

**SISTER STUDY JOB MODULE: ROAD CONSTRUCTION**

I am going to ask about some specific tasks that you may have done while working in road construction. In answering these questions, please think about your overall experience in all the road construction jobs you have had.

- RC1. While working in road construction, did you ever personally do rock drilling? YES..... [GO TO RC3]..... 1  
 NO ..... 2  
 REF ..... 7  
 DK ..... 8
- RC2. Did you ever have a (road construction) job where you worked within 30 feet of someone who was drilling rock? YES..... 1  
 NO ..... [GO TO RC6] ..... 2  
 REF ..... [GO TO RC6] ..... 7  
 DK ..... [GO TO RC6] ..... 8
- RC3. How many years in total did you work in a job where you did this (*personally did rock drilling/worked within 30 feet of rock drilling*)?   #YEARS
- RC4. How many months and/or weeks per year on average did you do this (*personally did rock drilling/worked within 30 feet of rock drilling*)?   MONTHS/YR   WEEKS/YR
- RC5. On average, how many hours per week did you do this (*personally did rock drilling/worked within 30 feet of rock drilling*)?    # HOURS PER WEEK
- RC6. While working in road construction, did you ever use explosives to blast away rock? YES..... [GO TO RC8]..... 1  
 NO ..... 2  
 REF ..... 7  
 DK ..... 8
- RC7. Did you ever work on a (road construction) site when someone was using explosives to blast away rock in your presence? YES..... 1  
 NO ..... [GO TO RC11] ..... 2  
 REF ..... [GO TO RC11] ..... 7  
 DK ..... [GO TO RC11] ..... 8
- RC8. How many years in total did you work in a job where you did this (*use explosives/work on site when explosives were used*)?   #YEARS
- RC9. How many months and/or weeks per year on average did you do this (*use explosives/work on site when explosives were used*)?   MONTHS/YR   WEEKS/YR

RC10. On average, how many times per week did blasting take place?

□ □ □

# HOURS PER WEEK

RC11. While working in road construction, did you ever drive a grader, bulldozer, backhoe, or other heavy equipment used to move earth, rock, or roadway?

- YES..... [GO TO RC13]..... 1
- NO ..... 2
- REF ..... 7
- DK ..... 8

RC12. Did you ever have a (road construction) job where you worked within 30 feet of someone who was operating a grader, bulldozer, backhoe, or other heavy equipment used to move earth?

- YES..... 1
- NO ..... [GO TO RC17]..... 2
- REF ..... [GO TO RC17]..... 7
- DK ..... [GO TO RC17]..... 8

RC13. How many years in total did you work in a job where you did this (*drive earth moving equipment/work within 30 feet of someone operating earth moving equipment*)?

□ □

#YEARS

RC14. How many months and/or weeks per year on average did you do this (*drive earth moving equipment/work within 30 feet of someone operating earth moving equipment*)?

□ □

MONTHS/YR

□ □

WEEKS/YR

RC15. On average, how many hours per week did you do this (*drive earth moving equipment/work within 30 feet of someone operating earth moving equipment*)?

□ □ □

# HOURS PER WEEK

RC16. About how often was the equipment powered by diesel fuel? Would you say...

- rarely or never..... 1
- sometimes ..... 2
- half the time ..... 3
- most of the time ..... 4
- always ..... 5

RC17. Did you ever operate a crane for a road, bridge, or tunnel construction job?

- YES..... [GO TO RC19]..... 1
- NO ..... 2
- REF ..... 7
- DK ..... 8

RC18. Did you ever have a (road construction) job where you worked within 30 feet of someone who was operating a crane?

- YES..... 1
- NO ..... [GO TO RC23]..... 2
- REF ..... [GO TO RC23]..... 7
- DK ..... [GO TO RC23]..... 8

RC19. How many years in total did you work in a job where you did this (*operate a crane/work within 30 feet of someone operating a crane*)?

□ □

#YEARS

RC20. How many months and/or weeks per year on average did you do this ([*operate a crane/work within 30 feet of someone operating a crane*])?

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MONTHS/YR		WEEKS/YR	

RC21. On average, how many hours per week did you do this ([*operate a crane/work within 30 feet of someone operating a crane*])??

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
# HOURS PER WEEK			

RC22. About how often was the equipment powered by diesel fuel? Would you say...

- rarely or never..... 1
- sometimes..... 2
- half the time..... 3
- most of the time..... 4
- always..... 5

RC23. While working in road construction, did you ever load, pick up, or deliver rock, sand, or concrete?

- YES..... [GO TO RC25]..... 1
- NO..... 2
- REF..... 7
- DK..... 8

RC24. Did you ever have a (road construction) job where you worked within 30 feet of workers who were loading, picking up, or delivering rock, sand, or concrete?

- YES..... 1
- NO..... [GO TO RC28]..... 2
- REF..... [GO TO RC28]..... 7
- DK..... [GO TO RC28]..... 8

RC25. How many years in total did you work in a job where you did this ([*load, pick up, or deliver rock, sand, or concrete/work within 30 feet of workers who were loading, picking up, or delivering rock, sand, or concrete*])?

<input type="text"/>	<input type="text"/>
#YEARS	

RC26. How many months and/or weeks per year on average did you do this this ([*load, pick up, or deliver rock, sand, or concrete/work within 30 feet of workers who were loading, picking up, or delivering rock, sand, or concrete*])?

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MONTHS/YR		WEEKS/YR	

RC27. On average, how many hours per week did you do this ([*load, pick up, or deliver rock, sand, or concrete/work within 30 feet of workers who were loading, picking up, or delivering rock, sand, or concrete*])?

