

**ODOT Assessing Arrow Panel Displays for Highway
Construction and Maintenance Projects
Ci3 Instrument**

CATI ON

SQL right
REVIEW CtrlR

Q:SURVNUM
T:

Survey Number

INTERVIEWER LOOK FOR NUMBER IN TOP RIGHT CORNER

I:
num 1 999 3 0 20 10
if (ans > 300) reask
QAL NOQAL
IF (ANS > 300) SKIPTO NOQAL

Q:INTID
T:

Interviewer Number

INTERVIEWER: PLEASE KEY IN YOUR INTERVIEWER ID NUMBER

I:
num 1 999 3 0 5 3
if (ans > 999) reask

Q:TIME
T:

Time of survey

PLEASE CONVERT THE TIME TO MILITARY TIME
PLEASE TYPE EXACT TIME WITH NO DECIMAL

NOTE: 130PM = 1330

I:
num 1 9999 4 0 14 10
if (ans > 2500) reask

Q:LOCATION
T:

Location of survey

NOTE: IF NO ANSWER IS MARKED, SEE TIME TO DETERMINE SITE
AFTER 4:30 (1630), ANSWER NORTH SIDE

- 1 SOUTH
- 2 NORTH

I:
key 1,2
cmdi RecNum "RecordNumber"

Q:FORM
T:

Please identify the survey form filled out by the respondent.

- 1 STRAIGHT LINE
- 2 FOUR CORNER-->SKIPTO FCORNER
- 3 DIAMOND-->SKIPTO DIAMOND

- 7 REFUSED-->SKIPTO ATTNTN1
- 8 DON'T KNOW-->SKIPTO ATTNTN1
- 9 NO ANSWER-->SKIPTO ATTNTN1

I:
key 1-3, 7-9
if (ans = 2) skipto FCORNER
if (ans = 3) skiptoDIAMOND
if (ans > 3) skipto ATTNTN1
QAL NOQAL
IF (ANS > 9) SKIPTO NOQAL

Q:STRLINE
T:

Q1. Please look at the flashing sign labeled number one (STRAIGHT LINE)on the back of the truck. Imagine that you are driving down the highway, and you see this flashing sign. What would you do (if you saw this flashing sign)?

DATA ENTRY NOTE: PLEASE DOUBLE CHECK TOP RIGHT CORNER FOR CORRECT SIGN

NOTE: ANSWER THIS ONLY FOR FLASHING SIGN NUMBER ONE (STRAIGHT LINE ONLY)

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

I:
opn 11 5 20 70
skipto ATTNTN1

Q:FCORNER

T:

Q1. Please look at the flashing sign labeled number two (FOUR CORNER)

on the back of the truck. Imagine that you are driving down the highway, and you see this flashing sign. What would you do (if you saw this flashing sign)?

DATA ENTRY NOTE: PLEASE DOUBLE CHECK TOP RIGHT CORNER FOR CORRECT SIGN

NOTE: ANSWER THIS ONLY FOR FLASHING SIGN NUMBER TWO (FOUR CORNER ONLY)

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

I:
opn 11 5 20 70
skipto ATTNTN1

Q:DIAMOND

T:

Q1. Please look at the flashing sign labeled number three (DIAMOND) on the back of the truck. Imagine that you are driving down the highway, and you see this flashing sign. What would you do (if you saw this flashing sign)?

DATA ENTRY NOTE: PLEASE DOUBLE CHECK TOP RIGHT CORNER FOR CORRECT SIGN

NOTE: ANSWER THIS ONLY FOR FLASHING SIGN NUMBER THREE (DIAMOND ONLY)

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

I:
opn 11 5 24 70

Q:ATTNTN1

T:

Q2. Now please look at all three flashing signs. Which one is most effective in getting your attention? Did the respondent answer STRAIGHT LINE?

1 YES
2 NO-->SKIPTO ATTNTN4

7 REFUSED-->SKIPTO ATTNTN4
8 NO ANSWER-->SKIPTO ATTNTN4
9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO SEEEASY

I:
key 1-2, 7-9
if (ans = 9) skipto SEEEASY
if (ans > 1) skipto ATTNTN4

Q:WHYATTNL

T:

Q2a. Why is the STRAIGHT LINE more effective?

