

SQL SELECT STATEMENT: **Sample Queries**

BASIC SELECTION

```
select * from qCulverts
```

ADD SPECIFIC FIELDS

```
select [Road Number], [Road Name], bmp  
from qGuardrails
```

ADD ANOTHER FIELD FOR CLARITY

```
select [Road Number], [Road Name], bmp, [side of road]  
from qGuardrails
```

NEW QUERY USING 'WHERE' CLAUSE

```
select [Road Number], [Road Name], bmp, emp, length, [jur code]  
from qRLShort  
where [Jur Code] = 5
```

ADD 'OR'

```
select [Road Number], [Road Name], bmp, emp, length, ADT, [jur code]  
from qRLShort  
where [jur code] = 7 or [adt] > 10000
```

ANOTHER WAY TO DO 'OR' -----> 'IN' (if same field) ADD 'AND'

```
select [Road Number], [Road Name], bmp, emp, length, ADT, [jur code]  
from qRLShort  
where [jur code] in (5,6,7,8) and adt < 500
```

ADD 'ORDER BY'

```
select [Road Number], [Road Name], bmp, emp, length, ADT, [jur code], FFC  
from qRLShort  
where [jur code] in (5, 6,7,8) and adt < 500  
order by [jur code] desc, ffc
```

USING 'LIKE' AND WILDCARD (%)

```
select [Road Number], [Road Name], bmp, emp, length, ADT, [jur code],FFC  
from qRLShort  
where [jur code] in (5,6,7,8) and adt < 500 and [road name] like '%3rd%'  
order by [jur code], ffc
```

USING BETWEEN

```
select [road number], [road name], bmp, emp, length, adt,  
      [jur code], ffc  
from qRLShort  
where [road number] between 15000 and 15725
```

BASIC SIGN HISTORY

```
select [road number], [road name], mp, [sign code], [legend], [date plate removed], [date post removed]
from qsignhistory
where [jur code]=5
order by [road number], [mp]
```

FIND TRUCK ROUTES

```
select [road number], [road name], [jur code], [ffc], [truck route class], [adt]
from qrlshort
where [truck route class]not like '%non%'
group by [jur code],[ffc], [adt], [road number], [road name], [truck route class]
```

WORKING WITH DATES IN SQL

```
select [accident #], [road number], [road name], [mp],
convert(varchar(10),date,101)
from qcrashes
order by date
```

Without century (yy)	With century (yyyy)	Standard	Input/Output**
-	0 or 100 (*)	Default	mon dd yyyy hh:miAM (or PM)
1	101	USA	mm/dd/yy
2	102	ANSI	yy.mm.dd
3	103	British/French	dd/mm/yy
4	104	German	dd.mm.yy
5	105	Italian	dd-mm-yy
6	106	-	dd mon yy
7	107	-	Mon dd, yy
8	108	-	hh:mm:ss