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
# HOURS PER WEEK			

RC28. Did you ever personally mix concrete for road, bridge, or tunnel construction jobs?

- YES..... 1
- NO..... [GO TO RC35]..... 2
- REF..... [GO TO RC35]..... 7
- DK..... [GO TO RC35]..... 8

RC29. How many years in total did you work in a job where you did this (mix concrete for road, bridge, or tunnel construction)?

#YEARS

RC30. How many months and/or weeks per year on average did you do this (mix concrete for road, bridge, or tunnel construction)

MONTHS/YR       WEEKS/YR

RC31. On average, how many hours per week did you do this (mix concrete for road, bridge, or tunnel construction)?

# HOURS PER WEEK

RC32. Did you usually mix the concrete in a concrete mixer?

YES..... 1  
NO ..... [GO TO RC35]..... 2  
REF ..... [GO TO RC35]..... 7  
DK ..... [GO TO RC35]..... 8

RC33. Was the mixer powered by gasoline, or by diesel fuel?

GASOLINE ..... 1  
DIESEL ..... 2

RC34. Did you usually feed the mixer yourself?

YES..... 1  
NO ..... 2  
REF ..... 7  
DK ..... 8

RC35. Did you ever personally pour or spray concrete for road, bridge, or tunnel construction jobs?

YES..... 1  
NO ..... [GO TO RC39]..... 2  
REF ..... [GO TO RC39]..... 7  
DK ..... [GO TO RC39]..... 8

RC36. How many years in total did you work in a job where you did this (pour or spray concrete)?

#YEARS

RC37. How many months and/or weeks per year on average did you do this (pour or spray concrete)?

MONTHS/YR       WEEKS/YR

RC38. On average, how many hours per week did you do this (pour or spray concrete)?

# HOURS PER WEEK

<ASK RC39 – RC42 ONLY IF RC28 = NO AND RC35 = NO>

RC39. Did you ever work on a road, bridge, or tunnel construction job site where concrete was being mixed, poured or sprayed?

YES..... 1  
NO ..... [GO TO RC43]..... 2  
REF ..... [GO TO RC43]..... 7  
DK ..... [GO TO RC43]..... 8

RC40. How many years in total did you work on a job site where concrete was being mixed, poured or sprayed?

#YEARS

RC41. How many months and/or weeks per year on average did you work on a job site where concrete was being mixed, poured or sprayed?

MONTHS/YR       WEEKS/YR

RC42. On average, how many hours per week did you work on a job site where concrete was being mixed, poured or sprayed?

# HOURS PER WEEK

RC43. While working in road construction, did you ever personally grind or break up concrete?

YES..... [GO TO RC45]..... 1  
NO ..... 2  
REF ..... 7  
DK ..... 8

RC44. Did you ever work within 30 feet of workers who were grinding or breaking up concrete?

YES..... 1  
NO ..... [GO TO RC50]..... 2  
REF ..... [GO TO RC50]..... 7  
DK ..... [GO TO RC50]..... 8

RC45. How many years in total did you work in a job where you did this (*grind or break up concrete/work within 30 feet of workers who were grinding or breaking up concrete*)?

#YEARS

RC46. How many months and/or weeks per year on average did you do this (*grind or break up concrete/work within 30 feet of workers who were grinding or breaking up concrete*)?

MONTHS/YR       WEEKS/YR

RC47. On average, how many hours per week did you do this (*grind or break up concrete/work within 30 feet of workers who were grinding or breaking up concrete*)?

# HOURS PER WEEK

**<ASK RC48 – RC49 ONLY IF RC43 = YES OR RC44 = YES>**

RC48. On average, how many hours per week did you use tools or equipment powered by diesel to break up concrete?

# HOURS PER WEEK

RC49. On average, how many hours per week did you use tools or equipment powered by gasoline to break up concrete?

# HOURS PER WEEK

RC50. While working in road construction, did you ever pave or help pave roadways with asphalt?

YES..... [GO TO RC52]..... 1  
NO ..... 2  
REF ..... 7  
DK ..... 8

RC51. Did you ever work on site when roadways were being paved with asphalt?

YES..... 1  
NO ..... [GO TO RC55]..... 2  
REF ..... [GO TO RC55]..... 7  
DK ..... [GO TO RC55]..... 8

RC52. How many years in total did you work in a job where you did this (*[pave roads with asphalt/work on site when roadways were paved with asphalt]*)?

#YEARS

RC53. How many months and/or weeks per year on average did you do this (*[pave roads with asphalt/work on site when roadways were paved with asphalt]*)?

MONTHS/YR       WEEKS/YR

RC54. On average, how many hours per week did you do this (*[pave roads with asphalt/work on site when roadways were paved with asphalt]*)?

# HOURS PER WEEK

RC55. While working in road construction, did you ever do roadwork inside tunnels?

YES..... 1  
NO ..... [GO TO \*]..... 2  
REF ..... [GO TO \*]..... 7  
DK ..... [GO TO \*]..... 8

RC56. How many years in total did you work in a job where you did this (work inside tunnels)?

#YEARS

RC57. How many months and/or weeks per year on average did you do this (work inside tunnels)?

MONTHS/YR       WEEKS/YR

RC58. On average, how many hours per week did you do this (work inside tunnels)?

# HOURS PER WEEK

RC59. Did you drive or operate equipment that was powered by diesel while you were in the tunnel?

YES..... 1  
NO ..... 2  
REF ..... 7  
DK ..... 8

RC60. Did you drive or operate equipment that was powered  
by gasoline while you were in the tunnel?

YES..... 1  
NO ..... 2  
REF..... 7  
DK ..... 8

\* Thank you for answering these questions about your work doing road construction. Now I will ask questions about some other industries.

**<RETURN TO OC>**