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

INSTRUCTIONS: FOR ALL WHY QUESTIONS, IF BLANK,
PLEASE TYPE IN NA (NO ANSWER)

I:
opn 10 5 24 70

Q:ATTNTN4
T:

Q2. Now please look at all three flashing signs. Which one is most effective in getting your attention? Did the respondent answer FOUR CORNER?

1 YES
2 NO-->SKIPTO ATTNTND

7 REFUSED-->SKIPTO ATTNTND
8 NO ANSWER-->SKIPTO ATTNTND
9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO ATTNTND

I:
key 1-2, 7-9
if (ans >1) skipto ATTNTND

Q:WHYATTN4
T:

Q2b. Why is the FOUR CORNER more effective?

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

INSTRUCTIONS: FOR ALL WHY QUESTIONS, IF BLANK,
PLEASE TYPE IN NA (NO ANSWER)

I:
opn 10 5 24 70

Q:ATTNTND
T:

Q2. Now please look at all three flashing signs. Which one is most effective in getting your attention? Did the respondent answer FLASHING DIAMOND?

1 YES
2 NO-->SKIPTO SEEEEASY

7 REFUSED-->SKIPTO SEEEEASY
8 NO ANSWER -->SKIPTO SEEEEASY

9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO SEEEASY

I:

key 1-2, 7-9

if (ans > 1) skipto SEEEASY

Q:WHYATTND

T:

Q2c. Why is the flashing diamond more effective?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

INSTRUCTIONS: FOR ALL WHY QUESTIONS, IF BLANK,
PLEASE TYPE IN NA (NO ANSWER)

I:

opn 10 5 24 70

Q:SEEEASY

T:

Q3. Is one of the three flashing signs easier for you to see?

1 YES

2 NO-->SKIPTO CONFUSE

7 REFUSED-->SKIPTO CONFUSE

8 DON'T KNOW--> SKIPTO CONFUSE

9 NO ANSWER-->SKIPTO CONFUSE

I:

key 1-2,7-9

if (ans > 1) skipto CONFUSE

Q:SEELINE

T:

Q3a. Which one is easier to see? Did the respondent answer
STRAIGHT LINE?

1 YES

2 NO-->SKIPTO SEE4CORN

7 REFUSED-->SKIPTO SEE4CORN

8 NO ANSWER--> SKIPTO SEE4CORN

9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO SEE4CORN

I:

key 1-2, 7-9

if (ans > 1) skipto SEE4CORN

Q:WHYSELIN

T:

Q3b. Why is the STRAIGHT LINE easier to see?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 20 70

Q:SEE4CORN

T:

Q3a. Which one is easier for you to see? Did the respondent answer FOUR CORNER?

1 YES

2 NO-->SKIPTO SEEDIAMD

7 REFUSED-->SKIPTO SEEDIAMD

8 NO ANSWER--> SKIPTO SEEDIAMD

9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO SEEDIAMD

I:

key 1-2, 7-9

if (ans > 1) skipto SEEDIAMD

Q:WHYSE4CR

T:

Q3c. Why is the FOUR CORNER easier for you to see?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 24 70

Q:SEEDIAMD

T:

Q3a. Which one is easier for you to see? Did the respondent answer DIAMOND?

1 YES

2 NO-->SKIPTO CONFUSE

7 REFUSED-->SKIPTO CONFUSE

8 NO ANSWER-->SKIPTO CONFUSE

9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO CONFUSE

I:

key 1-2, 7-9

if (ans >1) skipto CONFUSE

Q:WHYSEDIM

T:

Q3d. Why is the DIAMOND easier for you to see?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 24 70

Q:CONFUSE

T:

Q4. Do any of these flashing signs confuse you about what action you should take?

1 YES

2 NO-->SKIPTO CHGLANES

7 REFUSED-->SKIPTO CHGLANES

8 DON'T KNOW--> SKIPTO CHGLANES

9 NO ANSWER-->SKIPTO CHGLANES

I:

key 1-2, 7-9

if (ans >1) skipto CHGLANES

Q:CONFUSE1

T:

Q4a. Is one (of the three flashing signs) more confusing to you than the others (about what action you should take)?

1 YES

2 NO, ALL ARE CONFUSING

7 REFUSED-->SKIPTO CHGLANES

8 DON'T KNOW--> SKIPTO CHGLANES

9 NO ANSWER-->SKIPTO CHGLANES

I:

key 1-2, 7-9

If (ans > 2) skipto CHGLANES

Q:LINECONF

T:

Q4b. Which one is most confusing?

