRIDGE WIDENING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
BRIDGE RAILING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
BARRIERS FOR SIDEWALK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
CORROSION PROTECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
STRUCTURAL REPAIRS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
REPLACE EXP. JOINTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
APPROACH PANELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
BRIDGE SLOPE PROTECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
ANTI-ICING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
EROSION/SCOUR PROTECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
EXISTING BRIDGE CLEARANCES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
OVER WATER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
PAINTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
UTILITY ACCOMMODATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
ABUTMENTS <input type="checkbox"/> MSE <input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
REMOVALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

RETURN FORM TO PROJECT MANAGER BY:
PROJECT ID:

06/24/14

CONSTRUCTION SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

ITEM	ITEM NEEDED			NOTES (OR SEE BELOW) (QUANTITY/COST ESTIMATE AND OTHER COMMENTS)
	NEED	WANT	NOT	
DETOUR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TEMPORARY CONSTRUCTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
STAGING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
INNOVATIVE CONTRACTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LETTING DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

COMMENTS AND RISK IDENTIFICATION:

DES #:

PROJECT MANAGER:

DATE:

DESIGN SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

ITEM	ITEM NEEDED			NOTES (OR SEE BELOW) (LOCATION, QUANTITY/COST ESTIMATE AND OTHER COMMENTS)
	NEED	WANT	NOT	
DESIGN EXCEPTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CSS DESIGN FLEXIBILITY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
HOR. CURVE CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VERT. CURVE CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CROWN CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SUPER CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SIDE SLOPE CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SHLDR SLOPE CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FLATTEN ENTRANCE SLOPES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SIGHT-LINE OBSTR. CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GUARDRAIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CURB & GUTTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PED. RAMPS/ACCOMMODATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RETAINING WALLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MUNICIPAL AGREEMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RR AGREEMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
UTILITIES RELOCATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

COMMENTS AND RISK IDENTIFICATION:

RETURN FORM TO PROJECT MANAGER BY:
PROJECT ID:

06/24/14

DES #:

PROJECT MANAGER:

DATE:

HYDRAULICS SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

ITEM	ITEM NEEDED			STRUC. # IF ANY	RP	NOTES (OR SEE BELOW) (QUANTITY/COST ESTIMATE AND OTHER COMMENTS)
	NEED	WANT	NOT			
MAINLINE CULVERTS <input type="checkbox"/> REPAIR <input type="checkbox"/> LINE <input type="checkbox"/> REPLACE <input type="checkbox"/> EXTEND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
SIDELINE CULVERTS <input type="checkbox"/> REPLACE <input type="checkbox"/> EXTEND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
TILE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
STORM SEWER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
EROSION REPAIRS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
WATERWAY ANALYSIS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
RISK ASSESSMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
SPECIAL STRUCTURES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
WEIRS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
VORTEX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
PONDS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

COMMENTS AND RISK IDENTIFICATION:

RETURN FORM TO PROJECT MANAGER BY:
PROJECT ID:

06/24/14

DES #:

PROJECT MANAGER:

DATE:

MAINTENANCE SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

ITEM	ITEM NEEDED			NOTES (OR SEE BELOW) (LOCATION, QUANTITY/COST ESTIMATE AND OTHER COMMENTS)
	NEED	WANT	NOT	
STRIPING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SIGNING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LIGHTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CURB & GUTTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LOW GRAVEL SHOULDER CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GUARDRAIL REPAIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FENCING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOISEWALL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DRAINAGE REPAIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EROSION AREA CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FLOODING AREA CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SNOW TRAP, STORAGE, ICING CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ANTI-ICING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FROST HEAVE CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
REST AREA WORK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LANDSCAPING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MILLINGS NEEDED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER SALVAGE ITEMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

COMMENTS AND RISK IDENTIFICATION:

RETURN FORM TO PROJECT MANAGER BY:
PROJECT ID:

06/24/14

DES #:

PROJECT MANAGER:

DATE:

TRAFFIC SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

ITEM	ITEM NEEDED			NOTES (OR SEE BELOW) (LOCATION, QUANTITY/COST ESTIMATE AND OTHER COMMENTS)
	NEED	WANT	NOT	
HORIZONTAL CURVE CORRECT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VERTICAL CURVE CORRECT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SUPER CORRECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RUMBLE STRIPS – SHOULDER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RUMBLE STRIPS – CENTERLINE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GUARD RAIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
STRIPING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MEDIAN BARRIER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SIGNING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LIGHTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TURN LANES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
INTERSECTION REVISION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TRAFFIC SIGNALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RR CROSSING WORK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PATH/TRAIL CROSSING WORK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ACCESS CHANGES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SIGNIFICANT PROJECT UNDER FHWA FINAL RULE FOR SAFETY AND MOBILITY IN WORK ZONES?	<input type="checkbox"/> YES <input type="checkbox"/> NO			
PROPOSED TRAFFIC CONTROL				
ROAD SAFETY REVIEW	ANY SPECIAL CONCERNS:			

COMMENTS AND RISK IDENTIFICATION:

RETURN FORM TO PROJECT MANAGER BY:
PROJECT ID:

06/24/14

DES #:

PROJECT MANAGER:

DATE:

PAVING SCOPING WORKSHEET

THE PURPOSE OF THIS FORM IS TO RECORD NOTES ON ISSUES THAT MAY AFFECT THE SCOPE OF THE PROJECT.

HAVE BORINGS BEEN DONE? YES NO

PROPOSED FIX		ALTERNATE FIXES					
					1.		
					2.		
ITEM		ITEM NEEDED			APPROX. RP		NOTES (OR SEE BELOW) (QUANTITY/COST ESTIMATE AND OTHER COMMENTS)
		NEED	WANT	NOT	FROM	TO	
BITUMINOUS	PAVING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			(INCLUDE LANE WIDTH)
	RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	PAVEMENT MILLING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	MILLINGS RE-USE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
CONCRETE	PAVING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			(INCLUDE LANE WIDTH)
	JOINT REPAIRS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	DOWEL BARS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	PLANNING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	MAJOR CPR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	MINOR CPR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
SUB-SURFACE	BASE REPAIRS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	MUCK, GROUNDWATER, ROCK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
SHL- DER	SHOULDER WORK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			(INCLUDE LANE WIDTH)
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
EDGE DRAINS	EDGE DRAIN VIDEO INSP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	EDGE DRAIN FLUSHING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	NEW EDGE DRAINS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

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