Did the respondent say the STRAIGHT LINE was most confusing?

1 YES

2 NO-->SKIPTO FCRNCONF

7 REFUSED-->SKIPTO FCRNCONF

8 DON'T KNOW-->SKIPTO FCRNCONF

9 NO ANSWER-->SKIPTO FCRNCONF

I:

key 1-2, 7-9
if (ans >1) skipto FCRNCONF

Q:WHYLNCON
T:

Q4c. Why is the STRAIGHT LINE more confusing?

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

I:
opn 10 5 24 70

Q:FCRNCONF
T:

Q4b. Which one is most confusing?
Did the respondent say the FOUR CORNER was most confusing?

1 YES
2 NO-->SKIPTO DIAMCONF

7 REFUSED-->SKIPTO DIAMCONF
8 DON'T KNOW-->SKIPTO DIAMCONF
9 NO ANSWER-->SKIPTO DIAMCONF

I:
key 1-2, 7-9
if (ans >1) skipto DIAMCONF

Q:WHY4CCON
T:

Q4d. Why is the FOUR CORNER more confusing?

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

I:
opn 10 5 24 70

Q:DIAMCONF
T:

Q4b. Which one is most confusing? Did the respondent say the
DIAMOND was most confusing?

1 YES
2 NO-->SKIPTO CHGLANES

7 REFUSED-->SKIPTO CHGLANES
8 DON'T KNOW-->SKIPTO CHGLANES
9 NO ANSWER-->SKIPTO CHGLANES

I:

key 1-2, 7-9
if (ans > 1) skipto CHGLANES

Q:WHYDICON
T:

Why is the DIAMOND more confusing?

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

I:
opn 10 5 24 70

Q:CHGLANES
T:

Q5. Do any of these flashing signs suggest that you should change lanes?

- 1 YES
- 2 NO-->SKIPTO DRVRCHC1

- 7 REFUSED-->SKIPTO DRVRCH1
- 8 NO ANSWER-->SKIPTO DRVRCH1
- 9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO DRVRCH1

I:
key 1-2, 7-9
if (ans > 1) skipto DRVRCHC1

Q:LINCHGLN
T:

Q5a. Which one suggests that you should change lanes? Did the respondent answer STRAIGHT LINE?

- 1 YES
- 2 NO-->SKIPTO FCRNCHLN

- 7 REFUSED-->SKIPTO FCRNCHLN
- 8 NO ANSWER-->SKIPTO FCRNCHLN
- 9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO FCRNCHLN

I:
key 1-2, 7-9
if (ans > 1) skipto FCRNCHLN

Q:WHYLINCH
T:

Q5b. How does the STRAIGHT LINE suggest that you should change lanes?

OPEN-ENDED
PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 20 70

Q:FCRNCHLN

T:

Q5a. Which one suggests that you should change lanes?
Did the respondent answer FOUR CORNER?

1 YES

2 NO-->SKIPTO DIAMCHLN

7 REFUSED-->SKIPTO DIAMCHLN

8 NO ANSWER-->SKIPTO DIAMCHLN

9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO DIAMCHLN

I:

key 1-2, 7-9

if (ans > 1) skipto DIAMCHLN

Q:WHY4CNCH

T:

Q5c. How does the FOUR CORNER suggest that you should change lanes?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 24 70

Q:DIAMCHLN

T:

Q5a. Which one suggests that you should change lanes?
Did the respondent answer DIAMOND?

1 YES

2 NO-->SKIPTO DRVRCHC1

7 REFUSED-->SKIPTO DRVRCHC1

8 NO ANSWER-->SKIPTO DRVRCHC1

9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIPTO DRVRCHC1

I:

key 1-2, 7-9

if (ans > 1) skipto DRVRCHC1

Q:WHYDIMCH

T:

Q5d. How does the DIAMOND suggest that you should change lanes?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 24 70

Q:DRVRCHC1

T:

Q6. As a driver, which one flashing sign would you like to see used when work is taking place on Oregon highways?

1 STRAIGHT LINE

2 FOUR CORNER-->SKIP TO WHYCH4CR

3 DIAMOND-->SKIP TO WHYCHDIM

7 REFUSED-->SKIP TO HIGHCHOC

8 NO ANSWER-->SKIP TO HIGHCHOC

9 CAN'T CHOOSE, ANY IS FINE, DON'T KNOW-->SKIP TO HIGHCHOC

I:

key 1-3, 7-9

if (ans = 2) skipto WHYCH4CR

if (ans = 3) skipto WHYCHDIM

if (ans > 3) skipto HIGHCHOC

Q:WHYCHLIN

T:

Q6a. As a driver, why (would you like to see the STRAIGHT LINE used when work is taking place on Oregon highways)?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 24 70

skipto DRVRCHC2

Q:WHYCH4CR

T:

Q6b. As a driver, why (would you like to see the FOUR CORNER used when work is taking place on Oregon highways)?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 24 70

skipto DRVRCHC2

Q:WHYCHDIM

T:

Q6c. As a driver, why (would you like to see the DIAMOND used when work is taking place on Oregon highways)?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:

opn 10 5 24 70

Q:DRVRCHC2

T:

Q6d. As a driver, which one is your second choice (for a flashing sign that you would like to see used when work is taking place on Oregon highways)?

- 1 STRAIGHT LINE
- 2 FOUR CORNER
- 3 DIAMOND

- 7 REFUSED
- 8 DON'T KNOW
- 9 NO ANSWER

I:

key 1-3, 7-9

Q:HIGHCHOC

T:

Q7. If you were a state highway worker, which flashing sign would you like used when work is taking place on Oregon highways?

- 1 STRAIGHT LINE
- 2 FOUR CORNER
- 3 DIAMOND
- 4 ANY OF THE ABOVE
- 5 DON'T KNOW/CAN'T CHOOSE
- 6 OTHER (SPECIFY)

- 7 REFUSED
- 8 DON'T KNOW
- 9 NO ANSWER

I:

key 1-9

OTH 6 15 5 20 60

Q:YRSDRIVE

T:

Q8. For how many years have you been driving?

ENTER NUMBER OF YEARS

DATA ENTRY NOTE: 98 = NO ANSWER

I:

num 1 99 2 0 7 3

if (ans > 99) reask

Q:DRVJOB

T:

Q9. Do you drive as a regular part of your job?

INSTRUCTIONS: QUESTIONS 3 AND 4 HAVE BEEN COMBINED
IF R CHOSE CATEGORY 3 OR 4, CODE AS 3

1 NO

2 YES, PROFESSIONAL TRUCK DRIVER

3 YES, OTHER DRIVER (SPECIFY)

7 REFUSED

8 DON'T KNOW

9 NO ANSWER

I:

key 1-3, 7-9

OTH 3 15 5 20 60

Q:CLRBLIND

T:

Q10. Are you color blind?

1 YES

2 NO

7 REFUSED

8 DON'T KNOW

9 NO ANSWER

I:

key 1-2, 7-9

Q:CORLENS

T:

Q11. Do you wear corrective lenses (such as contact lenses
or prescription eyeglasses or have any other difficulties seeing)?

1 YES

2 NO

7 REFUSED

8 DON'T KNOW

9 NO ANSWER

I:

key 1-2, 7-9

Q:IMPROVE

T:

Q12. If there is one thing ODOT could change or improve to make you
feel safer in highway work zones, what would it be?

OPEN-ENDED

PLEASE TYPE EXACT RESPONSE BELOW

I:
opn 10 5 20 70

Q:AGEGRP
T:

Q13. Respondents approximate age group.

1 < 25 YEARS OLD
2 25 - 39 YEARS OLD
3 40 - 59 YEARS OLD
4 60 + YEARS OLD

7 REFUSED
8 DON'T KNOW
9 NO ANSWER

I:
key 1-4, 7-9

Q:SEX
T:

Q14. Respondents sex

1 MALE
2 FEMALE

7 REFUSED
8 DON'T KNOW
9 NO ANSWER

I:
key 1-2, 7-9

Q:INTOBS
T:

INTERVIEWER: ENTER YOUR OBSERVATIONS FOR THIS INTERVIEW (OPTIONAL)

I:
opn 10 10 20 70 m n
cpl
dispos = 26
endquest

Q:NOQAL
T:

Dummy qualify command loop-all respondents *should* be prequalified

I:
key
ctrlend